Depth	Matrix	<u></u> %	Redox Features	oc² Textur	Damania.
inches)	Color (moist)		Color (moist) % Type ¹ L		
0 - 8	5YR 5/8	100		Silt Loa	<u> </u>
-					
-					
_		<u> </u>			
					
-					
-					
	-				
vpe: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, MS=Masked Sand Grains	² Locatio	n: PL=Pore Lining, M=Matrix.
	Indicators:	,	·	Ir	ndicators for Problematic Hydric Soils ³ :
Histosol	I (A1)		Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLR	A 147, 148)	Coast Prairie Redox (A16)
	istic (A3)		Thin Dark Surface (S9) (MLRA 147,		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	,	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)	_	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)	_	Very Shallow Dark Surface (TF12)
	d Below Dark Surfa	ice (A11)	Depleted Dark Surface (F7)	_	Other (Explain in Remarks)
_ Thick D	ark Surface (A12)		Redox Depressions (F8)		
_ Sandy N	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR	: N,	
MLR	A 147, 148)		MLRA 136)		
_ Sandy 0	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 1	22)	³ Indicators of hydrophytic vegetation and
_ Sandy F	Redox (S5)		Piedmont Floodplain Soils (F19) (ML	.RA 148)	wetland hydrology must be present,
_ Stripped	d Matrix (S6)		Red Parent Material (F21) (MLRA 12	27, 147)	unless disturbed or problematic.
estrictive	Layer (if observed	l):			
Type: Ro	ock		<u></u>		
Depth (in	iches): 8+			Hydric	Soil Present? Yes No V
emarks:	,		_		
omanio.					

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-07-08
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-286
1/7 1/1/10	ion, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.79478033	
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
Are climatic / hydrologic conditions on the site typical for this time of year? $^{\backprime}$	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✔
Wetland Hydrology Present? Yes No 🗸	within a wetland:
Remarks:	
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	stiand flydrology, flydropflytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Oc	dor (C1) Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizosphe	
Water Marks (B1) Presence of Reduce	d Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	TAC-Neutral Test (D3)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames or	piants.		Sampling Point: DP-286
		Dominant		Dominance Test worksheet:
		Species?	<u>Status</u>	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5		-		That Are OBL, FACW, or FAC: 0.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		
50% of total cover:	20% of	total cover:		OBL species $0 \times 1 = 0$ FACW species $0 \times 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				
1				
2				. 45
3		-		
4				Column Totals: <u>95</u> (A) <u>358</u> (B)
5				Prevalence Index = B/A = 3.76
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9		-		3 - Prevalence Index is ≤3.0 ¹
	:	= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Lespedeza capitata	25		FACU	1 Toblematic Trydrophytic Vegetation (Explain)
2. Lespedeza cuneata	15		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Solidago altissima	12		FACU	be present, unless disturbed or problematic.
4. Dichanthelium clandestinum	10		FAC	Definitions of Four Vegetation Strata:
_{5.} Holcus lanatus	10		FAC	
6. Ambrosia artemisiifolia	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7. Solanum carolinense	5	-	FACU	height.
_{8.} Ulmus alata	5	-	FACU	Continue (Charalta Manda and Indiana in an Indiana
_{9.} Verbesina alternifolia	5		FAC	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.Daucus carota	3		UPL	m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	95	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.50	20% of	total cover:	19.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
23				Hydrophytic
2				Hydrophytic Vegetation
23				Hydrophytic Vegetation Present? Yes No
2	:	= Total Cov	 er	Vegetation

Profile Desc	ription: (Describe	to the depth	needed to docun	nent the ir	ndicator o	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox	K Features	;					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0 - 6	7.5YR 5/6	100					Silt Loam			
	-						-			
_										
								-		
		·						-		
_										
			-							-
-										
1- 0.0				 -			21 5			-
	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ins.	² Location: P			
Hydric Soil I										lydric Soils ³ :
Histosol			Dark Surface						A10) (MLRA	
	pipedon (A2)		Polyvalue Be				148) C		Redox (A16	5)
Black His			Thin Dark Su			47, 148)		(MLRA 14		
	n Sulfide (A4)		Loamy Gleye		- 2)		P		oodplain Soil	s (F19)
	I Layers (A5)		Depleted Mat					(MLRA 13		
	ck (A10) (LRR N)		Redox Dark S	•				•	Dark Surfac	, ,
	Below Dark Surfac	e (A11)	Depleted Dar				c	other (Expla	in in Remark	s)
	rk Surface (A12)		Redox Depre							
	lucky Mineral (S1) (I	_RR N,	Iron-Mangane		es (F12) (I	_RR N,				
	147, 148)		MLRA 130				2			
	leyed Matrix (S4)		Umbric Surfa							getation and
	edox (S5)		Piedmont Flo					-	logy must be	
	Matrix (S6)		Red Parent M	laterial (F2	21) (MLR	4 127, 147	') un	less disturb	ed or probler	natic.
	ayer (if observed):	:								
Type: Ro										
Depth (inc	ches): 6+						Hydric Soil	Present?	Yes	No <u> </u>
Remarks:										

Project/Site: Southeast Su	apply Enhancemer	nt Project City/C	ounty: Pittsylvania C	ounty g	Sampling Date: 2024-07-09			
Applicant/Owner: Transcont	tinental Gas Pipe Li	ne Company, LLC		State: Virginia	Sampling Point: DP-287			
Investigator(s):KZ, MM, LS		Section	on, Township, Range:					
Landform (hillslope, terrace, et								
Subregion (LRR or MLRA): P					Datum: WGS 84			
Soil Map Unit Name: 5C3 - C								
Are climatic / hydrologic condit	tions on the site typical	for this time of year? Y	es No	(If no, explain in Re	marks.)			
Are Vegetation, Soil	, or Hydrology	significantly distur	bed? Are "Normal	Circumstances" pre	esent? Yes 🖊 No			
Are Vegetation, Soil				explain any answers				
					important features, etc.			
Hydrophytic Vegetation Presi Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes _	No			
All three wetland p soils) were satisfied	_		rology, hydropl	nytic vegeta	tion, and hydric			
HYDROLOGY								
Wetland Hydrology Indicate	ors:			Secondary Indicate	ors (minimum of two required)			
Primary Indicators (minimum	of one is required; che	ck all that apply)		Surface Soil C	` '			
Surface Water (A1)		_ True Aquatic Plants (Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)		_ Hydrogen Sulfide Ode		Drainage Patterns (B10)				
Saturation (A3)								
Water Marks (B1) Sediment Deposits (B2)		Presence of Reduced Recent Iron Reduction		Dry-Season w	ater Table (C2)			
Sediment Deposits (B2) Drift Deposits (B3)		Thin Muck Surface (C			ble on Aerial Imagery (C9)			
Algal Mat or Crust (B4)		_ Other (Explain in Ren			essed Plants (D1)			
Iron Deposits (B5)	_			Geomorphic P				
Inundation Visible on Ae	rial Imagery (B7)			Shallow Aquita				
Water-Stained Leaves (E				Microtopograp				
Aquatic Fauna (B13)				FAC-Neutral T	est (D5)			
Field Observations:								
Surface Water Present?		Depth (inches):						
Water Table Present?		Depth (inches):						
Saturation Present?	Yes No	Depth (inches):	Wetland H	lydrology Present	? Yes <u>/</u> No			
(includes capillary fringe) Describe Recorded Data (stre	eam gauge, monitoring	well, aerial photos, pre	vious inspections), if ava	ilable:				
2000:100 : 1000: 404 2444 (01	cam gaage, memering	ron, donar priotos, pro	,,,,					
Remarks:								

EGETATION (Four Strata) – Use scientific n	ames of	piants.		Sampling Point: DP-287
20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: $\frac{2}{}$ (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov	 er	Total % Cover of: Multiply by:
50% of total cover:				OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r)		•		FACW species 30 x 2 = 60
1. Liquidambar styraciflua	3		FAC	FAC species 60 x 3 = 180
2				FACU species <u>5</u>
				UPL species $0 x 5 = 0$
3				Column Totals: 95 (A) 260 (B)
4				(7)
5				Prevalence Index = $B/A = 2.73$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
	3	= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 1.50	20% of	total cover:	0.60	
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	40	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Juncus effusus	30		FACW	
3. Panicum capillare	10		FAC	¹ Indicators of hydric soil and wetland hydrology must
4 Holcus lanatus	7		FAC	be present, unless disturbed or problematic.
5 Rubus argutus	5		FACU	Definitions of Four Vegetation Strata:
<u> </u>			17100	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	92	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 46.00	20% of	total cover:	18.40	Was divising. All was divising a greater than 2.00 ft in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				To grad
2				
3				
4				
				Hydrophytic
5				Vegetation Present? Yes ✓ No
500/ (1.1.)		= Total Cov		resent: res no
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree or woody vine strata were ob	served	l at this	data p	point.

SOIL Sampling Point: DP-287

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	n the absence	of indicators.)
Depth	Matrix	•		x Feature:				•
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 6/2	90	7.5YR 5/8	10	С	PL / M	Sandy Clay Loam	
4 - 18	10YR 6/2	70	7.5YR 5/8	10	С	PL / M	Sandy Clay Loam	
4 - 18			5GY 7/	20	D	М	Sandy Clay Loam	Secondary Redox feature
-								
-								
		·				·		
_	-	·						
		·				· ——		
		·				· ——		
1 _{T.,,,,,} , C=C,		lation DM	——————————————————————————————————————			-:	21 anation. DI	- Dans Lining M-Matrix
Hydric Soil		ietion, Rivi	=Reduced Matrix, MS	S=IVIasked	Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(97)				· · · · · · · · · · · · · · · · · · ·
	ipedon (A2)		Dark Surface Polyvalue Be		ca (S8) (N	M DA 147		cm Muck (A10) (MLRA 147) oast Prairie Redox (A16)
Black Hi			Thin Dark Su				0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			147, 140)	Þ	iedmont Floodplain Soils (F19)
	I Layers (A5)		✓ Depleted Ma		1 2)		'	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	. ,	.e)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	ρ (Δ11)	Depleted Dark					ther (Explain in Remarks)
	rk Surface (A12)	C (ATT)	Redox Depre					ther (Explain in Remarks)
	lucky Mineral (S1) (I	RR N	Iron-Mangan			I RR N		
	147, 148)	-1111 14,	MLRA 13		C3 (1 12) (,		
	leyed Matrix (S4)		Umbric Surfa		MLRA 13	6. 122)	³ Indi	icators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
-	Matrix (S6)		Red Parent N					ess disturbed or problematic.
	ayer (if observed):	:		(-	, (,	1	production
Type:	,							
Depth (inc	ches):						Hydric Soil	Present? Yes V No No
Remarks:							I	

Project/Site: Southeast Supply Enhancement Project City/C	county: Pittsylvania County Sampling Date: 2024-07-09
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-288
Investigator(s):KZ, MM, LS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local rel	
Subregion (LRR or MLRA): P 136 Lat: 36.75798537	
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
•	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	ppling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Listing Compiled Asses
Hydric Soil Present? Yes No 🗸	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No 🗸	within a Wetland:
Remarks:	
Only one (i.e., hydrophytic vegetation) of the ti	oree wetland parameters was satisfied at this
	noo wottana paramotoro wao oationoa at tino
data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od Hydrogen Sulfide Od	
Saturation (A3) Oxidized Rhizospher	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (0	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
	, ,
Remarks:	
No hydrology was observed at this data point.	
, , , , , , , , , , , , , , , , , , ,	

EGETATION (Four Strata) – Use scientific r	names of	plants.		Sampling Point: DP-288
20 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4	-			Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6			<u> </u>	Prevalence Index worksheet:
7			<u> </u>	Total % Cover of: Multiply by:
		= Total Cov		OBL species $0 \times 1 = 0$
50% of total cover:	20% of	total cover	:	FACW species 0 x 2 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 60 x 3 = 180
1,			·	FACU species 37
2				UPL species 0 x 5 = 0
3		-		07
4				Column Totals: <u>97</u> (A) <u>328</u> (B)
5			<u> </u>	Prevalence Index = B/A = 3.38
6		-	<u> </u>	Hydrophytic Vegetation Indicators:
7		-	<u> </u>	1 - Rapid Test for Hydrophytic Vegetation
8	_			✓ 2 - Dominance Test is >50%
9	_			3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover	<u> </u>	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	00		FA0	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Dichanthelium clandestinum	60		FAC	: ::::::::::::::::::::::::::::::
2. Solidago altissima	12		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Lolium perenne	10		FACU	be present, unless disturbed or problematic.
4. Lonicera japonica	10	-	FACU	Definitions of Four Vegetation Strata:
_{5.} Solanum carolinense	5		FACU	Tree Woody plants evaluding vince 2 in (7.6 cm) or
6	_			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 48.50	20% of	total cover	19.40	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1			<u> </u>	
2				
3				
4			<u> </u>	Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes No
50% of total cover:		total cover	:	
Remarks: (Include photo numbers here or on a separate	sheet.)			
No tree, sapling/shrub, or woody vin	Δ strata	were 4	nheary	ed at this data noint
to tree, supring/silius, or woody vill	o Juaia	. WEIE	SD3GI V	oa at tino aata point.

Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the in	ndicator	or confirm	the absence	of indicat	tors.)	
Depth	Matrix		Redox	Features	3					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	(S
0 - 18	7.5YR 5/8	100					Sandy Clay Loam			
					-			-		
								-		
-										
	-									
-										
	-									
¹ Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P			
Hydric Soil I	ndicators:						Indic	ators for F	Problematic	Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck	(A10) (MLR	A 147)
Histic Ep	pipedon (A2)		Polyvalue Bel	ow Surfac	ce (S8) (N	ILRA 147,	148) (Coast Prairi	ie Redox (A1	6)
Black His	stic (A3)		Thin Dark Su	face (S9)	(MLRA 1	47, 148)		(MLRA 1	47, 148)	
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (F	=2)		F	Piedmont F	loodplain So	ils (F19)
Stratified	l Layers (A5)		Depleted Mat	rix (F3)				(MLRA 1	36, 147)	
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	Surface (F	6)				w Dark Surfa	
	Below Dark Surfac	e (A11)	Depleted Dar				0	Other (Expl	ain in Remar	ks)
	rk Surface (A12)		Redox Depre							
	lucky Mineral (S1) (I	LRR N,	Iron-Mangane		es (F12) (LRR N,				
	\ 147, 148)		MLRA 136	•			2			
	leyed Matrix (S4)		Umbric Surfa							egetation and
	edox (S5)		Piedmont Flo						ology must b	
	Matrix (S6)		Red Parent M	laterial (F2	21) (MLR	A 127, 147	7) un	less distur	bed or proble	ematic.
Restrictive L	ayer (if observed)									
Туре:										
Depth (inc	ches):						Hydric Soil	Present?	Yes	No <u> </u>
Remarks:							L			

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-07-09
•	State: Virginia Sampling Point: DP-289
	on, Township, Range:
Landform (hillslope, terrace, etc.): Local reli	
Subregion (LRR or MLRA): P 136 Lat: 36.7573255	
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
Are climatic / hydrologic conditions on the site typical for this time of year? $$ Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No ✔	within a Wetland? Yes No
Remarks:	
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Ode	or (C1) Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reductio	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Ren	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	1 AO-Neutral Test (D3)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	
The fry droingy was observed at this data point.	

VEGETATION (Four Strata) – Use scientific names of plants.

	Dominant		
		Indicator	Dominance Test worksheet:
	Species?		Number of Dominant Species
			That Are OBL, FACW, or FAC: 1 (A)
			Total Number of Dominant
			Species Across All Strata: 3 (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 33.33 (A/B)
			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
_			OBL species $0 \times 1 = 0$
20% of 1	total cover:		FACW species 0 x 2 = 0
			FAC species 33 x 3 = 99
			FACU species 45 x 4 = 180
			UPL species 8 x 5 = 40
			00 210
			Column Totals: <u>80</u> (A) <u>319</u> (B)
			Prevalence Index = B/A = 3.70
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0 ¹
_			4 - Morphological Adaptations ¹ (Provide supporting
20% of t	total cover:		data in Remarks or on a separate sheet)
20		FACIL	Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
-			more in diameter at breast height (DBH), regardless of
<u>, </u>		FACU	height.
			Sapling/Shrub – Woody plants, excluding vines, less
			than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Herb – All herbaceous (non-woody) plants, regardless
			of size, and woody plants less than 3.28 ft tall.
20% of t	total cover:	17.20	Woody vine – All woody vines greater than 3.28 ft in
			height.
			Hydrophytic
			Vegetation No.
			Present? Yes No
-	total cover:		
et.)			
	= 20% of = 2	= Total Cover: = Total Cover: = Total Cover: 20% of total cover: 0 0 0 10 10 10 10 10 10 10	= Total Cover 20% of total cover: = Total Cover = Total Cover 20% of total cover: O

Depth	Matrix	%	Redox Features	c ² Texture	Damada
nches)	Color (moist)		Color (moist) % Type ¹ Lo		
0 - 10	7.5YR 5/8	100		Sandy Clay Loa	<u> </u>
-					
-					
-					
_					
	-	<u> </u>			
					_
-					
pe: C=C	oncentration D=De	pletion RM=I	Reduced Matrix, MS=Masked Sand Grains.	² Location:	PL=Pore Lining, M=Matrix.
	Indicators:	p.o.o.,	Todassa matin, me macioa sana siana	Ind	licators for Problematic Hydric Soils ³ :
Histosol			Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA	147. 148)	Coast Prairie Redox (A16)
	istic (A3)		Thin Dark Surface (S9) (MLRA 147, 1		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	,	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)
	d Below Dark Surfa	ce (A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)
	ark Surface (A12)	` ,	Redox Depressions (F8)		,
	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR	N,	
	A 147, 148)	•	MLRA 136)	•	
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 12	2) 3 _I	Indicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLF		wetland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLRA 12)		unless disturbed or problematic.
estrictive	Layer (if observed):			
Type: Ro	ock				
				Hydric S	oil Present? Yes No 🗸
Depth (in	ches). IU+			,	
	ches): 10+				
Depth (inemarks:	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
Depth (in	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				
	ches): 10+				

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-07-09						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-290						
Investigator(s): KZ, MM, LS Section, Township, Range: N/A							
Landform (hillslope, terrace, etc.): Hillslope Local re							
Subregion (LRR or MLRA): P 136 Lat: 36.82332627							
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent s	lopes, frequently flooded NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	res No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturbed.	rbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No Remarks:	Is the Sampled Area within a Wetland? Yes No						
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants High Water Table (A2) Hydrogen Sulfide Oc							
	res on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduce							
Sediment Deposits (B2) Recent Iron Reduction							
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
No hydrology was observed at this data point.							

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific r	names of	plants.		Sampling Point: DP-290
	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30 ft r</u>)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3		· -	· ——	Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 50.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
F00/ -f1-1-1		= Total Cov		OBL species $0 \times 1 = 0$
50% of total cover:	20% of	total cover	·	FACW species $0 \times 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 35 x 3 = 105
1				FACU species 50 x 4 = 200
2				UPL species 0 x 5 = 0
3				
4				Column Totals: <u>85</u> (A) <u>305</u> (B)
5		· -	·	Prevalence Index = B/A = 3.58
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9	_			3 - Prevalence Index is ≤3.0 ¹
		= Total Cov	/er	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover:	20% of	total cover	:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
1. Dichanthelium clandestinum	30		FAC	1 Toblematic Hydrophytic Vegetation (Explain)
2 _. Solidago altissima	30		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Rubus argutus	10		FACU	be present, unless disturbed or problematic.
4. Sorghum halepense	_ 10		FACU	Definitions of Four Vegetation Strata:
_{5.} Toxicodendron radicans	5		FAC	
6	_			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>42.50</u>	20% of	total cover	17.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1	_			
2	_			
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	/er	Present? Yes No
50% of total cover:	20% of	total cover	:	
Remarks: (Include photo numbers here or on a separate	sheet.)			
No tree, sapling/shrub, or woody vin	e strata	were (observ	ed at this data point.

SOIL							Sampling P	oint: DP-290
Profile Desc	cription: (Describe	to the dept	h needed to docum	nent the indica	ator or confirm	n the absence of in	ndicators.)	
Depth	Matrix			x Features	1 . 2			
(inches)	Color (moist)		Color (moist)	<u>%</u> Tyr	pe ¹ Loc ²	<u>Texture</u>	Remarks	
0 - 18	10YR 5/4	100				Sandy Loam		
-								
-								_
	_							
		pletion, RM=	Reduced Matrix, MS	3=Masked San	d Grains.		ore Lining, M=Matrix	
Hydric Soil							s for Problematic H	-
Histosol			Dark Surface		0) (111 5 4 4 4 5		Muck (A10) (MLRA	
	pipedon (A2) istic (A3)		Polyvalue Bel Thin Dark Sur				t Prairie Redox (A16 L RA 147, 148))
	en Sulfide (A4)		Loamy Gleye		NA 141, 140)	•	nont Floodplain Soils	s (F19)
	d Layers (A5)		Depleted Mat	, ,			LRA 136, 147)	(
	uck (A10) (LRR N)		Redox Dark S				Shallow Dark Surfac	
	d Below Dark Surfa	ce (A11)		k Surface (F7)		Other	(Explain in Remarks	s)
	ark Surface (A12) //ucky Mineral (S1) ((I RR N	Redox Depres	ese Masses (F	12) (I RR N			
	A 147, 148)	, _ ,	MLRA 136		12) (LIXIX IV,			
	Gleyed Matrix (S4)		Umbric Surfac		A 136, 122)	³ Indicato	ors of hydrophytic ve	getation and
Sandy F			Piedmont Floo				d hydrology must be	
	Matrix (S6)		Red Parent M	/laterial (F21) (I	MLRA 127, 147	7) unless	disturbed or problen	natic.
	Layer (if observed)							
, , —	ahaa):					Hydric Soil Pres	sent? Yes	No 🗸
	ches):					nyaric Soil Pres	sent? res	NO
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2024-07-09
	State: Virginia Sampling Point: DP-291
Investigator(s):KZ, MM, LS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local relie	
Subregion (LRR or MLRA): P 136 Lat: 36.57168877	Long: -79.60274788 Datum: WGS 84
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce	ent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	itic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	Is the Sampled Area within a Wetland? Yes No
Only one (i.e., hydrophytic vegetation) of the th data point.	ree wetland parameters was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (I	B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odd	or (C1) Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizosphere	es on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced	I Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction	n in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rem	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

EGETATION (Four Strata) – Use scientific	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r	% Cover			
	70 00101	<u>- Operior :</u>	<u> </u>	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
		<u> </u>		
				Total Number of Dominant Species Across All Strata: 3 (B)
				Species Across Air Strata.
		-		Percent of Dominant Species
		-		That Are OBL, FACW, or FAC: 66.66 (A/B)
i				Prevalence Index worksheet:
•				
	=	= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover	: <u></u>	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{15}{20}$ $\times 2 = \frac{30}{20}$
				FAC species 20 x 3 = 60
				FACU species <u>40</u> x 4 = <u>160</u>
B <u> </u>				UPL species 0 x 5 = 0
·		-		Column Totals: <u>75</u> (A) <u>250</u> (B)
5				
5				Prevalence Index = B/A = 3.33
7				Hydrophytic Vegetation Indicators:
3				1 - Rapid Test for Hydrophytic Vegetation
)				✓ 2 - Dominance Test is >50%
·		= Total Co		3 - Prevalence Index is ≤3.0¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 70 01	10101 00101	-	data in Remarks or on a separate sheet)
1 Juncus tenuis	20	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Lespedeza cuneata	20		FACU	
Bidens frondosa	15		FACW	¹ Indicators of hydric soil and wetland hydrology must
			FACU	be present, unless disturbed or problematic.
Solidago altissima	_ 10	-		Definitions of Four Vegetation Strata:
Sorghum halepense	_ 10		FACU	The Manda plants avaluating vince 2 in (7.0 cm) or
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
3				
).				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11		-		
	7-	= Total Co		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 37.5				or oze, and woody planto look than 6.25 it tall.
Noody Vine Stratum (Plot size: 30 ft r)	20 70 01	10101 00101	-	Woody vine – All woody vines greater than 3.28 ft in
				height.
l				
2				
3				
l				Hydrophytic
5				Vegetation
	:	= Total Co	ver	Present? Yes No
50% of total cover:	20% of	total cover	: <u></u>	
Remarks: (Include photo numbers here or on a separate	sheet.)			
lo tree, sapling/shrub, or woody vir	•			

SOIL Sampling Point: DP-291

Profile Desc	cription: (Describe	to the dep	th needed to docum	nent the i	ndicator	or confirm	the abs	ence of indicat	ors.)	
Depth	Matrix			x Feature:						
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	Textu	ire	Remarks	
0 - 3	10YR 5/4	100					Sandy L	oam		
							-			
-										
_										_
	-						-			_
							-			
_										
										
¹ Type: C=C	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.	² Locatio	on: PL=Pore Lin	ing, M=Matrix	ζ.
Hydric Soil							ı	Indicators for P	roblematic H	lydric Soils³:
Histosol	(A1)		Dark Surface	(S7)				2 cm Muck ((A10) (MLRA	147)
	oipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147,	148)	Coast Prairi		
	stic (A3)		Thin Dark Su					(MLRA 1	,	
	en Sulfide (A4)		Loamy Gleye			•	_		oodplain Soils	s (F19)
Stratified	d Layers (A5)		Depleted Ma	trix (F3)				(MLRA 1	36, 147)	
2 cm Mu	ıck (A10) (LRR N)		Redox Dark S	Surface (F	6)		_	Very Shallov	w Dark Surfac	e (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar				_	Other (Expla	ain in Remark	s)
	ark Surface (A12)		Redox Depre							
-	lucky Mineral (S1) (L	RR N,	Iron-Mangan		es (F12) (I	LRR N,				
	A 147, 148)		MLRA 13					2		
	Sleyed Matrix (S4)		Umbric Surfa					³ Indicators of h		-
-	Redox (S5)		Piedmont Flo					wetland hydro		
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR .	A 127, 147	7)	unless disturb	ped or probler	natic.
	Layer (if observed):									
Type: Ro			<u> </u>							
Depth (in	ches): 3+						Hydric	Soil Present?	Yes	No <u> </u>
Remarks:							_1			

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-07-09
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-292
Investigator(s):KZ, MM, LS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local reli	
Subregion (LRR or MLRA): P 136 Lat: 36.57370759	
Soil Map Unit Name: 23D - Clover fine sandy loam, 15 to 25 per	cent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No V No V	Is the Sampled Area within a Wetland? Yes No
Remarks:	
Only one (i.e., hydrophytic vegetation) of the tl data point. HYDROLOGY	nee wetiand parameters was satisfied at tills
	Consolination (minimum of two provinced)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:
	vious inspessions), il available.
Remarks:	
No hydrology was observed at this data point.	

VEGETATIO

EGETATION (Four Strata) – Use scientific n		-	ladiaataa	Sampling Point: DP-292 Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r	Absolute % Cover	Dominant Species?		
Carpinus caroliniana	50		FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 7 (A)
Quercus alba	20		FACU	
Cornus florida	5		FACU	Total Number of Dominant Species Across All Strata: 9 (B)
	-			Species Across Air Strata.
	-			Percent of Dominant Species That Are OBL FACW or FAC: 77.77 (A/B)
				That Are OBL, FACW, or FAC: //.// (A/B)
				Prevalence Index worksheet:
	75	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 37.50				OBL species $0 x 1 = 0$
apling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total cover.		FACW species $0 \times 2 = 0$
Carpinus caroliniana	10	✓	FAC	FAC species 95 x 3 = 285
Liquidambar styraciflua	10		FAC	FACU species 30
Cornus florida	5	·	FACU	UPL species 0 $x = 0$
		·		Column Totals: 125 (A) 405 (B)
				Prevalence Index = $B/A = 3.24$
				Hydrophytic Vegetation Indicators:
·				1 - Rapid Test for Hydrophytic Vegetation
-				✓ 2 - Dominance Test is >50%
	25			3 - Prevalence Index is ≤3.0 ¹
500/ aftatal access 12.50		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 12.50	20% of	total cover:	3.00	data in Remarks or on a separate sheet)
erb Stratum (Plot size: 5 ft r Microstegium vimineum	10	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
	5		FAC	
Amphicarpaea bracteata	5		FAC	¹ Indicators of hydric soil and wetland hydrology must
Dichanthelium clandestinum	5	·	FAC	be present, unless disturbed or problematic.
Liquidambar styraciflua	<u> </u>		<u>FAC</u>	Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
		. <u></u>		height.
				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1
)				m) tall.
				Herb – All herbaceous (non-woody) plants, regardless
	25	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 12.50	20% of	total cover:	5.00	Weedy vine All woody vines greater than 2.20 ft in
oody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
				1
				Hydrophytic Vegetation
		= Total Cov		Present? Yes V No No
50% of total cover:				
30 /0 OI (O(a) GOVGI.	20 /0 01	.J.u. COVCI.		

Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the i	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox	Features	3					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	S
0 - 6	10YR 6/4	100					Silt Loam			
_										
	-				-					
										
					ī					
_										
	-				-					
-										
		-								
	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P			
Hydric Soil I	ndicators:						Indica	ators for P	roblematic	Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLR	\ 147)
Histic Ep	pipedon (A2)		Polyvalue Be	ow Surfac	ce (S8) (N	ILRA 147,	148) C	oast Prairie	e Redox (A1	6)
Black Hi			Thin Dark Su			47, 148)		(MLRA 14		
	n Sulfide (A4)		Loamy Gleye		F2)		P	iedmont Fl	oodplain Soi	ils (F19)
	l Layers (A5)		Depleted Mat					(MLRA 13		
	ck (A10) (LRR N)		Redox Dark S	•					v Dark Surfa	
	Below Dark Surfac	e (A11)	Depleted Dar				c	ther (Expla	in in Remar	ks)
	ark Surface (A12)		Redox Depre							
	lucky Mineral (S1) (I	LRR N,	Iron-Mangane		es (F12) (LRR N,				
	147, 148)		MLRA 136				3,			
	Bleyed Matrix (S4)		Umbric Surfa							egetation and
	ledox (S5)		Piedmont Flo					-	ology must b	
	Matrix (S6)		Red Parent M	lateriai (F.	21) (WLK	A 127, 147	y un	iess disturc	ed or proble	ematic.
	_ayer (if observed):									
Type: Ro										
Depth (inc	ches): 6+						Hydric Soil	Present?	Yes	No <u>/</u>
Remarks:										

Project/Site: Southeast Supply Enhancement Project City/Cou	unty: Pittsylvania County Sampling Date: 2024-07-09
	State: Virginia Sampling Point: DP-293
Investigator(s):KZ, MM, LS Section	, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local relief	
Subregion (LRR or MLRA): P 136 Lat: 36.57608783	Long:79.59823866 Datum: WGS 84
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent	slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed	d? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problemati	c? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing samp	oling point locations, transects, important features, etc.
Ludria Cail Dragant?	s the Sampled Area within a Wetland? Yes No
Remarks:	
Only one (i.e., hydrophytic vegetation) of the thi	ee wetland parameters was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B ²	
High Water Table (A2) Hydrogen Sulfide Odor	
Saturation (A3) Oxidized Rhizospheres	
Water Marks (B1) Presence of Reduced II	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C7	
Algal Mat or Crust (B4) Other (Explain in Rema	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	17/6 Notitul 168((D0)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	ous inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

,		plants.		Sampling Point: DP-293
Tree Charture (Diet sine, 30 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: $\underline{2}$ (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 66.66 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
EOO/ of total covery		= Total Cov		OBL species 0 x 1 = 0
50% of total cover: Sapling/Shrub Stratum (Plot size: 15 ft r)	20% 01	total cover.		FACW species 55 x 2 = 110
				FAC species 20 x 3 = 60
1				FACU species 38 x 4 = 152
2				UPL species 3 x 5 = 15
3				Column Totals: 116 (A) 337 (B)
4				
5				Prevalence Index = B/A = 2.90
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
50% of total cover:		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20% 01	lotal cover.		data in Remarks or on a separate sheet)
1. Juncus effusus	45	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dactylis glomerata	20		FACU	
2. Dichanthelium clandestinum	20		FAC	¹ Indicators of hydric soil and wetland hydrology must
Bidens frondosa	10		FACW	be present, unless disturbed or problematic.
5. Lespedeza cuneata	10		FACU	Definitions of Four Vegetation Strata:
6. Apocynum androsaemifolium	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Daucus carota	3		UPL	more in diameter at breast height (DBH), regardless of
Solanum carolinense	3		FACU	height.
·				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				
11	116	T-4-1 0		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 58.00		= Total Cover:		of size, and woody plants less than 5.26 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
				height.
1 2				
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
50% of total cover:		= Total Cover:		1.000
Remarks: (Include photo numbers here or on a separate si		total cover.		
Remarks. (include photo numbers here or on a separate si	neet.)			
No tree, sapling/shrub, or woody vine	e strata	were c	bserv	ed at this data point.
-				-

O-6 10YR 5/3 100 Silt Loam Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: Rock Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: Rock Type: C=Concentration, D=Depletion RM=Reduced Matrix, MS=Masked Sand Grains. Sitipod Matrix (S4) Type: Rock Type: R	Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	Depth	Matrix Color (moist)	<u></u> %	Redox Features Color (moist) % Type ¹	Loc ² Tex	dura.	Domorko	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Thire is a concentration of the concentr				Color (moist) % Type ¹			Remarks	
Histosol (A1)	Indicators for Problematic Hydric Histosol (A1)	0-6	1018 5/3	_ 100 _		Silt i	_0am		
Histosol (A1)	Indicators for Problematic Hydric Histosol (A1)	-							
Histosol (A1)	Histosol (A1)	-							
Histosol (A1)	Histosol (A1)	_							
Histosol (A1)	Histosol (A1)		-						
Histosol (A1)	Indicators for Problematic Hydric Histosol (A1)								
Histosol (A1)	Indicators for Problematic Hydric Histosol (A1) Histic Epipedon (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Berk Histic (A3) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F3) MLRA 136, 147) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Very Shallow Dark Surface (TF Other (Explain in Remarks) Hydric Soil Present? Yes Negeric Rock Depth (inches): 6+ Hydric Soil Present? Yes Negeric Rock Nuck Surface (S7) Loant GNLRA 147, 148 Loanty Gleyed Matrix (S4) Dark Surface (F5) Depleted Matrix (F2) Depleted Matrix (F2) Loanty Gleyed Matrix (S6) Depleted Matrix (S6) Depleted Dark Surface (F13) (MLRA 136, 122) January Gleyed Matrix (S4) January Gleyed Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface	-							
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Histosol (A1)	Indicators for Problematic Hydric Histosol (A1) Histic Epipedon (A2) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Berk Histic (A3) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F3) MLRA 136, 147) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Very Shallow Dark Surface (TF Other (Explain in Remarks) Hydric Soil Present? Yes Negeric Rock Depth (inches): 6+ Hydric Soil Present? Yes Negeric Rock Nuck Surface (S7) Loant GNLRA 147, 148 Loanty Gleyed Matrix (S4) Dark Surface (F5) Depleted Matrix (F2) Depleted Matrix (F2) Loanty Gleyed Matrix (S6) Depleted Matrix (S6) Depleted Dark Surface (F13) (MLRA 136, 122) January Gleyed Matrix (S4) January Gleyed Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes Negeric Matrix (S6) Depth (inches): 6+ Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface (S9) (MLRA 147, 148) Depth (inches): 6+ Dark Surface								
Histosol (A1)	Indicators for Problematic Hydric Histosol (A1)								
Histosol (A1)	ydric Soil Indicators: Histosol (A1) Dark Surface (S7) Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Demic Gereat Matrix (S4) Sandy Redox (S5) Demic Gereat Matrix (S6) Sandy Redox (S5) Red Parent Material (F21) (MLRA 136, 122) Setrictive Layer (if observed): Type: Rock Depth (inches): 6+ Mick A136 Dark Surface (S7) Depleted Selow Surface (S9) (MLRA 147, 148) Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Piedmont Floodplain Soils (F19) (MLRA 136, 122) All Carlot Mucky Mineral (S1) (LRR N, MLRA 136) MICRA 136, 147) Werland Nydrology must be present waterial (F21) (MLRA 127, 147) Depleted Soil Present? Yes Negerals.								
Histosol (A1)	Indicators for Problematic Hydric Histosol (A1)								
Histosol (A1)	Indicators for Problematic Hydric Histosol (A1)	ype: C=C	oncentration, D=De	pletion, RM=R	Reduced Matrix, MS=Masked Sand Grain	s. ² Loca	ition: PL=Pore L	ining, M=Matrix.	
Histic Epipedon (A2)	Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F2) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19 (MLRA 136, 147) Very Shallow Dark Surface (TF Other (Explain in Remarks) MLRA 136, Umbric Surface (F12) (LRR N, MLRA 136, 122) Setrictive Layer (if observed): Type: Rock Depth (inches): 6+ marks: Polyvalue Below Surface (S9) (MLRA 147, 148) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 147, 148) Umbric Surface (F13) (MLRA 148) Red Parent Material (F21) (MLRA 147, 147) Umbric Soil Present? Yes Normarks:			· · ·	·				Soils ³
Histic Epipedon (A2)	Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Strictive Layer (if observed): Type: Rock Depth (inches): 6+ Hydric Soil Present? Yes Notes (A16) Indicators Of Paiedox (A16) (MLRA 147, 148) (MLRA 147, 148) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 147, 148) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) (MLRA 136, 147) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be present unless disturbed or problematic. Notes Prairie Redox (A16) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be present unless disturbed or problematic. Notes Prairie Redox (A16) (MLRA 147, 148) Piedmont Floodplain Soils (F19) (MLRA 136, 122) Sandy Mucky Mineral (S1) (LRR N, MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be present unless disturbed or problematic. Piedmont Floodplain Soils (F21) (MLRA 127, 147)	Histosol	(A1)		Dark Surface (S7)				
Black Histic (A3)	Black Histic (A3)					RA 147. 148)			
Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) MLRA 136, 147) Permarks: Piedmont Floodplain Soils (F19) MLRA 136, 147) Piedmont Floodplain Soils (F19) MLRA 136, 147) Piedmont Floodplain Soils (F19) MLRA 136, 147) Wery Shallow Dark Surface (TF12) Other (Explain in Remarks) Pother (Explain in Remarks) Other (Explain in Remarks) Pother (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Other (Explain in Remarks) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 127, 147) Pother (Explain in Remarks) Iron-Manganese Masses (F12) (LRR N, MLRA 136, 122) Iron-Manganese Masses (F12) (LRR N, MLRA 136, 122) Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Pother (Explain in Remarks) Iron-Manganese Masses (F12) (LRR N, MLRA 136, 122) Iron-Manganese Masses (F12) (MLRA 136, 122) Iron-Mangan	Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Muck (A10) (LRR N) Peleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 136) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Stripped Matrix (S6) Extrictive Layer (if observed): Type: Rock Depth (inches): 6+ Loamy Gleyed Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F3) MLRA 136, Set and Matrix (F3) Medox Dark Surface (F6) Depleted Dark Surface (F6) Depleted Dark Surface (F7) Depleted Matrix (F2) Medox Dark Surface (F7) Depleted Matrix (F3) Medox Dark Surface (F7) Depleted Matrix (F3) Medox Dark Surface (F7) Depleted Matrix (F3) Medox Depressions (F8) Lron-Manganese Masses (F12) (LRR N, MLRA 136, 122) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 148) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Redox Dark Surface (F7) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Redox Dark Surface (F7) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Medicators of hydrophytic vegetati wetland hydrology must be presequine solistic (F21) (MLRA 127, 147) Medicators of hydrophytic vegetati wetland hydrology must be pres								
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Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Stripped Matrix (S6) Strippe: Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 136, 122) Jumbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Stripped Matrix (S6) Stripped Ma	Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Stripped Matrix (S6) Stripped Matrix (S6) Strippes: Red Parent Material (F21) (MLRA 127, 147) Depleted Dark Surface (F7) Setrictive Layer (if observed): Type: Rock Depth (inches): 6+ Depth definition of the present of the pr						•		2)
				ce (A11)				•	,
MLRA 147, 148) _ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5) _ Stripped Matrix (S6) _ Type: Rock Depth (inches): 6+ MLRA 136, 122) MLRA 136, 122) MLRA 148) Wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No	MLRA 147, 148) _ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Hydric Soil Present? Yes Note that the parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Stripped Matrix (S6) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Stripped Matrix (S6) _ Stripped Matrix (S6) _ Red Parent Material (F21) (MLRA 127, 147) _ Stripped Matrix (S6) _ Stripped	_ Thick D	ark Surface (A12)		Redox Depressions (F8)				
Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122)	Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122)	_ Sandy N	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LR	R N,			
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, unless disturbed or problematic. Estrictive Layer (if observed): Type: Rock Depth (inches): 6+ memarks: Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No	Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. Estrictive Layer (if observed):	MLR	A 147, 148)		MLRA 136)				
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. estrictive Layer (if observed):	Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. estrictive Layer (if observed): Type: Rock Depth (inches): 6+ Hydric Soil Present? Yes Negerarks:	_ Sandy 0	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136,	122)	³ Indicators of	hydrophytic vegetation	n and
estrictive Layer (if observed): Type: Rock Depth (inches): 6+ emarks: Hydric Soil Present? Yes No	estrictive Layer (if observed): Type: Rock Depth (inches): 6+ emarks: Hydric Soil Present? Yes Negenaries	_ Sandy F	Redox (S5)		Piedmont Floodplain Soils (F19) (M	ILRA 148)	wetland hyd	rology must be presen	nt,
Type: Rock Depth (inches): 6+ emarks: Hydric Soil Present? Yes No	Type: Rock Depth (inches): 6+ Hydric Soil Present? Yes Notes	_ Stripped	d Matrix (S6)		Red Parent Material (F21) (MLRA 1	127, 147)	unless distu	rbed or problematic.	
Depth (inches): 6+ Hydric Soil Present? Yes No very demarks:	Depth (inches): 6+ Hydric Soil Present? Yes Nemarks:):					
emarks:	emarks:	Type: Ro	ock		<u></u>				
emarks:	emarks:	Depth (in	ches): 6+			Hyd	ric Soil Present	? Yes No	•
			,						
						•			

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-07-09					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-294						
Investigator(s):KZ, MM, LS Section, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local reli						
Subregion (LRR or MLRA): P 136 Lat: 36.57751814						
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce						
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Yes No 🗸						
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V	Is the Sampled Area					
Wetland Hydrology Present?	within a Wetland? Yes No					
Remarks:						
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)						
Saturation (A3) Oxidized Rhizosphere	es on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduced	d Iron (C4) Dry-Season Water Table (C2)					
Sediment Deposits (B2) Recent Iron Reductio	n in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Ren						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						
No hydrology was observed at this data point						
No hydrology was observed at this data point.						

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-294
		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				Openies Auross Air Otrata.
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)
6				That Are OBL, FACW, or FAC: 50.00 (A/B)
7		-		Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r	_			FACW species <u>33</u> x 2 = <u>66</u>
1				FAC species 10 x 3 = 30
2				FACU species 18 x 4 = 72
3				UPL species <u>5</u>
4				Column Totals: <u>66</u> (A) <u>193</u> (B)
5				Prevalence Index = B/A = 2.92
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				2 - Dominance Test is >50%
		= Total Cov	er	3 - Prevalence Index is ≤3.0¹
50% of total cover:	20% of	total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Bidens frondosa	25		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Lespedeza cuneata	15		FACU	4
3. Solidago gigantea	8		FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Daucus carota	5		UPL	Definitions of Four Vegetation Strata:
5. Panicum capillare	5		FAC	Deminitions of Four Vegetation Strata.
6. Verbesina alternifolia	5		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Solanum carolinense	3		FACU	more in diameter at breast height (DBH), regardless of height.
8.				
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	66	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>33.00</u>	20% of	total cover:	13.20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				-
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
Remarks: (Include photo numbers here or on a separate si		were (bserv	ed at this data point.

Profile Desc	ription: (Describe	to the dep	th needed to docum	ent the ir	ndicator	or confirm	the absence	of indicat	ors.)	
Depth	Matrix		Redox	Features		-				
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u></u> %	Type ¹	Loc ²	Texture		Remark	(S
0 - 18	10YR 5/6	100					Sandy Loam			
-										
	•									
								-		
					-					
					-					
-										
		<u> </u>								
								-		
					-					
		_								
1Typo: C=C	ncontration D=Dor	olotion DM-	Reduced Matrix, MS	-Mackad	Sand Gr	nine	² Location: P	I - Poro Lin	ning M-Mat	riv
Hydric Soil I		Dietion, Rivi-	Reduced Matrix, MS	-iviaskeu	Sand Gra	airis.				Hydric Soils ³ :
Histosol			Dark Surface	(87)					(A10) (MLR	-
	oipedon (A2)		Polyvalue Bel	. ,	- (S8) (N	II DA 147			e Redox (A1	
Black His			Thin Dark Su				146) C	MLRA 1		10)
						47, 140)	Б			ilo (E10)
	n Sulfide (A4)		Loamy Gleye		-2)		<u> </u>		loodplain So	olis (F 19)
	Layers (A5)		Depleted Mat		2)			(MLRA 1:		(TE40)
	ck (A10) (LRR N)	- (0.4.4)	Redox Dark S	•	•				w Dark Surfa	
	Below Dark Surfac	e (ATT)	Depleted Dar					πer (Expia	ain in Remai	rks)
	ark Surface (A12)		Redox Depre							
	lucky Mineral (S1) (LRK N,	Iron-Mangane		s (F12) (LRR N,				
	147, 148)		MLRA 136				3,			
	leyed Matrix (S4)		Umbric Surfa							vegetation and
-	edox (S5)		Piedmont Flo					-	ology must b	
	Matrix (S6)		Red Parent M	laterial (F2	21) (MLR	A 127, 147	7) un	less disturb	bed or proble	ematic.
Restrictive L	ayer (if observed)	:								
Туре:										_
Depth (inc	ches):						Hydric Soil	Present?	Yes	No <u>′</u>
Remarks:							•			

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-07-09
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	
Investigator(s):KZ, MM, LS	tion, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.8184909	Long: -79.35254107 Datum: WGS 84
Soil Map Unit Name: 9B - Lackstown fine sandy loam, 2 to 7 pe	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problen	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No ✓	Within a Wetland:
Remarks:	-1
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Seturation (A2) Hydrogen Sulfide O	
Saturation (A3) Oxidized Rhizosphe Water Marks (B1) Presence of Reduce	
	ion in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No_ ✓
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:
Remarks:	
No hydrology was observed at this data point	•

VEGETATION (Four Strata) – Use scientific names of plants

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-295
20 #		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0.00 (A/B)
6				Prevalence Index worksheet:
7				
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{0}{5}$ $x = \frac{0}{15}$
1				FAC species $\frac{5}{70}$ $\times 3 = \frac{15}{380}$
2				FACU species $\frac{70}{2}$ $x 4 = \frac{280}{2}$
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>75</u> (A) <u>295</u> (B)
5				Prevalence Index = B/A = 3.93
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				2 - Dominance Test is >50%
		= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Digitaria sanguinalis	70	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Rumex crispus	5		FAC	
3				¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Four Vegetation Strata:
6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
-				more in diameter at breast height (DBH), regardless of
/				height.
8 9.				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				m) wii.
11	75	T 1 1 0		Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 37.50		= Total Cover:		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover.	10.00	Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
F00/ - \$4-4-1		= Total Cov		Tresent: TesNO
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	neet.)			
No tree, sapling/shrub, or woody vine	e strata	were o	bserv	ed at this data point.

hes) Color (moist) % Color (moist) % Type¹ Loc² Texture Remarks 0 - 4 10YR 3/3 100 Sandy Loam 4 - 18 2.5Y 6/3 90 7.5YR 5/8 8 C M Sandy Loam	OIL									ng Point: DP-2
Description Second Second Second Secondary	rofile Des	cription: (Descri	be to the de	-			r or confir	m the absence	of indicators.)	
1-18	epth						. 2	- .	-	
1-18	nches)			Color (moist)	%	<u> Type</u>	Loc		Ren	narks
10YR 3/3 2 C M Sandy Loam Secondary Redox feature Second				_				Sandy Loam		
- C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. - C=Concentration, D=Depletion, RM=Reduced Matrix. - D=C=Concentration, D=Depletion, RM=Redice Sand Grains. - C=Concentration, D=Depletice Lydric Soil R=Atrix. - Coast Prairie Redox (A10) (MLRA 147, 148) - (MLRA 147, 148) - Piedmont Floodplain Soils (F19) - Very Shallwo Dark Surface (TF12) - Other (Explain in Remarks) - Sindicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. - Very Shallwo Dark Surface (F19) (MLRA 127, 147) - Very Shallwo Dark Surface (F19) (MLRA 127, 147) - Other (Explain in Remarks) - Other (Explain in Re	4 - 18	2.5Y 6/3	90	7.5YR 5/8	<u>8</u>	_ <u>C</u>	<u>M</u>	Sandy Loam		
Histosol (A1)	4 - 18			10YR 3/3	2	С	М	Sandy Loam	Secondary Re	dox feature
Histosol (A1)	-									
Histosol (A1)				-						
Histosol (A1)		-		- -				·	-	
Histosol (A1)					_			<u> </u>		
Histosol (A1)	-			_				<u> </u>		
Histosol (A1)	-									
Histosol (A1)	-									
Histosol (A1)						_				
Histosol (A1)			_			-		2		
Histosol (A1) Dark Surface (S7) Polyvalue Below Surface (S8) (MLRA 147, 148) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) (MLRA 147, 148) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Cepted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Sandy Redox (S5) Septem Matrix (S6) Thin Dark Surface (S9) (MLRA 147, 148) Depleted Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) Wetland 1970 or problematic. Hydric Soil Present? Yes No			epletion, RI	M=Reduced Matrix, N	/IS=Mask	ed Sand (Grains.			
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Thin Dark Surface (S9) (MLRA 147, 148) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Thick Dark Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) MLRA 136, 130 Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic.				B : 0 :	· - (CT)					•
Black Histic (A3)						f (00)	/BII D A 445			
Hydrogen Sulfide (A4) Stratified Layers (A5) 2 cm Muck (A10) (LRR N) Depleted Matrix (F3) 2 cm Muck (A10) (LRR N) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 136) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S6) Trictive Layer (if observed): Depleted Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F3) Medox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Wetland hydrology must be present, unless disturbed or problematic. Wetland Present? Yes No								7, 148) C		
Stratified Layers (A5)							(147, 148)	_	•	
2 cm Muck (A10) (LRR N)						, ,		'		
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Strippe)					V		
Sandy Mucky Mineral (S1) (LRR N, MLRA 136) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Extrictive Layer (if observed): Supper Matrix (S6) MLRA 136) Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Red Parent Material (F21) (MLRA 127, 147) Wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No						. ,			•	
MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Evepth (inches): MLRA 136) MLRA 136, Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) Evepth (inches): MLRA 136, Umbric Surface (F13) (MLRA 136, 122) Wetland hydrology must be present, unless disturbed or problematic. Wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No	Thick D	ark Surface (A12)		Redox Dep	ressions ((F8)				
Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122) Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) wetland hydrology must be present, unless disturbed or problematic. trictive Layer (if observed): Type: Depth (inches):) (LRR N,			sses (F12) (LRR N,			
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, unless disturbed or problematic. trictive Layer (if observed): Type: Pepth (inches): Hydric Soil Present? Yes No								3.		
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. trictive Layer (if observed): ype: Pepth (inches): Hydric Soil Present? Yes No)							_
trictive Layer (if observed): Type: Depth (inches): Hydric Soil Present? Yes No	-									
Pepth (inches): No			٠٩)٠	Ned i aleili	Material	(1 Z 1) (IVIL	.IXA 121, 15	1	less disturbed or pr	obiematic.
Depth (inches): No No			,.							
	• -							Hydric Soil	Present? Ves	No. V
								Tiyane oon	Tresent: res_	

Project/Site: Southeast Supply Enhancement Project City/Cour	hty: Pittsylvania Sampling Date: 2024-07-26
	State: Virginia Sampling Point: DP-296
Investigator(s):KZ, LS Section,	Fownship, Range: N/A
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 2
Subregion (LRR or MLRA): P 136 Lat: 36.77124504	Long: -79.40274596 Datum: WGS 84
Soil Map Unit Name: 1C - Nathalie sandy loam, 7 to 15 percent slop	oes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed	? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic	
SUMMARY OF FINDINGS – Attach site map showing sampl	ing point locations, transects, important features, etc.
Lludria Sail Dragant? YeS NO 🗸	the Sampled Area thin a Wetland? Yes No
Remarks:	
Only one (i.e., hydrophytic vegetation) of the three data point. HYDROLOGY	e wetland parameters was satisfied at this
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14)	
Surface Water (A1) High Water Table (A2) Hydrogen Sulfide Odor (
Saturation (A3) — Oxidized Rhizospheres of	- · · · · · · · · · · · · · · · · · · ·
Water Marks (B1) Presence of Reduced Iro	
Sediment Deposits (B2) Recent Iron Reduction in	
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remark	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous)	us inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

Sampl	ina	Point:	DP-296

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover		Status	Number of Dominant Species
1. Acer negundo	30		FAC	That Are OBL, FACW, or FAC: 4 (A)
2. Acer rubrum	10		FAC	Total Number of Dominant
3. Celtis occidentalis	10	~	FACU	Species Across All Strata: 6 (B)
4. Ailanthus altissima	5		FACU	
5. Liquidambar styraciflua	5		FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 66.66 (A/B)
6. Robinia pseudoacacia	5		FACU	That / He GBE, 1 / 1644, 61 1 / 16.
7.				Prevalence Index worksheet:
	65	= Total Cove	 er	Total % Cover of: Multiply by:
50% of total cover: 32.50		f total cover:		OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r	_			FACW species $0 \times 2 = 0$
1. Celtis occidentalis	5	✓	FACU	FAC species 133 x 3 = 399
2. Acer rubrum	2	~	FAC	FACU species 27
3				UPL species <u>0</u> x 5 = <u>0</u>
4				Column Totals: 160 (A) 507 (B)
5				
				Prevalence Index = B/A = 3.16
-				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				<u>✓</u> 2 - Dominance Test is >50%
9	7	T-tal Cau		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 3.50		= Total Cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20% 01	total cover.	1	data in Remarks or on a separate sheet)
1. Microstegium vimineum	75	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Verbesina alternifolia	5		FAC	
3. Amphicarpaea bracteata	4		FAC	¹ Indicators of hydric soil and wetland hydrology must
Ligustrum sinense	2		FACU	be present, unless disturbed or problematic.
4. Ligustrum sinense 5. Smilax rotundifolia	2		FAC	Definitions of Four Vegetation Strata:
·			FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 44.00	20% of	total cover:	17.60	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				
5				Hydrophytic Vegetation
<u>. </u>		= Total Cove		Present? Yes V No No
50% of total cover:				_
Remarks: (Include photo numbers here or on a separate sh				
A				

No woody vine stratum was observed at this data point.

Depth	Matrix	%	Redox Features	_oc²	Tout	Damade
inches)	Color (moist)		Color (moist) % Type ¹		Texture	Remarks
0 - 18	2.5YR 4/6	100		Sar	ndy Clay Loam	
-						
-						
	_					
-						
_						
vpe: C=C	oncentration, D=De	pletion RM=R	Reduced Matrix, MS=Masked Sand Grains	3. ² L	ocation: PL	=Pore Lining, M=Matrix.
	Indicators:			<u> </u>	Indica	tors for Problematic Hydric Soils
_ Histosol			Dark Surface (S7)			cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLF	A 147, 148		past Prairie Redox (A16)
	istic (A3)		Thin Dark Surface (S9) (MLRA 147			(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	, -,		edmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)			ery Shallow Dark Surface (TF12)
Depleted	d Below Dark Surfac	ce (A11)	Depleted Dark Surface (F7)			her (Explain in Remarks)
_ Thick Da	ark Surface (A12)		Redox Depressions (F8)			
_ Sandy N	Mucky Mineral (S1)	LRR N,	Iron-Manganese Masses (F12) (LR	R N,		
MLRA	A 147, 148)		MLRA 136)			
Sandy G	Sleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136,	122)	³ Indio	cators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Floodplain Soils (F19) (M	LRA 148)	wet	land hydrology must be present,
_ Stripped	l Matrix (S6)		Red Parent Material (F21) (MLRA 1	27, 147)	unle	ess disturbed or problematic.
estrictive	Layer (if observed)):				
Type:			<u></u>			
Depth (in	ches):			+	lydric Soil I	Present? Yes No 🗸
emarks:						

Project/Site: Southeast Supply Enhancement Project	t City/County: Pitt	sylvania	Sampling Date: 2024-08-13
Applicant/Owner: Transcontinental Gas Pipe Line Comp	any, LLC	State: Virginia	
Investigator(s):KZ, LS	Section, Township	o, Range: N/A	
Landform (hillslope, terrace, etc.): Floodplain	Local relief (concave	, convex, none): Concave	Slope (%):_0-2
Subregion (LRR or MLRA): P 136 Lat: 36.772	2735	Long: <u>-79.3966808</u>	Datum: WGS 84
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2		uently flooded NWI classific	ation: N/A
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes	No (If no, explain in R	emarks.)
Are Vegetation, Soil, or Hydrology signifi	cantly disturbed?	Are "Normal Circumstances" p	oresent? Yes No
Are Vegetation, Soil, or Hydrology natura	ally problematic?	(If needed, explain any answe	rs in Remarks.)
SUMMARY OF FINDINGS – Attach site map sho	wing sampling po	int locations, transects	, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No No	Is the San within a W	npled Area /etland? Yes <u>/</u>	No
All three wetland parameters (i.e., wetlasoils) were satisfied at this data point.	and hydrology,	hydrophytic vegeta	ation, and hydric
HYDROLOGY		O consideration the disc	(
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that of	, , , , , , , , , , , , , , , , , , ,		tors (minimum of two required)
Primary Indicators (minimum of one is required; check all that a Surface Water (A1) True Aqu	appiy) iatic Plants (B14)		getated Concave Surface (B8)
High Water Table (A2) Hydroger	Drainage Pat		
	Roots (C3) Moss Trim Li		
	e of Reduced Iron (C4)	Dry-Season	
Sediment Deposits (B2) Recent Ir	on Reduction in Tilled S		
	ck Surface (C7)		sible on Aerial Imagery (C9)
	xplain in Remarks)		tressed Plants (D1)
Iron Deposits (B5)			Position (D2)
Inundation Visible on Aerial Imagery (B7)		Shallow Aqui	
Water-Stained Leaves (B9)Aquatic Fauna (B13)		FAC-Neutral	phic Relief (D4)
Field Observations:		I AO-Neutral	Test (D0)
Surface Water Present? Yes No Depth (i	nches):		
Water Table Present? Yes No Depth (i	nches):		
Saturation Present? Yes No Depth (i	nches):	Wetland Hydrology Presen	t? Yes <u>/</u> No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aeria	l photos, previous inspe	tions), if available:	
, , , , ,		- ,	
Remarks:			

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-297
00.5	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Liquidambar styraciflua	40		FAC	That Are OBL, FACW, or FAC: 6 (A)
2. Acer rubrum	20		FAC	Total Number of Dominant
3. Quercus alba	10		FACU	Species Across All Strata: 6 (B)
4. Quercus phellos	10		FAC	Description of Description of Organica
5	-			Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				
7				Prevalence Index worksheet:
	80	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 40.00	20% of	total cover:	16.00	OBL species $\frac{12}{2}$ $\times 1 = \frac{12}{2}$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 \times 2 = 0$
_{1.} Liquidambar styraciflua	10		FAC	FAC species 104 x 3 = 312
2. Quercus phellos	2		FAC	FACU species 15 x 4 = 60
3. Carpinus caroliniana	2		FAC	UPL species $0 \times 5 = 0$
4				Column Totals: 131 (A) 384 (B)
5				D 1 1 1 2 2 2 3
6				Prevalence Index = B/A = 2.93
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
	14	= Total Cov	er	✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 7.00		total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Carex lurida	12	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Microstegium vimineum	10	<u> </u>	FAC	
3. Smilax rotundifolia	10		FAC	Indicators of hydric soil and wetland hydrology must
4. Lonicera japonica	5		FACU	be present, unless disturbed or problematic.
5				Definitions of Four Vegetation Strata:
6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				Hoight.
9.				Sapling/Shrub – Woody plants, excluding vines, less
10				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11.				
	37	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 18.50				or size, and woody plants less than 6.20 ft tail.
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4				
5				Hydrophytic
J		= Total Cov		Vegetation Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s			•	
indiana. (illulade prioto flutilibeta fiele of off a separate sheet.)				
No woody vine stratum was observed	d at thi	s data p	oint.	
-		•		

SOIL Sampling Point: DP-297

Profile Desc	ription: (Describe	to the dep	th needed to docun	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix	_	Redo	x Feature	s			·
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 12	10YR 4/2	70	7.5YR 5/4	30	С	PL / M	Sandy Clay Loam	
12 - 18	10YR 4/1	85	7.5YR 5/6	15	D	PL / M	Sandy Clay Loam	
	· ·				-			
		· ——		-			-	
	·							
-								
							-	
							-	
_								
¹ Type: C=Co	oncentration, D=Dep	letion. RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.	² Location: P	PL=Pore Lining, M=Matrix.
Hydric Soil			Trouges and the same					ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)				2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ice (S8) (N	ILRA 147,		Coast Prairie Redox (A16)
Black Hi			Thin Dark Su				, <u> </u>	(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix ((F2)		F	Piedmont Floodplain Soils (F19)
	l Layers (A5)		Depleted Mat					(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S	•	,			/ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar				<u> </u>	Other (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depre			LDDN		
	lucky Mineral (S1) (L \ 147, 148)	KK N,	Iron-Mangan MLRA 13		es (F12) (LKK N,		
	Bleyed Matrix (S4)		Umbric Surfa		(MLRA 13	16 122)	³ Inc	licators of hydrophytic vegetation and
	ledox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N					nless disturbed or problematic.
	_ayer (if observed):					<u> </u>		·
Type:								
Depth (inc	ches):						Hydric Soil	I Present? Yes 🖍 No
Remarks:	, -						1 -	
T to mainter								

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-298
20 4 -	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species _
1. Acer negundo	25		FAC	That Are OBL, FACW, or FAC: 5 (A)
2. Acer rubrum	15		FAC	Total Number of Dominant
3				Species Across All Strata: 6 (B)
4.				、,
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 83.33 (A/B)
-				That Are OBL, FACW, or FAC: 83.33 (A/B)
6	-	·		Prevalence Index worksheet:
7	40			Total % Cover of: Multiply by:
500/ - 51-1-1 20 00		= Total Cov		OBL species $0 x 1 = 0$
50% of total cover: 20.00	20% of	total cover:	0.00	FACW species $\frac{15}{15}$ $\times 2 = \frac{30}{15}$
Sapling/Shrub Stratum (Plot size: 15 ft r)	_		E 4 O L L	
1_ Ligustrum sinense			<u>FACU</u>	
2	-			FACU species $\frac{5}{2}$ $x 4 = \frac{20}{2}$
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>95</u> (A) <u>275</u> (B)
5				
6				Prevalence Index = B/A = 2.89
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
0.50		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 2.50	20% of	total cover:	1.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Verbesina alternifolia	25		FAC	Problematic Hydrophytic Vegetation (Explain)
2. Solidago rugosa	10		FAC	1
3. Boehmeria cylindrica	10	✓	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Vernonia noveboracensis	5		FACW	
5.				Definitions of Four Vegetation Strata:
0	-			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of
1		·		height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11	-			Herb – All herbaceous (non-woody) plants, regardless
	50	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>25.00</u>	20% of	total cover:	10.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2			·	
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
500/ C		= Total Cov		1163 <u>1163</u> 110
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate sl	heet.)			
No woody vine stratum was observed	d at thi	s data p	ooint.	

epth	Matrix	- 10 tile dop	th needed to document tl Redox Feat				
ches)	Color (moist)	%		Type ¹ Loc ²	- Texture	Remark	s
0 - 18	10YR 5/4	100	70		Sandy Clay Loam	, toman	
	10111 0/4						
							
-							
-							
	_						
	-						
-							
ne: C=Co	oncentration D=De	nletion RM=	=Reduced Matrix, MS=Mas	ked Sand Grains	² l ocation: Pl =	Pore Lining, M=Matr	ix
	Indicators:	piotion, ravi	Troduced Matrix, We Mae	nod Carla Cramo.		rs for Problematic	
Histosol			Dark Surface (S7)			n Muck (A10) (MLR	-
	pipedon (A2)			ırface (S8) (MLRA 14		st Prairie Redox (A1	
Black Hi				S9) (MLRA 147, 148)	· ·	MLRA 147, 148)	0)
	en Sulfide (A4)		Loamy Gleyed Mati			lmont Floodplain Soi	ils (F19)
	d Layers (A5)		Depleted Matrix (F3			MLRA 136, 147)	()
	uck (A10) (LRR N)		Redox Dark Surface	•	•	/ Shallow Dark Surfa	ice (TF12)
	d Below Dark Surfa	ce (A11)	Depleted Dark Surf	• •		er (Explain in Remar	
	ark Surface (A12)	,	Redox Depressions			` '	,
	Mucky Mineral (S1)	(LRR N,	-	asses (F12) (LRR N,			
	A 147, 148)	•	MLRA 136)	, , ,			
Sandy G	Bleyed Matrix (S4)		Umbric Surface (F1	3) (MLRA 136, 122)	³ Indica	tors of hydrophytic v	egetation an
Sandy R	Redox (S5)		Piedmont Floodplai	n Soils (F19) (MLRA '	148) wetla	nd hydrology must b	e present,
Stripped	l Matrix (S6)		Red Parent Materia	l (F21) (MLRA 127, 1	47) unles	s disturbed or proble	ematic.
trictive I	Layer (if observed):					
Гуре:							
Depth (ind	ches):				Hydric Soil Pr	esent? Yes	No <u>~</u>
narks:	,					·	
iaiks.							

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania Sampling Date: 2024-08-14
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-299
Investigator(s):KZ, LS Section	on, Township, Range: N/A
	ief (concave, convex, none): Concave Slope (%): 3-5
	Long: -79.578025 Datum: WGS 84
Soil Map Unit Name: 4B - Clifford sandy loam, 2 to 7 percent slo	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	
	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No V No V	Is the Sampled Area within a Wetland? Yes No
Remarks:	
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydropnytic vegetation, or
HYDROLOGY Westland Hydrology Indicators:	Cocondany Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (High Water Table (A2) Hydrogen Sulfide Od Saturation (A3) Oxidized Rhizosphen Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C) Algal Mat or Crust (B4) Other (Explain in Rerection Indication Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, present)	Surface Soil Cracks (B6) (B14)
No hydrology was observed at this data point.	

VEGETATION (Four Strata) – Use scientific names of plants.

		plants.		Sampling Point: DP-299
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)
3				That Ale OBL, I ACW, OI I AC.
7				Prevalence Index worksheet:
· ·		= Total Cov	or.	Total % Cover of: Multiply by:
50% of total cover:				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	2070 01	total oover.		FACW species $0 x 2 = 0$
				FAC species $0 x 3 = 0$
1				FACU species 98 x 4 = 392
2				UPL species 0 $x = 0$
3				00 202
4. <u> </u>			-	Column Totals: (A) 392 (B)
5				Prevalence Index = B/A = 4.00
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
3				2 - Dominance Test is >50%
9				3 - Prevalence Index is <3.01
		= Total Cov	er	
50% of total cover:	20% of	total cover:		4 - Morphological Adaptations¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1 Dactylis glomerata	60	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Sorghum halepense	15		FACU	
Trifolium pratense	10		FACU	¹ Indicators of hydric soil and wetland hydrology must
Solanum carolinense	8		FACU	be present, unless disturbed or problematic.
5 Lespedeza cuneata	5		FACU	Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>49.00</u>) 20% of	total cover:	19.60	Woody vine – All woody vines greater than 3.28 ft in
Noody Vine Stratum (Plot size: 30 ft r)				height.
Noody Vine Stratum (Plot size: 30 ft r)				height.
1				height.
1				height.
Woody Vine Stratum (Plot size: 30 ft r) 1				
1				Hydrophytic
1				
1		= Total Cov	 er	Hydrophytic Vegetation

Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the i	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox	Features	3					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	s
0 - 18	7.5YR 5/6	100					Silt Loam			
	-							-		
-										
	-									
								-		
-										
1							2			
		letion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P			
Hydric Soil I										Hydric Soils ³ :
Histosol			Dark Surface	. ,	(00) (5)				A10) (MLR	
	pipedon (A2)		Polyvalue Bel				148) C		e Redox (A1	6)
Black His			Thin Dark Su			47, 148)	Б	MLRA 14)		Un (E40)
	n Sulfide (A4)		Loamy Gleye		-2)		P		oodplain Soi	IIS (F19)
	l Layers (A5) ck (A10) (LRR N)		Depleted Mat Redox Dark S		6)		V	MLRA 13)	v Dark Surfa	100 (TE12)
	Below Dark Surfac	e (A11)	Depleted Dar	•					in in Remar	
	rk Surface (A12)	0 (/ (/)	Redox Depre				~	raioi (Expid	r.coma.	110)
	lucky Mineral (S1) (LRR N.	Iron-Mangane			LRR N,				
	147, 148)	,	MLRA 136		, ,	,				
	leyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Ind	icators of h	ydrophytic v	egetation and
	edox (S5)		Piedmont Flo						ology must b	-
Stripped	Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	') un	less disturb	ed or proble	ematic.
Restrictive L	ayer (if observed)									
Type:										
Depth (inc	ches):						Hydric Soil	Present?	Yes	No 🖍
Remarks:	, -		<u></u>							

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania Sampling Date: 2024-08-15							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-300							
Investigator(s): KZ, LS Section, Township, Range: N/A								
	ief (concave, convex, none): Concave Slope (%): 3-5							
	Long: -79.576825 Datum: WGS 84							
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce								
Are climatic / hydrologic conditions on the site typical for this time of year? $$ Y	es No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Hydric Soil Present? Yes Yes No No	Is the Sampled Area							
Tryune doi: 1 resent:	within a Wetland? Yes No							
Wetland Hydrology Present? Yes No 🗸 Remarks:								
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or							
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)							
High Water Table (A2) Hydrogen Sulfide Ode	or (C1) Drainage Patterns (B10)							
Saturation (A3) Oxidized Rhizosphere	es on Living Roots (C3) Moss Trim Lines (B16)							
Water Marks (B1) Presence of Reduced								
Sediment Deposits (B2) Recent Iron Reductio								
Drift Deposits (B3) Thin Muck Surface (C								
Algal Mat or Crust (B4) Other (Explain in Ren								
Iron Deposits (B5)	Geomorphic Position (D2)							
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13)	FAC-Neutral Test (D5)							
Field Observations: Surface Water Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:							
Remarks:								
No hydrology was observed at this data point.								
The flydrology was observed at this data point.								

VEGETATION (Four Strata) – Use scientific names of plants.

				Sampling Point: DP-300
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4. <u> </u>				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)
3.				That Ale OBE, I AOW, OI I AO.
7				Prevalence Index worksheet:
		= Total Cov	er er	Total % Cover of: Multiply by:
50% of total cover:				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)			·	FACW species $0 x 2 = 0$
				FAC species $0 x 3 = 0$
I				FACU species 95 x 4 = 380
2				UPL species 0 $x = 0$
3				Column Totals: 95 (A) 380 (B)
1				Column Totals. (A)
5				Prevalence Index = $B/A = 4.00$
6			·	Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:	<u> </u>	
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
_{1.} Dactylis glomerata	40	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
_{2.} Lespedeza cuneata	30	~	FACU	
Apocynum androsaemifolium	20	~	FACU	¹Indicators of hydric soil and wetland hydrology must
Solanum carolinense	5		FACU	be present, unless disturbed or problematic.
5				Definitions of Four Vegetation Strata:
_				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
-			·	more in diameter at breast height (DBH), regardless of
				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
47.70		= Total Cov		of size, and woody plants less than 3.28 ft tall.
E00/ of total accuse: 4/50	20% of	total cover:	19.00	Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: <u>47.50</u>				
· · · · · · · · · · · · · · · · · · ·				height.
· · · · · · · · · · · · · · · · · · ·				
Woody Vine Stratum (Plot size: 30 ft r)				
Noody Vine Stratum (Plot size: 30 ft r) 1				
Woody Vine Stratum (Plot size: 30 ft r)				height.
Woody Vine Stratum (Plot size: 30 ft r) 1				height. Hydrophytic
Woody Vine Stratum (Plot size: 30 ft r) 1				height.
Woody Vine Stratum (Plot size: 30 ft r) 1		= Total Cov	rer	Hydrophytic Vegetation

Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the i	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox	Features	3					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	s
0 - 18	7.5YR 5/6	100					Silt Loam			
	-							-		
-										
	-									
								-		
-										
1							2			
		letion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P			
Hydric Soil I										Hydric Soils ³ :
Histosol			Dark Surface	. ,	(00) (5)				A10) (MLR	
	pipedon (A2)		Polyvalue Bel				148) C		e Redox (A1	6)
Black His			Thin Dark Su			47, 148)		MLRA 14)		Un (E40)
	n Sulfide (A4)		Loamy Gleye		-2)		P		oodplain Soi	IIS (F19)
	l Layers (A5) ck (A10) (LRR N)		Depleted Mat Redox Dark S		6)		V	MLRA 13)	v Dark Surfa	100 (TE12)
	Below Dark Surfac	e (A11)	Depleted Dar	•					in in Remar	
	rk Surface (A12)	0 (/ (/)	Redox Depre				~	raioi (Expid	r.coma.	110)
	lucky Mineral (S1) (LRR N.	Iron-Mangane			LRR N,				
	147, 148)	,	MLRA 136		, ,	,				
	leyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Ind	icators of h	ydrophytic v	egetation and
	edox (S5)		Piedmont Flo						ology must b	-
Stripped	Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	') un	less disturb	ed or proble	ematic.
Restrictive L	ayer (if observed)									
Type:										
Depth (inc	ches):						Hydric Soil	Present?	Yes	No 🖍
Remarks:	, -		<u></u>							

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania Sampling Date: 2024-08-15
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-301
Investigator(s):KZ, LS Secti	on, Township, Range: N/A
Landform (hillslope, terrace, etc.): Swale Local re	
	Long: -79.575959 Datum: WGS 84
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perc	
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No ✔	within a Wetland? Yes No
Remarks:	<u></u>
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Oc	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Shallow Aquitard (D3)
Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	170-Noutai Test (50)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
, , , , , , , , , , , , , , , , , , , ,	
Remarks:	
No hydrology was observed at this data point.	

/EGETATION (Four Strata) – Use scientific na		•		Sampling Point: DP-301
Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
1				That Are OBL, FACW, or FAC: $\underline{0}$ (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0.00 (A/E
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
500/ of total account		= Total Cove		OBL species 0 x 1 = 0
50% of total cover:	20% 01	total cover:		FACW species 11 $\times 2 = 22$
Sapling/Shrub Stratum (Plot size: 15 ft r 1. Liquidambar styraciflua	2		FAC	FAC species 4 x 3 = 12
2. Diospyros virginiana	2		FAC	FACU species 93
			1 70	UPL species 0 $x = 0$
3				100 100
4				Column Totals: 108 (A) 406 (B)
5				Prevalence Index = B/A = 3.75
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
200		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 2.00	20% of	total cover:	0.80	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	40		FACIL	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Apocynum androsaemifolium	40		FACU	
2. Dactylis glomerata	25		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Lespedeza cuneata	10		FACU	be present, unless disturbed or problematic.
4. Vernonia noveboracensis	8		FACW	Definitions of Four Vegetation Strata:
5. Trifolium pratense	5		FACU	Tree Moody plants evaluding vines 2 in (7.6 cm) s
6. Solanum carolinense	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of
7. Sorghum halepense	5		FACU	height.
_{8.} Juncus effusus	3		FACW	Sapling/Shrub – Woody plants, excluding vines, less
_{9.} Eupatorium capillifolium	3		<u>FACU</u>	than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>52.00</u>	20% of	total cover:	20.80	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5	-			Vegetation
		= Total Cove	er	Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			1
No trop or woody vino strata ware sh	corvos	l at thia	datar	oint
No tree or woody vine strata were ob	sei vec	ומננווו	uata [JUIIIL

SOIL Sampling Point: DP-301

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	n the abse	nce of indicat	ors.)	
Depth	Matrix			x Feature						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	e	Remarks	
0 - 18	7.5YR 5/4	100					Silt Loa	ım		
							-			
-										
	-						-			
										-
-										
	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	S=Masked	d Sand Gra	ains.	² Location	n: PL=Pore Lin	ing, M=Matrix.	?
Hydric Soil									roblematic Hyd	
Histosol			Dark Surface						(A10) (MLRA 1 4	17)
	pipedon (A2)		Polyvalue Be				148) _	_ Coast Prairi		
Black Hi			Thin Dark Su			47, 148)		(MLRA 14	•	=10)
	n Sulfide (A4)		Loamy Gleye		F2)		_		oodplain Soils (F19)
	d Layers (A5)		Depleted Ma		-0\			(MLRA 1		(TE40)
	ick (A10) (LRR N)	~ (A11)	Redox Dark S				_		w Dark Surface	
	d Below Dark Surfac ark Surface (A12)	e (ATT)	Depleted Dar Redox Depre				_	_ Other (Expla	ain in Remarks)	
	fucky Mineral (S1) (L	RR N	Iron-Mangan			RR N				
	147, 148)	-1111 14,	MLRA 13		C3 (1 12) (1	-1(1(14,				
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	6. 122)		3Indicators of h	nydrophytic vege	etation and
	ledox (S5)		Piedmont Flo						ology must be p	
-	Matrix (S6)		Red Parent N					-	oed or problema	
	_ayer (if observed):		_		/ (,	1			
Type:	,									
	ches):						Hydric	Soil Present?	Yes	No 🗸
	Jiles)						пуштс	Jon Fresent:	165	NO
Remarks:										

Project/Site: Southeast Supply Enhancement Project City/Cou	inty: Pittsylvania Sampling Date: 2024-08-20
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-302
Investigator(s):KZ, LS Section,	Township, Range: N/A
Landform (hillslope, terrace, etc.): Swale Local relief	
	Long: -79.577402 Datum: WGS 84
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percen	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	
Are Vegetation, Soil, or Hydrology significantly disturbe	
Are Vegetation, Soil, or Hydrology naturally problematic	
SUMMARY OF FINDINGS – Attach site map showing samp	ling point locations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No Is	s the Sampled Area
Hydric Soil Present?	vithin a Wetland? Yes No
Wetland Hydrology Present? Yes No	<u> </u>
Remarks:	
Only one of the three wetland parameters (i.e., h	lydric solls) was satisfied at this data point.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B1	
High Water Table (A2) Hydrogen Sulfide Odor	
Saturation (A3) Oxidized Rhizospheres	
Water Marks (B1) Presence of Reduced Ir Sediment Deposits (B2) Recent Iron Reduction i	· · · · · · · · · · · · · ·
Sediment Deposits (B2) Recent Iron Reduction i Drift Deposits (B3) Thin Muck Surface (C7)	
Algal Mat or Crust (B4) Other (Explain in Rema	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous provides and provides are also provides as a constant of the provi	nus inspections) if available:
Describe recorded Data (stream gauge, monitoring well, acrial priotos, provid	nas inspections), ii available.
Remarks:	
No hydrology was observed at this data point.	
The flydrology was observed at this data point.	

VEGETATION (Four Strata) – Use scientific names of plants.

Cover	Dominant Species?	Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: 2 (B)
			That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B)
			Total Number of Dominant Species Across All Strata: 2 (B)
			Species Across All Strata: 2 (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 50.00 (A/B)
			Dura valona a la deve vende la este
			Prevalence Index worksheet:
=	= Total Cove	er	
0% of t	total cover:		x
			FACW species $\frac{20}{33}$ $x = \frac{40}{99}$
			1710 species x s
			FACU species $\frac{33}{2}$ $\times 4 = \frac{132}{2}$
			UPL species $0 \times 5 = 0$
			Column Totals: <u>86</u> (A) <u>271</u> (B)
			Prevalence Index = B/A = 3.15
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0 ¹
	= Total Cove	er	4 - Morphological Adaptations ¹ (Provide supporting
0% of t	total cover:_		
			data in Remarks or on a separate sheet)
		<u>FACU</u>	Problematic Hydrophytic Vegetation ¹ (Explain)
		FACW	1
		FAC	'Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
		FACU	Definitions of Four Vegetation Strata:
		FAC	Deminions of Four Vegetation Strata.
		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
		FAC	more in diameter at breast height (DBH), regardless of height.
		FAC	
			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Heads All back as a second for an extended a least a second least
	Total Cove		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	_		Woody vine – All woody vines greater than 3.28 ft in height.
			Height.
			Hydrophytic Vegetation
			Present? Yes No
)			
	======================================	= Total Cover:	= Total Cover FACU FACW FACU FAC FA

SOIL Sampling Point: DP-302

Profile Desc	cription: (Describe	to the dep	th needed to docum	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature	s			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 18	10YR 4/2	95	7.5YR 5/6	5	С	М	Clay Loam	
							-	
				·				
-								
	•						-	
				-				
				·				
-								
	-							
1							2	
		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				. 148) C	Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			47, 148)	_	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma		-0)			(MLRA 136, 147)
	uck (A10) (LRR N)	- (Δ11)	Redox Dark					/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac ark Surface (A12)	e (A 1 1)	Depleted Dar Redox Depre					Other (Explain in Remarks)
	lucky Mineral (S1) (L	RR N	Iron-Mangan			I RR N		
	A 147, 148)	-1313 14,	MLRA 13		C3 (1 12) (LIXIX IV,		
	Gleyed Matrix (S4)		Umbric Surfa		(MLRA 13	6. 122)	³ Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N					less disturbed or problematic.
	Layer (if observed):				/ (, , , , , ,	1	
Type:	,							
	ches):						Hydric Soil	Present? Yes 🗸 No
Remarks:							11,411.000.	100 m
Remarks.								

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-10-07
Applicant/Owner: Transcontinental Gas Pipeline Company, LLC	State: Virginia Sampling Point: DP-303
Investigator(s):KZ, LS Secti	
Landform (hillslope, terrace, etc.): Depression Local rel	
	Long: -79.39690625 Datum: WGS 84
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent s	
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly disturbed.	
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	In the Complet Asse
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No 🗸	Within a Wetland:
Remarks:	
None of the three wetland parameters (i.e., we	stland hydrology, hydrophytic vegetation, or
	talia flyarology, flyaropflytic vegetation, or
hydric soils) were observed at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Od	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	d Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction	on in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Rel	marks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
No hardwala marana ahaa maada da khiis ahaka maink	
No hydrology was observed at this data point.	

20.4		Dominant		Dominance Test worksheet:	
ree Stratum (Plot size: 30 ft r)				Number of Dominant Species That Are OBL, FACW, or FAC: 1	(A)
). 				Total Number of Dominant Species Across All Strata: 2	(B)
l				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00	(A/B
). 7				Prevalence Index worksheet:	
		= Total Cov	rer	Total % Cover of: Multiply by:	
50% of total cover:				OBL species $0 \times 1 = 0$	
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{17}{x^2}$ $x = \frac{34}{x^2}$	
<u>, </u>				FAC species 60 x 3 = 180	
2				FACU species 26 x 4 = 104	
3				UPL species $3 \times 5 = 15$	
k				Column Totals: 106 (A) 333	(B)
5				Prevalence Index = B/A = 3.14	
5				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
3		-		2 - Dominance Test is >50%	
)				3 - Prevalence Index is ≤3.0 ¹	
		= Total Cov		4 - Morphological Adaptations¹ (Provide supp	ortin
50% of total cover:	20% of	total cover	<u> </u>	data in Remarks or on a separate sheet)	011111
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain	١,
1 _. Andropogon gerardii	45		FAC	1 Toblematic Trydrophytic Vegetation (Explain	,
Verbena officinalis	15		FACU	¹ Indicators of hydric soil and wetland hydrology m	uot
3. Carex alopecoidea	12		FACW	be present, unless disturbed or problematic.	JSI
_{4.} Liquidambar styraciflua	10	-	FAC	Definitions of Four Vegetation Strata:	
_{5.} Erigeron annuus	8		FACU		
_{6.} Bidens frondosa	5		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 c more in diameter at breast height (DBH), regardle	
7 _. Panicum capillare	5		FAC	height.	55 0
3. Lespedeza cuneata	3		FACU	Sanling/Shrub Woody plants evaluding vines	looo
_{9.} Pavonia hastata	3		UPL	Sapling/Shrub – Woody plants, excluding vines, than 3 in. DBH and greater than or equal to 3.28 in the same statement of the same st	
10				m) tall.	
l1	400			Herb – All herbaceous (non-woody) plants, regard	lless
500/ 51 L		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: <u>53.00</u>	20% of	total cover	Z 1.ZU	Woody vine – All woody vines greater than 3.28	t in
Woody Vine Stratum (Plot size: 30 ft r)				height.	
1					
2					
3					
4	· ·			Hydrophytic	
5				Vegetation Present? Yes No	
50% of total cover:		= Total Cov		riesent! TesNO	
		iolai cover			
Remarks: (Include photo numbers here or on a separate	sheet.)				
				ed at this data point.	

US Army Corps of Engineers

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirm	the absence	e of indicators.)
Depth	Matrix			x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 18	7.5YR 5/4	95	7.5YR 5/2	5	D	М	Silty Clay Loam	
_								
					-			
					· <u> </u>			
-								
		·						
					· 		-	
-								
			-					
				-	· 			
¹ Type: C=Ce	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Masked	d Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indic	cators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			:	2 cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (I	/ILRA 147,	148) (Coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	ırface (S9) (MLRA	147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		ا	Piedmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Ma	trix (F3)				(MLRA 136, 147)
2 cm Mu	ick (A10) (LRR N)		Redox Dark	Surface (F	- 6)		`	Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da				(Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	_RR N,	Iron-Mangan		ses (F12) (LRR N,		
	A 147, 148)		MLRA 13				2	
	Bleyed Matrix (S4)		Umbric Surfa					dicators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F	-21) (MLR	A 127, 147	7) uı	nless disturbed or problematic.
Restrictive I	_ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soi	il Present? Yes No 🗸
Remarks:								

SOIL

Project/Site: Southeast Supply Enhancement Project Cit	ty/County: Pittsylvania County Sampling Date: 2024-10-08
Applicant/Owner: Transcontinental Gas Pipeline Company, LLC	
Investigator(s):KZ, LS Se	ection, Township, Range:
	relief (concave, convex, none): Concave Slope (%): 2-3
	Long: -79.435101 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 perce	
Are climatic / hydrologic conditions on the site typical for this time of year?	? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly dis	sturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally proble	
	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: All three wetland parameters (i.e. wetland by	Is the Sampled Area within a Wetland? Yes V No
soil) were observed at this data point.	ydrology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plan	
High Water Table (A2) Hydrogen Sulfide	
	heres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Redu	
	ction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface Algal Mat or Crust (B4) Other (Explain in I	
Algal Mat or Crust (B4) Other (Explain in I Iron Deposits (B5)	Remarks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):_	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	
Remarks:	

ON (Four Strata) – Use scientific names o	nts. Samplin	g Point: DP-304
Absolut	minant Indicator Dominance Test worksho	eet:
(Plot size: <u>30 ft r</u>) <u>% Cov</u>	eccies? Status Number of Dominant Spec	
		AC: <u>2</u> (A)
	Total Nulliber of Dollillant	
· · · · · · · · · · · · · · · · · · ·		<u>2</u> (B)
·	Percent of Dominant Spec	ies
		AC: 100.00 (A/B)
	Prevalence Index worksh	neet:
· · · · · · · · · · · · · · · · · · ·	Total % Cover of:	Multiply by:
50% of total cover: 20%	otal Cover OBL species OBL species	x 1 = <u>0</u>
Stratum (Plot size: 15 ft r)	FACW species 35	x 2 = <u>70</u>
, , , , , , , , , , , , , , , , , , , ,	FAQ : 60	x 3 = <u>180</u>
	1 54011 : ()	x 4 = 0
	LUDI anasiaa ()	x 5 = 0
	Column Totals: 95	(A) <u>250</u> (B)
		D/A 2.63
	Frevalence muex =	
	Hydrophytic Vegetation I	
	I - Rapid Test for Tiyu	· · ·
	2 - Dominance Test is 2 - Prevalence Index i	
	atal Cover	ptations ¹ (Provide supporting
50% of total cover: 20%	l cover:	on a separate sheet)
(Plot size: 5 ft r)	Droblematic Hydrophy	. ,
gium vimineum 60	<u> </u>	tic vegetation (Explain)
pensylvanica 25	FACW Indicators of hydric soil ar	nd wetland hydrology must
fusus 10	FACW be present, unless disturbe	
	Definitions of Four Vege	tation Strata:
	Tree – Woody plants, excl	uding vines, 3 in. (7.6 cm) or
		height (DBH), regardless of
	height.	
		plants, excluding vines, less
		r than or equal to 3.28 ft (1
	m) tall.	
95		n-woody) plants, regardless
50% of total cover: 47.50 20%	of size, and woody plants I	ess (nan 3.20 it tail.
stratum (Plot size: 30 ft r)	Woody vine – All woody v	rines greater than 3.28 ft in
, , , , , , , , , , , , , , , , , , , ,	height.	
	Hydrophytic	
	otal Cover Present? Yes _	<u>√</u> No
50% of total cover: 20%	l cover:	
clude photo numbers here or on a separate sheet.)		
50% of total cover: 20%	Vegetation Present? Yes _	<u>√</u> No

SOIL

Depth	Matrix Color (moist)	%		ox Feature		Loc ²	Toytura		Remarks	
(inches) 0 - 12	2.5Y 4/1	<u>%</u> 75	Color (moist) 5YR 5/8	<u>%</u> 25	Type C	PL / M	Texture Silty Clay Loam		кетпагкѕ	
	-		• •							
12 - 18	10YR 4/2	85	5YR 5/8	15	<u>D</u>	<u> </u>	Clay Loam			
-					. <u></u>					
-										
			-							
			-							
	-		<u> </u>							
	-		<u> </u>							
-	-									
vpe: C=C	oncentration. D=De	epletion. RN	M=Reduced Matrix, M	1S=Masked	d Sand 0	Grains.	² Location: PL	=Pore Lin	ing, M=Matrix	
	Indicators:		,				Indica	tors for P	roblematic H	ydric Soils ³ :
Histosol	(A1)		Dark Surfac	e (S7)			2	cm Muck (A10) (MLRA	147)
	pipedon (A2)				ice (S8)	(MLRA 147,			e Redox (A16)	•
_ Black H	istic (A3)		Thin Dark S	urface (S9) (MLR A	147, 148)		(MLRA 14	17, 148)	
	en Sulfide (A4)		Loamy Gley		(F2)				oodplain Soils	(F19)
	d Layers (A5)		Depleted M					(MLRA 1		
	uck (A10) (LRR N)		Redox Dark					-	v Dark Surfac	• •
	d Below Dark Surfa	ace (A11)	Depleted Da		. ,		0	ner (Expia	in in Remarks	S)
	ark Surface (A12) ⁄lucky Mineral (S1)	/I DD N	Redox Depr Iron-Manga			/I PP N				
	A 147, 148)	(LKK N,	MLRA 1		665 (1 12	(LKK N,				
	Gleyed Matrix (S4)		Umbric Surf	•	(MLRA	136, 122)	³ Indi	cators of h	ydrophytic ve	getation and
	Redox (S5)					9) (MLRA 14			ology must be	-
	Matrix (S6)					.RA 127, 147		-	ed or problem	
estrictive	Layer (if observed	d):								
Туре:										
Depth (in	ches):						Hydric Soil	Present?	Yes 🗸	No
emarks:										

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2024-10-08
Applicant/Owner: Transcontinental Gas Pipeline Company, LLC	State: Virginia Sampling Point: DP-305
Investigator(s):KZ, LS Sect	
Landform (hillslope, terrace, etc.): Hillslope Local re	
	Long:79.4350814 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
•	
Are climatic / hydrologic conditions on the site typical for this time of year?	
	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	In the Committee of America
Hydric Soil Present? Yes No ✔	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No	within a Wetland:
Remarks:	
None of the three wetland parameters (i.e., we	atland hydrology, hydronhytic vegetation, or
	stialia flyarology, flyarophytic vegetation, or
hydric soil) were observed at this data point.	
LIVEROLOGY	
HYDROLOGY Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Seturation (A3) Hydrogen Sulfide Occupance Oxidized Phizospho	
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	Nictotopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	1 AC-Neutial Test (D3)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

EGETATION (Four Strata) – Use scientific	names of p	plants.		Sampling Point: DP-305
Tree Stratum (Plot size: 30 ft r	Absolute <u>% Cover</u>		Indicator Status	Dominance Test worksheet: Number of Dominant Species
l. <u>. </u>				That Are OBL, FACW, or FAC: 0 (A)
).		-		Total Number of Dominant
				Species Across All Strata: 2 (B)
l				Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: 0.00 (A/B
). -				Prevalence Index worksheet:
,				Total % Cover of: Multiply by:
50% of total cover:		= Total Co total cove		OBL species $0 x 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r	2070 01	total cove		FACW species $0 x 2 = 0$
				FAC species 15 x 3 = 45
2				FACU species <u>75</u> x 4 = <u>300</u>
3				UPL species $0 \times 5 = 0$
1.				Column Totals: 90 (A) 345 (B)
5				5 50 202
3.				Prevalence Index = B/A = 3.83
7				Hydrophytic Vegetation Indicators:
3				1 - Rapid Test for Hydrophytic Vegetation
)				2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹
		= Total Co	ver	5 - Prevalence index is \$5.0 4 - Morphological Adaptations ¹ (Provide supportin
50% of total cover:	20% of	total cove	r:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1 Dactylis glomerata	40		FACU	1 Toblematic Hydrophytic Vegetation (Explain)
2 Schedonorus pratensis	20		FACU	¹ Indicators of hydric soil and wetland hydrology must
Microstegium vimineum	15		FAC	be present, unless disturbed or problematic.
Solanum carolinense	15		FACU	Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
5				more in diameter at breast height (DBH), regardless of
7				height.
3				Sapling/Shrub – Woody plants, excluding vines, less
)				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
l1	~~			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 45.0		Total Co		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30 ft r)	2070 01	total cove		Woody vine – All woody vines greater than 3.28 ft in
1				height.
2 <u>.</u>				
3				
1				
5.				Hydrophytic Vegetation
		= Total Co		Present? Yes No
		4-4-1		
50% of total cover:	20% of	totai covei	r:	

Profile Desc	ription: (Describe	to the depti	needed to docum	ent the in	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox	(Features	;					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	S
0 - 18	7.5YR 5/8	100					Silt Loam			
	-	<u> </u>								
-										
-		- · ·								
-										
	-							-		
¹ Type: C=Co	oncentration, D=Dep	letion, RM=I	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P			
Hydric Soil I	ndicators:						Indica	ators for P	roblematic	Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLR	\ 147)
Histic Ep	pipedon (A2)		Polyvalue Bel	ow Surfac	e (S8) (N	ILRA 147,	148) C	oast Prairie	e Redox (A1	6)
Black His	stic (A3)		Thin Dark Su	rface (S9)	(MLRA 1	47, 148)		(MLRA 14	17, 148)	
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (F	- 2)		P	iedmont Fl	oodplain So	ils (F19)
Stratified	l Layers (A5)		Depleted Mat	rix (F3)				(MLRA 13	36, 147)	
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	•					v Dark Surfa	
	d Below Dark Surfac	e (A11)	Depleted Dar				c	ther (Expla	in in Remar	ks)
	ark Surface (A12)		Redox Depre							
	lucky Mineral (S1) (I	LRR N,	Iron-Mangane		es (F12) (I	LRR N,				
	A 147, 148)		MLRA 136				3.			
	Sleyed Matrix (S4)		Umbric Surfa							egetation and
-	ledox (S5)		Piedmont Flo					-	ology must b	
	Matrix (S6)		Red Parent M	laterial (F2	21) (MLR .	A 127, 147	') un	less disturb	ed or proble	ematic.
Restrictive L	_ayer (if observed)									
Туре:										
Depth (inc	ches):						Hydric Soil	Present?	Yes	No <u> </u>
Remarks:							1			

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-10-08
Applicant/Owner: Transcontinental Gas Pipeline Company, LLC	State: Virginia Sampling Point: DP-306
Investigator(s):KZ, LS Sect	
Landform (hillslope, terrace, etc.): Swale Local re	
	Long: -79.435375 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percen	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydroll) were observed at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O	
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reducti	
Drift Deposits (B3) Thin Muck Surface ((C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	

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00.6	Absolute	Dominant		Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
	-	-		That Are OBL, FACW, or FAC: 2 (A)
			· ——	Total Number of Dominant
				Species Across All Strata: 2 (B)
				Dercent of Deminant Charles
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B
				,
				Prevalence Index worksheet:
		= Total Cov	/er	Total % Cover of: Multiply by:
50% of total cover:				OBL species <u>33</u> x 1 = <u>33</u>
apling/Shrub Stratum (Plot size: 15 ft r				FACW species 50 x 2 = 100
,				FAC species $0 \times 3 = 0$
			· ——	FACU species 12 x 4 = 48
				UPL species $0 x 5 = 0$
				Column Totals: 95 (A) 181 (B)
				(2)
			- ——	Prevalence Index = B/A = 1.90
				Hydrophytic Vegetation Indicators:
			· 	✓ 1 - Rapid Test for Hydrophytic Vegetation
			<u> </u>	✓ 2 - Dominance Test is >50%
			· <u></u>	✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supportin
50% of total cover:	20% of	total cover	:	data in Remarks or on a separate sheet)
erb Stratum (Plot size: 5 ft r			- 4 - 0 1 4 /	Problematic Hydrophytic Vegetation¹ (Explain)
Juncus effusus	30		FACW	r robiematic riyarophytic vegetation (Explain)
Persicaria pensylvanica	20		FACW	¹ Indicators of hydric soil and wetland hydrology must
Carex vulpinoidea	18		OBL	be present, unless disturbed or problematic.
Ludwigia peploides	15		OBL	Definitions of Four Vegetation Strata:
Eupatorium capillifolium	12		FACU	
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
				more in diameter at breast height (DBH), regardless of height.
		-		
	-		<u> </u>	Sapling/Shrub – Woody plants, excluding vines, less
)	-	-		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
· .				, ,
	95	T-4-1 O-1		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.50		= Total Cover		of size, and woody plants less than 3.20 it tall.
/oody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover		Woody vine – All woody vines greater than 3.28 ft in
				height.
				
			- ——	
				Hydrophytic
				Vegetation
		= Total Cov		Present? Yes V No No
		total cover		

\th			epth needed to docu	x Features	utor or oomin	in the absence of	•
oth hes)	Matrix Color (moist)	%	Color (moist)		pe ¹ Loc ²	Texture	Remarks
) - 18 -	5Y 5/1	65	7.5YR 5/8	35 C	PL / M	Clay Loam	
-							
-							
-							
<u>-</u>							
	oncentration, D=De	epletion, RI	M=Reduced Matrix, M	S=Masked San	d Grains.		Pore Lining, M=Matrix. rs for Problematic Hydric Soils
Black Hi Hydroge Stratified Com Mu Depleted Thick Do Sandy M MLRA Sandy C Sandy F Stripped	pipedon (A2) istic (A3) en Sulfide (A4) d Layers (A5) uck (A10) (LRR N) d Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) A 147, 148) Gleyed Matrix (S4) Redox (S5) d Matrix (S6) Layer (if observed	(LRR N,	Thin Dark Su Loamy Gleye Depleted Ma Redox Dark Depleted Da Redox Depre Iron-Mangan MLRA 13 Umbric Surfa	elow Surface (Surface (S9) (ML) ed Matrix (F2) utrix (F3) Surface (F6) rk Surface (F7) essions (F8) uese Masses (F6) ace (F13) (MLR)	.RA 147, 148) 12) (LRR N, :A 136, 122) F19) (MLRA 14	,148) Coas (N Pied (N Very Othe	n Muck (A10) (MLRA 147) st Prairie Redox (A16) MLRA 147, 148) Imont Floodplain Soils (F19) MLRA 136, 147) v Shallow Dark Surface (TF12) er (Explain in Remarks) tors of hydrophytic vegetation and hydrology must be present, is disturbed or problematic.
	ches):					Hydric Soil Pro	esent? Yes <u> </u>

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-10-10
Applicant/Owner: Transcontinental Gas Pipeline Company, LLC	State: Virginia Sampling Point: DP-307
Investigator(s):KZ, LS Section	ion, Township, Range: N/A
Landform (hillslope, terrace, etc.): Local re	lief (concave, convex, none): Slope (%):
Subregion (LRR or MLRA): P 136 Lat: 36.742198	Long: -79.43521 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	t slopes, severely eroded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? $^{\backprime}$	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No No No No Yes No No No No No No No No No N	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hyderoil) were observed at this data point.	drology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)
✓ High Water Table (A2) Hydrogen Sulfide Oct	
✓ Saturation (A3) ✓ Oxidized Rhizospher	
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) ✓ FAC-Neutral Test (D5)
Field Observations:	1 A0-Neutlai 1est (D3)
Surface Water Present? Yes No Depth (inches): _5	
Water Table Present? Yes No Depth (inches): 2	
Saturation Present? Yes No Depth (inches): 0	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	

	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species	
Acer rubrum	70		FAC	That Are OBL, FACW, or FAC: 5	(A)
Pinus virginiana	5		FACU	Total Number of Dominant	
				Species Across All Strata: 7	(B)
				Percent of Dominant Species	
			· ——		(A/
i <u>. </u>				Prevalence Index worksheet:	
		= Total Cov		Total % Cover of: Multiply by: OBL species 25 x 1 = 25	
50% of total cover: <u>37.50</u>	20% of	total cover	15.00		
Sapling/Shrub Stratum (Plot size: 15 ft r	_			FACW species $\frac{52}{77}$ $x = \frac{104}{231}$	
_ Juniperus virginiana	5		FACU	1716 openies x	
Nyssa sylvatica	2		FAC	1 A00 species X +	
Alnus incana	2		FACU	UPL species $0 \times 5 = 0$	
				Column Totals: <u>174</u> (A) <u>440</u>	(B
. <u> </u>				Prevalence Index = B/A = 2.52	
				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation✓ 2 - Dominance Test is >50%	
).					
	9	= Total Cov	/er	✓ 3 - Prevalence Index is ≤3.0 ¹	
50% of total cover: 4.50	20% of	total cover	1.80	4 - Morphological Adaptations ¹ (Provide supp	οπιι
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
Eupatorium perfoliatum	20		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
Carex vulpinoidea	20	~	OBL	1,	
Persicaria pensylvanica	15	~	FACW	¹ Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic.	ust
Juncus effusus	12		FACW	Definitions of Four Vegetation Strata:	
Erigeron annuus	8		FACU	Definitions of Four Vegetation Strata.	
Impatiens capensis	5		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 ci	
Smilax rotundifolia	5	-	FAC	more in diameter at breast height (DBH), regardles height.	SS (
Rosa palustris	5		OBL		
·).		-	· ——	Sapling/Shrub – Woody plants, excluding vines, I	
0				than 3 in. DBH and greater than or equal to 3.28 fm) tall.	1 (1
1				,	
'	90	= Total Cov	/or	Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	lles
50% of total cover: 45.00				or olze, and woody plante 1996 than 0.25 it tall.	
Voody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 f	t in
				height.	_
<u>. </u>				Hydrophytic	
i				Vegetation Present? Yes ✓ No	
50% of total cover:		= Total Cover			
		iolai COVEI	•		
Remarks: (Include photo numbers here or on a separate s	neet.)				
lo woody vine stratum was observed			_		

SOIL Sampling Point: DP-307

Profile Desc	ription: (Describe	to the de	oth needed to docu	ment the	indicator	or confirm	the absenc	e of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 18	5Y 5/1	75	5YR 4/6	25	С	PL / M	Clay	
_								
					-			
-								
	-							
		· ——		-				
-								
		· ·						
 		. ——						
		letion, RM	=Reduced Matrix, M	S=Maske	d Sand Gi	rains.		PL=Pore Lining, M=Matrix.
Hydric Soil								cators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				148)	Coast Prairie Redox (A16)
Black Hi			Thin Dark Sι			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		_	Piedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma					(MLRA 136, 147)
	ick (A10) (LRR N)	(4.4.4)	Redox Dark	,				Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da				_	Other (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depre			(I DD N		
	lucky Mineral (S1) (I \ 147, 148)	_KK N,	Iron-Mangan		ses (F12)	(LKK N,		
	Gleyed Matrix (S4)		MLRA 13 Umbric Surfa		/MI D A 1	26 122)	3 _{1r}	ndicators of hydrophytic vegetation and
	ledox (S5)		Piedmont Flo					vetland hydrology must be present,
-	Matrix (S6)		Red Parent I					inless disturbed or problematic.
	_ayer (if observed):		ited i aleilt i	viateriai (i	21) (IVILI	XA 121, 141	1	inless disturbed or problematic.
	zayer (ii observea).							
• • •								"" 10 Y Y
	ches):						Hyaric So	oil Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/County: Pittsylvania County	Sampling Date: 2024-10-10		
	e: Virginia Sampling Point: DP-308		
Investigator(s):KZ, LS Section, Township, Range: N/A			
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): C	onvex Slope (%): 2		
	.88 Datum: WGS 84		
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent slopes, severely eroded N			
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, e			
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circur			
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, t			
	ancosto, important routuros, stor		
Hydric Soil Present? Hydric Soil Present? Yes No V Is the Sampled Area			
within a Wetland?	Yes No <u>~</u>		
Wetland Hydrology Present? Yes No Remarks:			
hydric soil) were observed at this data point.			
HYDROLOGY Western Hydrology Indicators	adam da disatara (rainina na af tura na minad)		
	ndary Indicators (minimum of two required)		
	urface Soil Cracks (B6)		
	parsely Vegetated Concave Surface (B8)		
	 Drainage Patterns (B10) Moss Trim Lines (B16)		
	ry-Season Water Table (C2)		
	rayfish Burrows (C8)		
	aturation Visible on Aerial Imagery (C9)		
Algal Mat or Crust (B4) Other (Explain in Remarks) S	tunted or Stressed Plants (D1)		
	Seomorphic Position (D2)		
	hallow Aquitard (D3)		
	licrotopographic Relief (D4)		
<u> </u>	AC-Neutral Test (D5)		
Field Observations: Surface Water Present? Yes No Depth (inches):			
Water Table Present? Yes No Depth (inches):			
	ogy Present? Yes No		
(includes capillary fringe)	799 1 1050mt. 105 <u> </u>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			
No hydrology was observed at this data point.			
Two flydrology was observed at this data point.			

/EGETATION (Four Strata) – Use scientific	names of	plants.		Sampling Point: DP-308
	Absolute		Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
1				That Are OBL, FACW, or FAC: $\underline{0}$ (A)
2		· -		Total Number of Dominant Species Across All Strata: 2 (B)
				Species Across All Strata: 2 (B)
4 5				Percent of Dominant Species That Are OBL FACW or FAC: 0.00 (A/B)
6				That Are OBL, FACW, or FAC: 0.00 (A/B)
7				Prevalence Index worksheet:
·		= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cove	r:	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{0}{7}$ $x = \frac{0}{21}$
1				FAC species $\frac{7}{65}$ $\times 3 = \frac{21}{200}$
2				FACU species 65 $x 4 = 260$
3				UPL species $\frac{0}{72}$ $\times 5 = \frac{0}{291}$
4				Column Totals: <u>72</u> (A) <u>281</u> (B)
5	_			Prevalence Index = B/A = 3.90
6		·		Hydrophytic Vegetation Indicators:
7	_			1 - Rapid Test for Hydrophytic Vegetation
8	_			2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
F00/ - f4-4-1		= Total Co		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cove	r:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r 1. Schedonorus pratensis	30	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dactylis glomerata	30		FACU	
3 Andropogon gerardii	7		FAC	¹ Indicators of hydric soil and wetland hydrology must
4 Eupatorium capillifolium	5		FACU	be present, unless disturbed or problematic.
E	_			Definitions of Four Vegetation Strata:
6	_			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	70	= Total Co	ver	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>36.0</u>	0 20% of	total cove	r: 14.40	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2		·		
3				
4				Hydrophytic
5. <u> </u>				Vegetation Present? YesNo _
		= Total Co		Present? Yes No
50% of total cover:		total cove	r:	
Remarks: (Include photo numbers here or on a separate	sheet.)			
No tree, sapling/shrub, or woody vir	ne strata	were	observ	ed at this data point.
				•

Profile Desc	ription: (Describe	to the depti	n needed to document the i	ndicator or confirm	the absen	ce of indicators.)
Depth	Matrix		Redox Features	3		
(inches)	Color (moist)	%	Color (moist) %	Type ¹ Loc ²	Texture	Remarks
0 - 18	7.5YR 4/6	100			Silt Loar	n
_						
		· —— ·			-	
						
-						
		· —— ·				
-						
		·				
		· ——			-	
		letion, RM=I	Reduced Matrix, MS=Masked	Sand Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil						icators for Problematic Hydric Soils ³ :
Histosol			Dark Surface (S7)			2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surfa		148)	Coast Prairie Redox (A16)
Black Hi			Thin Dark Surface (S9)			(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)			(MLRA 136, 147)
	ick (A10) (LRR N)	(* 4 4)	Redox Dark Surface (F			Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dark Surface			Other (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depressions (Fi			
	lucky Mineral (S1) (I	LKK N,	Iron-Manganese Mass	es (F12) (LRR N,		
	147, 148)		MLRA 136)	MI DA 426 422)	3,	ndicators of hydrophytic vocatation and
	Gleyed Matrix (S4)		Umbric Surface (F13) (ndicators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Floodplain S			wetland hydrology must be present,
	Matrix (S6) _ayer (if observed):		Red Parent Material (F	21) (WILKA 121, 141	') 	unless disturbed or problematic.
• • •						
Depth (in	ches):				Hydric S	oil Present? Yes No
Remarks:						

Project/Site: Southeast Supply Enhancement Project City.	/County: Pittsylvania County Sampling Date: 2024-10-09
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-309
Investigator(s):KZ, LS Sec	
Landform (hillslope, terrace, etc.): Swale Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.60498465	
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 per	
Are climatic / hydrologic conditions on the site typical for this time of year?	·
Are Vegetation, Soil, or Hydrology significantly dist	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally probler	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hy soil) were observed at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide C	
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduc	
Sediment Deposits (B2) Recent Iron Reduct	
Drift Deposits (B3) Thin Muck Surface	(C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	

er	Dominance Test worksheet:Number of Dominant Species That Are OBL, FACW, or FAC:1(A)Total Number of Dominant Species Across All Strata:1(B)Percent of Dominant Species That Are OBL, FACW, or FAC:100.00(A/B)Prevalence Index worksheet:Total % Cover of:Multiply by:OBL species0x 1 = 0FACW species47x 2 = 94FAC species0x 3 = 0FACU species20x 4 = 80UPL species12x 5 = 60Column Totals:79(A)234Prevalence Index = B/A = 2.96Hydrophytic Vegetation Indicators:✓ 1 - Rapid Test for Hydrophytic Vegetation✓ 2 - Dominance Test is >50%✓ 3 - Prevalence Index is ≤3.01
er	That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 1 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 94 FACW species 0 x 3 = 0 FACU species 20 x 4 = 80 UPL species 12 x 5 = 60 Column Totals: 79 (A) 234 (B) Prevalence Index = B/A = 2.96 Hydrophytic Vegetation Indicators: V 1 - Rapid Test for Hydrophytic Vegetation V 2 - Dominance Test is >50%
er	Total Number of Dominant Species Across All Strata: 1 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 47 x 2 = 94 FAC species 0 x 3 = 0 FACU species 20 x 4 = 80 UPL species 12 x 5 = 60 Column Totals: 79 (A) 234 (B) Prevalence Index = B/A = 2.96 Hydrophytic Vegetation Indicators: V 1 - Rapid Test for Hydrophytic Vegetation V 2 - Dominance Test is >50%
er	Species Across All Strata: 1 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 47 x 2 = 94 FAC species 0 x 3 = 0 FACU species 20 x 4 = 80 UPL species 12 x 5 = 60 Column Totals: 79 (A) 234 (B) Prevalence Index = B/A = 2.96 Hydrophytic Vegetation Indicators: V 1 - Rapid Test for Hydrophytic Vegetation V 2 - Dominance Test is >50%
er	Percent of Dominant Species That Are OBL, FACW, or FAC: Total % Cover of: OBL species FACW species OBL sp
	That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 $x 1 = 0$ FACW species 0 $x 2 = 94$ FAC species 0 $x 3 = 0$ FACU species 0 $x 4 = 80$ UPL species 12 $x 5 = 60$ Column Totals: 0 (B) Prevalence Index = B/A = 0 Hydrophytic Vegetation Indicators: V 1 - Rapid Test for Hydrophytic Vegetation V 2 - Dominance Test is >50%
	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0
	OBL species 0 $x 1 = 0$ FACW species 47 $x 2 = 94$ FAC species 0 $x 3 = 0$ FACU species 20 $x 4 = 80$ UPL species 12 $x 5 = 60$ Column Totals: 79 (A) 234 (B) Prevalence Index = B/A = 2.96 Hydrophytic Vegetation Indicators: V 1 - Rapid Test for Hydrophytic Vegetation V 2 - Dominance Test is >50%
	FACW species $\frac{47}{0}$ \times 2 = $\frac{94}{0}$ \times 3 = $\frac{0}{0}$ \times 3 = $\frac{0}{0}$ FACU species $\frac{20}{12}$ \times 4 = $\frac{80}{0}$ UPL species $\frac{12}{79}$ \times 5 = $\frac{60}{234}$ (B) Prevalence Index = B/A = $\frac{2.96}{0}$ Hydrophytic Vegetation Indicators: \checkmark 1 - Rapid Test for Hydrophytic Vegetation \checkmark 2 - Dominance Test is >50%
 er	FAC species 0 $x 3 = 0$ FACU species 20 $x 4 = 80$ UPL species 12 $x 5 = 60$ Column Totals: 79 (A) 234 (B) Prevalence Index = B/A = 2.96 Hydrophytic Vegetation Indicators: V 1 - Rapid Test for Hydrophytic Vegetation V 2 - Dominance Test is >50%
	FACU species 20
	UPL species $\frac{12}{79}$ $x = \frac{60}{234}$ (B) Prevalence Index = B/A = $\frac{2.96}{4}$ Hydrophytic Vegetation Indicators: $\frac{\checkmark}{2}$ 1 - Rapid Test for Hydrophytic Vegetation $\frac{\checkmark}{2}$ 2 - Dominance Test is >50%
	Column Totals: 79 (A) 234 (B) Prevalence Index = B/A = 2.96 Hydrophytic Vegetation Indicators: v 1 - Rapid Test for Hydrophytic Vegetation v 2 - Dominance Test is >50%
	Prevalence Index = B/A = 2.96 Hydrophytic Vegetation Indicators: ✓ 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50%
 er	Prevalence Index = B/A = 2.96 Hydrophytic Vegetation Indicators: ✓ 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50%
 er	Hydrophytic Vegetation Indicators: ✓ 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50%
 er	1 - Rapid Test for Hydrophytic Vegetation2 - Dominance Test is >50%
 er	✓ 2 - Dominance Test is >50%
 er	1
	✓ 3 - Prevalence Index is ≤3.0¹
	4 - Morphological Adaptations ¹ (Provide supporting
	data in Remarks or on a separate sheet)
FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
	¹ Indicators of hydric soil and wetland hydrology must
	be present, unless disturbed or problematic.
	Definitions of Four Vegetation Strata:
	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
	more in diameter at breast height (DBH), regardless of
1,400	height.
	Sapling/Shrub – Woody plants, excluding vines, less
	than 3 in. DBH and greater than or equal to 3.28 ft (1
	m) tall.
	Herb – All herbaceous (non-woody) plants, regardless
	of size, and woody plants less than 3.28 ft tall.
13.60	Woody vine – All woody vines greater than 3.28 ft in
	height.
	Hydrophytic
	Vegetation
	Present? Yes V No
	FACU FACU FACU FACU FACU FACU er 15.80

SOIL Sampling Point: <u>DP-309</u>

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	S			•
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 8	2.5Y 4/2	60	7.5YR 4/6	40	С	PL / M	Sandy Loam	
8 - 18	2.5Y 5/2	65	7.5YR 4/6	20	С	М	Sandy Loam	
8 - 18			7.5YR 5/6	15	С	М	Sandy Loam	
_								
						·		
					-			
-		-				·		
1Type: C=Cc	ncentration D=Deni	letion PM:	=Reduced Matrix, MS	S=Masker		aine	² Location: PI	
Hydric Soil I		ieuon, Kivi	-Neduced Matrix, Mc	3-IVIASKE	J Sand Gi	airis.		ntors for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				cm Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Be		ice (S8) (N	ILRA 147.		oast Prairie Redox (A16)
Black His			Thin Dark Su					(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			, , , , , ,	Pi	iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		,			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		- 6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar		•			ther (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Depre					
Sandy M	lucky Mineral (S1) (L	.RR N,	Iron-Mangan	ese Mass	es (F12) (LRR N,		
MLRA	147, 148)		MLRA 13	6)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 13	6, 122)	³ Indi	cators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	8) we	tland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	Material (F	21) (MLR	A 127, 147	r) unl	ess disturbed or problematic.
Restrictive L	.ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes V No No
Remarks:							1	

Project/Site: Southeast Supply Enhancement Project Cit	ty/County: Pittsylvania County Sampling Date: 2024-10-09					
Applicant/Owner: Transcontinental Gas Pipeline Company, LLC						
Investigator(s):KZ, LS Section, Township, Range: N/A						
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope (%): 3-5						
Subregion (LRR or MLRA): P 136 Lat: 36.60500431 Long: -79.56253342 Datum: WGS 84						
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 pe						
Are climatic / hydrologic conditions on the site typical for this time of year?	? Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly dis	sturbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally proble						
	ampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No 🗸						
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V	Is the Sampled Area					
Wetland Hydrology Present?	within a Wetland? Yes No					
Remarks:						
hydric soil) were observed at this data point.	vetland hydrology, hydrophytic vegetation, or					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plan						
High Water Table (A2) Hydrogen Sulfide Saturation (A3) Oxidized Rhizospl	Odor (C1) Drainage Patterns (B10) heres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) — Valued Killzospi — Presence of Redu						
	ction in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface						
Algal Mat or Crust (B4) Other (Explain in F						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:					
Remarks:						
No hydrology was observed at this data poin	ıt.					

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-310
00.5		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Descrit of Descinant Coasias
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)
6				,
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species <u>5</u> x 2 = <u>10</u>
1				FAC species $0 \times 3 = 0$
2				FACU species 60 x 4 = 240
3				UPL species 10 x 5 = 50
				Column Totals: <u>75</u> (A) <u>300</u> (B)
4 5.				
•				Prevalence Index = B/A = 4.00
6				Hydrophytic Vegetation Indicators:
7			· ——	1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
500/ 51 1 1		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	40	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Andropogon virginicus			FACU	
2. Dactylis glomerata	15			¹ Indicators of hydric soil and wetland hydrology must
3. Plantago lanceolata	10		UPL	be present, unless disturbed or problematic.
4. Juncus effusus	5		FACW	Definitions of Four Vegetation Strata:
_{5.} Trifolium pratense	5		FACU	- W
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Carling/Chaub. Woods plants evaluating since less
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>37.50</u>				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				noight.
2				
3				
4				
5				Hydrophytic
J		= Total Cov		Vegetation Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s		total cover	<u> </u>	
No tree, sapling/shrub, or woody vine	•	were o	bserv	ed at this data point.

Profile Des	cription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 5	2.5Y 6/4	90	7.5YR 5/6	10	D	M	Sandy Loam	
				-				
-								
				-	-	· ——		
				-				
_								
				-	-	· ——	-	
-								
					-	· ——		
1- 0.0							2	
	oncentration, D=Dep	oletion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil				:				ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface		. =			cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				, 148) C	coast Prairie Redox (A16)
	istic (A3)		Thin Dark Su			147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
·	d Layers (A5)		Depleted Ma	, ,				(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da				0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (I	LRR N,	Iron-Mangan		ses (F12) (LRR N,		
	A 147, 148)		MLRA 13					
	Gleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Flo					tland hydrology must be present,
	d Matrix (S6)		Red Parent N	Material (I	=21) (MLR	A 127, 14	7) un	less disturbed or problematic.
	Layer (if observed):							
Type: Ro	ock							
Depth (in	ches): <u>5+</u>						Hydric Soil	Present? Yes No 🗸
Remarks:							1	

Project/Site: Southeast Supply Enhancement Project City/Cou	Inty: Pittsylvania County Sampling Date: 2024-10-15							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-311								
Investigator(s): JDF, MCS Section, Township, Range:								
_andform (hillslope, terrace, etc.): Upland, Swale Local relief (concave, convex, none): Concave Slope (%): 0-2								
Subregion (LRR or MLRA): P 136 Lat: 36.78807329 Long: -79.38305884 Datum: WGS 84								
	NWI classification: N/A							
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly disturbed?								
Are Vegetation, Soil, or Hydrology naturally problematic								
SUMMARY OF FINDINGS – Attach site map showing samp	ling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes V No								
Hydrio Soil Broomt?	s the Sampled Area							
Wetland Hydrology Present?	vithin a Wetland? Yes No							
Remarks:								
Only one (i.e., hydrophytic vegetation) of the three wetland parameters was satisfied at this data point.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic Plants (B1	4) Sparsely Vegetated Concave Surface (B8)							
High Water Table (A2) Hydrogen Sulfide Odor	(C1) Drainage Patterns (B10)							
Saturation (A3) Oxidized Rhizospheres								
Water Marks (B1) Presence of Reduced Ir								
Sediment Deposits (B2) Recent Iron Reduction i								
Drift Deposits (B3) Thin Muck Surface (C7)								
Algal Mat or Crust (B4) Other (Explain in Rema								
Iron Deposits (B5)	Geomorphic Position (D2)							
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13)	FAC-Neutral Test (D5)							
Field Observations: Surface Water Present? Yes No _ ✓ Depth (inches):								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches):								
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	ous inspections), if available:							
Remarks:								
No hydrology was observed at this data point.								

Sar	mnlir	na F	oin	t·	DP-31	1

20.4	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species _	
1. Acer rubrum	80		FAC	That Are OBL, FACW, or FAC: 5	A)
2. Quercus alba	30		FACU	Total Number of Dominant	
3. Fagus grandifolia	15		FACU	•	B)
4. Liquidambar styraciflua	5		FAC		
5. Nyssa sylvatica	5		FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 62.50	A/B)
6				That Ale OBE, I AOW, OF I AO.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
7.				Prevalence Index worksheet:	
	135	= Total Cov		Total % Cover of: Multiply by:	
50% of total cover: 67.50				OBL species <u>0</u> x 1 = <u>0</u>	
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 70 01	total covor.		FACW species $0 \times 2 = 0$	
1. Carya glabra	5	~	FACU	FAC species 146 x 3 = 438	
2. Juniperus virginiana	5		FACU	FACU species 58 x 4 = 232	
	5		FAC	UPL species 0 $x = 0$	
3. Nyssa sylvatica			FAC	004	(D)
4				Column Totals: 204 (A) 670	(B)
5				Prevalence Index = B/A = 3.28	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8					
9				✓ 2 - Dominance Test is >50%	
	15 :	= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹	
50% of total cover: 7.50		total cover:		4 - Morphological Adaptations ¹ (Provide suppo	orting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
1. Euonymus americanus	5	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain))
2 Smilax rotundifolia	5		FAC		
3. Quercus alba	2		FACU	¹ Indicators of hydric soil and wetland hydrology mu	ıst
4 Acer rubrum	1	-	FAC	be present, unless disturbed or problematic.	
·	1		FACU	Definitions of Four Vegetation Strata:	
5. Asplenium platyneuron			FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cn	a) or
6				more in diameter at breast height (DBH), regardles	
7				height.	
8				Continue/Charle Mondy plants evaluating vines le	
9				Sapling/Shrub – Woody plants, excluding vines, lethan 3 in. DBH and greater than or equal to 3.28 ft	(1
10				m) tall.	(.
11.				House All books assure (non-viscosis) intents, respectively	
	14	= Total Cov		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.	iess
50% of total cover: 7.00		total cover:		of olze, and weedy plante loss than c.25 it tall.	
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft	in
1 Smilax rotundifolia	40	/	FAC	height.	
•			· <u>///</u>		
2					
3					
4				Hydrophytic	
5				Vegetation	
		= Total Cov		Present? Yes No	
50% of total cover: 20.00	20% of	total cover:	8.00		
Remarks: (Include photo numbers here or on a separate s	neet.)				

Profile Desc	ription: (Describe	to the de	pth needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)			
Depth	Matrix			x Feature	es						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0 - 4	10YR 4/3	100			_		Loam				
4 - 18	2.5YR 4/6	60	10YR 4/3	40	D	М	Clay Loam				
		_			_						
		-			_						
					_						
					_						
-											
		_			_						
		_			_						
		_									
1Type: C=C	oncentration D=Der	letion PM	1=Reduced Matrix, M	S=Maska	d Sand Gr	aine	² l ocation: Pl	.=Pore Lining, M=Matrix.			
Hydric Soil		netion, raiv	I-Reduced Matrix, M	3-IVIASKE	u Sanu Gi	airis.		tors for Problematic Hydric Soils ³ :			
Histosol			Dark Surface	(97)				cm Muck (A10) (MLRA 147)			
	oipedon (A2)		Polyvalue Be		ace (S8) (I	MI RΔ 147		past Prairie Redox (A16)			
	stic (A3)		Thin Dark Su					(MLRA 147, 148)			
	en Sulfide (A4)		Loamy Gleye			· · · · , · · · · · ,		edmont Floodplain Soils (F19)			
	d Layers (A5)		Depleted Ma		(- –)			(MLRA 136, 147)			
	uck (A10) (LRR N)		Redox Dark	, ,	F6)			ery Shallow Dark Surface (TF12)			
	d Below Dark Surfac	e (A11)	Depleted Da					ther (Explain in Remarks)			
	ark Surface (A12)	, ,	Redox Depre					, ,			
	Mucky Mineral (S1) (LRR N,	Iron-Mangan			(LRR N,					
	A 147, 148)		MLRA 13								
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ace (F13)	(MLRA 13	36, 122)	³ Indi	cators of hydrophytic vegetation and			
	Redox (S5)		Piedmont Flo	Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present,							
Stripped	Matrix (S6)		Red Parent I	Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic.							
Restrictive	Layer (if observed)										
Type:											
Depth (in	ches):						Hydric Soil	Present? Yes No 🗸			
Remarks:	,		<u></u>								
rtomanto.											

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2024-10-15							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-312								
Investigator(s):JDF, MCS Section, Township, Range:								
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-1								
Subregion (LRR or MLRA): P 136 Lat: 36.78768404								
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent s								
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	s No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 🚩 No								
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.							
Hydric Soil Present?	Is the Sampled Area within a Wetland? Yes No							
Wetland Hydrology Present? Yes No 🗸								
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point. HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic Plants (B								
High Water Table (A2) Hydrogen Sulfide Odo								
Saturation (A3) Oxidized Rhizosphere:								
Water Marks (B1) Presence of Reduced								
Sediment Deposits (B2) Recent Iron Reduction								
Drift Deposits (B3) Thin Muck Surface (C7								
Algal Mat or Crust (B4) Other (Explain in Rem	arks) Stunted or Stressed Plants (D1)							
Iron Deposits (B5)	Geomorphic Position (D2)							
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No Depth (inches):								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ious inspections), if available:							
Remarks:								
No hydrology was absented at this data point								
No hydrology was observed at this data point.								

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
				Total Number of Dominant Species Across All Strata: 1 (B)
				(2)
				Percent of Dominant Species That Are OBL_FACW_or_FAC: 0.00 (A/B
				That Are OBL, FACW, or FAC: 0.00 (A/B
)				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
FOO/ of total covery		= Total Cove		OBL species 0 $x 1 = 0$
50% of total cover:	20% 01	total cover.		FACW species $0 x 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species $\frac{2}{2}$ $x = \frac{6}{6}$
				FACU species 97 x 4 = 388
)				
3				· · · · · · · · · · · · · · · · · · ·
l				Column Totals: 99 (A) 394 (B)
5				Prevalence Index = B/A = 3.97
S				Hydrophytic Vegetation Indicators:
7				
3				1 - Rapid Test for Hydrophytic Vegetation
)				2 - Dominance Test is >50%
		= Total Cove		3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Humulus japonicus	95	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Rumex crispus	2		FAC	
Sorghum halepense	2		FACU	¹ Indicators of hydric soil and wetland hydrology must
·				be present, unless disturbed or problematic.
ł				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
ò				more in diameter at breast height (DBH), regardless of
7				height.
3				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
l1				Herb – All herbaceous (non-woody) plants, regardless
	99 =	= Total Cove	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 49.50 Noody Vine Stratum (Plot size: 30 ft r	20% of	total cover:	19.80	Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
		= Total Cove		Present? Yes No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	neet.)			
No tree, sapling/shrub, or woody vine	strata	Were c	heerw	ed at this data point
				cu ai 11113 uaia vullil.
to tree, supling, sindb, or woody vine	Strata	******	DOC! V	od at tino data ponit.

Profile Desc	ription: (Describe	to the de	pth needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)		
Depth	Matrix			x Feature						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks		
0 - 5	10YR 4/3	100			_		Loam			
5 - 18	10YR 5/3	85	7.5YR 4/6	15	С	M	Clay Loam			
				-	-					
	-									
-										
		-	· 		-					
		-	· 							
¹Type: C=Co	oncentration, D=Dep	letion, RM	/I=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	² Location: PL	_=Pore Lining, M=Matrix.		
Hydric Soil I		,	, , , , , , , , , , , , , , , , , , , ,					tors for Problematic Hydric Soils ³ :		
Histosol	(A1)		Dark Surface	e (S7)			2	cm Muck (A10) (MLRA 147)		
	pipedon (A2)		Polyvalue Be		ace (S8) (I	VILRA 147		past Prairie Redox (A16)		
Black Hi			Thin Dark Su					(MLRA 147, 148)		
Hydroge	n Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		Pi	edmont Floodplain Soils (F19)		
	I Layers (A5)		Depleted Ma	. ,				(MLRA 136, 147)		
	ck (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)		
	Below Dark Surfac	e (A11)	Depleted Da				O	ther (Explain in Remarks)		
	ark Surface (A12)	I DD N	Redox Depre			(LDD N				
	lucky Mineral (S1) (I . 147, 148)	LKK N,	Iron-Mangar		ses (F12) ((LKK N,				
	leyed Matrix (S4)		MLRA 13		/MI RΔ 11	36 122)	³ Indi	cators of hydrophytic vegetation and		
	edox (S5)			 Umbric Surface (F13) (MLRA 136, 122) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, 						
-	Matrix (S6)			Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic.						
	ayer (if observed)			(-	/ (,	1			
	,									
	ches):						Hydric Soil	Present? Yes No 🗸		
Remarks:							11,411.0 0011	1000		
Remarks.										

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-10-15						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-313						
Investigator(s) JDF, MCS Sec	tion, Township, Range:						
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-1							
Subregion (LRR or MLRA): P 136 Lat: 36.78778444 Long: -79.380294 Datum: WGS 84							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percen							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally probler							
	mpling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No						
All three wetland parameters (i.e., wetland hysoils) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric						
HYDROLOGY	Consender Undicators (minimum of two sequired)						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants Hydrogen Sulfide O							
	dor (C1) Drainage Patterns (B10) eres on Living Roots (C3) Moss Trim Lines (B16)						
Saturation (A3) Oxidized Rnizospire Water Marks (B1) Presence of Reduce							
Sediment Deposits (B2) — Recent Iron Reduct — Recent Iron Reduct							
Drift Deposits (B3) Thin Muck Surface							
Algal Mat or Crust (B4) Other (Explain in Re							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, principle (includes capillary fringe)	revious inspections) if available:						
Describe Necorded Data (stream gauge, monitoring well, aerial priotos, pi	evious inspections), ii available.						
Remarks:							

Sampling	Point:	DP-313
Januaria	ı Ollit.	

00.5	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species _
1. Acer rubrum	85		FAC	That Are OBL, FACW, or FAC: 5 (A)
2. Salix nigra	15		OBL	Total Number of Dominant
3. Ulmus rubra	5		FAC	Species Across All Strata: 8 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 62.50 (A/B)
6				(VB)
7.				Prevalence Index worksheet:
	105	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: <u>52.50</u>				OBL species <u>18</u> x 1 = <u>18</u>
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 1 x 2 = 2
1 Acer rubrum	15	~	FAC	FAC species 133 x 3 = 399
2. Ulmus rubra	5		FAC	FACU species 67
				UPL species $0 \times 5 = 0$
3				Column Totals: 219 (A) 687 (B)
4				(1)
5				Prevalence Index = $B/A = 3.13$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0¹
	20	= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 10.00	20% of	total cover:	4.00	
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Chasmanthium latifolium	15	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Acer rubrum	5	V	FAC	
3. Humulus japonicus	5	~	FACU	¹Indicators of hydric soil and wetland hydrology must
4 Persicaria hydropiper	3		OBL	be present, unless disturbed or problematic.
5. Lonicera japonica	2		FACU	Definitions of Four Vegetation Strata:
6. Quercus phellos	2		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Microstegium vimineum	-		FAC	more in diameter at breast height (DBH), regardless of
8 Symphyotrichum lanceolatum	<u>†</u>		FACW	height.
<u> </u>	<u> </u>		17011	Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>17.00</u>	20% of	total cover:	6.80	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1. Lonicera japonica	45		FACU_	
2. Campsis radicans	15		FAC	
3				
4				Lludvanhutia
5.				Hydrophytic Vegetation
	60	= Total Cov	<u></u>	Present? Yes V No No
50% of total cover: <u>30.00</u>		total cover:		
Remarks: (Include photo numbers here or on a separate si				
remarks. (modae priote nambers here of on a separate si	11001.)			
				I

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	indicator	or confirm	the absence	of indicators.)
Depth							•	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 2	10YR 3/3	100					Loam	
2 - 7	10YR 5/3	75	7.5YR 4/6	25	С	PL / M	Clay Loam	
7 - 18	10YR 5/2	60	7.5YR 3/4	40	С	PL / M	Clay Loam	
					-			
	_							
					-			
	_							
¹Type: C=Cc	oncentration, D=Dep	letion, RM	=Reduced Matrix, Ms	S=Masked	d Sand Gra	ains.	² Location: Pl	_=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:							tors for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)
Black His			Thin Dark Su			47, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		Pi	edmont Floodplain Soils (F19)
	Layers (A5)		<u>✓</u> Depleted Ma	. ,	-0)			(MLRA 136, 147)
	ck (A10) (LRR N) I Below Dark Surface	- (Δ11)	Redox Dark	•				ery Shallow Dark Surface (TF12) ther (Explain in Remarks)
	rk Surface (A12)	J (ATT)	Redox Depre					ther (Explain in Remarks)
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan			LRR N,		
	147, 148)	,	MLRA 13		· / ·	,		
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 13	6, 122)	³ Indi	cators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7) unl	ess disturbed or problematic.
Restrictive L	.ayer (if observed):							
Туре:								
Depth (inc	ches):						Hydric Soil	Present? Yes V No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City	y/County: Pittsylvania County Sampling Date: 2024-10-15					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC						
Investigator(s):KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 2-4						
	Long:79.38038865 Datum: WGS 84					
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percei						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly dist	turbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally proble						
	ampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No Yes No No Remarks:	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plant						
High Water Table (A2) Hydrogen Sulfide (
	neres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduc						
	ction in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface						
Algal Mat or Crust (B4) Other (Explain in R						
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2)					
✓ Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:	17.6 Nedada Fest (56)					
Surface Water Present? Yes No Depth (inches):1						
Water Table Present? Yes No Depth (inches): 0						
Saturation Present? Yes V No Depth (inches): 0						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections), ir available:					
Remarks:						

Sampling	Point:	DP-314
Samulinu	r Oll It.	

20.4	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species _	
1. Acer rubrum	90		FAC	That Are OBL, FACW, or FAC: 5	(A)
2. Carpinus caroliniana	5		FAC	Total Number of Dominant	
3. Liriodendron tulipifera	5		FACU		B)
4.					,
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00	A/B)
6				That Are OBL, I ACW, OF I AC.	A(b)
7				Prevalence Index worksheet:	
1	100			Total % Cover of: Multiply by:	
50% of total cover: 50.00		= Total Cov		OBL species $0 x 1 = 0$	
	20 /0 01	iolai covei.		FACW species 12 x 2 = 24	
Sapling/Shrub Stratum (Plot size: 15 ft r) 1. Carpinus caroliniana	15	V	FAC	FAC species 167 x 3 = 501	
	10		FAC	FACU species 5 x 4 = 20	
2. Acer rubrum					
3. Fraxinus pennsylvanica	2		FACW	404 545	
4				Column Totals: 184 (A) 545	(B)
5				Prevalence Index = B/A = 2.96	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8					
9				✓ 2 - Dominance Test is >50%	
	27 :	= Total Cov	<u></u>	✓ 3 - Prevalence Index is ≤3.0 ¹	
50% of total cover: 13.50				4 - Morphological Adaptations ¹ (Provide suppo	orting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
1. Microstegium vimineum	20	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain))
2. Boehmeria cylindrica	5		FACW		
3 Impatiens capensis	5		FACW	¹ Indicators of hydric soil and wetland hydrology mu	ıst
4 Cryptotaenia canadensis	2		FAC	be present, unless disturbed or problematic.	
"				Definitions of Four Vegetation Strata:	
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cn	n) or
6				more in diameter at breast height (DBH), regardles	
7				height.	
8				Sapling/Shrub – Woody plants, excluding vines, le	222
9				than 3 in. DBH and greater than or equal to 3.28 ft	(1
10				m) tall.	
11				Herb – All herbaceous (non-woody) plants, regardl	عوا
	32	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.	1033
50% of total cover: 16.00	20% of	total cover:	6.40		
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft	in
1 Smilax rotundifolia	25	~	FAC	height.	
2.					
3					
4				Hydrophytic	
5	25			Vegetation Present? Yes ✓ No	
50% of total course. 12 50		= Total Cov		100 NO	
50% of total cover: 12.50		total cover:			
Remarks: (Include photo numbers here or on a separate si	heet.)				

Profile Desc	ription: (Describe	to the dep	th needed to docun	nent the i	indicator	or confirm	the absence	e of indicators.)
Depth	Matrix			x Feature	S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 3/1	100					Silt Loam	
4 - 18	10YR 3/2	95	5YR 4/6	5	С	PL / M	Silt Loam	
_								
	-							
1Typo: C=C	neontration D=Don	lotion DM	=Reduced Matrix, MS		N Sand Gr	nine	² Location: D	PL=Pore Lining, M=Matrix.
Hydric Soil I		ielion, Rivi	-Reduced Matrix, MS	s=iviasket	Sand Gr	airis.		ators for Problematic Hydric Soils ³ :
-			Dark Surface	(87)				•
Histosol	ipedon (A2)		Dark Surface Polyvalue Be		co (SS) (N	II D A 1 <i>1</i> 7		2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16)
Black Hi			Thin Dark Su				140) ((MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			47, 140)	E	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mat		(1 2)			(MLRA 136, 147)
	ck (A10) (LRR N)		✓ Redox Dark S	. ,	-6)		\	/ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar					Other (Explain in Remarks)
	rk Surface (A12)	,	Redox Depre					,
	lucky Mineral (S1) (L	RR N,	Iron-Mangane			LRR N,		
	147, 148)		MLRA 130	6)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 13	6, 122)	³ Inc	dicators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	8) we	etland hydrology must be present,
	Matrix (S6)		Red Parent M	1aterial (F	21) (MLR	A 127, 147	7) un	nless disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil	I Present? Yes <u>✓</u> No
Remarks:							1	

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-10-15						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-315						
Investigator(s):KZ Section, Township, Range:							
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 2							
Subregion (LRR or MLRA): P 136 Lat: 36.78732334							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent							
Are climatic / hydrologic conditions on the site typical for this time of year?	res V No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problem							
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes V No							
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No Yes No	Is the Sampled Area						
Wetland Hydrology Present? Yes No	within a Wetland? Yes No						
Remarks:							
Only one (i.e., hydrophytic vegetation) of the three wetland parameters was satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)							
High Water Table (A2) Hydrogen Sulfide Oc							
Saturation (A3) Oxidized Rhizospher							
Water Marks (B1) Presence of Reduce							
Sediment Deposits (B2) Recent Iron Reduction							
Drift Deposits (B3) Thin Muck Surface (Algal Mat or Crust (B4) Other (Explain in Re							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	evious inspections) if available:						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							
No hydrology was observed at this data point.							

Sampling	Point:	DP-315
Januaria	ı Ollit.	

00.6	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Acer rubrum	90		FAC	That Are OBL, FACW, or FAC: 4 (A)
2. Liriodendron tulipifera	15		FACU	Total Number of Dominant
3. Carpinus caroliniana	10		FAC	Species Across All Strata: 7 (B)
4. Quercus alba	10		FACU	Dancart of Dancin and On a size
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 57.14 (A/B)
6		·		(VB)
7				Prevalence Index worksheet:
	125	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 62.50				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 x 2 = 0$
1. Diospyros virginiana	20	~	FAC	FAC species 187 x 3 = 561
2. Carya glabra	10		FACU	FACU species 88
3. Nyssa sylvatica	2		FAC	UPL species 0 $x = 0$
			1710	Column Totals: 275 (A) 913 (B)
4				Column Totals (A) (B)
5				Prevalence Index = $B/A = 3.32$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	32	= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 16.00	20% of	total cover:	6.40	— · · · · · · · · · · · · · · · · · ·
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Polystichum acrostichoides	35	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Athyrium asplenioides	20	~	FAC	
3. Bignonia capreolata	10	-	FAC	¹ Indicators of hydric soil and wetland hydrology must
4 Cryptotaenia canadensis	10	-	FAC	be present, unless disturbed or problematic.
5. Smilax rotundifolia	10	-	FAC	Definitions of Four Vegetation Strata:
6. Lonicera japonica	3		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
· · ·				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>44.00</u>	20% of	total cover:	17.60	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1. Hedera helix	15	'	FACU	-
2. Smilax rotundifolia	15	<u> </u>	FAC	
3				
4				
5.				Hydrophytic Vegetation
	30	= Total Cov		Present? Yes V No No
50% of total cover: 15.00		total cover:		
Remarks: (Include photo numbers here or on a separate si				
Tremains. (include prote numbers here of on a separate si	nect.)			

Profile Desc	ription: (Describe	to the dep	th needed to docum	nent the i	ndicator	or confirm	the abse	ence of indicat	ors.)	
Depth	Matrix			x Feature						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Textu	<u>e</u>	Remarks	<u> </u>
0 - 5	10YR 4/4	100					Loam			
5 - 18	10YR 4/4	100					Silty Clay L	.oam		
	-				-		-			-
_										
		·								
		· ——								
1Type: C=C	ncentration D=Den	letion PM:	=Reduced Matrix, MS	S=Macked	I Sand Gr		² Locatio	n: PL=Pore Lin	ing M=Matrix	
Hydric Soil		iction, ixivi	-reduced Matrix, Mc)-IVIASKEC	Janu Ore	aii i 3.		ndicators for P		
Histosol			Dark Surface	(\$7)			-	2 cm Muck (-
	oipedon (A2)		Polyvalue Be		ce (S8) (N	II RΔ 147	148)	Coast Prairie		
	stic (A3)		Thin Dark Su				140, _	(MLRA 14	•	,,
	n Sulfide (A4)		Loamy Gleye			,,		•	oodplain Soil	s (F19)
	Layers (A5)		Depleted Mar		/		_	(MLRA 1	•	o ()
	ick (A10) (LRR N)		Redox Dark S		6)			•	w Dark Surfac	ce (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar	•	•		_		ain in Remark	, ,
	ark Surface (A12)	, ,	Redox Depre				_	_ ` ` '		,
Sandy M	lucky Mineral (S1) (L	_RR N,	Iron-Mangan	ese Mass	es (F12) (I	_RR N,				
MLRA	\ 147, 148)		MLRA 13	6)						
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 13	6, 122)		3Indicators of h	ydrophytic ve	egetation and
Sandy R	ledox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	l8)	wetland hydro	ology must be	e present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7)	unless disturb	oed or proble	matic.
Restrictive I	_ayer (if observed):									
Type:										
Depth (inc	ches):						Hydric	Soil Present?	Yes	No <u> </u>
Remarks:										
rtomanto.										

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-12-03						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-316						
Investigator(s):JDF, MCS Sec	tion, Township, Range:						
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 2							
Subregion (LRR or MLRA): P 136 Lat: 36.787777 Long:79.380312 Datum: WGS 84							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percen							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturbed?							
Are Vegetation, Soil, or Hydrology naturally probler							
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No							
Hydric Soil Present? Yes V No	Is the Sampled Area within a Wetland? Yes ✓ No						
Wetland Hydrology Present? Yes V No	within a wetiand?						
Remarks:							
All three wetland parameters (i.e., wetland hydrole	ogy, hydrophytic vegetation, and hydric soils) were						
satisfied at this data point. Data point was confine	ed to the area hagged as a PFO wetland.						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide O							
Saturation (A3) Oxidized Rhizosphe	eres on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduce	ed Iron (C4) Dry-Season Water Table (C2)						
Sediment Deposits (B2) Recent Iron Reduct	ion in Tilled Soils (C6) Crayfish Burrows (C8)						
Drift Deposits (B3) Thin Muck Surface	(C7) Saturation Visible on Aerial Imagery (C9)						
Algal Mat or Crust (B4) Other (Explain in Re							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes V No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							

Sampling	Point:	DP-316
Sambilliu	r Oll It.	

20.4	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species	
1. Acer rubrum	95		FAC	That Are OBL, FACW, or FAC: 3	(A)
2				Total Number of Dominant	
3					(B)
4					` ,
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 60.00	(A/B)
6.				That Ale OBL, I ACW, OI I AC.	(A/D)
7				Prevalence Index worksheet:	
<i>1</i>	95	= Total Cov		Total % Cover of: Multiply by:	
50% of total cover: 47.50				OBL species 15 x 1 = 15	
Sapling/Shrub Stratum (Plot size: 15 ft r)	2070 01	total oover.		FACW species <u>6</u> x 2 = <u>12</u>	
1. Ligustrum sinense	20	~	FACU	FAC species 157 $\times 3 = 471$	
	15		OBL	FACU species 74	
2. Alnus serrulata				UPL species 0 x 5 = 0	
3. Fraxinus pennsylvanica	5		FACW	050 704	(D)
4. Rosa multiflora			FACU	Column Totals: 252 (A) 794	(B)
5. Carpinus caroliniana			FAC	Prevalence Index = B/A = 3.15	
6. Celtis occidentalis	2		FACU	Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8				1 — · · · · · · · ·	
9				✓ 2 - Dominance Test is >50%	
	49	= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹	
50% of total cover: 24.50				4 - Morphological Adaptations ¹ (Provide suppo	orting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
1. Microstegium vimineum	50	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain))
2. Potentilla indica	10		FACU		
3. Viola sororia	10		FAC	¹ Indicators of hydric soil and wetland hydrology mu	ust
	5		FACU	be present, unless disturbed or problematic.	
4. Lonicera japonica	2			Definitions of Four Vegetation Strata:	
5. Parthenocissus quinquefolia			FACU	Tree Mondy plants evaluding vince 2 in (7.6 or	m) or
6. Persicaria maculosa	1		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cr more in diameter at breast height (DBH), regardles	
7				height.	
8				Continue (Clause NA) and a planta avaluation a visual a	
9				Sapling/Shrub – Woody plants, excluding vines, lethan 3 in. DBH and greater than or equal to 3.28 ft	ess · (1
10				m) tall.	. (.
11.					
	78	= Total Cov		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	iess
50% of total cover: <u>39.00</u>		total cover:			
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 0.	total oovor.		Woody vine – All woody vines greater than 3.28 ft	t in
1 Lonicera japonica	30	,	FACU	height.	
•			17100		
2					
3					
4				Hydrophytic	
5				Vegetation	
		= Total Cov		Present? Yes No	
50% of total cover: 15.00	20% of	total cover:	6.00		
Remarks: (Include photo numbers here or on a separate sl	heet.)				

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 8	7.5YR 4/4	70	10YR 4/2	30	D	М	Clay Loam	
8 - 18	10YR 4/2	85	7.5YR 4/4	15	С	М	Clay Loam	
		<u> </u>			_			
					_			
					_	- ——		
					_			
-								
						<u> </u>		
1 _{T. max} C-C			I-Daduard Matrix M		- <u> </u>		21	U - Dans Lining M-Matrix
Hydric Soil		pietion, Riv	I=Reduced Matrix, MS	5=IVIaske	d Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			Dowle Conford	(07)				-
Histosol	(A1) pipedon (A2)		Dark Surface		(CO) /	ALDA 447		cm Muck (A10) (MLRA 147)
	stic (A3)		Polyvalue Be Thin Dark Su				, 140) (Coast Prairie Redox (A16) (MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			147, 140)	_	Piedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma		(1 2)		<u> </u>	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	. ,	F6)		\	/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dai					Other (Explain in Remarks)
	ark Surface (A12)	,	Redox Depre					
	Mucky Mineral (S1) (LRR N,	Iron-Mangan			LRR N,		
-	A 147, 148)		MLRA 13		. ,	•		
Sandy G	Gleyed Matrix (S4)		Umbric Surfa	ice (F13)	(MLRA 13	36, 122)	³ Inc	licators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Flo	odplain S	Soils (F19)	(MLRA 14	48) we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	Material (F21) (MLR	A 127, 147	7) un	lless disturbed or problematic.
Restrictive	Layer (if observed)	:						
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes V No
Remarks:	·							

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-12-03					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-317					
Investigator(s):JDF, MCS Section	on, Township, Range:					
Landform (hillslope, terrace, etc.): Floodplain Local rel						
	Long: -79.380074 Datum: WGS 84					
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent						
•						
Are climatic / hydrologic conditions on the site typical for this time of year? Y						
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓					
Wetland Hydrology Present? Yes No ✔	within a Wetland? Yes No					
Remarks:						
Only one (i.e., hydrophytic vegetation) of the t	prop wotland parameters was satisfied at this					
	nee wettand parameters was satisfied at this					
data point.						
LIVEROLOGY						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od						
	es on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reduction This Music Surface (C2)						
Drift Deposits (B3) Thin Muck Surface (C Algal Mat or Crust (B4) Other (Explain in Rer						
Algal Mat or Crust (B4) Other (Explain in Rer Iron Deposits (B5)	marks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5)						
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
No hydrology was observed at this data point.						
The my an energy made about the act and act and permanent						

Sampling	Point:	DP-317
Sambilliu	r Oll It.	

20.4	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species	
1. Acer rubrum	60		FAC	That Are OBL, FACW, or FAC: 5	A)
2. Betula nigra	20		FACW	Total Number of Dominant	
3. Carpinus caroliniana	10		FAC		В)
4				Demonstrat Demoissant Operation	
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 62.50 (A/B)
6					,
7.				Prevalence Index worksheet:	
	90	= Total Cov	<u></u> er	Total % Cover of: Multiply by:	
50% of total cover: 45.00				OBL species <u>0</u> x 1 = <u>0</u>	
Sapling/Shrub Stratum (Plot size: 15 ft r		•		FACW species <u>25</u> x 2 = <u>50</u>	
1. Carpinus caroliniana	15	~	FAC	FAC species $124 x 3 = 372$	
2. Diospyros virginiana	15		FAC	FACU species 64 x 4 = 256	
3. Ligustrum sinense	10		FACU	UPL species 2 x 5 = 10	
4. Ailanthus altissima	5		FACU	215 600	(B)
5 Acer rubrum	2		FAC	()	(5)
•			1 40	Prevalence Index = B/A = 3.20	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8				✓ 2 - Dominance Test is >50%	
9				3 - Prevalence Index is ≤3.0¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Provide suppo	rting
50% of total cover: 23.50	20% of	total cover:	9.40	data in Remarks or on a separate sheet)	rung
Herb Stratum (Plot size: 5 ft r)				· · · · · · · · · · · · · · · · · · ·	
1. Lonicera japonica	15		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)	
2. Cryptotaenia canadensis	15	✓	FAC		
3. Potentilla indica	10		FACU	¹Indicators of hydric soil and wetland hydrology mus	st
4 Microstegium vimineum	5		FAC	be present, unless disturbed or problematic.	
5 Persicaria maculosa	5		FACW	Definitions of Four Vegetation Strata:	
6. Stellaria media	2		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm	n) or
7 Parthenocissus quinquefolia	2		FACU	more in diameter at breast height (DBH), regardles	s of
8. Hedera helix	2		FACU	height.	
	2		FAC	Sapling/Shrub – Woody plants, excluding vines, le	ess
9. Toxicodendron radicans			FAC	than 3 in. DBH and greater than or equal to 3.28 ft	(1
10				m) tall.	
11				Herb – All herbaceous (non-woody) plants, regardle	ess
		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 29.00	20% of	total cover:	11.60	Woody vine – All woody vines greater than 3.28 ft	in
Woody Vine Stratum (Plot size: 30 ft r)				height.	
1. Lonicera japonica	20		FACU_		
2					
3					
4				Livelnembysie	
5.				Hydrophytic Vegetation	
	20 :	= Total Cov	er	Present? Yes V No No	
50% of total cover: 10.00		total cover:			
Remarks: (Include photo numbers here or on a separate sl					
Tremains. (include photo numbers here of on a separate si	noct.)				

Profile Desc	ription: (Describe	to the dep	th needed to docun	nent the i	indicator	or confirn	n the absenc	e of indicators.)
Depth Matrix Redox Features								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 14	5YR 4/4	100					Clay Loam	
14 - 18	10YR 4/3	80	5YR 4/4	20	С	М	Clay Loam	
					-		·	
						-	-	
_								
_								
1Type: C=C	oncentration D=Deni	letion RM:	=Reduced Matrix, MS	S=Masker	Sand Gr	aine	² Location: I	PL=Pore Lining, M=Matrix.
Hydric Soil		ieuon, Kivi	-Neduced Matrix, Mc)-IVIASKE	J Saliu Gi	ali 15.		cators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(\$7)				2 cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ce (S8) (N	II RA 147		Coast Prairie Redox (A16)
Black Hi			Thin Dark Su					(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			,,		Piedmont Floodplain Soils (F19)
	l Layers (A5)		Depleted Mat		,			(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	Surface (F	- 6)			Very Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar					Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan		es (F12) (LRR N,		
	147, 148)		MLRA 13		(BAL D.A. 40	0 400\	31	dia tana af harda ahadia aa aa ta'aa aa d
-	Sleyed Matrix (S4)		Umbric Surfa					dicators of hydrophytic vegetation and
-	edox (S5) Matrix (S6)		Piedmont Flo Red Parent N					retland hydrology must be present, nless disturbed or problematic.
	_ayer (if observed):		Neu Faieiit ii	nateriai (i	Z1) (WILK	A 121, 141	r) u	niess distarbed of problematic.
	-ayer (ii observea).							
Type:	- L V							il Present? Yes No
	ches):						Hydric So	il Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-11-01
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-326
W7 15	tion, Township, Range:
Landform (hillslope, terrace, etc.): Floodplain Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.80598191	
Soil Map Unit Name: 41A - Hatboro silt loam, 0 to 2 percent slop	pes, frequently flooded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: All three wetland parameters (i.e., wetland hydrology)	Is the Sampled Area within a Wetland? Yes No drology, hydrophytic vegetation, and hydric
soils) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide O	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reducti	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	
3g., y	
Remarks:	

Sampli	ina	Point:	DP-326
Januar	II IU	ı Ollit.	

20.6		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Dravelance Index weeksheets
7				Prevalence Index worksheet:
		Total Cove		Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:_		OBL species 15 x 1 = 15
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{75}{47}$ x 2 = $\frac{150}{51}$
1				FAC species $\frac{17}{x^2}$ $x = \frac{51}{x^2}$
2				FACU species 15 x 4 = 60
3				UPL species <u>0</u>
4				Column Totals: 122 (A) 276 (B)
5				
6				Prevalence Index = B/A = 2.26
7				Hydrophytic Vegetation Indicators:
				✓ 1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0¹
EOO/ of total covers		Total Cove		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% 01	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	60	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Lysimachia nummularia				
2. Carex lurida	15		OBL	¹ Indicators of hydric soil and wetland hydrology must
3. Coleataenia anceps	10		FAC	be present, unless disturbed or problematic.
4. Juncus effusus	10		FACW	Definitions of Four Vegetation Strata:
5. Schedonorus arundinaceus	10		FACU	
6. Ranunculus repens	5		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7. Symphyotrichum lateriflorum	5		FACW	height.
8. Trifolium repens	5		FACU	
9. Echinochloa crus-galli	2		FAC	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11.				
	122	Total Cove		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 61.00				or oles, and woody plants loss than oles it tall.
Woody Vine Stratum (Plot size: 30 ft r)		<u>-</u>		Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
50% of total cover:		= Total Cove		10010
		lotal cover		
Remarks: (Include photo numbers here or on a separate s	neet.)			
No tree, sapling/shrub, or woody vine	e strata	were o	bserv	ed at this data point.
				·

Profile Desc	ription: (Describe	to the dep	th needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature				_
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 4	10YR 4/3	80	7.5YR 4/6	20	<u>C</u>	<u>M</u>	Loam	
4 - 16	10YR 5/2	70	7.5YR 4/6	30	<u>C</u>	PL / M	Clay Loam	
16 - 24	10YR 5/2	58	7.5YR 4/6	40	<u>C</u>	PL / M	Clay Loam	
16 - 24	_		7.5YR 5/8	2	С	M	Clay Loam	Secondary redox feature.
-								
_	-							
		-						
		-			-			
1							2	
'Type: C=Co		letion, RM:	=Reduced Matrix, MS	S=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			Dark Surface	(87)				
Histosol	pipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147.		cm Muck (A10) (MLRA 147) oast Prairie Redox (A16)
Black His			Thin Dark Su				,	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		F2)		P	iedmont Floodplain Soils (F19)
	I Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ck (A10) (LRR N)	· (A11)	Redox Dark S					ery Shallow Dark Surface (TF12)
	l Below Dark Surface ork Surface (A12)	e (A11)	Depleted Dar Redox Depre				0	ther (Explain in Remarks)
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan			LRR N,		
	147, 148)		MLRA 13		`			
	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6) ayer (if observed):		Red Parent N	nateriai (F	21) (MLR	A 127, 147	r) uni	ess disturbed or problematic.
Type:	ayer (ii observeu).							
Depth (inc	ches).						Hydric Soil	Present? Yes No
Remarks:							11,4	
rtomanto.								

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-11-19				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-327				
Investigator(s):JDF, MCS Section	ion, Township, Range:				
Landform (hillslope, terrace, etc.): Floodplain Local re					
	Long: -79.3914 Datum: WGS 84				
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent s	lopes, frequently flooded NWI classification: N/A				
Are climatic / hydrologic conditions on the site typical for this time of year? $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	res No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly disturbed.	rbed? Are "Normal Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing same	mpling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	Is the Sampled Area within a Wetland? Yes No				
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	etland hydrology, hydrophytic vegetation, or				
HYDROLOGY Western d Modern and Indicators	Connection (Indicators (minimum of two required)				
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6) (B14) Sparsely Vegetated Concave Surface (B8)				
Surface Water (A1) True Aquatic Plants High Water Table (A2) Hydrogen Sulfide Oc					
	res on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Presence of Reduce					
Sediment Deposits (B2) Recent Iron Reduction					
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re					
Iron Deposits (B5)	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)	Microtopographic Relief (D4)				
Aquatic Fauna (B13)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No Depth (inches):					
Water Table Present? Yes No Depth (inches):					
Saturation Present? Yes No Depth (inches):					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Remarks:					
No hydrology was observed at this data point.					

Samplin	a Point:	DP-327
Januari	ia i Oliit.	

20.64	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species	
1. Quercus alba	20		FACU	That Are OBL, FACW, or FAC: 2 ((A)
2. Acer rubrum	10 2		FAC FAC	Total Number of Dominant	
3. Liquidambar styraciflua			FAC	Species Across All Strata: 4 ((B)
				Percent of Dominant Species	
5				That Are OBL, FACW, or FAC: 50.00	(A/B)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
Tank 14 10 00		= Total Cove		OBL species 0 $x 1 = 0$	
50% of total cover: 16.00	20% of	total cover:	0.40	FACW species $0 \times 2 = 0$	
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 34 x 3 = 102	
1				FACU species 63	
2				UPL species 60 x 5 = 300	
3				1E7 GE 4	(D)
4				Column Totals. 107 (A) 001	(B)
5				Prevalence Index = B/A = 4.16	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8				2 - Dominance Test is >50%	
9				3 - Prevalence Index is ≤3.0 ¹	
		= Total Cove		4 - Morphological Adaptations ¹ (Provide suppo	orting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)	J
Herb Stratum (Plot size: 5 ft r)	EO		LIDI	Problematic Hydrophytic Vegetation ¹ (Explain))
1. Pueraria montana	50		UPL		,
2. Verbesina alternifolia	20		FAC	¹ Indicators of hydric soil and wetland hydrology mu	ıst
3. Lonicera japonica	15		FACU	be present, unless disturbed or problematic.	.00
4. Centaurea biebersteinii	10		UPL	Definitions of Four Vegetation Strata:	
5. Rubus allegheniensis	10		FACU	Tree Meady plants avaluating since 2 in 77 Com	
6. Allium vineale	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cr more in diameter at breast height (DBH), regardles	
7. Perilla frutescens	5		FACU	height.	
8. Phytolacca americana	5		FACU	Sapling/Shrub – Woody plants, excluding vines, lo	000
9. Dactylis glomerata	2		FACU	than 3 in. DBH and greater than or equal to 3.28 ft	: (1
10.Dichanthelium clandestinum	2		FAC	m) tall.	`
11.Oxalis stricta	1		FACU	Herb – All herbaceous (non-woody) plants, regard	less
	125	= Total Cove	er	of size, and woody plants less than 3.28 ft tall.	1000
50% of total cover: 62.50	20% of	total cover:	25.00	Weedy vine All weedy vines greater than 2.29 ft	· in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft height.	. 111
1				- re-g-m	
2					
3					
4					
5				Hydrophytic Vegetation	
<u> </u>		= Total Cove		Present? Yes No	
50% of total cover:					
Remarks: (Include photo numbers here or on a separate si					
No sapling/shrub or woody vine strat		observ	ed at t	this data point.	
, 5.				•	

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 7	7.5YR 4/4	90	2.5YR 4/6	10	С	М	Sandy Clay Loam	
7 - 18	7.5YR 4/4	80	10YR 5/4	20	С	М	Sandy Clay Loam	
					-	- ——		
-								
					-			
	-				<u> </u>			
¹ Type: C=C	oncentration, D=Der	letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil		,	,					ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ace (S8) (I	VILRA 147,		Coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	ırface (S) (MLRA	147, 148)		(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		P	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar				c	Other (Explain in Remarks)
	ark Surface (A12) /lucky Mineral (S1) (I DD N	Redox Depre Iron-Mangan			(I DD N		
-	147, 148)	LKK N,	MLRA 13		SES (F 12) (LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa	-	(MLRA 1:	36, 122)	³ Ind	licators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent N					less disturbed or problematic.
	Layer (if observed)							·
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:	,							

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-11-14				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-328				
Investigator(s):KZ Section	on, Township, Range: N/A				
Landform (hillslope, terrace, etc.): Floodplain Local rel					
	Long:79.58703007				
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	25 percent slopes NWI classification: N/A				
Are climatic / hydrologic conditions on the site typical for this time of year? $^{}$					
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)				
	npling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No No No	Is the Sampled Area within a Wetland? Yes No				
Remarks:					
All three wetland parameters (i.e., wetland hydsoils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od					
Saturation (A3)	- ' ' '				
Water Marks (B1) Presence of Reduced	· · · · · · · · · · · · · · · · · · ·				
Sediment Deposits (B2) Recent Iron Reduction					
Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (
Algal Mat or Crust (B4) Other (Explain in Rer					
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2)				
Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)				
Water-Stained Leaves (B9) Microtopographic Relief (B4) Aquatic Fauna (B13) FAC-Neutral Test (D5)					
Field Observations:					
Surface Water Present? Yes No Depth (inches):					
Water Table Present? Yes No Depth (inches):					
Saturation Present? Yes No Depth (inches):					
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:				
Remarks:					

Sampling	Point:	DP-328
Samulinu	r Oll II.	

00.5	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)			Status	Number of Dominant Species	
1. Acer rubrum	35		FAC	That Are OBL, FACW, or FAC: 9 (A	()
2. Liquidambar styraciflua	30		FAC	Total Number of Dominant	
3. Quercus bicolor	20		FACW	Species Across All Strata: 9 (B	3)
4				Description of Description	
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A	/B)
6				mat/16 05E, 1710W, 011710.	<i>(</i> 10)
7				Prevalence Index worksheet:	
	85	= Total Cov		Total % Cover of: Multiply by:	
50% of total cover: 42.50				OBL species $0 x 1 = 0$	
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 25 x 2 = 50	
1 Acer rubrum	5	V	FAC	FAC species 98 x 3 = 294	
2. Liquidambar styraciflua	5		FAC	FACU species $0 \times 4 = 0$	
3. Quercus bicolor	5		FACW	UPL species $0 \times 5 = 0$	
· · ·			IACW	100 044	B)
4				Column Totals (A) (i	ь)
5				Prevalence Index = $B/A = 2.79$	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8				✓ 2 - Dominance Test is >50%	
9				✓ 3 - Prevalence Index is ≤3.0 ¹	
	15	= Total Cov	er	4 - Morphological Adaptations¹ (Provide support	tina
50% of total cover: <u>7.50</u>	20% of	total cover:	3.00		ung
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
1. Smilax rotundifolia	6	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
2. Euonymus americanus	5	·	FAC		
3 Dichanthelium clandestinum	1		FAC	¹ Indicators of hydric soil and wetland hydrology mus	t
4 Microstegium vimineum	1	-	FAC	be present, unless disturbed or problematic.	
"				Definitions of Four Vegetation Strata:	
5			-	Tree – Woody plants, excluding vines, 3 in. (7.6 cm)	or (
6				more in diameter at breast height (DBH), regardless	of
7				height.	
8				Sapling/Shrub – Woody plants, excluding vines, les	ss
9				than 3 in. DBH and greater than or equal to 3.28 ft (
10				m) tall.	
11				Herb – All herbaceous (non-woody) plants, regardle	ess
	13	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.	
50% of total cover: <u>6.50</u>	20% of	total cover:	2.60	Woody vine – All woody vines greater than 3.28 ft in	n
Woody Vine Stratum (Plot size: 30 ft r)				height.	''
1. Smilax rotundifolia	10		FAC		
2					
3					
4					
5.				Hydrophytic Vegetation	
<u> </u>	10	= Total Cov		Present? Yes V No No No	
50% of total cover: 5.00		total cover:			
		total cover.			
Remarks: (Include photo numbers here or on a separate s	neet.)				

Sampling Point: DP-328

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 5	10YR 5/1	65	7.5YR 4/6	35	С	PL / M	Sandy Clay Loam	
5 - 18	2.5YR 5/1	80	5YR 5/8	20	С	PL / M	Sandy Clay Loam	
				-	· ·			
			-		•			
								
-								
		-						
	-							
					·			
					. <u> </u>			
¹ Type: C=Co	oncentration D=Den	letion RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains	² l ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil		700011, 1 1111	rtoddod Matrx, Mc	- maono	a cana ci	unio.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ace (S8) (I	MLRA 147,		Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su				, <u>—</u>	(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye	d Matrix	(F2)		F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma	. ,				(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S					/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar				<u> </u>	Other (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depre			I DD N		
	Mucky Mineral (S1) (I A 147, 148)	LKK N,	Iron-Mangan		ses (F12) (LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa	-	(MI RΔ 11	R6 122)	³ Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N					elless disturbed or problematic.
	Layer (if observed)			(/ (,	1	
Type:	,							
	ches):						Hydric Soil	Present? Yes V No
Remarks:							1.,	
remarks.								

SOIL

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-11-14					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-329					
Investigator(s):KZ Section						
Landform (hillslope, terrace, etc.): Hillslope Local reli						
Subregion (LRR or MLRA): P 136 Lat: 36.58685344						
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 2						
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Yes Yes No No No V	Is the Sampled Area within a Wetland? Yes No ✓					
Wetland Hydrology Present? Yes No						
Only one (i.e., hydrophytic vegetation) of the the data point.	nree wetland parameters was satisfied at this					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1)	or (C1) Drainage Patterns (B10) es on Living Roots (C3) Moss Trim Lines (B16) d Iron (C4) Dry-Season Water Table (C2) en in Tilled Soils (C6) Crayfish Burrows (C8) C7) Saturation Visible on Aerial Imagery (C9) marks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)					
Aquatic Fauna (B13) FAC-Neutral Test (D5)						
Field Observations:						
Surface Water Present? Water Table Present? Saturation Present? (includes capillary fringe) Yes No Depth (inches): Depth (inches): Depth (inches):						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks: No hydrology was observed at this data point.						

Samo	lina	Point:	DP-329
Jailip	III IY	ı Ollit.	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Acer rubrum	50		FAC	That Are OBL, FACW, or FAC: 6 (A)
2. Liquidambar styraciflua	25		FAC	Total Number of Dominant
3				Species Across All Strata: 10 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 60.00 (A/B)
6				Providence Index workshappy
7				Prevalence Index worksheet:
		= Total Cove		
50% of total cover: <u>37.50</u>	20% of	total cover:	15.00	CBE species X i
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{5}{120}$ $x = \frac{10}{360}$
1. Acer rubrum	15		FAC	1 A0 species X 0 =
2. Liquidambar styraciflua	15		FAC	FACU species $\frac{16}{40}$ $\times 4 = \frac{64}{50}$
3				UPL species $\frac{10}{454}$ x 5 = $\frac{50}{404}$
4				Column Totals: <u>151</u> (A) <u>484</u> (B)
5				Prevalence Index = B/A = 3.20
6				Hydrophytic Vegetation Indicators:
7				
8				1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50%
9.				<u> </u>
	30	= Total Cove	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 15.00	20% of	total cover:	6.00	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Daucus carota	10		UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Quercus phellos	10	<u> </u>	FAC	1
3. Dichanthelium clandestinum	5	~	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Lespedeza cuneata	5	~	FACU	Definitions of Four Vegetation Strata:
5. Schizachyrium scoparium	5	~	FACU	Definitions of Four Vegetation Strata.
6. Schedonorus pratensis	5	~	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7 Juncus effusus	3		FACW	more in diameter at breast height (DBH), regardless of height.
8 Panicum scoparium	2		FACW	
g Pinus virginiana	1		FACU	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11				
	46	= Total Cove		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 23.00				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
50% of total cover:		= Total Cover:		
Remarks: (Include photo numbers here or on a separate sh		total cover.		
Remarks. (include prioto numbers here of off a separate si				

No woody vine stratum was observed at this data point.

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist) % Type ¹ Loc ²	- Toytura	Remarks
inches) 0 - 9	7.5YR 5/8		Color (moist) % Type ¹ Loc ²	Texture Silt Loam	Remarks
0-9	7.51K 5/6	100		SIII LUAIII	
-					
_					
					
					·
-					· -
_			· · · · · · · · · · · · · · · · · · ·	_	· ·
-					
		olotion DM=0	Paduand Matrix MC=Mankad Sand Crains	21 continue D	OL -Doro Lining M-Metrix
	indicators:	pietion, Rivi=r	Reduced Matrix, MS=Masked Sand Grains.	Location: P	PL=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
			Dark Curfore (C7)		
_ Histosol			Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
	oipedon (A2) stic (A3)		Polyvalue Below Surface (S8) (MLRA 14Thin Dark Surface (S9) (MLRA 147, 148		Coast Prairie Redox (A16)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		(MLRA 147, 148) Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)	,	/ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ce (A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)
	ark Surface (A12)	<i>(,</i>)	Redox Depressions (F8)	_ `	(2.p.a)
	Mucky Mineral (S1)	LRR N.	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148)	,	MLRA 136)		
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)	³ Inc	dicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA		etland hydrology must be present,
-	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 1		nless disturbed or problematic.
estrictive I	Layer (if observed)):			
Type: Ro	ock				
Type				Usalvia Cai	I Present? Yes No <u>✓</u>
				HVaric Soi	
Depth (inc	ches): 9+			nyaric soi	
Depth (inc				Hydric Soi	· · · · · · · · · · · · · · · · · · ·
Depth (inc			-	nyaric soi	
Depth (inc			_	nyuric soi	
Depth (inc				nyaric Soi	
Depth (inc				nydric Soi	
Depth (inc				nydric Soi	
Depth (inc				nyaric Soi	
Depth (inc				nydric Soi	
Depth (inc				nydric Soi	
Depth (inc				nydric Soi	
Depth (inc				nydric Sol	
Depth (inc				nydric Sol	
Depth (inc				nydric Sol	
Depth (inc				nydric Sol	
Depth (inc				nydric Sol	
Depth (inc				nydric Sol	
Depth (inc				nydric Sol	
· ·				nydric Sol	
Depth (inc				nydric Sol	
Depth (inc				nydric Sol	
Depth (inc				nyaric Soil	
Depth (inc				nyaric Soil	
Depth (inc				nyaric Soil	

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-11-14
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-330
Investigator(s):KZ Section	
Landform (hillslope, terrace, etc.): Floodplain Local rel	
	Long: -79.574213 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
•	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes ✓ No	
Hydric Soil Present? Yes No	Is the Sampled Area
Wetland Hydrology Present?	within a Wetland? Yes No
Remarks:	
Only one (i.e., hydrophytic vegetation) of the todata point.	nree wetland parameters was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Od	
	es on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Describe recorded bata (stream gauge, monitoring well, acrial priotos, pre	vious inspections), ii available.
Remarks:	
No hydrology was observed at this data point.	
The my and energy made about the act and act and points	

VE

20 ft r	Absolute	Dominant		Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r Liriodendron tulipifera		Species?		Number of Dominant Species
•	20		FACU FAC	That Are OBL, FACW, or FAC: 3 (A)
Acer rubrum	20			Total Number of Dominant
Fagus grandifolia	10		FACU	Species Across All Strata: 4 (B)
Carpinus caroliniana	8		FAC	Percent of Dominant Species
·				That Are OBL, FACW, or FAC: 75.00 (A/I
	_			Prevalence Index worksheet:
<u> </u>				
		= Total Cov		
50% of total cover: 29.00	20% of	total cover	11.60	ODE species x 1 =
apling/Shrub Stratum (Plot size: 15 ft r		_		FACW species 0 $x = 0$
Lindera benzoin	10		FAC	FAC Uspecies 32 x 4 = 128
Carpinus caroliniana	3		FAC	1 AOO species X +
				UPL species $0 \times 5 = 0$
				Column Totals: <u>73</u> (A) <u>251</u> (B
				Prevalence Index = B/A = 3.43
<u>. </u>				Hydrophytic Vegetation Indicators:
- -				
<u> </u>				1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50%
i <u> </u>				
	13	= Total Cov	ver	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 6.50	20% of	total cover	2.60	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
_ Lonicera japonica	2		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2				1
3				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
l <u>.</u>				Definitions of Four Vegetation Strata:
				Definitions of Four Vegetation Strata.
)				Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
				more in diameter at breast height (DBH), regardless of height.
3.				
· ·			-	Sapling/Shrub – Woody plants, excluding vines, less
0			-	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
1			-	
··-	^	= Total Cov		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
50% of total cover: 1.00				o. oo, aaooo, p.ao .oooa oo ta
Voody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in
				height.
i				
· <u> </u>				Hydrophytic
i				Vegetation Present? Yes ✓ No
50% of total cover:		= Total Cov		100 <u> </u>
50% of total cover.	20% 01	iolai covei	•	

Profile Desc	ription: (Describe	to the dep	oth needed to docui	nent the	indicator	or confirn	n the absence	e of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 4/4	100			<u> </u>		Sandy Loam	
4 - 18	10YR 4/4	85	5YR 5/4	15	С	М	Silt Loam	
			-					
-								
					· -			
							-	
					<u> </u>			
1Type: C=C	oncentration D=Den	Jetion PM	=Reduced Matrix, M	S=Macker	d Sand Gr	aine	² Location: [PL=Pore Lining, M=Matrix.
Hydric Soil		neuon, Kivi	-Reduced Matrix, Mi	3-Maske	u Sanu Gi	allis.		cators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(97)				2 cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		nce (S8) (I	/II R Δ 147		Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su		. , .			(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			147, 140)		Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		(1 =)		· ·	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		F6)		,	Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da					Other (Explain in Remarks)
	ark Surface (A12)	` ,	Redox Depre				· 	,
	Mucky Mineral (S1) (I	LRR N,	Iron-Mangan			LRR N,		
MLRA	A 147, 148)		MLRA 13					
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ace (F13)	(MLRA 1	36, 122)	³ In	dicators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Flo	oodplain S	Soils (F19)	(MLRA 14	48) w	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent I	Material (F	21) (ML R	A 127, 147	7) ui	nless disturbed or problematic.
Restrictive	Layer (if observed):							
Type:								
Depth (in	ches):						Hydric So	il Present? Yes No 🖍
Remarks:	, -							

SOIL

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2024-11-14
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-331
Investigator(s):KZ Sect	ion, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.59858689	
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	ırbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No 🗸	within a Wetland?
Remarks:	<u></u>
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	stiand hydrology, hydrophytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oo	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reducti	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re Iron Deposits (B5)	emarks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pri	evious inspections). if available:
, , , , , , , , , , , , , , , , , , , ,	,,
Remarks:	
No hydrology was observed at this data point.	

VEGETATION (Four Strata) - Use scientific names of plants.

6._____

Tree Stratum (Plot size: 30 ft r)

2. Liriodendron tulipifera

3. Liquidambar styraciflua

Sapling/Shrub Stratum (Plot size: 15 ft r) 1. Lindera benzoin

Herb Stratum (Plot size: 5 ft r) 1. Lonicera japonica

3. Microstegium vimineum

Woody Vine Stratum (Plot size: 30 ft r)

2. Allium canadense

1. Acer rubrum

Use scientific n	ames of	plants.		Sampling Point: DP-331
	Absolute	Dominant		Dominance Test worksheet:
)		Species?		Number of Dominant Species
	40		FAC	That Are OBL, FACW, or FAC: 2 (A
	25		FACU	Total Number of Dominant
	10		FAC	Species Across All Strata: 5 (B
				Percent of Dominant Species That Are OBL, FACW, or FAC: 40.00 (A.
				Prevalence Index worksheet:
	75	= Total Cov		Total % Cover of: Multiply by:
of total cover: 37.50		total cover:		OBL species $0 x 1 = 0$
5 ft r	20 /0 01	total cover.		FACW species $0 x 2 = 0$
)	10	.,	FAC	FAC species 63 x 3 = 189
	10		FAC	40
				100 A 0
				Column Totals: 103 (A) 349 (I
				Prevalence Index = B/A = 3.38
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide support
% of total cover: 5.00	20% of	total cover	2.00	data in Remarks or on a separate sheet)
)				· , , , , , , , , , , , , , , , , , , ,
	10		FACU	Problematic Hydrophytic Vegetation¹ (Explain)
	5	~	FACU	
	3		FAC	¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
		-		Definitions of Four Vegetation Strata:
	-	-		Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
	-			more in diameter at breast height (DBH), regardless height.
		-		Sapling/Shrub – Woody plants, excluding vines, les
				than 3 in. DBH and greater than or equal to 3.28 ft ('m) tall.
	-	-		,
	18			Herb – All herbaceous (non-woody) plants, regardle
0.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
% of total cover: 9.00	20% of	total cover	3.00	Woody vine – All woody vines greater than 3.28 ft in
) ft r)				height.
		_		Hydrophytic
				Vegetation
		= Total Cov	er	Present? Yes No
% of total cover:		total cover:		

Remarks: (Include photo numbers here or on a separate sheet.)

No woody vine stratum was observed at this data point.

SOIL Sampling Point: DP-331

Profile Desc	ription: (Describe	to the dep	th needed to docum	nent the	indicator	or confirm	n the absenc	e of indicators.)
Depth	Matrix			x Feature		-		
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 5/3	100			· 		Sandy Loam	<u> </u>
12 - 18	10YR 5/3	95	7.5YR 5/8	5	С	M	Sandy Clay Loam	
-								
-							-	
					· -			
	-	. ———					-	
		· ——			<u> </u>			
	-							
-								
					· -			
1 _{T. max} C=C	tration D-Dan	lation DM	-Dadwaad Matrix MG		d Cand Ca		21	DI - Dana Linina M-Matrix
Hydric Soil I		letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		PL=Pore Lining, M=Matrix. cators for Problematic Hydric Soils ³ :
-			Dark Surface	(87)				•
Histosol	oipedon (A2)		Dark Surface Polyvalue Be		nco (SS) (N	II DA 1 <i>1</i> 7		2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16)
Black Hi			Polyvalue Be				, 140)	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			47, 140)		Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma		(1 2)		_	(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark \$		F6)			Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar					Other (Explain in Remarks)
	ark Surface (A12)	- ()	Redox Depre				_	(=: ф.:
	lucky Mineral (S1) (L	RR N,	Iron-Mangan			LRR N,		
-	\ 147, 148)	•	MLRA 13		· / ·	,		
	Gleyed Matrix (S4)		Umbric Surfa		(MLRA 13	6, 122)	³ In	dicators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					vetland hydrology must be present,
-	Matrix (S6)		Red Parent N					nless disturbed or problematic.
	_ayer (if observed):			`	, ,			·
Type:								
	ches):						Hydric So	il Present? Yes No 🗸
Remarks:	,							
remains.								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-11-14
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-332
Investigator(s):MS Sect	ion, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local re	lief (concave, convex, none): None Slope (%): 2-4
Subregion (LRR or MLRA): P 136 Lat: 36.61347997	
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No V Yes No V	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No ✓ Remarks:	
data point. HYDROLOGY	hree wetland parameters were satisfied at this
	Cocondany Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6) (B14) Sparsely Vegetated Concave Surface (B8)
Surface Water (A1) True Aquatic Plants High Water Table (A2) Hydrogen Sulfide Od	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reducti	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	marks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	

VEGETATION (Four Strata) - Use scien

EGETATION (Four Strata) – Use scientific n		-		Sampling Point: DP-332
ree Stratum (Plot size: 30 ft r		Dominant Species?		Dominance Test worksheet:
Acer rubrum	40	<u>opcoics:</u> ✓	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
Liquidambar styraciflua	35		FAC	That Ale OBE, I ACW, OF I AC.
Carpinus caroliniana	10	· <u> </u>	FAC	Total Number of Dominant Species Across All Strata: 6 (B)
·				Species Across All Strata: 6 (B)
			-	Percent of Dominant Species
				That Are OBL, FACW, or FAC: 100.00 (A/E
	· - <u></u>			Prevalence Index worksheet:
	85			Total % Cover of: Multiply by:
50% of total cover: 42.50		= Total Cov		OBL species 0 x 1 = 0
	<u>/</u> 20% of	total cover:	17.00	FACW species 3 x 2 = 6
Appling/Shrub Stratum (Plot size: 15 ft r)	20		FAC	FAC species 117 x 3 = 351
Acer rubrum Corpinus caroliniana	10		FAC	FACU species $\frac{1}{1}$ $x = 4$
Carpinus caroliniana	· 			UPL species 0 x 5 = 0
				101
				Column Totals: 121 (A) 361 (B)
	-			Prevalence Index = B/A = 2.98
	· -			Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
	·			3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 15.00	20% of	total cover:	6.00	data in Remarks or on a separate sheet)
erb Stratum (Plot size: 5 ft r)				, ,
Thelypteris palustris	3		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
Microstegium vimineum	2		FAC	1
Maianthemum racemosum	1		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
			· ·	
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of
				more in diameter at breast height (DBH), regardless o height.
				noight.
	-	·		Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
l				
	•			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 3.00		= Total Cover:		or size, and woody plants less trial 3.20 it tall.
oody Vine Stratum (Plot size: 30 ft r)	20 /0 01	iolai cuvel.		Woody vine – All woody vines greater than 3.28 ft in
				height.
				Hydrophytic
				Vegetation
		= Total Cov		Present? Yes No
50% of total cover:	20% of	total cover:		

SOIL

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirr	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	:S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	<u>Remarks</u>
0 - 6	10YR 5/3	100					Silt Loam	
6 - 14	2.5Y 5/3	80	2.5Y 6/1	10	D	М	Silty Clay Loam	
6 - 14			7.5YR 5/8	10	С	М	Silty Clay Loam	Secondary redox color.
14 - 18	5Y 6/1	70	5Y 6/3	5	С	M	Silty Clay Loam	
14 - 18			7.5YR 5/8	25	С	<u>M</u>	Silty Clay Loam	Secondary redox color.
		·			· 			
		·						
Type: C=Co		letion, RM	=Reduced Matrix, M	S=Maske	d Sand Gi	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-								•
Histosol			Dark Surface	. ,				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		. , .		, 148) C	Coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Sι			147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		P	riedmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Ma					(MLRA 136, 147)
2 cm Mu	ick (A10) (LRR N)		Redox Dark	Surface (I	=6)		V	ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da	rk Surface	e (F7)			Other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre					, ,
	lucky Mineral (S1) (L	RR N.	Iron-Mangan			LRR N.		
	\ 147, 148)	,	MLRA 13		(- (-)	(,		
	Gleyed Matrix (S4)		Umbric Surfa		(MI RΔ 1	36 122)	3Ind	icators of hydrophytic vegetation and
-	tedox (S5)		Piedmont Flo					etland hydrology must be present,
-								
	Matrix (S6)		Red Parent N	viateriai (r	-21) (WLF	A 127, 14	(1) un	less disturbed or problematic.
	_ayer (if observed):							
Type:	ches):						Hydric Soil	Present? Yes No
							yuo co	11000III 100 <u></u> II0
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	county: Pittsylvania County Sampling Date: 2024-11-14
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-333
Investigator(s):MS Section	
Landform (hillslope, terrace, etc.): Terrace Local rel	
	Long:79.56332294 Datum:_WGS 84
Soil Map Unit Name: 4C - Clifford sandy loam, 7 to 15 percent s	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No ✔	within a Wetland?
Remarks:	
None of the three wetland parameters (i.e., we	tland bydrology, bydronbytic yegotation, er
None of the three wetland parameters (i.e., we	tiand hydrology, hydrophytic vegetation, or
hydric soils) were satisfied at this data point.	
LIVEROLOGY	
HYDROLOGY Western Hydrology Indicators	Cocondany Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Saturation (A3) Ovidized Phizosphore	
Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Remarks:	
No hydrology was observed at this data point.	

VEGETATION (Four Strata) - Use scientific names of plants.

50% of total cover: <u>55.00</u> 20% of total cover: <u>22.00</u>

50% of total cover: 3.50 20% of total cover: 1.40

50% of total cover: <u>5.50</u> 20% of total cover: <u>2.20</u>

50% of total cover: 7.50 20% of total cover: 3.00

15 = Total Cover

Tree Stratum (Plot size: 30 ft r)

Sapling/Shrub Stratum (Plot size: 15 ft r)

Herb Stratum (Plot size: 5 ft r) 1. Smilax rotundifolia

2. Quercus alba 2

6._____

2 Maianthemum racemosum 1

1. Oxydendrum arboreum

3. Liquidambar styraciflua

4. Acer rubrum

2. Quercus alba

1. Carya glabra

mes of	plants.		Sampling Point: DP-333
Absolute	Dominant Species?		Dominance Test worksheet:
50	Species?	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
30		FACU	That Are OBL, FACW, or FAC: 2 (A)
20		FAC	Total Number of Dominant Species Across All Strata: 6 (B)
10		FAC	Species Across All Strata: 6 (B)
			Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/I
			Prevalence Index worksheet:
110	= Total Cov		Total % Cover of: Multiply by:
	total cover:		OBL species 0 x 1 = 0
			FACW species <u>0</u> x 2 = <u>0</u>
5	~	FACU	FAC species <u>55</u> x 3 = <u>165</u>
2	~	FACU	FACU species <u>38</u>
			UPL species <u>50</u> _{x 5 = <u>250</u>}
			Column Totals: <u>143</u> (A) <u>567</u> (B
			Prevalence Index = B/A = 3.96
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
7	= Total Cov	 er	3 - Prevalence Index is ≤3.0¹
	total cover:		4 - Morphological Adaptations ¹ (Provide supporting
			data in Remarks or on a separate sheet)
10		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
1		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of
			height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	= Total Cov		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
20% of	total cover:	2.20	Woody vine – All woody vines greater than 3.28 ft in height.
15		FAC	
15	= Total Cov	 	Hydrophytic Vegetation Present? Yes No

Remarks: (Include photo numbers here or on a separate sheet.)

Woody Vine Stratum (Plot size: 30 ft r) 1. Smilax rotundifolia

SOIL								Sar	npling Poin	t: <u>DP-333</u>
Profile Desc	cription: (Descri	be to the de	pth needed to docu	ment the	indicate	or or confir	m the absence	of indicators	.)	
Depth	Matrix			ox Featur		1 , 2	- .		5 .	
(inches) 0 - 6	Color (moist) 10YR 5/2	<u>%</u> 100	Color (moist)	%	<u>Type</u>	Loc ²	Texture Silty Clay Loam		Remarks	
6 - 12	10 TR 5/2	90	7.5YR 6/2	5			Silty Clay Loam			
6 - 12	10111 074		7.5YR 5/8	- 5 5	_ <u>c</u>	.v. M	Silty Clay Loam	Secondary	y redox col	or.
12 - 18	10YR 6/1	— <u>—</u> 85	2.5Y 5/1	10	- -	 M	Clay Loam		y rouex cor	
12 - 18	10111 0/1		7.5YR 5/8	5	_ _	.v. M	Clay Loam	Secondari	y redox col	or
			7.011(0)0	<u> </u>	_ —			<u>occorraar</u>	y redox cor	01.
	_		-							
	_		-							
	_		· -							
1Typo: C=C	oncontration D=C	Nonlotion DA	/=Reduced Matrix, M	1C=Mook	ad Sand	Crains	² Location: D	L=Pore Lining	M-Motriy	
Hydric Soil		repielion, Ki	i-Reduced Matrix, iv	IS-IVIASK	eu Sanu	Giailis.		ators for Prob		ric Soils³:
Histosol			Dark Surfac	e (S7)				cm Muck (A10	-	
	pipedon (A2)		Polyvalue B		face (S8)	(MLRA 147		Coast Prairie R		,
Black H			Thin Dark S					(MLRA 147,		
	en Sulfide (A4)		Loamy Gley			, ,		edmont Flood		19)
	d Layers (A5)		Depleted Ma		()			(MLRA 136,		- /
	uck (A10) (LRR N))	Redox Dark	, ,	(F6)		V	ery Shallow D		ΓF12)
	d Below Dark Sur		Depleted Da				<u> </u>	other (Explain i	n Remarks)	,
Thick Da	ark Surface (A12)		Redox Depr	essions (F8)					
	Mucky Mineral (S1) (LRR N,	Iron-Manga		ses (F12) (LRR N,				
	A 147, 148)		MLRA 1							
	Sleyed Matrix (S4))	Umbric Surf					licators of hydr		
Sandy F			Piedmont Fl					etland hydrolog	-	
Stripped			Red Parent	(F21) (M I	_RA 127, 14	47) un	less disturbed	or problemati	C.	
	Layer (if observe	ed):								
Type:	-l \.		<u></u>				Ukadaia Cail	D=====+0 \	1	N= V
	ches):						Hydric Soil	Present?	res	No <u> </u>
Remarks:										
1										
•										
•										
•										
•										

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-11-14					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-334					
Investigator(s):KZ Section	on, Township, Range:					
Landform (hillslope, terrace, etc.): Swale Local reli						
Subregion (LRR or MLRA): P 136 Lat: 36.62276941						
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent slopes, severely eroded NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes Yes No No No No No No No No No N	Is the Sampled Area within a Wetland? Yes No ✔					
Wetland Hydrology Present? Yes No <u>✓</u>	 -					
Only two (i.e., hydrophytic vegetation and hydrometric vegetation and hydrophytic vegetation and hydro	ric soils) of the three wetland parameters					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (High Water Table (A2) Hydrogen Sulfide Odd						
High Water Table (A2) Hydrogen Sulfide Odd Saturation (A3) Oxidized Rhizosphere						
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reductio						
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Ren						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						
No hydrology was observed at this data point.						

00.6	Absolute	Dominant		Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)	% Cover	Species?		Number of Dominant Species
Acer rubrum	90		FAC	That Are OBL, FACW, or FAC: 3 (A)
_ Juniperus virginiana	5		FACU	Total Number of Dominant
				Species Across All Strata: 5 (B)
·				Description of Description of Operation
<u> </u>				Percent of Dominant Species That Are OBL, FACW, or FAC: 60.00 (A/B
i				
<u> </u>				Prevalence Index worksheet:
	95	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 47.5	20% of	total cover:	19	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$
_ Catalpa speciosa	2		FAC	FAC species 102 x 3 = 306
				FACU species 32 x 4 = 128
3				UPL species $0 \times 5 = 0$
i				Column Totals: <u>134</u> (A) <u>434</u> (B)
5				December 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
5				Prevalence Index = B/A = 3.23
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
).				<u>✓</u> 2 - Dominance Test is >50%
	2	= Total Cov		3 - Prevalence Index is ≤3.0¹
50% of total cover: 1	20% of total cover: 0.4			4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
Dactylis glomerata	10	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Microstegium vimineum	5	·	FAC	
Smilax rotundifolia	5		FAC	¹ Indicators of hydric soil and wetland hydrology must
Lonicera japonica	3		FACU	be present, unless disturbed or problematic.
Hedera helix	2		FACU	Definitions of Four Vegetation Strata:
Rubus allegheniensis	2		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of
	· 			more in diameter at breast height (DBH), regardless of
·				height.
3	. ———			Sapling/Shrub – Woody plants, excluding vines, less
)	· 			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
0	· 			iii) taii.
1	27			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 13.5		= Total Cov total cover:		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30 ft r)	20 /6 01	lotal cover.	0.4	Woody vine – All woody vines greater than 3.28 ft in
Hedera helix	10	./	FACU	height.
· ·			1 400	
2.				
3				
k <u> </u>				Hydrophytic
5	10			Vegetation Present? Yes ✓ No
10 = Total Cover				Present? Yes V No No
50% of total cover: 5		total cover:		
Remarks: (Include photo numbers here or on a separate s	sheet.)			

	ription: (Describ	c to the ac	pth needed to docu	ment the	indicator	or confirm	n the absence o	f indicators.)	
oth	Matrix			x Feature		. 2			
hes)	Color (moist)	%	Color (moist)	%	Type'	Loc ²	Texture	Rema	arks
) - 8	7.5YR 5/2	100					Silt Loam		
3 - 18	2.5YR 6/3	60	5YR 5/8	40	С	М	Sandy Clay Loam		
_									
			-						
			<u> </u>						
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			_						
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		_							
	•		-						
		epletion, RI	M=Reduced Matrix, M	S=Maske	d Sand Gr	ains.		Pore Lining, M=M	
ric Soil	Indicators:						Indicate	ors for Problemat	ic Hydric Soils
Histosol			Dark Surface	, ,				m Muck (A10) (ML	RA 147)
Histic E	oipedon (A2)		Polyvalue B	elow Surfa	ice (S8) (N	ILRA 147,	148) Coa	ast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark S	urface (S9) (MLRA 1	47, 148)	(MLRA 147, 148)	
Hydroge	en Sulfide (A4)		Loamy Gley	ed Matrix	(F2)			dmont Floodplain	Soils (F19)
	d Layers (A5)		Depleted Ma	atrix (F3)			(MLRA 136, 147)	
2 cm Mu	ick (A10) (LRR N)		Redox Dark	Surface (I	- 6)		Vei	ry Shallow Dark Su	ırface (TF12)
Deplete	d Below Dark Surfa	ice (A11)	Depleted Da	rk Surface	e (F7)		Oth	ner (Explain in Rem	narks)
Thick Da	ark Surface (A12)		Redox Depr	essions (F	8)				
	lucky Mineral (S1)	(LRR N,	Iron-Mangar		es (F12) (LRR N,			
	A 147, 148)		MLRA 13						
Sandy G	Bleyed Matrix (S4)		Umbric Surfa					ators of hydrophyti	c vegetation and
Sandy F	Redox (S5)		Piedmont FI	oodplain S	Soils (F19)	(MLRA 14		and hydrology mus	
Stripped	Matrix (S6)		✓ Red Parent	Material (F	21) (MLR	A 127, 147	7) unle	ss disturbed or pro	blematic.
trictive	Layer (if observed	l):							
ype:									
epth (in	ches):						Hydric Soil P	resent? Yes_	No
							1.,		
arke:									
arks:									
arks:									
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Project/Site: Southeast Supply Enhancement Project City/Col	unty: Pittsylvania County Sampling Date: 2024-11-14					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-335						
Investigator(s):KZ Section						
• , , -	f (concave, convex, none): Concave Slope (%): 0-2					
Subregion (LRR or MLRA): P 136 Lat: 36.62247507						
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent sl						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	s No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed	ed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problemati						
SUMMARY OF FINDINGS – Attach site map showing samp						
Ludria Cail Dragget?	Is the Sampled Area within a Wetland? Yes No					
Only one (i.e., hydrophytic vegetation) of the three wetland parameters was satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B						
High Water Table (A2) Hydrogen Sulfide Odor						
Saturation (A3) Oxidized Rhizospheres						
Water Marks (B1) Presence of Reduced I Sediment Deposits (B2) Recent Iron Reduction						
Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C7						
Algal Mat or Crust (B4) Other (Explain in Rema						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No✓					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previ	ous inspections), if available:					
Remarks:						
No hydrology was observed at this data point.						
1						

20.64	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
Acer rubrum	90		FAC	That Are OBL, FACW, or FAC: 5 (A
2				Total Number of Dominant
3				Species Across All Strata: 6 (E
4	- ——			Percent of Dominant Species
5			· ——	That Are OBL, FACW, or FAC: 83.33
3				Prevalence Index worksheet:
7				
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 45.0	20% of	total cover	18.00	OBL species $\frac{0}{3}$ $x = \frac{0}{6}$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{3}{103}$ $\times 2 = \frac{6}{300}$
l	- ——			FAC species $\frac{103}{7}$ $x 3 = \frac{309}{28}$
2			· ——	-
3				UPL species $0 \times 5 = 0$
1				Column Totals: 113 (A) 343
5				Prevalence Index = B/A = 3.03
5				Hydrophytic Vegetation Indicators:
7			<u> </u>	1 - Rapid Test for Hydrophytic Vegetation
3				✓ 2 - Dominance Test is >50%
9				<u> </u>
		= Total Cov	/er	3 - Prevalence Index is ≤3.0¹
50% of total cover:	20% of	total cover	:	4 - Morphological Adaptations¹ (Provide suppor
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
_{1.} Ligustrum sinense	5	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
_{2.} Liquidambar styraciflua	5	~	FAC	
3. Dichanthelium clandestinum	3	~	FAC	¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.
Juncus effusus	3	~	FACW	Definitions of Four Vegetation Strata:
Quercus phellos	3	~	FAC	Definitions of Four Vegetation Strata.
Acer rubrum	2		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm
Smilax bona-nox	2		FACU	more in diameter at breast height (DBH), regardless height.
Carex sp.	2			
9.				Sapling/Shrub – Woody plants, excluding vines, le
10			· ——	than 3 in. DBH and greater than or equal to 3.28 ft (m) tall.
11.		-		, and the second
		= Total Cov	/or	Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.
50% of total cover: 12.50				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft
1				height.
·- 2.			· ——	
3				
4				
				Hydrophytic
5				Vegetation Present? Yes ✓ No
50% of total cover:		= Total Cover		
		IJIAI COVEI	•	
Remarks: (Include photo numbers here or on a separate	SHEEL)			

Depth	Matrix	%	Redox Features Color (moist) % Type ¹ Loc ²	T-1.4	Damade
inches) 0 - 8	Color (moist)		Color (moist) % Type ¹ Loc ²	<u>Texture</u>	Remarks
	10YR 4/4	100		Silt Loam	
8 - 18	5YR 4/6	100		Silt Loam	
-					
-					
	-				
-					
-					
	_				
		_			
ype: C=C	oncentration, D=De	epletion, RM=I	Reduced Matrix, MS=Masked Sand Grains.	² Location: P	L=Pore Lining, M=Matrix.
/dric Soil	Indicators:			Indica	ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 147	, 148) C	Coast Prairie Redox (A16)
	istic (A3)		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	P	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	uck (A10) (LRR N)	(8.4.4)	Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)
	d Below Dark Surfa	ace (A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)
	ark Surface (A12)	/I DD N	Redox Depressions (F8)		
-	Mucky Mineral (S1)	(LKK N,	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148) Gleyed Matrix (S4)		MLRA 136) Umbric Surface (F13) (MLRA 136, 122)	³ Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 1		etland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 14		less disturbed or problematic.
	Layer (if observed	4)-	Near arent waterial (121) (MENA 121, 14		ileas disturbed of problematic.
Type:	_ayo: (oboo: rot	-,-			
	ohoo):			Uvdria Sail	Present? Yes No
	ches):			Hydric 30ii	Present? Yes No
emarks:					

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-11-14					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-336					
Investigator(s): JDF, MCS Section, Township, Range:						
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-2						
Subregion (LRR or MLRA): P 136 Lat: 36.77302499 Long: -79.39960205 Datum: WGS 84						
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent s						
Are climatic / hydrologic conditions on the site typical for this time of year?						
	rbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No	In the Committee of America					
Hydric Soil Present? Yes No 🗸	Is the Sampled Area within a Wetland? Yes No ✓					
Wetland Hydrology Present? Yes No 🗸						
Remarks:						
None of the three wetland parameters (i.e., we	etland hydrology, hydronhytic vegetation, or					
-	tidina ilyarology, ilyaropilyalo vegetation, oi					
hydric soils) were satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants						
High Water Table (A2) Hydrogen Sulfide Oc						
	res on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduce						
Sediment Deposits (B2) Recent Iron Reducti	on in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)					
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:					
Remarks:						
No hydrology was observed at this data point.						
, 3,						

Samplin	a Point	DP-336
Samulin	u r oiiit.	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r	% Cover	Species?		Number of Dominant Species
1. Carpinus caroliniana	40		FAC	That Are OBL, FACW, or FAC: 2 (A)
2. Acer negundo	30		FAC	Total Number of Deminent
3. Platanus occidentalis	10		FACW	Total Number of Dominant Species Across All Strata: 5 (B)
4. Betula nigra	5		FACW	
5				Percent of Dominant Species That Are OBL FACW or FAC: 40.00 (A/B)
				That Are OBL, FACW, or FAC: 40.00 (A/B)
6				Prevalence Index worksheet:
7	O.F.			Total % Cover of: Multiply by:
700/ 5/ / 42 FO		= Total Cove		OBL species 0 x 1 = 0
50% of total cover: <u>42.50</u>	20% of	total cover:	17.00	FACW species 30 x 2 = 60
Sapling/Shrub Stratum (Plot size: 15 ft r)	00			
1. Ligustrum sinense	30		FACU	
2. Betula nigra	5		FACW	FACU species 80 x 4 = 320
3				UPL species 0 x 5 = 0
4				Column Totals: <u>182</u> (A) <u>596</u> (B)
5				Prevalence Index = B/A = 3.27
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	35	= Total Cove	er	
50% of total cover: <u>17.50</u>	20% of	total cover:	7.00	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r		-		data in Remarks or on a separate sheet)
1. Asarum canadense	25	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Lonicera japonica	15		FACU	
	10		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Allium vineale				be present, unless disturbed or problematic.
4. Ranunculus abortivus	10		FACW	Definitions of Four Vegetation Strata:
5. Cryptotaenia canadensis	2		FAC	
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
				noight.
8	-		-	Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 31.00	20% of	total cover:	12.40	Weedy vine All woody vines greater than 2.20 ft in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				- Tongrai
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cove		Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No woody vine stratum was observed	d at thi	s data p	oint.	

Profile Desc	ription: (Describe	to the dep	th needed to docum	ent the i	ndicator	or confirm	the absence	e of indicators.)
Depth	Matrix		Redox	C Features	S			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 8	7.5YR 5/2	100					Silt Loam	
8 - 18	7.5YR 5/3	100					Silt Loam	
	· · · · · · · · · · · · · · · · · · ·						-	
-								
								·
-								
								•
1- 0 0							2	
		oletion, RM	=Reduced Matrix, MS	=Masked	Sand Gra	ains.		PL=Pore Lining, M=Matrix. eators for Problematic Hydric Soils ³ :
Hydric Soil			D 10 ((07)				
Histosol			Dark Surface		(OO) (N			2 cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Bel				148) (Coast Prairie Redox (A16)
	stic (A3) en Sulfide (A4)		Thin Dark Sui			47, 148)	г	(MLRA 147, 148) Piedmont Floodplain Soils (F19)
	d Layers (A5)		Loanly Gleye		Γ ∠)		— '	(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S		:6)		,	Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	ce (A11)	Depleted Dar	•	•			Other (Explain in Remarks)
	ark Surface (A12)	<i>(,</i> (, , , ,)	Redox Depre					curer (=/premi mi remaine)
	lucky Mineral (S1)	LRR N,	Iron-Mangane			_RR N,		
	A 147, 148)		MLRA 136		· / ·	,		
	Gleyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)	³ Inc	dicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo				8) we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	7) ur	nless disturbed or problematic.
Restrictive I	Layer (if observed)	:						
Type:								
	ches):						Hydric Soi	I Present? Yes No 🗸
Remarks:							, , , , , , ,	
remane.								

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2024-11-14					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-337					
Investigator(s):KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local re						
	Long:79.39953413 Datum: WGS 84					
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent slopes, frequently flooded NWI classification: PFO1A						
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)					
Are Vegetation , Soil , or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem						
	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point. HYDROLOGY	irology, nydropnytic vegetation, and nydric					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2) Hydrogen Sulfide Oc						
Saturation (A3) Oxidized Rhizospher	res on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduce						
Sediment Deposits (B2) Recent Iron Reduction						
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)					
Field Observations:	1 A0-Neutral 1631 (50)					
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Domonto						
Remarks:						

Sapling/Shrub Stratum (Plot size: 15 ft r)		
Liquidambar styraciffua		
Total Number of Species Across Acro	ACW, or FAC: 3	(A)
Percent of Domit That Are OBL, F.	Dominant	
That Are OBL, F Prevalence Index Total Cover Total	All Strata: 4	(B)
That Are OBL, F. 25	nant Species	
Prevalence Index		(A/E
Total Cover Sow of total cover: 12.50 25 = Total Cover Sow of total cover: 5.00 Species FACW	ex worksheet	
Solition Stratum Solition Stratum Solition Stratum Solition Stratum Solition So		
FACW species FAC species FAC species FAC species FAC species FAC species FAC species FACU species UPL species UPL species UPL species UPL species Column Totals:	$0 \qquad \qquad x = 0$	•
FAC species FACU species UPL species Column Totals: Prevalence Hydrophytic Ve 1 - Rapid Te 2 - Dominan 3 - Prevalen 4 - Morphold data in R Problematic Smilax rotundifolia 12 FAC Smilax rotundifolia 12 FAC Lonicera japonica 10 FACU Definitions of F Tree – Woody vine of idameter height. Sapling/Shrub-than 3 in. DBH a m) tall. Herb – All herba of size, and woon woody Vine Stratum (Plot size: 30 ft r) Hydrophytic FAC species FAC upL species Column Totals: Prevalence Hydrophytic Ve 1 - Rapid Te V 2 - Dominan 3 - Prevalen 4 - Morphold data in R Problematic Indicators of hythe present, unlet Definitions of F Tree – Woody pl more in diameter height. Sapling/Shrub-than 3 in. DBH a m) tall. Herb – All herba of size, and woon Woody vine – A height. Hydrophytic		
FACU species UPL species Column Totals: Prevalence Hydrophytic Ve 1 - Rapid Te 2 - Dominan 3 - Prevalen 4 - Morpholo data in R Problematic Problematic 4 - Morpholo data in R Problematic Smilax rotundifolia 12 FAC Definitions of Fracu Indicators of hybe present, unlet Definitions of Fracu Frace - Woody pl more in diameter height. Sapling/Shrub- than 3 in. DBH a m) tall. Herb - All herba of size, and woor Woody Vine Stratum (Plot size: 30 ft r Hydrophytic		
UPL species Column Totals: Prevalence Hydrophytic Ve 1 - Rapid Te 2 - Dominan 3 - Prevalen 4 - Morpholic data in R Problematic Smilax rotundifolia 12 FAC Lonicera japonica 10 FACU Definitions of F Tree — Woody pin e fin diameter height. Sapling/Shrub-than 3 in. DBH a m) tall. Hefb — All herba of size, and woody vine Stratum (Plot size: 30 ft r) WPL species Column Totals: Prevalence Hydrophytic Ve 1 - Rapid Te 2 2 - Dominan 4 - Morpholic data in R Problematic FACU Definitions of Fy Tree — Woody pin e fin diameter height. Sapling/Shrub-than 3 in. DBH a m) tall. Hefb — All herba of size, and woody vine Stratum (Plot size: 30 ft r) Hydrophytic		—
Column Totals: Prevalence Hydrophytic Ve 1 - Rapid Te 2 - Dominan 3 - Prevalen 4 - Morpholo data in R Problematic Problematic 10 FACU Indicators of hydrophytic Definitions of FACU Tree – Woody pl more in diameter height. Sapling/Shrub- than 3 in. DBH a m) tall. Herb – All herba of size, and woody vine Stratum (Plot size: 30 ft r Provalence Hydrophytic Ve 1 - Rapid Te 2 2 - Dominan 3 - Prevalen 4 - Morpholo data in R Problematic FACU Indicators of hydrophytic Definitions of F Tree – Woody pl more in diameter height. Sapling/Shrub- than 3 in. DBH a m) tall. Herb – All herba of size, and wood Woody vine – A height. Hydrophytic	^ ' '	
Column Totals: Prevalence	0 x 5 = 0	
Hydrophytic Ve 1 - Rapid Te 2 - Dominan 3 - Prevalen 4 - Morphold data in R Problematic Problematic 10 FACU Definitions of Fyacu Indicators of hydrogenesh, unless of size, and wood oody Vine Stratum (Plot size: 30 ft r Solve of total cover: 41.00	107 (A) 336	(B
Hydrophytic Ve 1 - Rapid Te 2 - Dominan 3 - Prevalen 4 - Morpholo data in R Problematic Smilax rotundifolia Lonicera japonica 10 FACU Indicators of hydrophytic ve persent, unless of FACU Indicators of hydrophytic persent, unless of FACU Indicators of hydrophytic persent, unless of FACU Indicators of hydrophytic ve present, unless of FACU Definitions of F. Tree – Woody plus of total cover: 10 Sapling/Shrubthan 3 in. DBH a m) tall. Herb – All herba of size, and wood vine – A height. Hydrophytic Hydrophytic	e Index = B/A = 3.14	
= Total Cover		
Solve of total cover: = Total Cover	est for Hydrophytic Vegetation	,
### Total Cover ### Total Cover ### Total Cover ### 20% of total cover: ### 20% of total cover: ### 20% of total cover: ### 40		1
= Total Cover 50% of total cover:		
Solve of total cover: 20% of total cover: data in R Problematic		
Dichanthelium clandestinum 40		
Rubus allegheniensis 20	Remarks or on a separate she	,
Smilax rotundifolia 12 FAC Lonicera japonica 10 FACU Definitions of FACU	Hydrophytic Vegetation ¹ (Ex	olain)
Lonicera japonica 10 FACU Definitions of Facu Definitions of Facu Tree – Woody planore in diameter height. Sapling/Shrub—than 3 in. DBH a m) tall. Herb – All herba of size, and woody vine Stratum (Plot size: 30 ft r) Hydrophytic		
Lonicera japonica 10 FACU Definitions of Factor Tree – Woody plantore in diameter height. Sapling/Shrub – than 3 in. DBH a m) tall. Herb – All herba of size, and wood woody vine – A height. Moody Vine Stratum (Plot size: 30 ft r Hydrophytic	dric soil and wetland hydrolog	y must
Tree – Woody pl more in diameter height. Sapling/Shrub – than 3 in. DBH a m) tall. Herb – All herba of size, and woody Vine Stratum (Plot size: 30 ft r) Woody Vine Stratum (Plot size: 30 ft r) Hydrophytic	•	
Tree – Woody pl more in diameter height. Sapling/Shrub – than 3 in. DBH a m) tall. Herb – All herba of size, and woody vine Stratum (Plot size: 30 ft r) Woody Vine Stratum (Plot size: 30 ft r) Hydrophytic	our vegetation Strata.	
more in diameter height. Sapling/Shrub - than 3 in. DBH a m) tall. Herb - All herba of size, and wood vine Stratum (Plot size: 30 ft r) Woody Vine Stratum (Plot size: 30 ft r) Hydrophytic	lants, excluding vines, 3 in. (7	
Sapling/Shrub—than 3 in. DBH a m) tall. Herb — All herba of size, and woody Vine Stratum (Plot size: 30 ft r) Woody Vine Stratum (Plot size: 41.00	r at breast height (DBH), rega	ırdless c
Saping/Shrub - than 3 in. DBH a m) tall. 1		
1	- Woody plants, excluding vir	
1	and greater than or equal to 3	.28 π (1
82 = Total Cover 50% of total cover: 41.00 20% of total cover: 16.40 Woody vine – A height.		
50% of total cover: 41.00 20% of total cover: 16.40 Woody vine – A height.	iceous (non-woody) plants, re	
Woody Vine Stratum (Plot size: 30 ft r)	uy piants less than 3.26 it tali	-
Hydrophytic	All woody vines greater than 3	.28 ft in
Hydrophytic		
Vagatation		
	V V N-	
= Total Cover Present?	Yes No	_
50% of total cover: 20% of total cover:		
emarks: (Include photo numbers here or on a separate sheet.)		

SOIL Sampling Point: DP-337

Profile Desc	ription: (Describe	to the dep	th needed to docur	ment the	indicator	or confirn	n the absence of i	ndicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 6	10YR 5/2	100					Sandy Loam	
6 - 12	10YR 5/2	90	7.5YR 5/8	10	С	M	Sandy Loam	
12 - 18	7.5YR 5/3	90	7.5YR 6/2	10	D	M	Silty Clay Loam	
					<u> </u>			
					<u> </u>			
		letion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.		ore Lining, M=Matrix.
Hydric Soil								s for Problematic Hydric Soils ³ :
Histosol			Dark Surface					Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be					t Prairie Redox (A16)
Black Hi			Thin Dark Su			147, 148)		LRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)			nont Floodplain Soils (F19)
	Layers (A5)		<u>✓</u> Depleted Ma		=0\			LRA 136, 147)
	ck (A10) (LRR N)	- (0.4.4)	Redox Dark					Shallow Dark Surface (TF12)
	d Below Dark Surface	e (ATT)	Depleted Da				Other	(Explain in Remarks)
	ark Surface (A12) lucky Mineral (S1) (I DD NI	Redox Depre			I DD N		
-	147, 148)	LKK N,	Iron-Mangan MLRA 13		es (F12) (LKK N,		
	Sleyed Matrix (S4)		Umbric Surfa	-	/MI D A 11	RE 122\	3Indicate	ors of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					d hydrology must be present,
-	Matrix (S6)		Red Parent I					disturbed or problematic.
	_ayer (if observed)	•	Red r arent r	viateriai (i	Z I) (IVILI	A 121, 17	1) unless	disturbed of problematic.
Type:	-uyo. (oboo. rou)	-						
	ches):						Hydric Soil Pre	sent? Yes V No
							nyunc 3011 Fre	sent: lesNo
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-11-15					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-338					
Investigator(s):KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 3-5						
Subregion (LRR or MLRA): P 136 Lat: 36.55810119 Long: -79.61647954 Datum: WGS 84						
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year?						
Are Vegetation, Soil, or Hydrology significantly distu	rrbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No 🗸	Is the Sampled Area within a Wetland? Yes No					
Wetland Hydrology Present? Yes No 🗸	within a Wetland? Yes No					
Remarks:						
None of the Aleman continued in continue (Continue)						
None of the three wetland parameters (i.e., we	etiand hydrology, hydrophytic vegetation, or					
hydric soils) were satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8						
High Water Table (A2) Hydrogen Sulfide Oc						
	res on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduce						
Sediment Deposits (B2) Recent Iron Reducti						
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re						
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	Nictotopographic Relief (D4) FAC-Neutral Test (D5)					
Field Observations:	1 AO-Neutral Test (D3)					
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
No hydrology was observed at this data point.						

22 (1	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC: 0 (
2. 3				Total Number of Dominant Species Across All Strata: 2 (
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (
6 7				Prevalence Index worksheet:
			er er	Total % Cover of: Multiply by:
50% of total cover:				OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 \times 2 = 0$
1				FAC species 13 x 3 = 39
2.				FACU species 91 x 4 = 364
				UPL species 8 x 5 = 40
3				Column Totals: 112 (A) 443
4				
5				Prevalence Index = B/A = 3.95
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
3		-		2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide suppo
50% of total cover:	20% of	total cover	:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				• • • • • • • • • • • • • • • • • • • •
_{1.} Dactylis glomerata	40		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
_{2.} Solidago altissima	30		FACU	1
3. Schedonorus pratensis	15		FACU	¹ Indicators of hydric soil and wetland hydrology mu be present, unless disturbed or problematic.
4. Sambucus canadensis	8		FAC	Definitions of Four Vegetation Strata:
Rubus argutus	6	,	FACU	Definitions of Four Vegetation Strata.
6. Daucus carota	5		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm
7. Dichanthelium clandestinum	5		FAC	more in diameter at breast height (DBH), regardles height.
8. Cirsium discolor	3	•	UPL	neight.
9				Sapling/Shrub – Woody plants, excluding vines, lethan 3 in. DBH and greater than or equal to 3.28 ft
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardl
	112	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 56.00				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft height.
1				rieight.
			·	
2				
4				Hydrophytic
5				Vegetation Present? Yes No _
F00/ -f1-1-1		= Total Cov		1103103
50% of total cover:		total cover		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree, sapling/shrub, or woody vine	strata	were 4	heery	ed at this data point
		****		\$4\$4 \$4\$ \$1111.7 \$4\$4\$\$4 \$7\$71111.

SOIL

Profile Desc	ription: (Describe	to the depth	needed to docun	ent the ir	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox	c Features	;					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	<u> </u>
0 - 18	10YR 4/3	100					Silt Loam			
								-		
-										
								-		
-										
										,
¹Type: C=Co	ncentration, D=Dep	letion RM=F	Reduced Matrix MS	=Masked	Sand Gra	ains	² Location: P	I =Pore I ini	ing M=Matrix	×
Hydric Soil I		iction, raw i	toddoca Matrix, Mc	Madrica	Ourid Oil					hydric Soils ³ :
Histosol			Dark Surface	(87)						-
	• •		Dark Surface		o (CO) /N	II D A 447			A10) (MLRA	-
	ipedon (A2)		Polyvalue Be				148) (e Redox (A16	9)
Black His			Thin Dark Su			47, 148)	_	(MLRA 14		
	n Sulfide (A4)		Loamy Gleye		-2)		F		oodplain Soil	s (F19)
	Layers (A5)		Depleted Mat					(MLRA 13		
	ck (A10) (LRR N)		Redox Dark S					•	v Dark Surfac	, ,
Depleted	l Below Dark Surfac	e (A11)	Depleted Dar	k Surface	(F7)		c	Other (Expla	in in Remark	(S)
Thick Da	rk Surface (A12)		Redox Depre	ssions (F8	3)					
Sandy M	lucky Mineral (S1) (I	_RR N,	Iron-Mangane	ese Masse	es (F12) (I	_RR N,				
MLRA	147, 148)		MLRA 130	6)						
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (I	MLRA 13	6, 122)	³ Ind	licators of h	ydrophytic ve	egetation and
Sandy R	edox (S5)		Piedmont Flo	odplain So	oils (F19)	(MLRA 14	8) we	etland hydro	ology must be	present,
	Matrix (S6)		Red Parent M					-	ed or proble	
	ayer (if observed):						Ì		<u> </u>	
Type:	,									
• • •	ches):						Hydric Soil	Present?	Yes	No 🗸
							Tiyane con	i icaciit:		_ ""
Remarks:										

Project/Site: Southeast Supply Enhancement Project City/Cou	nty: Pittsylvania County Sampling Date: 2024-11-15					
· — · ·	State: Virginia Sampling Point: DP-339					
Investigator(s):KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 2-4						
Subregion (LRR or MLRA): P 136 Lat: 36.55896247 Long: -79.61612439 Datum: WGS 84						
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed	d? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problematic	? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sample	ling point locations, transects, important features, etc.					
Hydric Soil Present? Tes No w	s the Sampled Area vithin a Wetland? Yes No _					
Wetland Hydrology Present? Yes No 🗸						
Only one (i.e., hydrophytic vegetation) of the threadata point.	ee wetland parameters was satisfied at this					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B1-						
High Water Table (A2) Hydrogen Sulfide Odor (
Saturation (A3) Oxidized Rhizospheres						
Water Marks (B1) Presence of Reduced Irr						
Sediment Deposits (B2) Recent Iron Reduction in						
Drift Deposits (B3) Thin Muck Surface (C7)						
Algal Mat or Crust (B4) Other (Explain in Remar						
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:	17.6 Neutral rest (56)					
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previo	us inspections), if available:					
Remarks:						
No hydrology was observed at this data point.						

/EGETATION (Four Strata) – Use scientific na	ames of	piants.		Sampling Point: DP-339
20.4.	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL_FACW_or_FAC: 100.00 (A/B)
				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
F00/ -ft-t-1		= Total Cove		OBL species 0 x 1 = 0
50% of total cover:	20% or	total cover:		FACW species 60 x 2 = 120
Sapling/Shrub Stratum (Plot size: 15 ft r)				
1				
2				FACU species 25 x 4 = 100
3				UPL species $0 \times 5 = 0$
4				Column Totals: 100 (A) 265 (B)
5				2.65
				Prevalence Index = B/A = 2.65
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				· · · · · ·
1. Juncus effusus	60		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Eupatorium capillifolium	15		FACU	
3 Pinus taeda	15		FAC	¹Indicators of hydric soil and wetland hydrology must
4 Rubus allegheniensis	10		FACU	be present, unless disturbed or problematic.
·· ·				Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	100	= Total Cove	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50.00				
Woody Vine Stratum (Plot size: 30 ft r)		-		Woody vine – All woody vines greater than 3.28 ft in
1				height.
3				
4				Hydrophytic
5				Vegetation
		= Total Cove		Present? Yes V No No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			•
No tree, sapling/shrub, or woody vine	e strata	were o	bserv	ed at this data point.

SOIL

0 - 6 6 - 18 - -	Color (moist) 10YR 5/3 10YR 6/4	%		- Tardina	Donastic
		100	Color (moist) % Type ¹ Loc ²		Remarks
6 - 18 - - - -	10YR 6/4	100		Silt Loam	
- - - -		100		Sandy Loam	
<u>-</u> -					
<u>-</u>					
		<u> </u>			
	-				
-					
-					
		epletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: Pl	=Pore Lining, M=Matrix.
ydric Soil I					tors for Problematic Hydric Soils ³ :
_ Histosol			Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Below Surface (S8) (MLRA 14		oast Prairie Redox (A16)
_ Black His	stic (A3) n Sulfide (A4)		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
	d Layers (A5)		Loamy Gleyed Matrix (F2)Depleted Matrix (F3)	Pi	iedmont Floodplain Soils (F19) (MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark Surface (F6)	V	ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ace (A11)	Depleted Dark Surface (F7)		ther (Explain in Remarks)
	ark Surface (A12)	,	Redox Depressions (F8)		,
	lucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR N,		
MLRA	\ 147, 148)		MLRA 136)		
	Bleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		cators of hydrophytic vegetation and
	tedox (S5)		Piedmont Floodplain Soils (F19) (MLRA		tland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 1	47) unl	ess disturbed or problematic.
estrictive L	_ayer (if observed	i):			
Type:			_		.4
Depth (inc	ches):		<u> </u>	Hydric Soil	Present? Yes No
emarks:					

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2024-11-15					
· — · ·	State: Virginia Sampling Point: DP-340					
Investigator(s):KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 1-3						
Subregion (LRR or MLRA): P 136						
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? You	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problema						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	Is the Sampled Area within a Wetland? Yes No					
Only one (i.e., hydrophytic vegetation) of the th	nree wetland parameters was satisfied at this					
data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B						
High Water Table (A2) Hydrogen Sulfide Odd						
Saturation (A3) Oxidized Rhizosphere						
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reduction						
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Rem						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
No hydrology was observed at this data point.						
The fry droingy was observed at this data point.						
1						

	ames of	p		Sampling Point: DP-340
Trace Characterist (Distriction, 30 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1)		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				(***)
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$
1				FAC species <u>70</u> x 3 = <u>210</u>
2.				FACU species 23 x 4 = 92
3				UPL species <u>5</u>
4				Column Totals: <u>98</u> (A) <u>327</u> (B)
<u></u>				
5				Prevalence Index = B/A = 3.33
7				Hydrophytic Vegetation Indicators:
3				1 - Rapid Test for Hydrophytic Vegetation
_				2 - Dominance Test is >50%
9		= Total Cov	or	3 - Prevalence Index is ≤3.0¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 70 01	10101 00101		data in Remarks or on a separate sheet)
1. Microstegium vimineum	50	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Pinus taeda	20	~	FAC	
3. Eupatorium capillifolium	15		FACU	¹ Indicators of hydric soil and wetland hydrology must
Rubus allegheniensis	8		FACU	be present, unless disturbed or problematic.
5 Lespedeza repens	5	-	UPL	Definitions of Four Vegetation Strata:
v	-	-		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
D				Sapling/Shrub – Woody plants, excluding vines, less
9		-		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10		-		in tail.
11	98			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 49.00		= Total Cov		of size, and woody plants less than 3.26 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /6 01	total cover	10.00	Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
A				Hydrophytic
4				Vegetation
45				Present? Yes V No
		= Total Cov		Present? Yes V No No

Depth	Matrix	%	Redox Features	oc² Texture	Domarica
inches)	Color (moist)		Color (moist) % Type ¹ L		
0 - 18	10YR 4/4	100		Silt Loa	<u> </u>
-					
-					
_		<u> </u>		<u></u>	
	-				
-	-				
-					
					
vpe: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, MS=Masked Sand Grains	Location:	: PL=Pore Lining, M=Matrix.
	Indicators:	<u>, , , , , , , , , , , , , , , , , , , </u>	,	Inc	dicators for Problematic Hydric Soils ³ :
_ Histosol	(A1)		Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLR	A 147, 148)	Coast Prairie Redox (A16)
	istic (A3)		Thin Dark Surface (S9) (MLRA 147,		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)
	d Below Dark Surfa	ce (A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)
_ Thick Da	ark Surface (A12)		Redox Depressions (F8)		
_ Sandy N	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRF	l N,	
MLR	A 147, 148)		MLRA 136)		
_ Sandy C	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 1	22) 3	Indicators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Floodplain Soils (F19) (ML	.RA 148)	wetland hydrology must be present,
_ Stripped	d Matrix (S6)		Red Parent Material (F21) (MLRA 12	27, 147)	unless disturbed or problematic.
estrictive	Layer (if observed):			
Type:			<u></u>		
Depth (in	ches):			Hydric S	Soil Present? Yes No 🗸
emarks:					

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-11-15					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-341					
Investigator(s):KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0-2						
	Long: -79.61737436 Datum: WGS 84					
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distu	ırbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sai	mpling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No					
Wetland Hydrology Present? Yes No ✔	within a Wetland?					
Remarks:	1					
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	etiand hydrology, hydrophytic vegetation, or					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants						
High Water Table (A2) Hydrogen Sulfide O						
	res on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduce						
Sediment Deposits (B2) Recent Iron Reducti						
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re Iron Deposits (B5)	emarks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5)						
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
	,,					
Remarks:						
No hydrology was observed at this data point.						

Sampling	Point:	DP-341
Gairibiliu	I UIIIL.	

Remarks: (Include photo numbers here or on a separate sh	neet.)				
50% of total cover:					
	= Total Cover		er	Present? Yes No	
5				Vegetation	
4				Hydrophytic	
3					
2					
1					
Woody Vine Stratum (Plot size: 30 ft r)				height.	
50% of total cover: 18.00	20% of	total cover:	7.20	Woody vine – All woody vines greater than 3.28 ft in	
40.00		= Total Cove		of size, and woody plants less than 3.28 ft tall.	
11	20			Herb – All herbaceous (non-woody) plants, regardless	
10				m) tall.	
9				than 3 in. DBH and greater than or equal to 3.28 ft (1	
8				Sapling/Shrub – Woody plants, excluding vines, less	
7				height.	
6				more in diameter at breast height (DBH), regardless of	
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or	
5. Smilax rotundifolia	3		FAC	Definitions of Four Vegetation Strata:	
4 Lonicera japonica	5	<u> </u>	FACU	be present, unless disturbed or problematic.	
3. Allium canadense	8	~	FACU	¹ Indicators of hydric soil and wetland hydrology must	
2. Polystichum acrostichoides	10	~	FACU		
1. Microstegium vimineum	10	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
Herb Stratum (Plot size: 5 ft r)	== ,,, 0,1			data in Remarks or on a separate sheet)	
50% of total cover: 2.50		total cover:		4 - Morphological Adaptations ¹ (Provide supporting	
<u>. </u>	5	= Total Cove		3 - Prevalence Index is ≤3.0 ¹	
9.				2 - Dominance Test is >50%	
8				1 - Rapid Test for Hydrophytic Vegetation	
7				Hydrophytic Vegetation Indicators:	
6					
5				Prevalence Index = B/A = 3.44	
4				Column Totals: <u>96</u> (A) <u>331</u> (B)	
3				UPL species $\frac{5}{200}$ $\times 5 = \frac{25}{2001}$	
2				FACU species 43 x 4 = 172	
1. Elaeagnus umbellata	5		UPL	FAC species $\frac{38}{42}$ $\times 3 = \frac{114}{470}$	
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{10}{20}$ $\times 2 = \frac{20}{114}$	
50% of total cover: 27.50	20% of	total cover:	11.00	OBL species $0 \times 1 = 0$	
	= Total Cover			Total % Cover of: Multiply by:	
7					
6				Prevalence Index worksheet:	
5. Liriodendron tulipifera	5		FACU	That Are OBL, FACW, or FAC: 42.85 (A/B)	
4. Carya tomentosa	5		FACU	Percent of Dominant Species	
3. Ulmus americana	10		FACW	Species Across All Strata: 7 (B)	
2. Juniperus virginiana	10		FACU	Total Number of Dominant	
1. Liquidambar styraciflua	25		FAC	That Are OBL, FACW, or FAC: 3 (A)	
Tree Stratum (Plot size: 30 ft r)	-		Status	Number of Dominant Species	
00.6	Absolute	Dominant	Indicator	Dominance Test worksheet:	

SOIL Sampling Point: DP-341

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirm	the abse	nce of indicators.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Textur	e Remarks	
0 - 8	10YR 4/3	90	7.5YR 5/4	10	С	M	Silt Loa	<u> </u>	
8 - 18	2.5Y 6/3	100					Silt Loa	ım	
				-					
_									
	-								
								<u> </u>	
1Type: C=Cc	ncentration D=Den	letion PM	=Reduced Matrix, MS	S=Masker	d Sand Gr	———	² Location	n: PL=Pore Lining, M=Matrix.	
Hydric Soil I		ieuon, raivi	-Neduced Matrix, Mix	3-IVIASKE	J Sanu Gr	ali 15.		dicators for Problematic Hy	
Histosol			Dark Surface	(97)				_ 2 cm Muck (A10) (MLRA 1	
	oipedon (A2)		Polyvalue Be		re (S8) (N	II RΔ 147		Coast Prairie Redox (A16)	
Black His			Thin Dark Su					(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gleye			,,		_ Piedmont Floodplain Soils	(F19)
	Layers (A5)		Depleted Ma		,		_	(MLRA 136, 147)	` ,
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface (I	- 6)		_	_ Very Shallow Dark Surface	e (TF12)
	Below Dark Surface	e (A11)	Depleted Da				_	Other (Explain in Remarks)
	rk Surface (A12)		Redox Depre						
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan		es (F12) (LRR N,			
	(147, 148)		MLRA 13		/MI DA 40	0 400\		31	
-	leyed Matrix (S4)		Umbric Surfa				10\	³ Indicators of hydrophytic veg	
-	edox (S5) Matrix (S6)		Piedmont Florent New Parent Ne					wetland hydrology must be unless disturbed or problem	
	_ayer (if observed):		Neu Falelit I	viateriai (i	ZI) (WILK	A 121, 141	') 	unless disturbed or problem	alic.
Type:							11	0-!! D10 - V	No 🗸
	ches):						Hyaric	Soil Present? Yes	NO -
Remarks:									

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2024-11-15
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-342
Investigator(s):MS Section	n, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local reli	ef (concave, convex, none): Concave Slope (%): 2-4
Subregion (LRR or MLRA): P 136 Lat: 36.81751846	
Soil Map Unit Name: 9B - Lackstown fine sandy loam, 2 to 7 per	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes Yes No No No V	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No	
Only one (i.e., hydrophytic vegetation) of the the	nee wetiand parameters was satisfied at tills
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (I	
High Water Table (A2) Hydrogen Sulfide Odd Saturation (A3) Oxidized Rhizosphere	
Value Marks (B1) Presence of Reduced	
Sediment Deposits (B2) — Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Ren	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

Total Number of Dominant Species Across All Strata: 4 (Percent of Dominant Species Across All Strata: 4 (Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (Interest of Dominant Species That Are OBL, FACW, or FA	00.5	Absolute			Dominance Test worksheet:
Total Number of Dominant Species Across All Strata: 4 (Percent of Dominant Species Across All Strata: 10 (Percent of Dominant Species Across All Strata: 10 (Percent of Dominant Species Across All Strata: 10 (Percent of Dominant Species Across All Strata: 10 (Percent of Dominant Species Across All Strata: 10 (Percent of Dominant Species Across All Strata: 10 (Percent of Dominant Species Across All Acr	,				Number of Dominant Species
Species Across All Strata: 4 (Pinus taeda	5		FAC	That Are OBL, FACW, or FAC: 3 (A)
Species Across All Strata: 4 (1) Species Across All Strata: 4 (1)					Total Number of Dominant
Total Cover					
Total Cover	-				Description of Description
	<u>. </u>				
Total Scover Total Cover Total Cover Total Cover Total Scover Total S					
Solidation Stratum Color Solidation Stratum Color Solidation Stratum Color Solidation S					
50% of total cover: 2.50		5	= Total Cov	er	
Juniperus virginiana 5	50% of total cover: 2.50	20% of	total cover:	1.00	
Juniperus virginiana 5	Sapling/Shrub Stratum (Plot size: 15 ft r				
FACU species 32		5	~	FACU	
UPL species U x 5 = U Column Totals: 125 (A) 382 Prevalence Index = B/A = 3.05 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet) Arthraxon hispidus 50					FACU species 32
Column Totals: 125 (A) 382 Prevalence Index = B/A = 3.05 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Donatory Indicators in Spow of total cover: 1.00 1 - Rapid Test for Hydrophytic Vegetation 2 - Donatory Indicators in Spow of total cover: 1.00 1 - Rapid Test for Hydrophytic Vegetation 2 - Problematic Hydrophytic Vegetation in Glocators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Donatory Indicators of Indicators in Spow of total cover: 1.00 2 - Donatory Indicators of Hydric soil and wetland hydrology must be present, unless disturbed or problematic. Problematic Hydrophytic Vegetation in German in Indicators of Hydrophytic Vegetation indicators in Indicators of Hydrophytic Vegetation indicators indicators in Indicators of Hydrophytic Vegetation indicators in Indicators in Indicators of Hydrophytic Vegetation indicators in Indicators of					UPL species $0 \times 5 = 0$
Prevalence Index = B/A = 3.05 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation					Column Totals: 125 (A) 382 (B
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation					
1 - Rapid Test for Hydrophytic Vegetation 50% of total cover: 2.50 1 - Rapid Test for Hydrophytic Vegetation 50% of total cover: 2.50 20% of total cover: 1.00 15					
Solanum carolinense					Hydrophytic Vegetation Indicators:
Some of total cover: 2.50					1 - Rapid Test for Hydrophytic Vegetation
Solation			-		✓ 2 - Dominance Test is >50%
Solidation Sol					3 - Prevalence Index is ≤3.0 ¹
Arthraxon hispidus	500/ of total agrees 2.50				4 - Morphological Adaptations ¹ (Provide supporti
Arthraxon hispidus Juncus effusus Dactylis glomerata Aster lateriflorus Panicum scoparium Tea — Woody Vine Stratum (Plot size: 30 ft r Moody Vine Moody Vine Stratum Moody Vine Moody Vine Stratum Moody Vine Moody Vine Moody Vine Stratum Moody Vine Moody Vin		20% 01	total cover:	1.00	data in Remarks or on a separate sheet)
Juncus effusus Juncus effusus Dactylis glomerata Aster lateriflorus Panicum scoparium Schedonorus pratensis Rubus allegheniensis Sambucus canadensis Solanum carolinense Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardles height. Saphing/Shrub – Woody plants, excluding vines, 8 in DBH and greater than or equal to 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r) Tree – Woody plants, excluding vines, 8 in DBH and greater than or equal to 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r) Tree – Woody plants, excluding vines, 8 in DBH and greater than or equal to 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r) Tree – Woody plants, excluding vines, 8 in DBH and greater than or equal to 3.28 ft tall. Woody Vine – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft height. Hydrophytic Vegetation Present? Yes No		50	./	EΔC	Problematic Hydrophytic Vegetation ¹ (Explain)
Dactylis glomerata 12					
Aster lateriflorus 10 FACW Definitions of Four Vegetation Strata:					¹ Indicators of hydric soil and wetland hydrology must
Panicum scoparium 10					
Schedonorus pratensis 8	··				Definitions of Four Vegetation Strata:
Rubus allegheniensis Rubus allegheniensis Sambucus canadensis Solanum carolinense Solanum carolinense Solomin			-		Tree Woody plants evaluding vince 2 in (7.6 cm)
Neight N			-		
Solanum carolinense 2 FACU 10. 11. 50% of total cover: 57.50 Noody Vine Stratum (Plot size: 30 ft r 11. 12. Total Cover 20% of total cover: 23.00 Noody Vine Stratum (Plot size: 30 ft r 12. Total Cover 20% of total cover: 23.00 Total Cover					
than 3 in. DBH and greater than or equal to 3.28 ft m) tall. Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r) Woody Vine Stratum (Plot size: 30 ft r) Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than or equal to 3.28 ft m) tall. Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft height. Hydrophytic Vegetation Present? Yes V No			-	FAC	Sanling/Shrub - Woody plants excluding vines less
m) tall. Herb – All herbaceous (non-woody) plants, regardly of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r)	Solanum carolinense	2		<u>FACU</u>	than 3 in. DBH and greater than or equal to 3.28 ft (1
115 = Total Cover 50% of total cover: 57.50 20% of total cover: 23.00 Woody Vine Stratum (Plot size: 30 ft r) Woody Vine Stratum (Plot size: 30 ft r) Woody Vine All woody vines greater than 3.28 ft height. Hydrophytic Vegetation Present? Yes Vegetation No No	0				
115 = Total Cover 50% of total cover: 57.50 20% of total cover: 23.00 Woody Vine Stratum (Plot size: 30 ft r)	1				Herb – All herbaceous (non-woody) plants, regardles
50% of total cover: 57.50 20% of total cover: 23.00 Noody Vine Stratum (Plot size: 30 ft r) Solution The stratum (Plot size: 57.50 20% of total cover: 23.00 woody vine – All woody vines greater than 3.28 ft height. The stratum (Plot size: 57.50 20% of total cover: 23.00 woody vine – All woody vines greater than 3.28 ft height. The stratum (Plot size: 57.50 20% of total cover: 23.00 woody vine – All woody vines greater than 3.28 ft height. The stratum (Plot size: 57.50 20% of total cover: 23.00 woody vine – All woody vines greater than 3.28 ft height.		115	= Total Cov	er	
Noody Vine Stratum (Plot size: 30 ft f	50% of total cover: <u>57.50</u>	20% of	total cover:	23.00	Mandy vine All woody vines greater than 2.20 ft in
Hydrophytic Vegetation Present? Yes V No	Voody Vine Stratum (Plot size: 30 ft r)				, ,
2	1				
3					
#					
5 = Total Cover					Hadron bods
= Total Cover Present? Yes V No					
10tal 00vcl	^				Present? Yes V No No
	50% of total cover				
Remarks: (Include photo numbers here or on a separate sheet.)				-	

Profile Desc	ription: (Describe	to the de	pth needed to docur	ment the	indicator	or confirn	n the absence	of indicators.)	
Depth	Matrix		Redo	x Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	rks
0 - 3	10YR 4/3	100					Silt Loam		
3 - 12	10YR 5/4	98	10YR 5/8	2	С	М	Sandy Loam		
12 - 18	10YR 5/2	85	7.5YR 5/6	15	С	М	Sandy Clay Loam		_
		_							
		_			-	_			
	-		· ·				-		
		_							
				-					
				-					
¹Type: C=Co	oncentration, D=Dep	pletion, RM	1=Reduced Matrix, M	S=Maske	d Sand Gi	rains.	² Location: PL	L=Pore Lining, M=Ma	ıtrix.
Hydric Soil I								tors for Problemati	
Histosol	(A1)		Dark Surface	e (S7)			2	cm Muck (A10) (MLF	RA 147)
	pipedon (A2)		Polyvalue Be		ace (S8) (I	MLRA 147,		oast Prairie Redox (A	
Black His			Thin Dark Su					(MLRA 147, 148)	
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		Pi	iedmont Floodplain S	ioils (F19)
Stratified	Layers (A5)		Depleted Ma	trix (F3)				(MLRA 136, 147)	
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface (F6)		Ve	ery Shallow Dark Sur	face (TF12)
	Below Dark Surface	ce (A11)	Depleted Da	rk Surfac	e (F7)			ther (Explain in Rema	
Thick Da	rk Surface (A12)		Redox Depre	essions (F	- 8)				
Sandy M	lucky Mineral (S1) (LRR N,	Iron-Mangan	ese Mass	ses (F12)	(LRR N,			
MLRA	147, 148)		MLRA 13						
	leyed Matrix (S4)		Umbric Surfa		(MLRA 1	36, 122)	³ Indi	icators of hydrophytic	vegetation and
	edox (S5)		Piedmont Flo					tland hydrology must	
	Matrix (S6)		Red Parent N					ess disturbed or prob	
	ayer (if observed)):	_		/ (,	1		
Type:	,								
	ches):						Hydric Soil	Present? Yes	No <u> </u>
Remarks:									

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-11-19
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-343
Investigator(s):JDF, MCS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local rel	
	Long:79.616393 Datum: WGS 84
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percer	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	l <u>.</u>
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No ✔	within a Wetland:
Remarks:	
None of the three wetland parameters (i.e., we	tland bydrology, bydronbytic vogotation, or
	tiand flydrology, flydropflytic vegetation, or
hydric soils) were satisfied at this data point.	
HADBOLOGA	_
HYDROLOGY Westland Hydrology Indicators:	Coondany Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6) B14) Sparsely Vegetated Concave Surface (B8)
Surface Water (A1) True Aquatic Plants (High Water Table (A2) Hydrogen Sulfide Od	
	or (C1) Drainage Patterns (B10) es on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) — Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (0	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
, J J J J J J J J J J J J J J J J J J J	
Remarks:	
No hydrology was observed at this data point.	
,	

50% of total cover: 20	9% of	= Total C	over	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 50 x 2 = 100 FAC species 67 x 4 = 268 UPL species 0 x 5 = 0 Column Totals: 132 (A) 413 (B) Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
50% of total cover: 20	0% of	= Total C f total cove	over er: FACU FACW	Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 50 x 2 = 100 FAC species 15 x 3 = 45 FACU species 67 x 4 = 268 UPL species 0 x 5 = 0 Column Totals: (A) 413 (B) Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover:	9% of	= Total C f total cove	over er: FACU FACW	Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 50 x 2 = 100 FAC species 15 x 3 = 45 FACU species 67 x 4 = 268 UPL species 0 x 5 = 0 Column Totals: 132 (A) 413 (B) Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover: 20 Sapling/Shrub Stratum (Plot size: 15 ft r) 50% of total cover: 20 Selection Stratum (Plot size: 5 ft r) Schedonorus pratensis	9% of	= Total C	over FACU FACW	That Are OBL, FACW, or FAC: 50.00 (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 15 x 3 = 45 FACU species 67 x 4 = 268 UPL species 0 x 5 = 0 Column Totals: 132 (A) 413 (B) Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover: 20	9% of	= Total C	over FACU FACW	That Are OBL, FACW, or FAC: 50.00 (A/B Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 15 x 3 = 45 FACU species 67 x 4 = 268 UPL species 0 x 5 = 0 Column Totals: 132 (A) 413 (B) Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover: 20	9% of	= Total C	over FACU FACW	Total % Cover of: OBL species OBL species FACW species DESCRIPTION FAC species FAC species FACU species FACU species OED STACU Species
50% of total cover: 20	0% of	= Total C	over FACU FACW	Total % Cover of: OBL species OBL species FACW species DESCRIPTION FAC species FAC species FACU species FACU species OED STACU species
Sapling/Shrub Stratum (Plot size: 15 ft r) 50% of total cover:	0% of	= Total C	over FACU FACW	OBL species 0 x 1 = 0 FACW species 15 x 3 = 45 FACU species 67 x 4 = 268 UPL species 0 x 5 = 0 Column Totals: 132 (A) 413 (B) Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Sapling/Shrub Stratum (Plot size: 15 ft r) 50% of total cover:		= Total C	over FACU FACW	FACW species 50
50% of total cover: 20 Herb Stratum (Plot size: 5 ft r) Schedonorus pratensis		= Total C	pover er:FACU_FACW	FAC species 15
50% of total cover:		= Total C	pover er:FACU_FACW	FACU species 67
50% of total cover:		= Total C	pover er:FACU_FACW	UPL species 0 x 5 = 0 413 (B) Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover:		= Total C	pover er: FACU FACW	Column Totals: 132 (A) 413 (B) Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover:		= Total C	pover er: FACU FACW	Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover:20 derb Stratum (Plot size: 5 ft r) Schedonorus pratensis		= Total C	pover er: FACU FACW	Prevalence Index = B/A = 3.12 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover:		= Total C	pver er: FACU FACW	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover: 20 Herb Stratum (Plot size: 5 ft r) Schedonorus pratensis		= Total C	pover er: FACU FACW	1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover: 20		= Total C	FACU FACW	2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover: 20		= Total C	FACU FACW	3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover:		= Total C	FACU FACW	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
Schedonorus pratensis 45 Schedonorus pratensis 45 Bidens frondosa 40 Symphyotrichum ericoides 15 Arthraxon hispidus 10 Panicum scoparium 10 Lespedeza cuneata 5 Setaria pumila 5 Solidago altissima 2 0.		total cov	FACU FACW	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
Schedonorus pratensis			FACU FACW	Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must
1. Schedonorus pratensis 45 2. Bidens frondosa 40 3. Symphyotrichum ericoides 15 4. Arthraxon hispidus 10 5. Panicum scoparium 10 6. Lespedeza cuneata 5 7. Setaria pumila 5 3. Solidago altissima 2 10. 10		. ——	FACW	¹ Indicators of hydric soil and wetland hydrology must
Bidens frondosa 40 Symphyotrichum ericoides 15 Arthraxon hispidus 10 Panicum scoparium 10 Lespedeza cuneata 5 Setaria pumila 5 Solidago altissima 2		. ——	FACW	¹ Indicators of hydric soil and wetland hydrology must
Symphyotrichum ericoides 15 A Arthraxon hispidus 10 Espedieza cuneata 5 Setaria pumila 5 Solidago altissima 2				
Arthraxon hispidus 10 5 Panicum scoparium 10 6 Lespedeza cuneata 5 7 Setaria pumila 5 8 Solidago altissima 2		-	FACU	
Panicum scoparium Lespedeza cuneata Setaria pumila Solidago altissima 2 Do. Do.				
5 Lespedeza cuneata 5 7 Setaria pumila 5 8 Solidago altissima 2			_ FAC	Definitions of Four Vegetation Strata:
Setaria pumila 5 Solidago altissima 2			FACW	
Solidago altissima 2			FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
)			FAC	height.
10		· ·	FACU	
10				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
				m) tall.
l1				
132		= Total C		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 66.00 20				
Noody Vine Stratum (Plot size: 30 ft r)	,,, 0	total cov	, <u></u>	Woody vine – All woody vines greater than 3.28 ft in
				height.
2				
3				
4				Hydrophytic
5		·		Vegetation
		= Total C		Present? Yes No
50% of total cover: 20		total cov	er:	
Remarks: (Include photo numbers here or on a separate sheet.)				
do trop capling/shrub or woody vino st	catr	Moro	obcony	ad at this data point
No tree, sapling/shrub, or woody vine sti	ala	were	onserv	eu at tilis uata poliit.

Depth	Matrix Color (moist)	%		x Featur		Loc ²	Toytura	Remarks
(inches) 0 - 12	10YR 4/3	 96	Color (moist)	<u>%</u> 2	Type ¹ C		<u>Texture</u>	Remarks
	101K 4/3	90	7.5YR 4/4			_ <u>M</u>	Clay Loam	
0 - 12			7.5YR 6/8	2	<u> </u>	<u>M</u>	Clay Loam	Secondary redox color.
-								
_		-						
	-		· 					
					_			
-								
-								
		_						
-								
vpe: C=C	oncentration, D=De	pletion, RM	1=Reduced Matrix, M	S=Maske	ed Sand G	Grains.	² Location: P	L=Pore Lining, M=Matrix.
	Indicators:		,				Indica	ators for Problematic Hydric Soils ³ :
_ Histosol	(A1)		Dark Surface	e (S7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ace (S8)	(MLRA 147.		Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			•		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			, -,	Р	riedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		,			(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark		(F6)		V	ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ce (A11)	Depleted Da	rk Surfac	e (F7)			Other (Explain in Remarks)
_ Thick Da	ark Surface (A12)		Redox Depre	essions (F8)			
_ Sandy N	lucky Mineral (S1)	(LRR N,	Iron-Mangan	ese Mas	ses (F12)	(LRR N,		
MLRA	\ 147, 148)		MLRA 13	66)				
_ Sandy G	Gleyed Matrix (S4)		Umbric Surfa	ace (F13)	(MLRA 1	136, 122)	³ Ind	icators of hydrophytic vegetation and
_ Sandy F	Redox (S5)		Piedmont Flo	oodplain	Soils (F19	9) (MLRA 1 4	l8) we	etland hydrology must be present,
_ Stripped	Matrix (S6)		Red Parent I	Material (F21) (ML	RA 127, 147	7) un	less disturbed or problematic.
	Layer (if observed):						
Type: Gr	avel							
Depth (in	ches): 12+						Hydric Soil	Present? Yes No V
emarks:	, <u>-</u>							<u> </u>

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-11-19
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-344
Investigator(s): JDF, MCS Section Sect	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local rel	lief (concave, convex, none): Concave Slope (%): 2-4
Subregion (LRR or MLRA): P 136 Lat: 36.557621	Long: -79.616981 Datum: WGS 84
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent	nt slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? \	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No 🗸	
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V No	Is the Sampled Area
Wetland Hydrology Present?	within a Wetland? Yes No
Remarks:	
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tiand flydrology, flydropflytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (0)	
Algal Mat or Crust (B4) Other (Explain in Rei	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

	Absolute	Dominan	t Indicator	Dominance Test worksheet:
Free Stratum (Plot size: 30 ft r)	% Cover			Number of Dominant Species
				That Are OBL, FACW, or FAC: 1 (A)
l				
				Total Number of Dominant Species Across All Strata: 2 (B)
				Opecies Across Air Strata.
				Percent of Dominant Species
i		-		That Are OBL, FACW, or FAC: 50.00 (A/B
)				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
		= Total Co		OBL species 0 x 1 = 0
50% of total cover:	20% 01	total cove	:r	FACW species 22 x 2 = 44
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 10
				FACU species 94 x 4 = 376
l				
·				Column Totals: <u>126</u> (A) <u>450</u> (B)
5				Prevalence Index = B/A = 3.57
i				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
l				
)				2 - Dominance Test is >50%
		= Total Co	ver	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:	20% of	total cove	r:	4 - Morphological Adaptations ¹ (Provide supportin
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
Solidago altissima	50	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Panicum scoparium	20	~	FACW	
Schedonorus pratensis	20	~	FACU	¹ Indicators of hydric soil and wetland hydrology must
Achillea millefolium	10	-	FACU	be present, unless disturbed or problematic.
Andropogon virginicus	5	-	FACU	Definitions of Four Vegetation Strata:
Dichanthelium clandestinum	5		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
Pycnanthemum virginianum	5		FAC	more in diameter at breast height (DBH), regardless of
Sorghastrum nutans	- 5		FACU	height.
2 Lespedeza cuneata	$-\frac{\sigma}{2}$	-	FACU	Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1
OScutellaria integrifolia	$-\frac{2}{2}$		FACW	m) tall.
1.Smilax glauca	_ 2		<u>FACU</u>	Herb – All herbaceous (non-woody) plants, regardless
20.0		= Total Co		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>63.0</u>	20% of	total cove	r: 25.20	Woody vine – All woody vines greater than 3.28 ft in
Voody Vine Stratum (Plot size: 30 ft r)				height.
3				
l <u>.</u>				Livelnombystic
5.				Hydrophytic Vegetation
		= Total Co	ver	Present? Yes No V
50% of total cover:				
Remarks: (Include photo numbers here or on a separate				1
remaine. (molade priote nambers here of on a separate	, oncot.)			
lo tree, sapling/shrub, or woody vi				

Profile Desc	ription: (Describe	to the de	pth needed to docu	ment the	indicator	or confirm	n the absence of ir	idicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	10YR 4/4	100	<u></u>	·			Loam	
7 - 15	10YR 4/4	98	7.5YR 3/4	2	D	М	Clay Loam	
15 - 18	10YR 5/4	98	7.5YR 3/4	2	D	М	Clay Loam	
							·	
		_			<u> </u>			
		_			<u> </u>			
			<u></u>					
		oletion, RN	1=Reduced Matrix, M	S=Maske	d Sand G	rains.		ore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators	for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			2 cm N	Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	elow Surfa	ace (S8) (I	MLRA 147	, 148) Coast	Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	urface (S9) (MLRA	147, 148)	(ML	.RA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		Piedm	ont Floodplain Soils (F19)
Stratified	Layers (A5)		Depleted Ma					RA 136, 147)
	ck (A10) (LRR N)		Redox Dark		F6)			Shallow Dark Surface (TF12)
	Below Dark Surfac	ce (A11)	Depleted Da	•				(Explain in Remarks)
	ark Surface (A12)	()	Redox Depre					(=
	lucky Mineral (S1) (IRRN	Iron-Mangan			(I RR N		
	147, 148)	LIXIX IV,	MLRA 13		503 (1 12)	(LIXIX IV,		
	eleyed Matrix (S4)		Umbric Surfa		/MIDA 1	26 122\	3Indicate	rs of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					hydrology must be present,
	Matrix (S6)		Red Parent I	Material (I	-21) (MLF	RA 127, 14	7) unless	disturbed or problematic.
Restrictive I	ayer (if observed)	:						
Type:								
	ches):						Hydric Soil Pres	sent? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-11-21
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-345
Investigator(s):KZ Secti	ion, Township, Range:
Landform (hillslope, terrace, etc.): Flat Local re	lief (concave, convex, none): None Slope (%): 1-3
Subregion (LRR or MLRA): P 136 Lat: 36.55842013	
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percentage	nt slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed.	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No ✔	within a Wetland?
Remarks:	<u></u>
None of the three wetland parameters (i.e., we hydric soils) were observed at this data point.	tland hydrology, hydrophytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oc	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction This Muck Surface (B2)	
Drift Deposits (B3) Thin Muck Surface (Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Davida	
Remarks:	
No hydrology was observed at this data point.	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Free Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
l.				That Are OBL, FACW, or FAC: 1 (A)
2				
				Total Number of Dominant Species Across All Strata: 2 (B)
				Species Across Air Strata.
ł <u>. </u>				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 50.00 (A/E
)				Prevalence Index worksheet:
·			. ——	Total % Cover of: Multiply by:
F00/ - 54-4-1		= Total Cov		OBL species 0 $x 1 = 0$
50% of total cover:	20% of	total cover		FACW species 5 x 2 = 10
Sapling/Shrub Stratum (Plot size: 15 ft r)				00
•				
s		-		01 L 3pecies x 5 =
l				Column Totals: <u>65</u> (A) <u>220</u> (B)
j				Prevalence Index = B/A = 3.38
)				
				Hydrophytic Vegetation Indicators:
3				1 - Rapid Test for Hydrophytic Vegetation
)				2 - Dominance Test is >50%
		= Total Cov	er	3 - Prevalence Index is ≤3.0¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Panicum scoparium	30	v	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Andropogon virginicus	20		FACU	
Solidago altissima	10		FACU	¹ Indicators of hydric soil and wetland hydrology must
Ulmus americana	- 10 - 5	-	FACW	be present, unless disturbed or problematic.
` 		-		Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of
		-		more in diameter at breast height (DBH), regardless of
7				height.
3				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10		-		m) tall.
l1				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>32.5</u>	0 20% of	total cover	13.00	Woody vine – All woody vines greater than 3.28 ft in
Noody Vine Stratum (Plot size: 30 ft r)				height.
I				
2.				
3				
1.				
5				Hydrophytic Vegetation
<u> </u>		= Total Cov		Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate		Jacan Gover		
temarks. (include prioto numbers here or on a separate	oneet.)			
lo tree, sapling/shrub, or woody vir	ne strata	were o	bserv	ed at this data point.
				• • • • • • • • • • • • • • • • • • •

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)	
Depth	Matrix			x Feature	es	-			
(inches)	Color (moist)	<u> %</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks	
0 - 12	10YR 4/3	95	2.5Y 6/2	5	<u>D</u>	<u>M</u>	Silt Loam		
12 - 18	10YR 4/3	85	2.5Y 6/2	10	D	M	Silt Loam		
12 - 18			7.5YR 5/4	5	С	M	Silt Loam	Secondary redox color.	
-									
-									
_	-								
				-		· ——			
						- ——			
									
	-				-				
		pletion, RN	I=Reduced Matrix, M	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.	
Hydric Soil								ators for Problematic Hydric Soils ³ :	
Histosol			Dark Surface					cm Muck (A10) (MLRA 147)	
-	oipedon (A2)		Polyvalue Be				, 148) C	oast Prairie Redox (A16)	
Black Hi	stic (A3) en Sulfide (A4)		Thin Dark Su Loamy Gleye	•	, .	147, 148)	D	(MLRA 147, 148) iedmont Floodplain Soils (F19)	
	d Layers (A5)		Depleted Ma		(1 2)			(MLRA 136, 147)	
	ick (A10) (LRR N)		Redox Dark		F6)		V	ery Shallow Dark Surface (TF12)	
	d Below Dark Surfac	ce (A11)	Depleted Da					other (Explain in Remarks)	
	ark Surface (A12)		Redox Depre						
	Mucky Mineral (S1)	LRR N,	Iron-Manganese Masses (F12) (LRR N,						
	147, 148)		MLRA 136) Umbric Surface (F13) (MLRA 136, 122) 3Indicators of hydrophytic vegetation and						
	Gleyed Matrix (S4) Redox (S5)		Piedmont Flo					tland hydrology must be present,	
	Matrix (S6)		Red Parent N						
	Layer (if observed)):			,,	· ·	1	·	
Type:									
Depth (in	ches):						Hydric Soil Present? Yes No 🗸		
Remarks:									

SOIL

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2024-11-21				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-346				
Investigator(s):KZ Section					
Landform (hillslope, terrace, etc.): Hillslope Local re					
Subregion (LRR or MLRA): P 136 Lat: 36.55849433					
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent slopes NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year?					
	rbed? Are "Normal Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes ✔ No					
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No No No	Is the Sampled Area				
Wetland Hydrology Present? Yes ✓ No	within a Wetland? Yes No				
Remarks:					
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2) Hydrogen Sulfide Oc					
Saturation (A3) Oxidized Rhizospher	res on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Presence of Reduce	d Iron (C4) Dry-Season Water Table (C2)				
Sediment Deposits (B2) Recent Iron Reduction	on in Tilled Soils (C6) Crayfish Burrows (C8)				
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re					
Iron Deposits (B5)	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)	Microtopographic Relief (D4)				
Aquatic Fauna (B13)	FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes No Depth (inches):					
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):					
(includes capillary fringe)	Wetland Hydrology Present? Yes No				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:				
Domarko					
Remarks:					

nt Indicator Status Status over er: FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (A/E) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 5 x 2 = 10
over er:	That Are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (A/E) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 5 x 2 = 10
over er:FAC	Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (A/E Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 5 x 2 = 10
over er:FAC	That Are OBL, FACW, or FAC: 75.00 (A/E Prevalence Index worksheet:
over er: FAC	Prevalence Index worksheet:
er:FAC	
er:FAC	OBL species $\frac{0}{5}$ $x 1 = \frac{0}{10}$ FACW species $\frac{5}{2}$ $x 2 = \frac{10}{2}$
FAC	FACW species <u>5</u> x 2 = <u>10</u>
	1 540
	FAC species 35 x 3 = 105 FACU species 12 x 4 = 48
	-
	-
	Prevalence Index = B/A = 3.13
	Hydrophytic Vegetation Indicators:
	1 - Rapid Test for Hydrophytic Vegetation
	-
	3 - Prevalence Index is ≤3.0 ¹
over	4 - Morphological Adaptations ¹ (Provide supporting
er: 1.00	data in Remarks or on a separate sheet)
FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
FACU	•
FAC	¹ Indicators of hydric soil and wetland hydrology must
FACW	be present, unless disturbed or problematic.
	Definitions of Four Vegetation Strata:
	Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
	 more in diameter at breast height (DBH), regardless of height.
	. Holght.
	Sapling/Shrub – Woody plants, excluding vines, less
	 than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
	Hank All borbossons (non-useaks) plants, recording
	 Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
over er: 9.40	Woody vine – All woody vines greater than 3.28 ft in height.
er: 9.40	,
er: 9.40	-
er: 9.40	-
er: 9.40	
er: 9.40	- Hydrophytic Vegetation
er: 9.40	Hydrophytic Vegetation Present? Yes No
er: 9.40	Vegetation
er: 9.40	Vegetation
over	Vegetation Present? Yes No
er: 9.40	Vegetation Present? Yes No
C	Cover

inches) 0 - 6	Matrix	%		ox Feature		Loc ²	Taxetore	Damerile
	Color (moist)	<u></u>	Color (moist)	<u>%</u> 15	Type ¹	PL / M	Texture Silty Clay Loam	Remarks
	2.5Y 6/2	_ 70	10YR 6/8				Silty Clay Loam	
0 - 6			10YR 5/8	15	<u>C</u>	<u>M</u>	Silty Clay Loam	Secondary redox color.
6 - 18	2.5Y 6/2	60	10YR 6/8	15	С	PL / M	Silty Clay Loam	
6 - 18			10YR 5/8	25	С	М	Silty Clay Loam	Secondary redox color.
_					_			
			-		_			
			<u> </u>					
-								
	_		•	_				
ivne: C=C	oncentration D=D	enletion RN		- 1S=Masko	d Sand G	raine	² Location: P	L=Pore Lining, M=Matrix.
	Indicators:	opiction, ren	n-reduced Matrix, is	no-iviasic	u oanu c	namo.	Indica	ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surfac	o (S7)				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue E	. ,	200 (58)	MI DA 147		Coast Prairie Redox (A16)
	istic (A3)		Tolyvalde E				0	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley			147, 140)	D	Piedmont Floodplain Soils (F19)
					(FZ)		<u> </u>	
	d Layers (A5)		<u>✓</u> Depleted M		Ε0)			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	,				Yery Shallow Dark Surface (TF12)
	d Below Dark Surface (A12)	ace (ATT)	Depleted D					Other (Explain in Remarks)
	ark Surface (A12)	/I DD N	Redox Dep			/I DD N		
	Mucky Mineral (S1)	(LKK N,	Iron-Manga		ses (F12)	(LKK N,		
	A 147, 148)		MLRA 1	-	/MI DA 4	20 420)	31	
	Gleyed Matrix (S4)		Umbric Sur					licators of hydrophytic vegetation and
	Redox (S5)		Piedmont F					etland hydrology must be present,
	d Matrix (S6)	.1\	Red Parent	Materiai (F21) (ML	RA 127, 147	() un	less disturbed or problematic.
	Layer (if observe	a):						
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes V No No
amedice:								
еттагкѕ:								
етпагкѕ:								
етпагкѕ:								
етагкѕ:								
етпагкѕ:								
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anarks:								

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2024-11-21				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-347				
Investigator(s):KZ Section, Township, Range:					
Landform (hillslope, terrace, etc.): Hillslope Local re					
Subregion (LRR or MLRA): $\frac{P\ 136}{Soil\ Map\ Unit\ Name:} \frac{23C}{Soil\ Map\ Unit\ Name:} \frac{23C}{Soil\ Map\ Unit\ Name:} \frac{23C}{Soil\ Map\ Unit\ Name:} \frac{23C}{Soil\ Name:} \frac{23C}{Soil\$	ent slopes				
Are climatic / hydrologic conditions on the site typical for this time of year?					
Are Vegetation, Soil, or Hydrology significantly distu					
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No					
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓				
Wetland Hydrology Present? Yes No	Within a Wetland:				
Remarks:					
None of the three wetland parameters (i.e., we	atland hydrology, hydrophytic vegetation, or				
	dana nyarology, nyaropnyalo vegetation, or				
hydric soils) were satisfied at this data point.					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2) Hydrogen Sulfide Oc	dor (C1) Drainage Patterns (B10)				
Saturation (A3) Oxidized Rhizospher	res on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Presence of Reduce	d Iron (C4) Dry-Season Water Table (C2)				
Sediment Deposits (B2) Recent Iron Reduction	on in Tilled Soils (C6) Crayfish Burrows (C8)				
Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4) Other (Explain in Re	marks) Stunted or Stressed Plants (D1)				
Iron Deposits (B5)	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)	Microtopographic Relief (D4)				
Aquatic Fauna (B13)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Depth (inches):					
Water Table Present? Yes No Depth (inches): Depth (inches): No Ves No Ves Depth (inches): Depth (inches): Depth (inches): No Ves No Ves Depth (inches): Depth (inches): Depth (inches): Depth (inches): Depth (inches): No Ves No					
(includes capillary fringe)	Wetland Hydrology Present? Yes No				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:				
Remarks:					
No hydrology was observed at this data point					
No hydrology was observed at this data point.					

20 4 7	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Quercus alba	15		FACU	That Are OBL, FACW, or FAC: 3 (A)
2 _. Carya tomentosa	10		FACU	Total Number of Dominant
3. Liquidambar styraciflua	10		FAC	Species Across All Strata: 7 (B)
4. Pinus taeda	10		FAC	
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 42.85 (A/E
6				That Ale OBE, I AOW, OI I AO.
7				Prevalence Index worksheet:
· ·	45	= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover: 22.50				OBL species $0 x 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$
1				FAC species 25 x 3 = 75
				FACU species 45 x 4 = 180
2				UPL species 0 x 5 = 0
3				Column Totals: 70 (A) 255 (B
4				(1)
5				Prevalence Index = B/A = 3.64
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Co		4 - Morphological Adaptations ¹ (Provide supportir
50% of total cover:	20% of	total cover	::	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Lonicera japonica	15		FACU	1 Toblematic Trydrophytic Vegetation (Explain)
2. Andropogon virginicus	5	~	FACU	Indicators of hydric call and watland hydrology must
3. Smilax rotundifolia	5		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of
7				height.
8			- '	
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				
···		= Total Co	vor	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 12.50				
Woody Vine Stratum (Plot size: 30 ft r				Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
500 / 5/ 1		= Total Co		i resent: res NO
50% of total cover:		total cover	·	
Remarks: (Include photo numbers here or on a separate s	neet.)			
No sapling/shrub or woody vine strat	a were	obser	ved at t	this data point
				COLOR MARIA MARIELLA

US Army Corps of Engineers

								int: <u>DP-3</u> 4
ofile Desc	ription: (Describ	e to the dep	th needed to docu	ment the indicator	or confirm the	absence of indicate	ors.)	
epth	Matrix		Redo	x Features				
nches)	Color (moist)	%	Color (moist)	<u>%</u> Type ¹	Loc ² To	exture	Remarks	
0 - 10	2.5Y 5/6	100			Silt	Loam		
0 - 18	2.5Y 6/6	100		·	Silt	Loam		
				·				
	-							
-								
_					_ <u> </u>			
	-							
								
-								
-								
		epletion, RM=	Reduced Matrix, M	S=Masked Sand G	rains. Loc	cation: PL=Pore Lin		dria Caila ³ .
	ndicators:			(07)		Indicators for P	-	
Histosol			Dark Surface		MI DA 447 440	2 cm Muck (+/)
Black His	ipedon (A2)			elow Surface (S8) (urface (S9) (MLRA		Coast Prairie (MLRA 14		
	n Sulfide (A4)			ed Matrix (F2)	147, 140)		oodplain Soils (F10)
	Layers (A5)		Depleted Ma			(MLRA 1		1 13)
	ck (A10) (LRR N)		Redox Dark				v Dark Surface	(TF12)
	Below Dark Surfa	ace (A11)		rk Surface (F7)		Other (Expla		
	rk Surface (A12)	,	Redox Depre				,	
	lucky Mineral (S1)	(LRR N,		ese Masses (F12)	(LRR N,			
	147, 148)		MLRA 13	66)				
	leyed Matrix (S4)			ace (F13) (MLRA 1			ydrophytic veg	
Sandy R	edox (S5)		Piedmont Flo	oodplain Soils (F19) (MLRA 148)	wetland hydro	ology must be p	resent,
	Matrix (S6)		Red Parent I	Material (F21) (MLI	RA 127, 147)	unless disturb	ed or problema	itic.
strictive L	ayer (if observed	d):						
Туре:								
Denth (inc	ches):		<u></u>		Ну	dric Soil Present?	Yes	No 🔽
Sehm (IIIC								
marks:								

Project/Site: Southeast Supply Enhancement Project Cit	ty/County: Pittsylvania County Sampling Date: 2024-11-21				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLo					
Investigator(s):KZ Se	ection, Township, Range:				
• , , -	relief (concave, convex, none): Concave Slope (%): 2-4				
	Long: -79.60506265 Datum: WGS 84				
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percent slopes NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year'					
	sturbed? Are "Normal Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology naturally problem.					
SUMMARY OF FINDINGS – Attach site map showing s	ampling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area				
Hydric Soil Present? Yes No <u>✓</u>	within a Wetland? Yes No 🗸				
Wetland Hydrology Present? Yes No <u>✓</u>					
Remarks:					
Only one (i.e., hydrophytic vegetation) of the	e three wetland parameters was satisfied at this				
	tillee wetland parameters was satisfied at tills				
data point.					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plan					
High Water Table (A2) Hydrogen Sulfide					
	heres on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Presence of Redu Sediment Deposits (B2) Recent Iron Redu	uced Iron (C4) Dry-Season Water Table (C2) uction in Tilled Soils (C6) Crayfish Burrows (C8)				
Sediment Deposits (B2) Recent from Redu Drift Deposits (B3) Thin Muck Surface					
Algal Mat or Crust (B4) Other (Explain in					
Iron Deposits (B5)	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)	Microtopographic Relief (D4)				
Aquatic Fauna (B13)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No Depth (inches):_					
Water Table Present? Yes No Depth (inches):_					
Saturation Present? Yes No Depth (inches):_					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	nrevious inspections) if available:				
Describe Necorded Data (stream gauge, mornioring well, acrial protos,	ргечтоиз ттъресиотъ), п ачапавте.				
Remarks:					
No hydrology was observed at this data poin	ıt .				
The figure logy was observed at this data point					

Samplin	a Point	DP-348
Sambilli	u r oiiit.	

20 4 **	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?	Status	Number of Dominant Species	
1. Acer rubrum	25		FAC	That Are OBL, FACW, or FAC: 5 (A))
2. Liquidambar styraciflua	10		FAC	Total Number of Dominant	
3. Quercus phellos	10		FAC	Species Across All Strata: 6 (B))
4. Carpinus caroliniana	5		FAC	Percent of Dominant Species	
5				That Are OBL, FACW, or FAC: 83.33 (A/	/B)
6				Breeden on Indexessatistics (
7				Prevalence Index worksheet:	
		= Total Cov		Total % Cover of: Multiply by:	
50% of total cover: 25.00	20% of	total cover:	10.00	OBL species $0 \times 1 = 0$	
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{0}{61}$ x 2 = $\frac{0}{102}$	
1				FAC species 61 $\times 3 = 183$	
2				FACU species $\frac{5}{2}$ $x 4 = \frac{20}{2}$	
3				UPL species $0 \times 5 = 0$	
4				Column Totals: 66 (A) 203 (E	3)
5				Decorded as Index D/A 3.07	
6				Prevalence Index = B/A = 3.07	
7				Hydrophytic Vegetation Indicators:	
8				1 - Rapid Test for Hydrophytic Vegetation	
9				✓ 2 - Dominance Test is >50%	
<u> </u>		= Total Cov		3 - Prevalence Index is ≤3.0¹	
50% of total cover:				4 - Morphological Adaptations ¹ (Provide support	ing
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
1. Pinus taeda	5	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
2 Lonicera japonica	3	~	FACU		
3 Smilax rotundifolia	3	~	FAC	¹ Indicators of hydric soil and wetland hydrology must	t
4 Andropogon virginicus	2		FACU	be present, unless disturbed or problematic.	
5				Definitions of Four Vegetation Strata:	
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm)	
_				more in diameter at breast height (DBH), regardless	of
7 8.				height.	
•				Sapling/Shrub – Woody plants, excluding vines, les	
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	1
10		-		,	
11	13			Herb – All herbaceous (non-woody) plants, regardles	SS
500/ of total agreem 6.50		= Total Cov total cover:		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 6.50	20% 01	total cover:	2.00	Woody vine - All woody vines greater than 3.28 ft in	1
Woody Vine Stratum (Plot size: 30 ft r) 1 Vitis rotundifolia	3		FAC	height.	
			r <u>AC</u>		
2					
3					
4				Hydrophytic	
5				Vegetation	
		= Total Cov		Present? Yes No No	
50% of total cover: 1.50	20% of	total cover:	0.60		
Remarks: (Include photo numbers here or on a separate sl	neet.)				
No capling/chrub stratum was observ	, ad at t	hia dat	a naint	•	

No sapling/shrub stratum was observed at this data point.

Depth	Matrix	%		ox Feature		Loc²	Toyturo		Domorko
(inches)	Color (moist)		Color (moist)	30	Type ¹		Texture Sandy Clay Loam		Remarks
0 - 12	2.5Y 6/3	70	7.5YR 5/8	30	<u>C</u>	<u>PL / M</u>			
12 - 18	2.5Y 6/3	60	7.5YR 5/8	40	С	PL / M	Sandy Loam		
-									
_									
					-				
			-		-				
-									
-									
_									
		_			-				
			<u> </u>						
ype: C=Co	oncentration, D=De	epletion, RN	M=Reduced Matrix, M	IS=Maske	d Sand G	rains.	² Location: P	L=Pore Lining,	M=Matrix.
ydric Soil I	Indicators:						Indica	ators for Probl	ematic Hydric Soils³:
_ Histosol	(A1)		Dark Surfac	e (S7)			2	cm Muck (A10	(MLRA 147)
_ Histic Ep	oipedon (A2)		Polyvalue B	elow Surfa	ace (S8) (MLRA 147,	148) 0	Coast Prairie Re	dox (A16)
_ Black His	stic (A3)		Thin Dark S	urface (S9) (MLRA	147, 148)		(MLRA 147, 1	48)
_ Hydroge	n Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		P	iedmont Floodp	olain Soils (F19)
	d Layers (A5)		Depleted Ma	atrix (F3)				(MLRA 136, 1	
	ıck (A10) (LRR N)		Redox Dark						rk Surface (TF12)
	d Below Dark Surfa	ace (A11)	Depleted Da				c	Other (Explain in	Remarks)
	ark Surface (A12)		Redox Depr						
	lucky Mineral (S1)	(LRR N,	Iron-Manga		ses (F12)	(LRR N,			
	A 147, 148)		MLRA 1	•			3.		
	Sleyed Matrix (S4)		Umbric Surf						phytic vegetation and
	Redox (S5)		Piedmont FI						must be present,
	Matrix (S6)		Red Parent	Material (I	-21) (ML I	RA 127, 147	7) un	less disturbed of	or problematic.
	OVAL (it Obsarva)	1):							
	Layer (if observed	-,-							
Type:	Layer (II Observed								
Туре:	ches):						Hydric Soil	Present? Ye	es No_ <u>'</u>
Type:							Hydric Soil	Present? Y	es No_ <u>/</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? You	es No <u>v</u>
Type:							Hydric Soil	Present? Yo	es No <u>*</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No <u>/</u>
Type:							Hydric Soil	Present? Yo	es No <u>/</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? Yo	es No <u>*</u>
Type:							Hydric Soil	Present? Yo	es No_ <u>v</u>
Type:							Hydric Soil	Present? Yo	es No_ <u>v</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No_ <u>v</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No_ <u>v</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No_ <u>v</u>
Туре:							Hydric Soil	Present? Yo	es No_ <u>v</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No_ <u>v</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No_ <u>v</u>
Type: Depth (inc							Hydric Soil	Present? Yo	es No_ <u>v</u>
Type:							Hydric Soil	Present? Yo	es No_ <u>v</u>

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-11-21					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-349					
Investigator(s):KZ Section	on, Township, Range:					
Landform (hillslope, terrace, etc.): Swale Local rel						
Subregion (LRR or MLRA): P 136 Lat: 36.57056892 Long: -79.60357633 Datum: WGS 84						
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percent slopes NWI classification: R4SBC						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distur	_					
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No No No No	Is the Sampled Area within a Wetland? Yes ✓ No					
Remarks:						
All three wetland parameters (i.e., wetland hyd soils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od						
Saturation (A3) Oxidized Rhizospher						
Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction						
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Rer						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
	, , , , , , , , , , , , , , , , , , , ,					
Remarks:						

Absolute % Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
			, , ,
			Total Number of Dominant
			Species Across All Strata: 2 (B)
			Develop of Development Countries
			Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
			Prevalence Index worksheet:
	= Total Cov		Total % Cover of: Multiply by:
			OBL species <u>0</u> x 1 = <u>0</u>
	-		FACW species $0 x 2 = 0$
5	~	FAC	FAC species <u>85</u> x 3 = <u>255</u>
			FACU species $0 x4 = 0$
			UPL species $0 x 5 = 0$
			Column Totals: 85 (A) 255 (B)
			Column Totals. (A)
			Prevalence Index = B/A = 3.00
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			✓ 2 - Dominance Test is >50%
			✓ 3 - Prevalence Index is ≤3.0 ¹
5 :	= Total Cove	er	4 - Morphological Adaptations ¹ (Provide supporting
20% of	total cover:	1.00	
			data in Remarks or on a separate sheet)
65		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
15		FAC	4
			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
			more in diameter at breast height (DBH), regardless of height.
			neight.
			Sapling/Shrub – Woody plants, excluding vines, less
			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
			m) tan.
0.0			Herb – All herbaceous (non-woody) plants, regardless
			of size, and woody plants less than 3.28 ft tall.
20% of	total cover:	10.00	Woody vine – All woody vines greater than 3.28 ft in
			height.
			Hydrophytic
			Vegetation
:	= Total Cov	er	Present? Yes V No No
20% of	total cover:		
sheet.)			
,			
			• •
bserved	l at this	data p	point.
bserved	l at this	data p	point.
	5 20% of 65 15 80 20% of 20% o	= Total Cover: 5	= Total Cover 20% of total cover: 5

	•	e to the de	pth needed to docur			or confirm	n the absence o	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Featur %	es Type ¹	Loc ²	Texture	Remarks
0 - 4	5Y 6/1		7.5YR 5/8	45	C	PL / M	Sandy Clay Loam	Homano
4 - 10	-	30		30	- c	PL / M		
	5Y 6/1		7.5YR 5/8				Sandy Clay Loam	
10 - 18	5Y 6/1	90	7.5YR 5/8	10	<u> </u>	PL / M	Sandy Clay Loam	
-								
	_							
					_			
¹ Type: C=C	oncentration D=De	enletion RM	I=Reduced Matrix, M	S=Maske	ed Sand G	raine	² l ocation: Pl :	=Pore Lining, M=Matrix.
Hydric Soil		spiedon, raiv	i-Reduced Matrix, Mi	J-IVIASKO	o Sand O	iaiiis.		ors for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				em Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ace (S8) (MLRA 147.		east Prairie Redox (A16)
	istic (A3)		Thin Dark Su					(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			, ,		edmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		•			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	Surface ((F6)			ry Shallow Dark Surface (TF12)
	d Below Dark Surfa	ice (A11)	Depleted Da		. ,		Oth	her (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1)	(LRR N,	Iron-Mangan		ses (F12)	(LRR N,		
	A 147, 148)		MLRA 13	-	(MI DA 4	20 422\	311:-	and the same of th
	Gleyed Matrix (S4) Redox (S5)		Umbric Surfa Piedmont Flo					cators of hydrophytic vegetation and and and hydrology must be present,
	l Matrix (S6)		Red Parent N					ess disturbed or problematic.
	Layer (if observed	١١٠	ited i aleitti	viateriai ((1 Z 1) (IVIL	XA 121, 141	T unic	ss disturbed or problematic.
Type:	_ayo. (oboo. roo	· /·						
	ches):						Hydric Soil F	Present? Yes V No
	Ciles).						Hydric 30ii F	rieseiit: Tes NO
Remarks:								

Project/Site: Southeast Supply Enhancement Project Cit	ty/County: Pittsylvania County Sampling Date: 2024-11-21
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	
1/7	ection, Township, Range:
-	relief (concave, convex, none): Concave Slope (%): 2-4
	Long: -79.60349105 Datum: WGS 84
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 pe	rcent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year	
	sturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally proble	
SUMMART OF FINDINGS - Attach site map showing s	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes V No	Is the Sampled Area
Hydric Soil Present? Yes No	within a Wetland? Yes V No
Wetland Hydrology Present? Yes ✓ No Remarks:	
soils) were satisfied at this data point.	ydrology, hydrophytic vegetation, and hydric
HYDROLOGY Westend Mydrology Indicators	Cocondany Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plan	Surface Soil Cracks (B6) ats (B14) Sparsely Vegetated Concave Surface (B8)
☐ Surface Water (A1) ☐ True Aquatic Fiant ☐ High Water Table (A2) ☐ Hydrogen Sulfide	
	heres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Redu	
	ction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface	e (C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in I	Remarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches): 3	
Saturation Present? Yes Vo Depth (inches): 0	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:
Remarks:	
1	

EGETATION (Four Strata) – Use scientific	names or	piants.		Sampling Point: DP-350
To a Objective (Dietaine 30 ft r	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 4 (A)
2				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Dravialance Index weather est.
7				Prevalence Index worksheet:
		= Total Cov	ver	
50% of total cover:	20% of	f total cover	· <u> </u>	OBE species X I
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{32}{40}$ $x = \frac{64}{120}$
1				1 Ao species x o
2				FACU species $\frac{5}{2}$ $\times 4 = \frac{20}{2}$
3		<u> </u>		UPL species $0 \times 5 = 0$
4				Column Totals: 112 (A) 239 (B)
5				Prevalence Index = B/A = 2.13
6				
7			-	Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
·		= Total Cov	ver	✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	30	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Scirpus polyphyllus	20	~	OBL	
3. Aster lanceolatus	15		FACW	¹ Indicators of hydric soil and wetland hydrology must
4. Persicaria sagittata	15		OBL	be present, unless disturbed or problematic.
5. Juncus effusus	12	-	FACW	Definitions of Four Vegetation Strata:
6. Verbesina alternifolia	10	-	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7 Lonicera japonica	5	-	FACU	more in diameter at breast height (DBH), regardless of
8. Persicaria pensylvanica	5		FACW	height.
			-	Sapling/Shrub – Woody plants, excluding vines, less
9	_			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10	_			iii) taii.
11	112			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 56.0		= Total Cover		of size, and woody plants less than 5.20 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01	i total covel		Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
50% of total cover:		= Total Cov		Fresent: Tes No
		r total cover	<u> </u>	
Remarks: (Include photo numbers here or on a separate	sneet.)			
No tree, sapling/shrub, or woody vii	ne strata	were	observ	ed at this data point.
				·

SOIL Sampling Point: DP-350

Profile Desc	cription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 18	10YR 5/2	75	5YR 5/6	10	С	PL / M	Sandy Clay Loam	
0 - 18			5YR 5/8	15	С	PL / M	Sandy Clay Loam	Secondary redox color.
				-				
	-				· 			 .
_								
						· ——		
						· ——		
	-							
1Typo: C=C	ncontration D=Don	lotion DM:	=Reduced Matrix, MS	S=Mackor	d Sand Gr	oine	² Location: DI	L=Pore Lining, M=Matrix.
Hydric Soil		ietion, Rivi	-Reduced Matrix, Mis	5=Wasked	u Sanu Gi	airis.		ators for Problematic Hydric Soils ³ :
•			Dark Surface	(87)				· · · · · · · · · · · · · · · · · · ·
Histosol	oipedon (A2)		Dark Surface Polyvalue Be		000 (SB) (N	AI DA 147		cm Muck (A10) (MLRA 147) coast Prairie Redox (A16)
	stic (A3)		Polyvalue Be				1 40) C	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			147, 140)	Þ	iedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma		(1 2)		<u> </u>	(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark \$		- 6)		V	ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar	•	,			other (Explain in Remarks)
	ark Surface (A12)	- (/	Redox Depre					(
	lucky Mineral (S1) (L	RR N,	Iron-Mangan			LRR N,		
	A 147, 148)	,	MLRA 13		· , ,	•		
	Gleyed Matrix (S4)		Umbric Surfa		(MLRA 13	6, 122)	³ Ind	icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					tland hydrology must be present,
-	Matrix (S6)		Red Parent N					less disturbed or problematic.
Restrictive I	Layer (if observed):							
Type:								
• • •	ches):						Hydric Soil	Present? Yes V No No
Remarks:							11,411.00011	
Remarks.								

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2024-11-21
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-351
Investigator(s):KZ Sect	ion, Township, Range:
Landform (hillslope, terrace, etc.): Toeslope Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.57020125	
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percentage of the sandy loam, 2 to 15 percentage of the sandy loam, 3 to 15 percentage of the sandy loam.	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No No No	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hyd	drology hydrophytic vegetation, and hydric
soils) were satisfied at this data point.	arology, flydropflytic vegetation, and flydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Oo	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	d Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction	on in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
2000.00 1000.000 2000 (0.000.11 gauge, 1.101.11.11 g 1101.11 g 1101.11 p 1101.00, p 1	
Remarks:	

Sampling	Point:	DP-351
Gairibiliu	i Oilit.	

7	nts, excluding vines, 3 in. (7.6 at breast height (DBH), regardle Woody plants, excluding vines digreater than or equal to 3.28 eous (non-woody) plants, regard plants less than 3.28 ft tall. woody vines greater than 3.28	ess of less ft (1
7	woody plants, excluding vines digreater than or equal to 3.28 eous (non-woody) plants, regardy plants less than 3.28 ft tall. woody vines greater than 3.28	ess of less ft (1
7	woody plants, excluding vines d greater than or equal to 3.28 eous (non-woody) plants, regardy plants less than 3.28 ft tall.	ess of less ft (1
7	woody plants, excluding vines d greater than or equal to 3.28 eous (non-woody) plants, regardy plants less than 3.28 ft tall.	ess of less ft (1
7	woody plants, excluding vines d greater than or equal to 3.28 eous (non-woody) plants, regardy plants less than 3.28 ft tall.	ess of less ft (1
7	woody plants, excluding vines d greater than or equal to 3.28 eous (non-woody) plants, regardy plants less than 3.28 ft tall.	ess of less ft (1
7.	woody plants, excluding vines d greater than or equal to 3.28 eous (non-woody) plants, regardy plants less than 3.28 ft tall.	ess of less ft (1
7	woody plants, excluding vines d greater than or equal to 3.28 eous (non-woody) plants, regardy plants less than 3.28 ft tall.	ess of less ft (1
6.	when the second	ess of less ft (1
6.	when the second	ess of less ft (1
6 more in diameter a height. 8 Sapling/Shrub – \ than 3 in. DBH and	at breast height (DBH), regardle woody plants, excluding vines.	ess of less
6 more in diameter a height. 8 Sapling/Shrub – \than 3 in. DBH and	at breast height (DBH), regardle woody plants, excluding vines.	ess of less
7 more in diameter a height.	at breast height (DBH), regardl	ess of
o more in diameter a		
Tues Messelle ula	nto ovoludina visco 9 is /7 C	am \ a=
5. Ulmus americana 3 FACW		
4. Lonicera japonica 5. Ulmus americana 3. FACU Definitions of Four FACW	ur Vegetation Strata:	
3. Juneus errusus be present, unless	disturbed or problematic.	iusi
2. Smilax rotundifolia 8 FAC Indicators of hydri	ic soil and wetland hydrology n	nust
1. Dichanthelium clandestinum	iyaropriyilo vegetation (Explai	'' <i>)</i>
Herb Stratum (Plot size:)	lydrophytic Vegetation ¹ (Explai	n)
50% of total cover: 4.00 20% of total cover: 1.00 data in Par	marks or on a separate sheet)	porting
8 = Total Cover 4 - Morphologi	e muex is ≤3.0 lical Adaptations¹ (Provide sup	nortina
Q 2 - Dominance	e Test is >50% e Index is ≤3.0 ¹	
8		
7	t for Hydrophytic Vegetation	
r revalence ii	etation Indicators:	_
-	ndex = B/A = 3.18	
4. Column Totals: 1	07 (A) <u>341</u>	_ (B)
3 UPL species 0	^J- <u>-</u>	_
2. Quercus prientos	x 4 = 112	_
1. Carpinus caroliniana 5 FAC species $\frac{f}{2}$	1 x 3 = 213	_
Sapling/Shrub Stratum (Plot size: 15 ft r) FACW species 8		_
50% of total cover: 35.00 $20%$ of total cover: 14.00 OBL species 0	^ '	_
70 = Total Cover Total % Cover	r of: Multiply by:	
7 Prevalence Index	worksheet:	
5. Carrya tomentosa That Are OBL, FAC	CW, OF FAC: 100.00	(A/B)
Carva tomentosa 5 FACII Percent of Domina		(A /D)
4. Carpinus caroliniana 5 FAC	i Strata.	(D)
3. Quercus alba 10 FACU Species Across All	_	(B)
2. Liriodendron tulipifera 10 FACU	CW, OI FAC.	(A)
1. Acer rubrum (Plot size: 30 11)		(A)
Absolute Dominant Indicator Dominance Test v Tree Stratum (Plot size: 30 ft r) % Cover Species? Status		

SOIL Sampling Point: DP-351

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	S			•
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	2.5Y 6/2	85	10YR 5/6	15	С	PL / M	Sandy Loam	
4 - 12	2.5Y 6/2	90	10YR 5/6	10	С	PL / M	Sandy Loam	
12 - 18	2.5Y 6/2	55	10YR 6/6	45	С	М	Sandy Clay Loam	
_		·						
_								
		·						
						·		
	-	·						
						· ——		
	_							
		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indica	tors for Problematic Hydric Soils ³ :
Histosol			Dark Surface					cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				148) C	past Prairie Redox (A16)
Black His	stic (A3) n Sulfide (A4)		Thin Dark Su Loamy Gleye			147, 148)	D	(MLRA 147, 148)
	l Layers (A5)		Loanly Gleye ✓ Depleted Ma		(Г2)		Pi	edmont Floodplain Soils (F19) (MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	. ,	- 6)		Ve	ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar	•				ther (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Depre	essions (F	8)			
-	lucky Mineral (S1) (L	_RR N,	Iron-Mangan		es (F12) (LRR N,		
	147, 148)		MLRA 13		(NAL D.A. 40	0 400\	31:	
-	leyed Matrix (S4) edox (S5)		Umbric Surfa Piedmont Flo					cators of hydrophytic vegetation and tland hydrology must be present,
-	Matrix (S6)		Red Parent N					ess disturbed or problematic.
	ayer (if observed):			natoriai (i	_ · / (1	occ distance of problemate.
Type:	,							
	ches):						Hydric Soil	Present? Yes V No No
Remarks:							1 -	

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2024-11-21
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-352
Investigator(s):KZ Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local rel	
Subregion (LRR or MLRA): P 136 Lat: 36.57045474	
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	'es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	
	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No V No V	Is the Sampled Area within a Wetland? Yes No
Remarks:	
Only one (i.e., hydrophytic vegetation) of the tl data point.	hree wetland parameters was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants ((B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Od	
Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reductio	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

VEGETATION (Four Strata) - Use scientific names of plant

4. Liriodendron tulipifera 10

1. Liquidambar styraciflua 5

4.______ ____ ____

1. Dactylis glomerata 5 2 Dichanthelium clandestinum 5

5._____ ____

Tree Stratum (Plot size: 30 ft r)

1. Liquidambar styraciflua

2. Carya tomentosa

3. Carya ovata

Sapling/Shrub Stratum (Plot size: 15 ft r)

Herb Stratum (Plot size: 5 ft r)

ata) – Use scientific n		-		Sampling Point: DP-352
itr \	Absolute	Dominant Species?		Dominance Test worksheet:
) 1	50	Species?	FAC	Number of Dominant Species
				That Are OBL, FACW, or FAC: 3 (A)
	15		FACU	Total Number of Dominant
	10		FACU	Species Across All Strata: 4 (B)
	10		FACU	Develop of Development Conscient
				Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (A/E
				Prevalence Index worksheet:
	85			Total % Cover of: Multiply by:
500/ 51 1 42 50		= Total Cov		OBL species 0 $x_1 = 0$
50% of total cover: 42.50	20% of	total cover:	17.00	FACW species 0 x 2 = 0
_{ize:} 15 ft r)	_	,	540	00 100
	5		FAC	
				1 ACO species 15 X 4 = 15 5
				UPL species $0 \times 5 = 0$
				Column Totals: 100 (A) 340 (B
				Prevalence Index = B/A = 3.40
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
	5	= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 2.50	20% of	total cover:	1.00	
<u>r</u>)				data in Remarks or on a separate sheet)
	5	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
tinum	5	~	FAC	
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of
				height.
				Sanling/Shrub Moody plants evaluating vines lass
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
				m) tall.
				Herb – All herbaceous (non-woody) plants, regardles:
	10	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 5.00	20% of	total cover:	2.00	Manda vine All was devided as a sector than 0.00 %
e: 30 ft r				Woody vine – All woody vines greater than 3.28 ft in height.
				noight.
			-	
			-	Hydrophytic
				Vegetation
	:	= Total Cov	er	Present? Yes No No
50% of total cover:	20% of	total cover:		

Remarks: (Include photo numbers here or on a separate sheet.)

Woody Vine Stratum (Plot size: 30 ft r)

No woody vine stratum was observed at this data point.

Depth	Matrix	%		ox Feature	es 1	Loc ²	Tandone		D	
inches)	Color (moist)		Color (moist)	%	Type ¹	LOC	<u>Texture</u>		Remark	<u>(S</u>
0 - 6	10YR 5/4	100			_		Silt Loam			
6 - 10	10YR 5/4	95	7.5YR 5/8	<u>5</u>	<u>C</u>	<u>M</u>	Silt Loam			
10 - 18	10YR 5/4	80	7.5YR 5/6	20	С	М	Silt Loam			
-			•	-	-					
					_			-		
					_					
			· ·							
-					_					
-										
-										
				_	-			-		
			A. Danker and Marketin A.	40 Maalaa			21 1: DI	Daniel Link	- NA NA-4-	
	oncentration, D=De Indicators:	epietion, Riv	1=Reduced Matrix, N	/IS=IVIASKE	d Sand Gr	ains.	² Location: Pl	_=Pore Lini	ng, M=Mati oblematic	TX. Hydric Soils ³ :
			Dork Curfos	o (C7)						
_ Histosol	oipedon (A2)		Dark Surfac		200 (59) (MI DA 147		cm Muck (A oast Prairie		
_ Histic Ep _ Black Hi:			Polyvalue B				146) C	MLRA 14)		16)
	en Sulfide (A4)		Loamy Gley			147, 140)	D	iedmont Flo		ile (F10)
	d Layers (A5)		Depleted M		(1 2)		<u> </u>	(MLRA 13		113 (1 13)
	ick (A10) (LRR N)		Depleted M		E6)		\/	ery Shallow		aco (TE12)
	d Below Dark Surfa	ace (A11)	Nedox Dark		•			ther (Explai		
	ark Surface (A12)	200 (7111)	Redox Depi					trici (Explai	iii iii i koma	iko)
	lucky Mineral (S1)	(LRR N.	Iron-Manga			LRR N.				
-	A 147, 148)	(=,	MLRA 1		, ,	(=,				
	Gleyed Matrix (S4)		Umbric Surf	-	(MLRA 1	36. 122)	³ Ind	cators of hy	drophytic v	vegetation and
	Redox (S5)		Piedmont F					tland hydro		-
-	Matrix (S6)		Red Parent					ess disturb		
				•	, ,		1		•	
estrictive L	Layer (if observed	d):								
	Layer (if observed	d):								
Type:		d): 					Hvdric Soil	Present?	Yes	No 🗸
Type:		d):					Hydric Soil	Present?	Yes	No <u>~</u>
Type:		d): 					Hydric Soil	Present?	Yes	No <u>~</u>
Type:		d): 					Hydric Soil	Present?	Yes	No <u> </u>
Type:		d): 	_				Hydric Soil	Present?	Yes	No <u> </u>
Type:		d): 					Hydric Soil	Present?	Yes	No <u> </u>
Type:		i): 					Hydric Soil	Present?	Yes	No <u> </u>
Type:		d): 					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1): 					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		11):					Hydric Soil	Present?	Yes	No <u>~</u>
Type:		1):					Hydric Soil	Present?	Yes	No V
Type:		1):					Hydric Soil	Present?	Yes	No V
Type:		1):					Hydric Soil	Present?	Yes	No V
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u>v</u>
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Туре:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u> </u>
Type:		1):					Hydric Soil	Present?	Yes	No <u>~</u>

Project/Site: Southeast Supply Enhan	ncement Project City/Co	ounty: Pittsylvania Co	ounty s	Sampling Date: 2024-11-22			
Applicant/Owner: Transcontinental Gas	Pipe Line Company, LLC		State: Virginia	Sampling Point: DP-353			
Investigator(s):JDF, MCS	Section						
	andform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope (%): 2-4						
Subregion (LRR or MLRA): P 136							
Soil Map Unit Name: 23C - Clover fine							
Are climatic / hydrologic conditions on the sit	te typical for this time of year? Ye	es No ((If no, explain in Rer	marks.)			
Are Vegetation, Soil, or Hydr	ology significantly disturb	ed? Are "Normal	Circumstances" pre	esent? Yes 🖊 No			
Are Vegetation, Soil, or Hydr	ology naturally problema	tic? (If needed, e	explain any answers	in Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.							
Hydric Soil Present? Wetland Hydrology Present?	res No 🗸	Is the Sampled Area within a Wetland?	Yes	No <u>~</u>			
Remarks:							
Only one (i.e., hydrophytic data point.	vegetation) of the th	ree wetland pa	arameters wa	as satisfied at this			
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicato	ors (minimum of two required)			
Primary Indicators (minimum of one is requ	ired; check all that apply)		Surface Soil C	racks (B6)			
Surface Water (A1)	True Aquatic Plants (B	314)	Sparsely Vegetated Concave Surface (B8)Drainage Patterns (B10)				
High Water Table (A2)	Hydrogen Sulfide Odo	r (C1)					
Saturation (A3)	Oxidized Rhizosphere	s on Living Roots (C3)	Moss Trim Line	es (B16)			
Water Marks (B1)	Presence of Reduced	Iron (C4)	Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Crayfish Burrows (C8)						
Drift Deposits (B3)	Thin Muck Surface (C	7)	Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Rem	arks)	Stunted or Stressed Plants (D1)				
Iron Deposits (B5)			Geomorphic Po	osition (D2)			
Inundation Visible on Aerial Imagery (E	37)		Shallow Aquitard (D3)				
Water-Stained Leaves (B9)			Microtopographic Relief (D4)				
Aquatic Fauna (B13)			FAC-Neutral T	est (D5)			
Field Observations:							
Surface Water Present? Yes	No Depth (inches):						
Water Table Present? Yes	No _ L Depth (inches):						
Saturation Present? Yes	No Depth (inches):	Wetland H	lydrology Present?	? Yes No			
(includes capillary fringe)			ilabla				
Describe Recorded Data (stream gauge, m	ionitoring well, aerial photos, prev	rious inspections), ir ava	liable:				
Remarks:							
No hydrology was observe	d at this data point.						

Samplin	a Point	DP-353
Januari	u i oiiii.	

20 # "	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species
1. Quercus rubra	30		FACU	That Are OBL, FACW, or FAC: 4 (A)
2. Ulmus rubra	20		FAC	Total Number of Dominant
3. Fagus grandifolia	10		FACU	Species Across All Strata: 6 (B)
4				Dergant of Deminant Charles
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.66 (A/B)
6				
7				Prevalence Index worksheet:
	60	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: <u>30.00</u>				OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r	<u></u>	•		FACW species $\frac{5}{x^2} = \frac{10}{x^2}$
1. Liquidambar styraciflua	5	~	FAC	FAC species 31 x 3 = 93
2. Nyssa sylvatica	5		FAC	FACU species 47 x 4 = 188
3. Ulmus rubra	1		FAC	UPL species $0 x 5 = 0$
				Column Totals: 83 (A) 291 (B)
4				(3)
5				Prevalence Index = $B/A = 3.50$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	11	= Total Cov	er	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover: 5.50	20% of	total cover:	2.20	
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
Polystichum acrostichoides	5	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Rudbeckia laciniata	5	~	FACW	
3. Euonymus americana	2		FACU	¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>6.00</u>	20% of	total cover:	2.40	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				
5				Hydrophytic Vegetation
		= Total Cov		Present? Yes V No No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s				
No woody vine stratum was observed	d at this	s data p	oint.	

SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the	indicator	or confirn	n the absence	of indicators.)		
Depth	Matrix			x Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0 - 1	10YR 2/2	100						Organic duff.		
1 - 4	10YR 3/3	100			· .		Loam			
4 - 7	10YR 3/3	90	5YR 3/4	10	С	М	Clay Loam			
7 - 12	10YR 4/3	75	7.5YR 4/6	25	С	М	Clay Loam			
12 - 18	10YR 4/2	70	7.5YR 6/6	20	С	M	Clay Loam			
12 - 18			7.5YR 4/6	10	С	<u>M</u>	Clay Loam	Secondary redox color.		
					· ·					
					· ·					
					· -					
		letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.		
Hydric Soil								ators for Problematic Hydric Soils ³ :		
Histosol			Dark Surface		(00) (cm Muck (A10) (MLRA 147)		
	pipedon (A2)		Polyvalue Be				, 148) C	coast Prairie Redox (A16)		
Black Hi			Thin Dark Su Loamy Gleye	•	, .	147, 148)	D	(MLRA 147, 148) iedmont Floodplain Soils (F19)		
	n Sulfide (A4) I Layers (A5)		Depleted Ma		(Г2)		<u> </u>	(MLRA 136, 147)		
	ick (A10) (LRR N)		Redox Dark S		F6)		V	ery Shallow Dark Surface (TF12)		
	Below Dark Surface	e (A11)	Depleted Dar					other (Explain in Remarks)		
	ark Surface (A12)	` ,	Redox Depre					,		
Sandy M	lucky Mineral (S1) (L	RR N,	Iron-Mangan	ese Mass	ses (F12) (LRR N,				
	A 147, 148)		MLRA 13	•						
	lleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and		
-	edox (S5)			Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present,						
	Matrix (S6)		Red Parent N	/laterial (F	=21) (ML R	A 127, 147	7) unl	less disturbed or problematic.		
	_ayer (if observed):									
Type:										
	ches):						Hydric Soil	Present? Yes No		
Remarks:										

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2024-11-21							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-354							
Investigator(s):KZ Section	ion, Township, Range:							
Landform (hillslope, terrace, etc.): Swale Local re								
	Subregion (LRR or MLRA): P 136 Lat: 36.70423034 Long: -79.47100268 Datum: WGS 84							
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to								
•								
Are climatic / hydrologic conditions on the site typical for this time of year?								
	rbed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No								
Hydric Soil Present? Yes No 🗸	Is the Sampled Area within a Wetland? Yes No							
Wetland Hydrology Present? Yes No 🗸	within a Wetland?							
Remarks:								
None of the three wetland peremeters (i.e. we	atland hydrology, bydronbytic vogotation, or							
None of the three wetland parameters (i.e., we	etiand hydrology, hydrophytic vegetation, or							
hydric soils) were satisfied at this data point.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic Plants								
High Water Table (A2) Hydrogen Sulfide Od								
	res on Living Roots (C3) Moss Trim Lines (B16)							
Water Marks (B1) Presence of Reduce								
Sediment Deposits (B2) Recent Iron Reduction This Muck Surface (
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re Iron Deposits (B5)	Geomorphic Position (D2)							
Initial Deposits (B3) Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13)	FAC-Neutral Test (D5)							
Field Observations:	<u> </u>							
Surface Water Present? Yes No Depth (inches):								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches):								
(includes capillary fringe)								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:							
Remarks:								
No hydrology was absorved at this data point								
No hydrology was observed at this data point.								

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-354
T 0: 1 (D) 1 : 20 ft r	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
2		-		That Are OBL, FACW, OF FAC.
3				Total Number of Dominant Species Across All Strata: 2 (B)
3				Species Across All Strata: 2 (B)
-				Percent of Dominant Species That Are OBL_FACW_or FAC: 50.00 (A/B)
5 6				That Are OBL, FACW, or FAC: 50.00 (A/B)
6 7				Prevalence Index worksheet:
·		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:				OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r)		•		FACW species <u>0</u> x 2 = <u>0</u>
1. Liquidambar styraciflua	40	~	FAC	FAC species <u>50</u> x 3 = <u>150</u>
2. Liriodendron tulipifera	5		FACU	FACU species <u>78</u> x 4 = <u>312</u>
3				UPL species <u>5</u>
4				Column Totals: <u>133</u> (A) <u>487</u> (B)
5				Prevalence Index = B/A = 3.66
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50%
9				2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹
	45	= Total Cov	er	3 - Prevalence index is ≥5.0 4 - Morphological Adaptations¹ (Provide supporting
50% of total cover: 22.50	20% of	total cover:	9.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				·
1. Andropogon virginicus	50		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Lonicera japonica	15		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Panicum scoparium	10		FAC	be present, unless disturbed or problematic.
4. Solidago altissima	8		FACU	Definitions of Four Vegetation Strata:
_{5.} Daucus carota	5		UPL	
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
44.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 44.00 Woody Vine Stratum (Plot size: 30 ft r				Woody vine – All woody vines greater than 3.28 ft in height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
50% of total cover:		= Total Cover:		Present? Yes No
Remarks: (Include photo numbers here or on a separate s		•		1
	,		.1 . 4	
No tree or woody vine strata were ob	served	i at this	data p	oint.

Depth (inches)	Matrix	%	Redox Features Color (moist) % Type ¹ Loc ²		Damada
inches)	Color (moist)		Color (moist) % Type ¹ Loc ²		Remarks
0 - 18	5YR 4/6	100		Silty Clay Loan	<u> </u>
-					
-					
		_			
					_
-					
-					
		_			_
-					
_					
					_
				<u> </u>	_
		epletion, RM=	Reduced Matrix, MS=Masked Sand Grains.	² Location:	PL=Pore Lining, M=Matrix.
ydric Soil I	Indicators:			Indi	cators for Problematic Hydric Soils ³ :
_ Histosol	(A1)		Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
_ Histic Ep	oipedon (A2)		Polyvalue Below Surface (S8) (MLRA 1	47, 148)	Coast Prairie Redox (A16)
_ Black His	stic (A3)		Thin Dark Surface (S9) (MLRA 147, 14	3)	(MLRA 147, 148)
_ Hydroge	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
_ Stratified	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
_ 2 cm Mu	ıck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)
	d Below Dark Surfa	ice (A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)
	ark Surface (A12)		Redox Depressions (F8)		
	lucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR N		
	A 147, 148)		MLRA 136)		
	Bleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		ndicators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA		vetland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLRA 127,	147) ι	unless disturbed or problematic.
	/:	l):			
estrictive L	Layer (if observed	,-			
estrictive L Type:	Layer (if observed	-,-	<u></u>		
Type:			_	Hydric Sc	oil Present? Yes No 🗸
Type: Depth (inc	ches):		<u> </u>	Hydric Sc	oil Present? Yes No 🗸
Type: Depth (inc				Hydric Sc	oil Present? Yes No 🚩
Type: Depth (inc				Hydric Sc	oil Present? Yes No 🗸
Type: Depth (inc				Hydric Sc	oil Present? Yes No 🗸
Type: Depth (inc				Hydric Sc	oil Present? Yes No 🗸
Type: Depth (inc				Hydric Sc	oil Present? Yes No <u>v</u>
Type: Depth (inc				Hydric Sc	oil Present? Yes No <u>v</u>
Type: Depth (inc				Hydric Sc	oil Present? Yes No <u>v</u>
Type: Depth (inc				Hydric So	oil Present? Yes No <u>v</u>
Type: Depth (inc				Hydric So	oil Present? Yes No <u>v</u>
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type: Depth (inc				Hydric So	oil Present? Yes No v
Type:				Hydric Sc	oil Present? Yes No v
Type: Depth (inc				Hydric Sc	oil Present? Yes No v
Type: Depth (inc				Hydric Sc	oil Present? Yes No v
Type: Depth (inc				Hydric Sc	oil Present? Yes No v
Type: Depth (inc				Hydric Sc	oil Present? Yes No V

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2024-11-21				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-355				
Investigator(s):KZ Sect	ion, Township, Range:				
Landform (hillslope, terrace, etc.): Floodplain Local re	elief (concave, convex, none): None Slope (%): 0-2				
Subregion (LRR or MLRA): P 136 Lat: 36.80617208					
Soil Map Unit Name: 7A - Codorus Ioam, 0 to 2 percent slopes,	occasionally flooded NWI classification: N/A				
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly distu	ırbed? Are "Normal Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No					
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No				
Wetland Hydrology Present? Yes No ✔	within a Wetland?				
Remarks:					
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	stiand hydrology, hydrophytic vegetation, or				
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plants					
High Water Table (A2) Hydrogen Sulfide Od					
	res on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Presence of Reduce					
Sediment Deposits (B2) Recent Iron Reducti					
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re Iron Deposits (B5)	emarks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)	Microtopographic Relief (D4)				
Aquatic Fauna (B13)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No Depth (inches):					
Water Table Present? Yes No Depth (inches):					
Saturation Present? Yes No Depth (inches):					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr					
Remarks:					
No hydrology was observed at this data point.					

00.6	Absolute		t Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r))	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
				Total Number of Dominant
				Species Across All Strata: 1 (B)
·				
				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B
				That Are OBE, I AGW, OF I AG.
				Prevalence Index worksheet:
		= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover:				OBL species $0 x 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 x 2 = 0$
·				FAC species 15 x 3 = 45
				FACU species 65 x 4 = 260
1.				UPL species $0 x 5 = 0$
J				Column Totals: 80 (A) 305 (B)
				(2)
5				Prevalence Index = B/A = 3.81
S				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
3				2 - Dominance Test is >50%
0				3 - Prevalence Index is ≤3.0 ¹
		= Total Co		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover	r:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
Schedonorus arundinaceus	60		FACU	1 Toblematic Hydrophytic Vegetation (Explain)
2 Symphyotrichum pilosum	15		FAC	¹ Indicators of hydric soil and wetland hydrology must
Solanum carolinense	5		FACU	be present, unless disturbed or problematic.
ł				Definitions of Four Vegetation Strata:
j				
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
3.				
).	, . <u> </u>			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
0				m) tall.
I1				
· ·	00	= Total Co	ver	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 40.00				
Noody Vine Stratum (Plot size: 30 ft r				Woody vine – All woody vines greater than 3.28 ft in
l				height.
2				
3				
1				
				Hydrophytic
5				Vegetation Present? Yes No
50% of total cover:		= Total Co		<u> </u>
		TOTAL COVE	'· <u> </u>	
Remarks: (Include photo numbers here or on a separate s	sneet.)			
(
	e strata	were	observ	ed at this data point.
lo tree, sapling/shrub, or woody vin	e strata	were	observ	ed at this data point.

SOIL

Profile Desc	ription: (Describe	to the de	oth needed to docun	nent the	indicator	or confirn	n the absence	of indicators.)
Depth <u>Matrix</u>			Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 18	10YR 4/4	75	10YR 5/3	10	D	М	Clay Loam	
0 - 18			7.5YR 5/8	15	С	М	Clay Loam	Secondary redox color.
	-							
-								
	•	· (-		
				-				
					_			
1Typo: C=Co	ncontration D=Don	lotion DM	=Reduced Matrix, MS	S=Macka	d Sand Gr	raine	² Location: D	L=Pore Lining, M=Matrix.
Hydric Soil I		ielion, Riv	i=Reduced Matrix, MS	5=IVIASKE	u Sanu Gi	airis.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(87)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be	. ,	aca (S8) (I	MI DA 147		Coast Prairie Redox (A16)
Black His			Thin Dark Su				0	(MLRA 147, 148)
	n Sulfide (A4)					147, 140)	Б	Piedmont Floodplain Soils (F19)
	, ,		Loamy Gleye		(FZ)		<u> </u>	
	Layers (A5)		Depleted Mat		Ε0\			(MLRA 136, 147)
	ck (A10) (LRR N)	- (011)	Redox Dark S					Very Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar					Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	LKK N,	Iron-Mangan		ses (F12) (LKK N,		
	147, 148)		MLRA 130	-	/MI DA 44	20. 400\	31	Contains of his decade wheather and the
	leyed Matrix (S4)		Umbric Surfa					licators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F21) (ML R	A 127, 147	7) un	less disturbed or problematic.
	_ayer (if observed):							
Type:			<u></u>					
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:							•	

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania Sampling Date: 2024-11-21						
	State: Virginia Sampling Point: DP-356						
Investigator(s):KZ Sectio							
Landform (hillslope, terrace, etc.): Floodplain Local relie							
Subregion (LRR or MLRA): P 136 Lat: 36.80623921							
Soil Map Unit Name: 7A - Codorus Ioam, 0 to 2 percent slopes, c							
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problema							
SUMMARY OF FINDINGS – Attach site map showing sam							
Hydrophytic Vegetation Present? Yes No 🗸							
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V	Is the Sampled Area						
Wetland Hydrology Present?	within a Wetland? Yes No						
Remarks:							
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (E	Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide Odd	or (C1) Drainage Patterns (B10)						
Saturation (A3) Oxidized Rhizosphere	es on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduced	Iron (C4) Dry-Season Water Table (C2)						
Sediment Deposits (B2) Recent Iron Reduction	n in Tilled Soils (C6) Crayfish Burrows (C8)						
Drift Deposits (B3) Thin Muck Surface (C							
Algal Mat or Crust (B4) Other (Explain in Rem							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:						
Remarks:							
No buduala au usa a baawaad at thia data naint							
No hydrology was observed at this data point.							

EGETATION (Four Strata) – Use scientific na	ames of	piants.		Sampling Point: DP-336
20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				Descript of Descinent Consider
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)
6				(, v.b)
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species $0 x 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 0 x 2 = 0
				FAC species 10 x 3 = 30
· ·				FACU species 87 x 4 = 348
2				UPL species $0 \times 5 = 0$
3				Column Totals: 97 (A) 378 (B)
4				Column Totals. (A)
5				Prevalence Index = $B/A = 3.89$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		
50% of total cover:	20% of	total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Schedonorus arundinaceus	60	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Trifolium pratense	12		FACU	
3. Symphyotrichum pilosum	10		FAC	¹ Indicators of hydric soil and wetland hydrology must
4 Trifolium repens	10		FACU	be present, unless disturbed or problematic.
5 Solanum carolinense	5		FACU	Definitions of Four Vegetation Strata:
<u> </u>				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>48.50</u>	20% of	total cover:	19.40	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				The described to
5				Hydrophytic Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s		•		1
No tree, sapling/shrub, or woody vine	e strata	were o	bserv	ed at this data point.

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to docum	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 3	10YR 4/3	95	7.5YR 5/8	5	С	M	Silt Loam	
3 - 18	10YR 5/4	60	10YR 6/2	20	D	М	Sandy Clay Loam	
3 - 18			7.5YR 5/8	20	С	М	Sandy Clay Loam	Secondary redox color.
-		<u> </u>						
_				-	_			
		-		-				
								
		· ——						
		letion, RM	I=Reduced Matrix, MS	S=Maske	d Sand G	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				, 148) C	coast Prairie Redox (A16)
Black His			Thin Dark Su			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		P	riedmont Floodplain Soils (F19)
	l Layers (A5)		Depleted Mar	trix (F3)				(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	Surface (F6)			ery Shallow Dark Surface (TF12)
Depleted	l Below Dark Surfac	e (A11)	Depleted Dar	rk Surfac	e (F7)		c	Other (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	LRR N,	Iron-Mangan		ses (F12)	(LRR N,		
	147, 148)		MLRA 13					
Sandy G	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain	Soils (F19)	(MLRA 14	48) we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F21) (MLF	RA 127, 14	7) un	less disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2024-11-21						
•	State: Virginia Sampling Point: DP-357						
Investigator(s):KZ Section, Township, Range:							
Landform (hillslope, terrace, etc.): Floodplain Local relic							
Subregion (LRR or MLRA): P 136 Lat: 36.80634557							
Soil Map Unit Name: 7A - Codorus Ioam, 0 to 2 percent slopes, o							
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problema							
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No							
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No						
Wetland Hydrology Present?	within a Wetland? Yes No						
Remarks:							
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (B	B14) Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide Odd	or (C1) Drainage Patterns (B10)						
Saturation (A3) Oxidized Rhizosphere							
Water Marks (B1) Presence of Reduced	I Iron (C4) Dry-Season Water Table (C2)						
Sediment Deposits (B2) Recent Iron Reduction							
Drift Deposits (B3) Thin Muck Surface (C							
Algal Mat or Crust (B4) Other (Explain in Rem							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)						
Field Observations:	(AC-Neutral Test (D3)						
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):							
(includes capillary fringe)	Wetland hydrology Present? Tes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), monitoring well, aerial photos, previous provided Data (stream gauge), aerial photos, aerial photos, aerial photos, aerial phot	vious inspections), if available:						
Remarks:							
No hydrology was observed at this data point.							
The fly drology was observed at this data point.							

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-357
00.6		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?	<u>Status</u>	Number of Dominant Species
1		-		That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species $0 \times 1 = 0$
50% of total cover:	20% of	total cover:		FACW species $0 \times 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 0 x 3 = 0
1				FACU species 88
2				UPL species 0 x 5 = 0
3				Column Totals: 88 (A) 352 (B)
4				(A) (D)
5				Prevalence Index = B/A = 4.00
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: Herb Stratum (Plot size: 5 ft r)	20% 01	total cover:		data in Remarks or on a separate sheet)
1. Schedonorus arundinaceus	60	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Trifolium pratense	10		FACU	
3. Solanum carolinense	8		FACU	¹ Indicators of hydric soil and wetland hydrology must
4 Andropogon virginicus	5		FACU	be present, unless disturbed or problematic.
5 Trifolium repens	5		FACU	Definitions of Four Vegetation Strata:
<u> </u>				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
_				more in diameter at breast height (DBH), regardless of
/				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				iii) tali.
11	00			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 44.00		= Total Cov		of size, and woody plants less than 3.20 it tall.
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4				
5				Hydrophytic Vegetation
×		= Total Cov		Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s No tree, sapling/shrub, or woody vine	sheet.)			ed at this data point.

SOIL Sampling Point: DP-357

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 2	10YR 4/3	80	7.5YR 5/8	20	С	M	Silty Clay Loam	
2 - 18	10YR 5/4	70	10YR 6/2	10	D	М	Silty Clay Loam	
2 - 18			10YR 5/8	20	С	М	Silty Clay Loam	Secondary redox color.
-								
_								
					-			
	-							
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				, 148) C	oast Prairie Redox (A16)
Black Hi			Thin Dark Su Loamy Gleye			147, 148)	D	(MLRA 147, 148) iedmont Floodplain Soils (F19)
	n Sulfide (A4) I Layers (A5)		Loanly Gleye		r2)		Pi	(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark		-6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar					ther (Explain in Remarks)
	ark Surface (A12)	. ,	Redox Depre					,
	lucky Mineral (S1) (L	RR N,	Iron-Mangan		es (F12) (LRR N,		
	\ 147, 148)		MLRA 13				2	
-	Sleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6) _ayer (if observed):		Red Parent N	/laterial (F	21) (MLR	A 127, 14	/) uni	ess disturbed or problematic.
Type:	-ayer (ii observed).							
	ches):						Hydric Soil	Present? Yes No
							Hydric 30ii	rieseitt: TesNO
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	Sounty: Pittsylvania County Sampling Date: 2025-01-08					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-358						
Investigator(s):MCS Section, Township, Range:						
_andform (hillslope, terrace, etc.): Flood-Plain Landforms Local relief (concave, convex, none): None Slope (%): 2						
Subregion (LRR or MLRA): P 136 Lat: 36.821102 Long: -79.349356 Datum: WGS 84						
Soil Map Unit Name: 9C - Lackstown fine sandy loam, 7 to 15 pe						
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturl	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Yes No ✔						
Hydrophytic Vegetation Present? Hydric Soil Present? Yes ✓ No ✓ No	Is the Sampled Area					
Wetland Hydrology Present?	within a Wetland? Yes No					
Remarks:						
Only one (i.e., hydric soils) of the three wetland						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (I						
High Water Table (A2) High Water Table (A2) Hydrogen Sulfide Odd						
Saturation (A3) Oxidized Rhizosphere						
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reductio	• • • • • • • • • • • • • • • • • • • •					
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Ren	narks) Stunted or Stressed Plants (D1)					
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
No hydrology was observed at this data point.						

VI

EGETATION (Four Strata) – Use scientific n		-	Indianter	Sampling Point: DP-358
ree Stratum (Plot size: 30 ft r	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
Liriodendron tulipifera	15	<u> </u>	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
·				
				Total Number of Dominant Species Across All Strata: 7 (B)
				Openies / toross / tir etrata.
				Percent of Dominant Species That Are ORL FACW or FAC: 28.57 (A/B)
				That Are OBL, FACW, or FAC: 28.57 (A/B)
		-		Prevalence Index worksheet:
	15	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 7.50		total cover:		OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species <u>0</u> x 2 = <u>0</u>
Ligustrum sinense	10	~	FACU	FAC species <u>35</u> x 3 = <u>105</u>
Sambucus nigra	5	~	FAC	FACU species 68 x 4 = 272
Juniperus virginiana	5	~	FACU	UPL species <u>0</u> x 5 = <u>0</u>
	-			Column Totals: 103 (A) 377 (B)
-				
-				Prevalence Index = B/A = 3.66
•		-		Hydrophytic Vegetation Indicators:
•	-			1 - Rapid Test for Hydrophytic Vegetation
·				2 - Dominance Test is >50%
	20	T-4-1 O		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 10.00		= Total Cov total cover:		4 - Morphological Adaptations ¹ (Provide supporting
lerb Stratum (Plot size: 5 ft r)	20 /6 01	total cover.		data in Remarks or on a separate sheet)
Microstegium vimineum	30	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Rubus allegheniensis	15		FACU	
Lonicera japonica	15		FACU	¹ Indicators of hydric soil and wetland hydrology must
Symphoricarpos orbiculatus	5		FACU	be present, unless disturbed or problematic.
Ligustrum sinense	3		FACU	Definitions of Four Vegetation Strata:
			1,400	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
· <u> </u>				more in diameter at breast height (DBH), regardless of
·				height.
•				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1
0				m) tall.
1				Herb – All herbaceous (non-woody) plants, regardless
24.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>34.00</u>	20% of	total cover:	13.60	Woody vine – All woody vines greater than 3.28 ft in
Voody Vine Stratum (Plot size: 30 ft r)				height.
•	-			
	-			
·				
·	-	-		Hydrophytic
				Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
lo woody vine stratum was observe	d at thi	e data r	oint	

SOIL Sampling Point: DP-358

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Features	S			•
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 14	10YR 4/2	80	10YR 5/8	15	С	М	Silty Clay Loam	
0 - 14			10YR 4/6	5	С	М	Silty Clay Loam	Secondary redox color.
14 - 18	10YR 4/2	65	10YR 5/8	30	С	М	Silty Clay Loam	
14 - 18			10YR 4/6	5	С	M	Silty Clay Loam	Secondary redox color.
-								
-								
-								
-								
¹ Type: C=Co	oncentration, D=Depl	etion. RM:	=Reduced Matrix. MS	S=Masked	Sand Gr	ains.	² Location: PI	L=Pore Lining, M=Matrix.
Hydric Soil I		00011, 1 001	Troddood Watin, We	<u>. machec</u>	Cana On			ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	e (S7)				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147,		oast Prairie Redox (A16)
Black His			Thin Dark Su				-, <u> </u>	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			, ,	Р	iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma	,	,			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		⁻ 6)		V	ery Shallow Dark Surface (TF12)
Depleted	Below Dark Surface	e (A11)	Depleted Dar	rk Surface	(F7)		0	ther (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Depre	essions (F	8)			
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan		es (F12) (LRR N,		
	\ 147, 148)		MLRA 13					
	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F	21) (MLR	A 127, 147	7) unl	ess disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								_
Depth (inc	ches):						Hydric Soil	Present? Yes V No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2025-01-08						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-359							
Investigator(s): JF, KZ Section, Township, Range:							
Landform (hillslope, terrace, etc.): Flat Local relie	ef (concave, convex, none): None Slope (%): 0-1						
Subregion (LRR or MLRA): P 136 Lat: 36.551301 Long: -79.616623 Datum: WGS 84							
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce	Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es V No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	ed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrologynaturally problemated	tic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Librario Coil Droponto Yes No V	Is the Sampled Area within a Wetland? Yes No						
Only one (i.e., hydrophytic vegetation) of the th	ree wetland parameters was satisfied at this						
data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (E	Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide Odo	r (C1) Drainage Patterns (B10)						
Saturation (A3) Oxidized Rhizosphere	s on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduced	Iron (C4) Dry-Season Water Table (C2)						
Sediment Deposits (B2) Recent Iron Reduction	n in Tilled Soils (C6) Crayfish Burrows (C8)						
Drift Deposits (B3) Thin Muck Surface (C	7) Saturation Visible on Aerial Imagery (C9)						
Algal Mat or Crust (B4) Other (Explain in Rem	arks) Stunted or Stressed Plants (D1)						
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							
No hydrology was observed at this data point.							

Sampli	na Point:	DP-359
Januari	na i Oilit.	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r	% Cover	Species?	Status	Number of Dominant Species
1. Liquidambar styraciflua	45		FAC	That Are OBL, FACW, or FAC: 4 (A)
2. Acer rubrum	30	✓	FAC	
3. Fagus grandifolia	15		FACU	Total Number of Dominant Species Across All Strata: 4 (B)
	5		UPL	Opedies Across Air otrata(b)
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				
	95	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 47.50	20% of	total cover:	19.00	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species <u>0</u>
1. Carpinus caroliniana	15	✓	FAC	FAC species 95 x 3 = 285
2. Carya tomentosa	2		UPL	FACU species 17 x 4 = 68
	2		FACU	UPL species 7 x 5 = 35
3. Juniperus virginiana	-		FACO	
4				Column Totals: <u>119</u> (A) <u>388</u> (B)
5				Prevalence Index = B/A = 3.26
6				
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9	4.0			3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 9.50	20% of	total cover:	3.80	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				
1. Smilax rotundifolia	5		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2				
				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree Mondy plants evaluding vince 2 in (7.6 cm) or
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				
9				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10	-			in tail.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>2.50</u>	20% of	total cover:	1.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	sheet.)			
No woody vine stratum was observe	d at thi	s data p	oint.	

SOIL								Sampling	Point: DP-359
Profile Desc	cription: (Descri	be to the de	pth needed to docu	ment the	indicate	or or confir	m the absence	of indicators.)	
Depth	Matrix Redox Features						Texture	Rema	rko
(inches) 0 - 2	Color (moist) 10YR 4/4	<u>%</u> 100	Color (moist)	%	<u>Type</u>	Loc ²	Clay Loam	Rema	IKS
2 - 6	10 YR 4/3	98	10YR 3/6	2	C		Clay Loam		
6 - 12	10 TR 4/3	80	10 TR 3/6	20	- C	IVI	Clay Loam		
12 - 18	-	80		15	- C		- ——		
	10YR 5/3		10YR 4/6			<u>M</u>	Clay Loam	0	
12 - 18	-		10YR 3/6	5	<u> </u>	<u>M</u>	Clay Loam	Secondary redo	ox color.
	-								
			<u> </u>					-	
	_		. -						
							<u> </u>	-	
							_		
		Depletion, RN	M=Reduced Matrix, M	1S=Maske	ed Sand	Grains.		L=Pore Lining, M=Ma	
Hydric Soil			5 10 ((O .T)				ators for Problemati	•
Histosol	(A1) pipedon (A2)		Dark Surfac Polyvalue B		:ace (S8)	(MI DA 147		cm Muck (A10) (MLF coast Prairie Redox (A	
Black Hi			Thin Dark S					(MLRA 147, 148)	(10)
	en Sulfide (A4)		Loamy Gley			, , , , , , , , , , , , , , , , , , ,		iedmont Floodplain S	ioils (F19)
	d Layers (A5)		Depleted M	atrix (F3)				(MLRA 136, 147)	
	uck (A10) (LRR N		Redox Dark					ery Shallow Dark Sur	
	d Below Dark Sur ark Surface (A12)		Depleted Da				C	other (Explain in Rema	arks)
	Ark Surface (A12) Aucky Mineral (S1		Redox Depr Iron-Manga) (LRR N.			
	A 147, 148)	· / (= ···· · ,	MLRA 1			, (=::::,			
	Gleyed Matrix (S4))	Umbric Surf					icators of hydrophytic	-
Sandy F			Piedmont F					tland hydrology must	
	Matrix (S6)	٠	Red Parent	Material ((F21) (M I	LRA 127, 14	47) un	less disturbed or prob	olematic.
	Layer (if observe	ea):							
Type:	ches):						Hydric Soil	Present? Yes	No <u>~</u>
Remarks:	CHES).						Tiyane 3011		
remains.									

Project/Site: Southeast Supply Enhancement Project C	ity/County: Pittsylvania County Sampling Date: 2025-01-08					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LL	.C State: Virginia Sampling Point: DP-360					
Investigator(s):MCS	ection, Township, Range:					
• ,,	al relief (concave, convex, none): Undulating Slope (%): 0-2					
Subregion (LRR or MLRA): P 136 Lat: 36.811816 Long: -79.359531 Datum: WGS 84						
Soil Map Unit Name: 7A - Codorus Ioam, 0 to 2 percent slopes, occasionally flooded NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year	r? Yes No (If no, explain in Remarks.)					
	isturbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally prob						
	sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No No	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e., wetland has soils) were satisfied at this data point.	ydrology, hydrophytic vegetation, and hydric					
·						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Pla						
High Water Table (A2) Hydrogen Sulfide						
	oheres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Red						
	uction in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surfac						
Algal Mat or Crust (B4) Other (Explain in						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3) Microtopographic Relief (D4)					
Water-Stained Leaves (B9) Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:	TAC-Neutral Test (D3)					
Surface Water Present? Yes No Depth (inches):_						
Water Table Present? Yes No Depth (inches):_						
Saturation Present? Yes No Depth (inches):_						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos	, previous inspections), if available:					
Remarks:						
Remarks.						
1						

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-360
00.6	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover		Status	Number of Dominant Species
1			<u> </u>	That Are OBL, FACW, or FAC: 3 (A)
2			<u> </u>	Total Number of Dominant
3				Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 60.00 (A/B)
6				
7				Prevalence Index worksheet:
	:	= Total Co	ver .	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover	<u> </u>	OBL species $\frac{0}{15}$ $\times 1 = \frac{0}{20}$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{15}{20}$ $x = \frac{30}{20}$
1				FAC species 30 $x 3 = 90$
2				FACU species 46 x 4 = 184
3		-		UPL species $0 \times 5 = 0$
4				Column Totals: 91 (A) 304 (B)
5				Prevalence Index = B/A = 3.34
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
		= Total Co	ver	3 - Prevalence Index is ≤3.0¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Andropogon virginicus	20	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Elephantopus carolinianus	15	~	FACU	
3. Dichanthelium clandestinum	15	~	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Symphyotrichum lateriflorum	15	~	FACW	
5. Verbesina alternifolia	15	~	FAC	Definitions of Four Vegetation Strata:
6. Allium vineale	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Glechoma hederacea	3		FACU	more in diameter at breast height (DBH), regardless of height.
8. Lonicera japonica	3		FACU	noight.
9.		-		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10		-		m) tall.
11				
		= Total Co	/or	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45.50				
Woody Vine Stratum (Plot size: 30 ft r)	_			Woody vine – All woody vines greater than 3.28 ft in height.
1				neight.
2			-	
3			-	
4				
5				Hydrophytic
<u>. </u>		= Total Co		Vegetation Present? Yes ✓ No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s		10101 00101	•	
remarks. (include prioto numbers here or on a separate s	ileet.)			
No tree, sapling/shrub, or woody vind	e strata	were	observ	ed at this data point.

SOIL Sampling Point: DP-360

Profile Desc	ription: (Describe t	o the dep	th needed to docur	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature				•
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	10YR 5/2	88	10YR 5/8	10	С	М	Silty Clay Loam	
0 - 7			10YR 6/3	2	С	М	Silty Clay Loam	Secondary redox color.
7 - 16	10YR 4/4	95	10YR 5/4	5	D	М	Silt Loam	
16 - 18	10YR 5/2	80	7.5YR 5/8	20	С	М	Silty Clay Loam	
_					_			
						. ——		
					-			
					-			
			-					
	oncentration, D=Depl	etion, RM:	Reduced Matrix, MS	S=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface		(00) (cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)
Black His	n Sulfide (A4)		Thin Dark Su Loamy Gleye			147, 140)	Þ	(MLRA 147, 148) iedmont Floodplain Soils (F19)
	l Layers (A5)		<u>✓</u> Depleted Ma		12)			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	, ,	- 6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar					ther (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre	essions (F	8)			
	lucky Mineral (S1) (L	RR N,	Iron-Mangan		es (F12) (LRR N,		
	147, 148)		MLRA 13				3, ,	
	sleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
-	edox (S5) Matrix (S6)		Piedmont Floor Red Parent N					tland hydrology must be present, ess disturbed or problematic.
	_ayer (if observed):		Red r drent n	viatoriai (i	21) (MER	7 121, 141	1	ess distarbed of problematic.
Type:	,							
• • •	ches):						Hydric Soil	Present? Yes V No No
Remarks:	,							

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2025-01-08					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-361					
Investigator(s):MCS Section Se	ion, Township, Range:					
Landform (hillslope, terrace, etc.): Floodplain Local re						
Subregion (LRR or MLRA): P 136 Lat: 36.811445 Long: -79.359724 Datum: WGS 84						
Soil Map Unit Name: 7A - Codorus Ioam, 0 to 2 percent slopes, occasionally flooded NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem						
	mpling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants						
High Water Table (A2) Hydrogen Sulfide Oc						
Saturation (A3) Oxidized Rhizosphe						
Water Marks (B1) Presence of Reduce						
Sediment Deposits (B2) Recent Iron Reduction						
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) _✓ FAC-Neutral Test (D5)					
Field Observations:	1 AO-Neutral Test (D3)					
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:					
Remarks:						
Remarks.						

EGETATION (Four Strata) – Use scientific na		•		Sampling Point: DP-361
Torre Otrature (Diet siese 30 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1)		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
2				
3				Total Number of Dominant Species Across All Strata: 3 (B)
				Species Across Air Strata.
4				Percent of Dominant Species
b				That Are OBL, FACW, or FAC: 100.00 (A/B)
3				Prevalence Index worksheet:
7				
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 5 $x 2 = 10$
Platanus occidentalis	5	/	FACW	FAC species 95 x 3 = 285
Liquidambar styraciflua	5	<u> </u>	FAC	FACU species 10 x 4 = 40
			IAC	
3				
4				Column Totals: <u>110</u> (A) <u>335</u> (B)
5				Dravalance Index: = D/A = 3 0/1
3				Prevalence Index = B/A = 3.04
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
3				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 5.00	20% of	total cover:	2.00	
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1 Dichanthelium clandestinum	80	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Solidago rugosa	10		FAC	
Rosa multiflora	5		FACU	¹ Indicators of hydric soil and wetland hydrology must
·	5		FACU	be present, unless disturbed or problematic.
_{4.} Lonicera japonica			FACO	Definitions of Four Vegetation Strata:
5				
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9			-	than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	100	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 50.00	20% of	total cover:	20.00	Manday in All wands vines manday they 2 20 ft in
Woody Vine Stratum (Plot size: 30 ft r				Woody vine – All woody vines greater than 3.28 ft in height.
1				noight.
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	er	Present? Yes V No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate sl			-	
Tomands. (include prioto numbers nere or on a separate si	icci.)			
No tree or woody vine strata were ob	served	at this	data r	point.

US Army Corps of Engineers

SOIL Sampling Point: DP-361

Profile Desc	ription: (Describe	to the dep	th needed to docum	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature	s			
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 12	10YR 5/2	90	7.5YR 5/8	10	<u>C</u>	M	Silty Clay Loam	
12 - 18	10YR 5/2	75	7.5YR 5/8	20	С	М	Silty Clay Loam	
12 - 18			7.5YR 6/4	5	С	М	Silty Clay Loam	Secondary redox color.
-								
_								
						·		
						·		
	-	· ——						
		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface		(CO) (B	AL DA 447		cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be Thin Dark Su				, 148) C	oast Prairie Redox (A16) (MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			147, 140)	Pi	iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Mar		(- –)		<u> </u>	(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface (F	- 6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar				0	ther (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depre			I DD N		
-	lucky Mineral (S1) (L \ 147, 148)	LKK N,	Iron-Mangan MLRA 13		es (F12) (LKK N,		
	sleyed Matrix (S4)		Umbric Surfa		(MLRA 13	36, 122)	³ Indi	icators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 14	7) unl	ess disturbed or problematic.
Restrictive I	_ayer (if observed):							
Type:								,
Depth (inc	ches):						Hydric Soil	Present? Yes V No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-02-17
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-362
Investigator(s):KZ Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local reli	ef (concave, convex, none): Concave Slope (%): 3-5
Subregion (LRR or MLRA): P 136 Lat: 36.557698	
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percen	t slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks:	
Only one (i.e., wetland hydrology) of the three	wetland parameters was satisfied at this data
point.	·
point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (I	
High Water Table (A2) Hydrogen Sulfide Odd	
Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	• • • • • • • • • • • • • • • • • • • •
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Ren	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches): 6	
Saturation Present? Yes No Depth (inches): 6	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections) if available:
Describe Nessided Bata (stream gauge, monitoring well, dental priotes, pre	violo inspectione), il avallable.
Remarks:	

		_	Indicator	Dominance Test worksho		
Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Spec		
quidambar styraciflua	20		FAC	That Are OBL, FACW, or F	AC: <u>3</u>	(A)
arya glabra	20		FACU	Total Number of Dominant	[
uniperus virginiana	10		FACU	Species Across All Strata:	6	(B)
cer rubrum	10		FAC	Percent of Dominant Spec	ies	
				That Are OBL, FACW, or F		(A/B)
				December of the learning of the		
				Prevalence Index worksh		
		= Total Cov		Total % Cover of:	Multiply by:	
50% of total cover: <u>30.00</u>	20% of	total cover	12.00		x 1 = 0	—
ng/Shrub Stratum (Plot size: 15 ft r					x 2 = 10	—
burnum prunifolium	10		FACU		x 3 = 186	
unus padus	5		UPL	FACU species 42	x 4 = 168	—
quidambar styraciflua	5		FAC		x 5 = 25	
			. <u> </u>	Column Totals: 114	_(A) <u>389</u>	(B)
				Prevalence Index =	D/A = 3.41	
				Hydrophytic Vegetation		
				1 - Rapid Test for Hyd		
				2 - Dominance Test is		
	20	= Total Cov	er	3 - Prevalence Index i		
50% of total cover: 10.00				4 - Morphological Ada		
Stratum (Plot size: 5 ft r)					on a separate shee	•
icrostegium vimineum	20	~	FAC	Problematic Hydrophy	tic Vegetation' (Exp	lain)
milax rotundifolia	5		FAC			
uncus effusus	5		FACW	¹ Indicators of hydric soil ar be present, unless disturbe		/ must
arex sp	5			i i	•	
onicera japonica	2		FACU	Definitions of Four Vege	ation Strata:	
splenium trichomanes	2		FAC	Tree - Woody plants, excl		
				more in diameter at breast height.	height (DBH), regar	dless of
				noight.		
				Sapling/Shrub – Woody p		
				than 3 in. DBH and greate m) tall.	than of equal to 3.2	20 11 (1
_		= Total Cov		Herb – All herbaceous (no of size, and woody plants		
50% of total cover: 19.50						
dy Vine Stratum (Plot size: 30 ft r)			·	Woody vine – All woody v	ines greater than 3.2	28 ft in
,,				height.		
				Hydrophytic		
				Vegetation Present? Yes	No	
50% of total cover:				_		-
		total cover	<u> </u>			
arks. (include prioto numbers nere or on a separate s	nieet.)					
50% of total cover:arks: (Include photo numbers here or on a separate s	20% of		<u>:</u>			

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 8	10YR 4/3	80	7.5YR 4/6	20	С	M	Clay Loam	
8 - 13	10YR 4/4	95	7.5YR 4/6	5	С	M	Clay Loam	
13 - 18	10YR 4/3	60	7.5YR 4/6	40	С	<u>M</u>	Clay Loam	Manganese Masses
-								
-								
-								
		_			_			
		-						
		_		-	_			
	_				_			
1 _{Tymov} C=C	naontration D-Dar	olotion DN	4-Daduard Matrix M		- Cond Co		2l costion: D	L-Doro Lining M-Matrix
Hydric Soil I		oletion, Riv	1=Reduced Matrix, MS	S=Maske	ed Sand Gi	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(97)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ace (S8) (I	MI RA 147		Coast Prairie Redox (A16)
Black His			Thin Dark Su				0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			147, 140)	D	riedmont Floodplain Soils (F19)
					(1 2)		<u> </u>	
	Layers (A5)		Depleted Ma		(E0)			(MLRA 136, 147)
	ck (A10) (LRR N)	(4.4.4)	Redox Dark		. ,			(ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dai				0	Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (LRR N,	Iron-Mangan		ses (F12)	(LRR N,		
	147, 148)		MLRA 13					
	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain	Soils (F19)	(MLRA 14	48) we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	∕laterial (F21) (MLF	RA 127, 14	7) uni	less disturbed or problematic.
Restrictive L	ayer (if observed)	:						
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2025-01-08
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-363
Investigator(s):MCS Section Se	ion, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local re	
	Long:79.369269 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	25 percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydsoils) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oc	
Saturation (A3) Oxidized Rhizospher	
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re Iron Deposits (B5)	
Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	
Remarks.	

		plants.		Sampling Point: DP-363
- 20 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	<u>% Cover</u>	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
1				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species <u>45</u> x 2 = <u>90</u>
1				FAC species 18 x 3 = 54
2.				FACU species <u>22</u> x 4 = <u>88</u>
3				UPL species 0 x 5 = 0
				Column Totals: 85 (A) 232 (B)
1				
5				Prevalence Index = B/A = 2.72
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
_{1.} Juncus effusus	45		FACW	Problematic Hydrophytic Vegetation (Explain)
2. Schedonorus pratensis	15		FACU	1
_{3.} Microstegium vimineum	15		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Trifolium repens	5		FACU	Definitions of Four Vegetation Strata:
Ranunculus bulbosus	3		FAC	Definitions of Four Vegetation Strata.
Digitaria sanguinalis	2		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of height.
7				neight.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				m) tan.
11	0.E	-		Herb – All herbaceous (non-woody) plants, regardless
500/ - Statal 42 5		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 42.50	20% of	total cover:	17.00	Woody vine – All woody vines greater than 3.28 ft in
				height.
		-		
1				
1				
				Hydrophytic
1				Hydrophytic Vegetation
1			 er	
1		= Total Cov		Vegetation

SOIL								Sampling Point: DP-363		
Profile Desc	cription: (Describ	be to the de	pth needed to docu	ment the	indicato	r or confirn	n the absence	of indicators.)		
Depth (inches)	Matrix Color (moist)	<u>(</u>	Color (moist)	ox Featur %	es Type ¹	Loc ²	Texture	Remarks		
0 - 7	10YR 4/2	<u></u>	5YR 4/6	25	C	PL / M	Clay Loam	Remarks		
7 - 12	10YR 4/2	<u>75</u>	5YR 4/6	20	C		Clay Loam			
7 - 12	10111 4/2		10YR 6/1	5 5	- U	_ M	Clay Loam	Secondary redox color.		
12 - 18	10YR 6/1	80	5YR 4/6	20	_ _	_ M	Clay Loam	Occordary redox color.		
12 - 10	1011 0/1		31K 4/0	20	_ <u> </u>	_ 101	Clay Loain			
										
				· 						
	-		· -		_					
										
			<u> </u>				2			
'Type: C=Co		epletion, RN	/I=Reduced Matrix, N	IS=Maske	ed Sand C	Grains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :		
Histosol			Dark Surfac	e (S7)				cm Muck (A10) (MLRA 147)		
	oipedon (A2)		Polyvalue B		ace (S8)	(MLRA 147,		Coast Prairie Redox (A16)		
Black Hi			Thin Dark S				, <u> </u>	(MLRA 147, 148)		
	en Sulfide (A4)		Loamy Gley		(F2)		P	Piedmont Floodplain Soils (F19)		
	d Layers (A5) uck (A10) (LRR N)		✓ Depleted Ma — Redox Dark		(E6)		V	(MLRA 136, 147) /ery Shallow Dark Surface (TF12)		
	d Below Dark Surf		Depleted Da		. ,			Other (Explain in Remarks)		
Thick Da	ark Surface (A12)		Redox Depr	essions (F8)			, i		
	Mucky Mineral (S1) (LRR N,	Iron-Mangai		ses (F12)	(LRR N,				
	A 147, 148) Gleyed Matrix (S4)		MLRA 1: Umbric Surf		(MIRA	136, 122)	³ Ind	licators of hydrophytic vegetation and		
Sandy R			Piedmont FI					etland hydrology must be present,		
Stripped	Matrix (S6)		Red Parent	Material (F21) (ML	RA 127, 14				
	Layer (if observe	d):								
Type:	-l \·						Hydric Soil	Present? Yes V No		
Remarks:	ches):						nyaric Soil	Present? res No		
Remarks.										

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2025-01-08
	State: Virginia Sampling Point: DP-364
	on, Township, Range:
	ef (concave, convex, none): Convex Slope (%): 0-2
	Long:79.617591 Datum: WGS 84
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percen	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No 🗸	within a Wetland? Yes No
Remarks:	
None of the three wetland parameters (i.e., wet hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B	B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odd	or (C1) Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizosphere	es on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	n in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rem	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	
ino flydrology was observed at this data point.	

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-364
T 0: 1 (D) 1 : 20 ft r	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2.				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				(2)
5				Percent of Dominant Species That Are OBL FACW or FAC: 0.00 (A/B)
				That Are OBL, FACW, or FAC: 0.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
50% of total cover:		= Total Cov		OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total cover.		FACW species 20 x 2 = 40
				FAC species $5 x 3 = 15$
1				FACU species 105 x 4 = 420
2				UPL species 0 $x = 5$
3		· ——		120
4				Column Totals: 130 (A) 475 (B)
5		. <u></u>		Prevalence Index = B/A = 3.65
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0¹
		= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Schedonorus arundinaceus	75		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dichanthelium scoparium	20		FACW	
3. Lespedeza cuneata	15		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4 Andropogon virginicus	10		FACU	· ·
5 Solidago altissima	5		FACU	Definitions of Four Vegetation Strata:
6. Setaria pumila	5		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
	-			more in diameter at breast height (DBH), regardless of height.
7 8.				neight.
				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10		· ——		iii) taii.
11	130			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 65.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	20% 01	total cover.	20.00	Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3		· ——		
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	neet.)			
No tree, sapling/shrub or woody vine	strata	were o	bserve	ed at this data point.

SOIL

		e to the de	pth needed to docur			r or confirn	n the absence	of indicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Feature %	es <u>Type</u> 1	Loc ²	Texture	Rema	arks
0 - 7	10YR 4/3	95	7.5YR 4/6	5	С		Clay Loam		
7 - 18	10YR 5/3	80	7.5YR 4/6	20	С		Clay Loam		
	10111 0/0		7.011(4/0				Oldy Louin	-	
			<u> </u>						
-									
	-								
			<u> </u>						
-									
1- 0.0							2		
		pletion, RN	M=Reduced Matrix, MS	3=Maske	d Sand G	Brains.		L=Pore Lining, M=M	
Hydric Soil			5 . 6 .	(O=)				ators for Problemat	
Histosol			Dark Surface	, ,	(00)	(MIL D.A. 4.47		cm Muck (A10) (ML	
	pipedon (A2)		Polyvalue Be		, ,	•	, 148) C	oast Prairie Redox ((A16)
	istic (A3)		Thin Dark Su			147, 148)	D	(MLRA 147, 148)	Coile (F10)
	en Sulfide (A4) d Layers (A5)		Loamy Gleye Depleted Ma		(FZ)		<u> </u>	iedmont Floodplain : (MLRA 136, 147)	Solis (F 19)
	uck (A10) (LRR N)		Redox Dark		F6)		V	ery Shallow Dark Su	ırface (TF12)
	d Below Dark Surfa	ice (A11)	Depleted Dai	,	,			ther (Explain in Ren	
	ark Surface (A12)	00 (7111)	Redox Depre				•	and (Explain in ton	narro)
	/lucky Mineral (S1)	(LRR N.	Iron-Mangan			(LRR N.			
	A 147, 148)	,	MLRA 13		,	,			
	Gleyed Matrix (S4)		Umbric Surfa	-	(MLRA	136, 122)	³ Indi	icators of hydrophyti	ic vegetation and
	Redox (S5)		Piedmont Flo					tland hydrology mus	
	l Matrix (S6)		Red Parent N					ess disturbed or pro	
Restrictive I	Layer (if observed):						·	
Type:									
• • •	ches):						Hydric Soil	Present? Yes	No <u> </u>
Remarks:							,		
remane.									

Project/Site: Southeast Supply Enhancement Project City	//County: Pittsylvania Co	ounty s	Sampling Date: 2025-01-14			
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	·	State: Virginia	Sampling Point: DP-365			
Investigator(s):MCS Sec						
Landform (hillslope, terrace, etc.): Hillslope Local r						
Subregion (LRR or MLRA): P 136 Lat: 36.757851 Long: -79.418894 Datum: WGS 84						
Soil Map Unit Name: 5B3 - Clifford sandy clay loam, 2 to 7 percer						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Rer	marks.)			
Are Vegetation, Soil, or Hydrology significantly dist	turbed? Are "Normal	Circumstances" pre	esent? Yes No			
Are Vegetation, Soil, or Hydrology naturally proble		xplain any answers				
SUMMARY OF FINDINGS – Attach site map showing sa						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes V No Yes No V	Is the Sampled Area within a Wetland?	Yes	No <u>~</u>			
Remarks:						
Only two (i.e., hydrophytic vegetation and hywere satisfied at this data point. HYDROLOGY	unc sons, or the	ee wetian	iu parameters			
		Cocondon, Indicate	are (minimum of two required)			
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)		Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plants High Water Table (A2) Hydrogen Sulfide C		Sparsely Vegetated Concave Surface (B8)				
	eres on Living Roots (C3)	Drainage Patterns (B10)				
Oxidized Milzosphi Water Marks (B1) Presence of Reduc		Moss Trim Lines (B16)Dry-Season Water Table (C2)				
Sediment Deposits (B2) Recent Iron Reduc		Dry-Season Water Table (C2) Crayfish Burrows (C8)				
Drift Deposits (B3) Thin Muck Surface						
Algal Mat or Crust (B4) Other (Explain in R		Saturation Visible on Aerial Imagery (C9)Stunted or Stressed Plants (D1)				
Iron Deposits (B5)	,	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)				
Water-Stained Leaves (B9)		Microtopographic Relief (D4)				
Aquatic Fauna (B13)		FAC-Neutral T	est (D5)			
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland H	lydrology Present?	? Yes No			
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections) if ava	ilahle:				
Describe Necorded Data (stream gauge, monitoring well, aerial priotos, p	nevious inspections), ii ava	liable.				
Remarks:						

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r) 1	% Cover	Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 3	(A)
					_ (' ')
				Total Number of Dominant Species Across All Strata: 3	(B)
				Species Across Air Strata.	(b)
				Percent of Dominant Species That Are OBL FACW or FAC: 100.00	
				That Are OBL, FACW, or FAC: 100.00	(A/E
i				Prevalence Index worksheet:	
		T-4-1 0		Total % Cover of: Multiply by:	<u>:</u>
50% of total cover:	= Total Cover			OBL species 0 x 1 = 0	
Sapling/Shrub Stratum (Plot size: 15 ft r)	20% 01	lotal cover.		FACW species 43 x 2 = 86	
				FAC species 30 x 3 = 90	
•				FACU species 27 x 4 = 108	
				UPL species $0 \times 5 = 0$	
				Column Totals: 100 (A) 284	— _{(D}
				Column Totals. (A) 234	(B
i <u>. </u>				Prevalence Index = B/A = 2.84	
i				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	1
l <u> </u>				✓ 2 - Dominance Test is >50%	
				3 - Prevalence Index is ≤3.0 ¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Provide s	supportir
50% of total cover:	20% of	total cover:		data in Remarks or on a separate she	
Herb Stratum (Plot size: 5 ft r				Problematic Hydrophytic Vegetation¹ (Ex	•
Dichanthelium clandestinum	30		FAC	1 Tobiematic Trydrophytic Vegetation (Ex	Jiaiii)
Dichanthelium scoparium	20		FACW	¹ Indicators of hydric soil and wetland hydrolog	ny muot
Juncus effusus	20		FACW	be present, unless disturbed or problematic.	jy must
Solidago canadensis	15		FACU	Definitions of Four Vegetation Strata:	
5. Schedonorus pratensis	10		FACU	_	
S. Elymus virginicus	3		FACW	Tree – Woody plants, excluding vines, 3 in. (7 more in diameter at breast height (DBH), rega	
_Lonicera japonica	2		FACU	height.	ii diess c
3.					
).				Sapling/Shrub – Woody plants, excluding vir than 3 in. DBH and greater than or equal to 3	1es, less 28 ft (1
0				m) tall.	.2011 (1
1				Harb All leads as a configuration of the state of	
		= Total Cov		Herb – All herbaceous (non-woody) plants, re of size, and woody plants less than 3.28 ft tall	
50% of total cover: 50.00					
Voody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3	.28 ft in
				height.	
2					
3					
<u>-</u>				Hydrophytic	
5				Vegetation Present? Yes ✓ No	
		= Total Cov		rieseitt? Tes No	_
50% of total cover:		total cover:			
Remarks: (Include photo numbers here or on a separate s	heet.)				
La Anna a cara Cara Labanda cara a sa a da cada a		woro	. la a a m r	ad at this data point	
No tree, sapling/shrub, or woody vine	a Giraia	W	meany		

US Army Corps of Engineers

SOIL Sampling Point: DP-365										
Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicato	or confirm	n the absence	of indicate	ors.)	
Depth Matrix Redox Features										
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0 - 3	7.5YR 4/2	100					Silty Clay Loam			
3 - 12	7.5YR 5/2	85	7.5YR 4/6	15	С	<u>M</u>	Silty Clay Loam			
12 - 18	7.5YR 5/2	65	7.5YR 4/6	35	С	<u>M</u>	Silty Clay Loam			
-										
-										
								-		
								-		
					· <u></u>					
							-			
		_			· ·					
		pletion, RM	I=Reduced Matrix, M	S=Maske	d Sand G	rains.	² Location: PL			3
Hydric Soil I									roblematic Hy	
Histosol			Dark Surface		(00)				A10) (MLRA 14	1 7)
	oipedon (A2)		Polyvalue Be						Redox (A16)	
Black Hi	en Sulfide (A4)		Loamy Gleye	•	, .	147, 140)		(MLRA 14	oodplain Soils ((F10)
	d Layers (A5)		<u>✓</u> Depleted Ma		(1 2)			(MLRA 13		1 19)
	ick (A10) (LRR N)		Redox Dark		- 6)				Dark Surface	(TF12)
	d Below Dark Surfa	ce (A11)	Depleted Da						in in Remarks)	
	ark Surface (A12)		Redox Depre							
	lucky Mineral (S1)	(LRR N,	Iron-Mangan		es (F12)	(LRR N,				
	A 147, 148)		MLRA 13		/MI DA 4	00 400)	31			-4-4: d
	Gleyed Matrix (S4)		Umbric Surfa						ydrophytic veg	
Sandy R Stripped			Piedmont Flo					-	logy must be p ed or problema	
	_ayer (if observed)):	red r drener	viateriai (i	21) (III.	VA 127, 14	1	200 010(010	ca or probleme	1110.
Type:		,								
	ches):						Hydric Soil	Present?	Yes 🗸	No
Remarks:										

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-01-14					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-366					
Investigator(s):MCS Section	on, Township, Range:					
Landform (hillslope, terrace, etc.): Hillslope Local reli	ef (concave, convex, none): Concave Slope (%): 3					
	Long:79.41904					
Soil Map Unit Name: 5B3 - Clifford sandy clay loam, 2 to 7 percent s						
Are climatic / hydrologic conditions on the site typical for this time of year? $$ Y	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems	tic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	Is the Sampled Area within a Wetland? Yes No					
Remarks:						
Only one (i.e., hydrophytic vegetation) of the three wetland parameters was satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (I						
High Water Table (A2) Hydrogen Sulfide Odd						
Saturation (A3) Oxidized Rhizosphere						
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reductio						
Drift Deposits (B3) Thin Muck Surface (C Algal Mat or Crust (B4) Other (Explain in Ren						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Damadia						
Remarks:						

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-366
20.4	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 3 (A)
2			· ——	Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6			· -	Prevalence Index worksheet:
7			·	Total % Cover of: Multiply by:
		= Total Cov		OBL species 0 $x 1 = 0$
50% of total cover:	20% of	total cover		FACW species 40
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 20 x 3 = 60
1			· -	FACU species 30
2			· ——	UPL species 0 x 5 = 0
3		-		
4				Column Totals: 90 (A) 260 (B)
5		-		Prevalence Index = B/A = 2.88
6		-	·	Hydrophytic Vegetation Indicators:
7			· -	1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9			· ——	3 - Prevalence Index is ≤3.0 ¹
F00/ - f1+1-1		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% 01	total cover		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r 1. Juncus effusus	20	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dichanthelium clandestinum	20		FAC	
3. Dichanthelium scoparium	20		FACW	¹ Indicators of hydric soil and wetland hydrology must
4 Solidago canadensis	15		FACU	be present, unless disturbed or problematic.
5 Andropogon virginicus	10		FACU	Definitions of Four Vegetation Strata:
6 Schedonorus pratensis	5	-	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
7		-	· -	height.
8		-	· -	Sapling/Shrub – Woody plants, excluding vines, less
9			· ·	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10			· ——	m) tan.
11	^^		· ——	Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 45.00		= Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover		Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4			·	Hydrophytic
5				Vegetation Present? Yes ✓ No
50% of total cover:		= Total Cov		
Remarks: (Include photo numbers here or on a separate sl		total GOVE	·	<u> </u>
No tree, sapling/shrub, or woody vine	e strata	were o	observ	ed at this data point.
•				

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 5/3	85	5YR 4/6	15	С	М	Silty Clay Loam	
12 - 18	10YR 5/3	60	5YR 5/6	30	<u>C</u>	M	Clay Loam	
12 - 18			10YR 6/2	10	D	M	Clay Loam	Secondary redox color.
					_		·	
					_		-	
¹Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Maske	d Sand G	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Be	. ,	ace (S8) (I	MLRA 147.		coast Prairie Redox (A16)
Black His			Thin Dark Su				=	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			141, 140)	D	iedmont Floodplain Soils (F19)
					(FZ)		<u> </u>	
	Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar				0	other (Explain in Remarks)
	rk Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	_RR N,	Iron-Mangan		ses (F12)	(LRR N,		
MLRA	. 147, 148)		MLRA 13	6)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 1	36, 122)	³ Ind	icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N					less disturbed or problematic.
	ayer (if observed):			(, (,	1	р. с.
Type:	, (00							
• • •	ches):						Hydric Soil	Present? Yes No
Remarks:								
remains.								

SOIL

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-01-14						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-367						
Investigator(s). JF Sect	ion, Township, Range:						
	Long:79.630078 Datum: WGS 84						
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perc							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distu	ırbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problem							
SUMMARY OF FINDINGS – Attach site map showing sai	mpling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No V Yes No V Yes	Is the Sampled Area within a Wetland? Yes No						
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were observed at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants							
High Water Table (A2) Hydrogen Sulfide O							
	res on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduce Sediment Deposits (B2) Recent Iron Reducti							
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:						
Remarks:							
No hydrology was observed at this data point.							

- 20 ft r	Absolute	Dominant		Dominance Test worksheet:
			Status	Number of Dominant Species
1. 33434 344	40		FACU	That Are OBL, FACW, or FAC: 3 (A)
2	15		UPL	Total Number of Dominant
o	5		FACU	Species Across All Strata: 6 (B)
_{4.} Carya glabra	5		FACU	Dersont of Deminant Charles
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)
6				
7.	,			Prevalence Index worksheet:
	65 ₌	Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 32.50				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r			-	FACW species $0 x 2 = 0$
	10	~	FACU	FAC species 15 x 3 = 45
	5		FAC	FACU species 65 x 4 = 260
2			1710	UPL species 15 x 5 = 75
3				Column Totals: 95 (A) 380 (B)
4				Column rotals. (A) (B)
5				Prevalence Index = B/A = 4.00
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				
9				2 - Dominance Test is >50%
	4-	Total Cov	er	3 - Prevalence Index is ≤3.0¹
50% of total cover: <u>7.50</u>				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
	5	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Fagus grandifolia	5		FACU	
2. 1 4940 9.4				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Continue/Charles Weady plants avaluating visco lass
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11.				
	10 =	Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 5.00		total cover:		of size, and woody plants loss than 5.25 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	_ 20 70 01	total oovoi.		Woody vine – All woody vines greater than 3.28 ft in
	5	./	FAC	height.
·			1 // /	
2				
3				
4				Hydrophytic
5				Vegetation
<u> </u>		Total Cov		Present? Yes No
50% of total cover: 2.50	_ 20% of	total cover:	1.00	
Remarks: (Include photo numbers here or on a separate she	eet.)			
(,			
4	5 = _ 20% of			

SOIL Sampling Point: DP-367

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	the absence	e of indicators.)
Depth	Matrix			x Feature		. 2		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 1	10YR 2/2	100					Loam	
1 - 4	10YR 4/4	100					Clay Loam	
4 - 19	10YR 5/4	60	10YR 5/8	40	<u>C</u>	<u>M</u>	Clay	
-								
_								
		-						
		-						
	_	-						
 								
		letion, RM:	=Reduced Matrix, MS	S=Masked	Sand Gra	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil I			D 10 ((07)				ators for Problematic Hydric Soils ³ :
Histosol	(A1) iipedon (A2)		Dark Surface Polyvalue Be		ce (S8) (N	II RΔ 147		2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16)
Black His			Thin Dark Su				0,	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			, ,	F	Piedmont Floodplain Soils (F19)
Stratified	Layers (A5)		Depleted Ma	trix (F3)				(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	•	,			/ery Shallow Dark Surface (TF12)
	l Below Dark Surface irk Surface (A12)	e (A11)	Depleted Dar Redox Depre				_ (Other (Explain in Remarks)
	lucky Mineral (S1) (L	RR N.	Iron-Mangan			LRR N.		
-	. 147, 148)	,	MLRA 13		00 (1 12) (1			
	leyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)		dicators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7) ur	nless disturbed or problematic.
	ayer (if observed):							
Type:	ula a a V						Hardela Cal	I December 2 Vac No V
Depth (inc	cnes):						Hydric Soi	I Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2025-01-14
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-368
Investigator(s): JF Sectio	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local relie	ef (concave, convex, none): Concave Slope (%): 0-2
Subregion (LRR or MLRA): P 136 Lat: 36.58866	Long:79.584918 Datum: WGS 84
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce	ent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	itic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: All three wetland parameters (i.e., wetland hydrology were noticed at this data point.)	Is the Sampled Area within a Wetland? Yes No rology, hydrophytic vegetation, and hydric
soils) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (E High Water Table (A2) Hydrogen Sulfide Odc Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C Algal Mat or Crust (B4) Other (Explain in Rem Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations:	Sparsely Vegetated Concave Surface (B8) or (C1) Drainage Patterns (B10) es on Living Roots (C3) Moss Trim Lines (B16) I Iron (C4) Dry-Season Water Table (C2) n in Tilled Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	

Sampling	Point:	DP-368
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20.4	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species	
1. Acer rubrum	45		FAC	That Are OBL, FACW, or FAC: 7	۹)
2. Liquidambar styraciflua	15	~	FAC	Total Number of Deminent	
3. Quercus alba	10		FACU	Total Number of Dominant Species Across All Strata: 7 (I	В)
Pinus virginiana	1		UPL		-,
· · · · · · · · · · · · · · · · · · ·				Percent of Dominant Species That Are OBL_FACW_or_FAC: 100.00	
				That Are OBL, FACW, or FAC: 100.00	4/B)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply by:	
		= Total Cov			
50% of total cover: <u>35.50</u>	20% of	total cover:	14.20		
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{5}{100}$ x 2 = $\frac{10}{200}$	
1. Smilax rotundifolia	20		FAC	FAC species $\frac{120}{120}$ x 3 = $\frac{360}{120}$	
2. Acer rubrum	5		FAC	FACU species 10 x 4 = 40	
3			·	UPL species $\frac{1}{x \cdot 5} = \frac{5}{x \cdot 5}$	
4				Column Totals: 136 (A) 415	(B)
					, ,
5		-		Prevalence Index = $B/A = 3.05$	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8				✓ 2 - Dominance Test is >50%	
9				3 - Prevalence Index is ≤3.0¹	
	25 :	= Total Cov	er		
50% of total cover: 12.50	20% of	total cover:	5.00	4 - Morphological Adaptations ¹ (Provide suppo	rting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
1. Smilax rotundifolia	15	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
2 Juncus effusus	5		FACW		
<u></u>				¹ Indicators of hydric soil and wetland hydrology mu	st
3				be present, unless disturbed or problematic.	
4				Definitions of Four Vegetation Strata:	
5					
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm more in diameter at breast height (DBH), regardles:	
7				height.	5 01
8					
0				Sapling/Shrub – Woody plants, excluding vines, le	ess
· · ·				than 3 in. DBH and greater than or equal to 3.28 ft m) tall.	(1
10				m) tan.	
11				Herb – All herbaceous (non-woody) plants, regardle	ess
		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 10.00	20% of	total cover:	4.00	Woody vine – All woody vines greater than 3.28 ft	in
Woody Vine Stratum (Plot size: 30 ft r)				height.	
1. Smilax rotundifolia	20		FAC		
2					
3					
4					
				Hydrophytic	
5	20			Vegetation Present? Yes ✓ No	
50% (4.4.4		= Total Cov		11000III. 100	
50% of total cover: 10.00		total cover:	4.00		
Remarks: (Include photo numbers here or on a separate si	heet.)				

SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the	indicator	or confirm	the absence	of indicators.)		
Depth				Redox Features						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	<u>Remarks</u>		
0 - 1	10YR 3/2	100					Loam			
1 - 11	10YR 4/2	75	10YR 5/8	25	С	PL / M	Clay Loam			
11 - 16	10YR 4/2	60	7.5YR 4/6	15	С	M	Clay Loam			
11 - 16			7.5YR 5/6	25	C	PL / M	Clay Loam	Secondary redox color.		
16 - 20	10YR 5/2	80	7.5YR 5/6	20	С	PL / M	Clay Loam			
	-									
-										
¹Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.		
Hydric Soil I		,	,					ators for Problematic Hydric Soils ³ :		
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)		
	pipedon (A2)		Polyvalue Be	. ,	ace (S8) (N	ILRA 147,		oast Prairie Redox (A16)		
Black Hi	stic (A3)		Thin Dark Su	rface (S9) (MLRA 1	47, 148)		(MLRA 147, 148)		
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix	(F2)		P	iedmont Floodplain Soils (F19)		
Stratified	l Layers (A5)		✓ Depleted Ma	trix (F3)				(MLRA 136, 147)		
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	Surface (F	- 6)		v	ery Shallow Dark Surface (TF12)		
	d Below Dark Surfac	e (A11)	Depleted Dar		. ,		0	ther (Explain in Remarks)		
	ark Surface (A12)		Redox Depre							
	lucky Mineral (S1) (I	LRR N,	Iron-Mangan		ses (F12) (LRR N,				
	147, 148)		MLRA 13		(B. 11 D. 14 A.		3, ,			
	leyed Matrix (S4)			Umbric Surface (F13) (MLRA 136, 122) 3Indicators of hydrophytic vegetation and						
-	ledox (S5)		Piedmont Floodplain Soils (F19) (MLRA 148)Red Parent Material (F21) (MLRA 127, 147)wetland hydrology must be present, unless disturbed or problematic.							
	Matrix (S6)		Red Parent N	/laterial (F	-21) (MLR	A 127, 147	() uni	less disturbed or problematic.		
Type:	_ayer (if observed):	1								
Depth (inc	ches).						Hydric Soil	Present? Yes / No		
Remarks:							Tiyano con	11050H: 105 NO		
Remarks.										

Project/Site: Southeast Supply Enhancement Project 0	Sity/County: Pittsylvania County Sampling Date: 2025-01-14					
Applicant/Owner: Transcontinental Gas Pipe Line Company, Li						
Investigator(s):MCS	Section, Township, Range:					
• , , -	al relief (concave, convex, none): Concave Slope (%): 1					
Subregion (LRR or MLRA): P 136 Lat: 36.719123	Long: -79.457244 Datum: WGS 84					
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15	to 25 percent slopes NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year	r? Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly of	listurbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally prob	olematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing	sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No No Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Pla						
High Water Table (A2) Hydrogen Sulfid						
	pheres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Rec Sediment Deposits (B2) Recent Iron Red	luced Iron (C4) Dry-Season Water Table (C2) uction in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surfa						
Algal Mat or Crust (B4) Other (Explain in						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos	previous inspections), if available:					
3g.,	,,, , , , , , , , , , , , , , , , , , ,					
Remarks:						

20.4	Absolute	Dominant		Dominance Test worksheet:	
ree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species	
Acer rubrum	60		FAC	That Are OBL, FACW, or FAC: 4	A)
				Total Number of Dominant	
l <u>. </u>					B)
k				Percent of Dominant Species	
i					A/B
S		-		December 1 Index consider to	
, 				Prevalence Index worksheet:	
		= Total Cov		Total % Cover of: Multiply by:	
50% of total cover: <u>30.00</u>	20% of	total cover	12.00	OBL species 30 x 1 = 30	
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{40}{68}$ $x = \frac{80}{204}$	
Alnus serrulata	30		OBL	1 A0 species x 5 =	
Acer rubrum	3		FAC	FACU species 13 x 4 = 52	
L				UPL species $0 \times 5 = 0$	
·				Column Totals: 151 (A) 366	(B)
i				Prevalence Index = B/A = 2.42	
-				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	
<u> </u>				✓ 2 - Dominance Test is >50%	
	33	= Total Cov	er	<u>✓</u> 3 - Prevalence Index is ≤3.0 ¹	
50% of total cover: 16.50				4 - Morphological Adaptations ¹ (Provide suppo	rtinç
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
Dichanthelium scoparium	25	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)	
Juncus effusus	10	~	FACW		
Rubus allegheniensis	10		FACU	¹ Indicators of hydric soil and wetland hydrology mu	st
Solidago sp.	10			be present, unless disturbed or problematic.	
Vernonia noveboracensis	5		FACW	Definitions of Four Vegetation Strata:	
Dichanthelium clandestinum	5		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm	
Lonicera japonica	3		FACU	more in diameter at breast height (DBH), regardles	s of
·				height.	
3		-		Sapling/Shrub – Woody plants, excluding vines, le	
0				than 3 in. DBH and greater than or equal to 3.28 ft m) tall.	(1
0		-		m) tan.	
1	68			Herb – All herbaceous (non-woody) plants, regardl	ess
50% of total cover: 34.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
Noody Vine Stratum (Plot size: 30 ft r)	20% 01	total cover	13.00	Woody vine – All woody vines greater than 3.28 ft	in
				height.	
2					
3					
l. <u>.</u>				Hydrophytic	
j				Vegetation	
		= Total Cov		Present? Yes No No	
50% of total cover:	20% of	total cover			
Remarks: (Include photo numbers here or on a separate s	heet.)	· · · · · · · · · · · · · · · · · · ·			
ternanto. (moidae prioto frambero frere or off a ocparate e	/				

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	10YR 5/2	85	5YR 4/6	15	С	PL / M	Silty Clay Loam	
7 - 18	10YR 5/2	80	5YR 5/6	15	С	PL / M	Silty Clay Loam	
7 - 18			10YR 5/6	5	С	M	Silty Clay Loam	Secondary redox color.
								
								
¹ Type: C=Co		letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			D 1 - O f	(07)				-
Histosol			Dark Surface		(00) (AL DA 447		cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				148) C	coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			147, 148)	D	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma		-0)			(MLRA 136, 147)
	ick (A10) (LRR N)	- (0.4.4)	Redox Dark					ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (ATT)	Depleted Date				0	other (Explain in Remarks)
	ark Surface (A12)	. DD N	Redox Depre			(I DD N		
	Mucky Mineral (S1)	LRR N,	Iron-Mangan		ses (F12) (LKK N,		
	A 147, 148)		MLRA 13	•			3	
	Bleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	Naterial (F	-21) (MLR	A 127, 147	7) un	less disturbed or problematic.
Restrictive I	Layer (if observed)	:						
Type:								
	ches):						Hydric Soil	Present? Yes No
Remarks:								

SOIL

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-02-17
	State: Virginia Sampling Point: DP-370
Investigator(s):KZ Section	· · ·
• ,,	ef (concave, convex, none): Concave Slope (%): 1-3
	Long:79.618086WGS 84
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percen	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No 🗸	
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present?	within a Wetland? Yes No
Remarks:	
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (I	B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odd	or (C1) Drainage Patterns (B10)
Saturation (A3) Oxidized Rhizosphere	es on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced	I Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction	n in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Ren	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	
The flydrology was observed at this data point.	

Cover	Dominant Species?	Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant (A)
			That Are OBL, FACW, or FAC: 0 (A) Total Number of Dominant
			Total Number of Dominant
			Species Across All Strata: 2 (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 0.00 (A/B)
			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
			OBL species 0 x 1 = 0
2070 01 1			FACW species $0 \times 2 = 0$
;	~	UPL	FAC species 5 $\times 3 = 15$
			FACU species 31 x 4 = 124
			UPL species <u>5</u> x 5 = <u>25</u>
			Column Totals: <u>41</u> (A) <u>164</u> (B)
			Becombined to the P/A 4 00
			Prevalence Index = B/A = 4.00
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
=	Total Cov	er	3 - Prevalence Index is ≤3.0¹
20% of t	total cover:	1.00	4 - Morphological Adaptations ¹ (Provide supporting
			data in Remarks or on a separate sheet)
0		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
0			¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
			height.
			Sapling/Shrub – Woody plants, excluding vines, less
			than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Herb – All herbaceous (non-woody) plants, regardless
			of size, and woody plants less than 3.28 ft tall.
20% of t	total cover:	11.20	Woody vine – All woody vines greater than 3.28 ft in
			height.
		-	Hydrophytic
			Vegetation Present? Yes No _
			105 NO
et.)	lotal cover.		
(((= 20% of 5	20% of total cover: = Total Cover: 20% of total cover: 0	= Total Cover 20% of total cover: = Total Cover 20% of total cover: = Total Cover 20% of total cover:

Och 10VR A/3 90 0-6 10VR A/3 90 0-6 10VR A/3 90 0-6 10VR A/3 90 0-6 10VR S/4 10	Depth	Matrix	%	Redox Features Color (moist) % Type Loc²	Ta	Damarka
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Thiotal Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Thiotal Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: Gravel/Rock Depth (inches): 6+ Type: Gravel/Rock Depth (inches): 6+ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: Gravel/Rock Depth (inches): 6+ Hydric Soil Present? Yes No	(inches)	Color (moist)		Color (moist) % Type ¹ Loc ²		Remarks
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Type: Garavel/Rock Type: Garavel/Rock Type: Gravel/Rock						
Histosol (A1)	0 - 6	10YR 5/4	10		Sandy Clay Loam	
Histosol (A1)	-					
Histosol (A1)	-					
Histosol (A1)	_					
Histosol (A1)		-	<u> </u>			
Histosol (A1)					<u> </u>	
Histosol (A1)	-		<u> </u>			
Histosol (A1)	-					
Histosol (A1)	_		<u> </u>			
Histosol (A1)		-				
Histosol (A1)						
Histosol (A1)			epletion, RM=I	Reduced Matrix, MS=Masked Sand Grains.	² Location: P	PL=Pore Lining, M=Matrix.
Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Sandy Redox (S5) Stripped Matrix (S4) Stripped Matrix (S6) Stripped Matrix (S6) Stripped Matrix (S6) Depth (inches): 6+ Hydric Soil Present? Yes No	-					
Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148) (MLRA 147, 148) Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils (F19) Stratified Layers (A5) Depleted Matrix (F3) (MLRA 136, 147) 2 cm Muck (A10) (LRR N) Redox Dark Surface (F6) Very Shallow Dark Surface (TF12) Depleted Below Dark Surface (A11) Depleted Dark Surface (F7) Other (Explain in Remarks) Thick Dark Surface (A12) Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 147, 148) Sandy Mucky Mineral (S1) (LRR N, MLRA 136) Sandy Redox (S5) Umbric Surface (F13) (MLRA 136, 122) 3Indicators of hydrophytic vegetation an explain wetland hydrology must be present, unless disturbed or problematic. Betrictive Layer (if observed): Type: Gravel/Rock Depth (inches): 6+ Hydric Soil Present? Yes No Very Shallow Dark 247, 148) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, unless disturbed or problematic.						
Stratified Layers (A5)						
2 cm Muck (A10) (LRR N)					٢	
Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N,					\	
Thick Dark Surface (A12) Sandy Mucky Mineral (S1) (LRR N, MLRA 147, 148) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Estrictive Layer (if observed): Type: Gravel/Rock Depth (inches): 6+ Redox Depressions (F8) Iron-Manganese Masses (F12) (LRR N, MLRA 136) Umbric Surface (F13) (MLRA 136, 122) SIndicators of hydrophytic vegetation an wetland hydrology must be present, unless disturbed or problematic. Hydric Soil Present? Yes No			ace (A11)			
Sandy Mucky Mineral (S1) (LRR N,			200 (7111)		`	Surer (Explain in Fernance)
MLRA 147, 148) _ Sandy Gleyed Matrix (S4) _ Sandy Redox (S5) _ Stripped Matrix (S6) estrictive Layer (if observed): Type: Gravel/Rock Depth (inches): 6+ MLRA 136) _ Umbric Surface (F13) (MLRA 136, 122) _ Umbric Surface (F13) (MLRA 148) _ Wetland hydrology must be present, unless disturbed or problematic. ### Hydric Soil Present? Yes No			(LRR N,			
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present, Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. estrictive Layer (if observed): Type: Gravel/Rock Depth (inches): 6+			•			
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic. estrictive Layer (if observed): Type: Gravel/Rock Depth (inches): 6+ Hydric Soil Present? Yes No ✓	_ Sandy (Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)	³ Inc	dicators of hydrophytic vegetation and
estrictive Layer (if observed): Type: Gravel/Rock Depth (inches): 6+ Hydric Soil Present? Yes No						etland hydrology must be present,
Type: Gravel/Rock Depth (inches): 6+ Hydric Soil Present? Yes No				Red Parent Material (F21) (MLRA 127, 14	17) un	nless disturbed or problematic.
Depth (inches): 6+	estrictive	Layer (if observed	d):			
				<u> </u>		
emarks:	Depth (in	iches): 6+		<u> </u>	Hydric Soil	l Present? Yes No 🗸
	emarks:					

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-01-14
	State: Virginia Sampling Point: DP-371
Investigator(s): JF Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Floodplain Local reli	ef (concave, convex, none): None Slope (%): 0-2
	Long:79.586928 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 2	
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No V No V	Is the Sampled Area within a Wetland? Yes No
Remarks:	
Only one (i.e., hydrophytic vegetation) of the the	iree wetland parameters was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (I	
High Water Table (A2) Seturation (A2) Ovidined Phizophers	
Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction	
Sediment Deposits (B2) Recent non Reduction Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rem	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

Sampling	Point:	DP-371
Carribility	i Ollit.	

20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Acer rubrum	45		FAC	That Are OBL, FACW, or FAC: 4 (A)
2				Total Number of Deminent
3				Total Number of Dominant Species Across All Strata: 7 (B)
4				CPCOICS / IO/OSS / III Ottata.
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 57.14 (A/B)
6				Prevalence Index worksheet:
7				
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 22.50	20% of	total cover:	9.00	OBL species $0 x 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 \times 2 = 0$
1 Fagus grandifolia	10	✓	FACU	FAC species $\frac{71}{x^3} = \frac{213}{x^3}$
2. Acer rubrum	2		FAC	FACU species 22 x 4 = 88
3. Liquidambar styraciflua	2		FAC	UPL species $0 \times 5 = 0$
				00 004
4				Column Totals: <u>93</u> (A) <u>301</u> (B)
5				Prevalence Index = B/A = 3.23
6				Hydrophytic Vegetation Indicators:
7				
8				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
9	14	T-4-1 0		3 - Prevalence Index is ≤3.0 ¹
500/ of total acress 7.00		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 7.00	20% of	total cover:	2.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	_			Problematic Hydrophytic Vegetation ¹ (Explain)
1. Smilax rotundifolia	5		FAC	1 Toblematic Trydrophytic Vegetation (Explain)
2. Juniperus virginiana	2		FACU	4
3. Liquidambar styraciflua	2	~	FAC	¹Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Continue/Chrush Mondy plants avaluating vines loss
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				
	9	Tatal Cau		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 4.50		= Total Cov total cover:		of size, and woody plants less than 5.20 it tall.
·	20% 01	total cover.	1.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)	45			height.
1. Smilax rotundifolia	15		F <u>AC</u>	
2. Lonicera japonica	10		FACU_	
3				
4.				
5				Hydrophytic
J	25	= Total Cov		Vegetation Present? Yes ✓ No
50% of total cover: 12.50		total cover:		
		total cover.		
Remarks: (Include photo numbers here or on a separate s	heet.)			

SOIL Sampling Point: DP-371

Profile Desc	ription: (Describe	to the dep	th needed to docur	ment the	indicator	or confirn	n the absence	ce of indicators.)
Depth	Matrix		Redo	x Feature	s .			
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks Remarks
0 - 6	10YR 3/4	100					Clay Loan	1
6 - 16	10YR 4/3	90	7.5YR 4/6	10	С	М	Sandy Clay Loan	n
16 - 20	10YR 4/2	95	7.5YR 4/6	5	С	М	Sandy Clay Loan	n
_								
_								
	_							
	_			-				
		letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indi	cators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					2 cm Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Be				, 148)	Coast Prairie Redox (A16)
Black His			Thin Dark Su			47, 148)		(MLRA 147, 148)
	n Sulfide (A4) I Layers (A5)		Loamy Gleye Depleted Ma		(FZ)			Piedmont Floodplain Soils (F19) (MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		- 6)			Very Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Da					Other (Explain in Remarks)
	rk Surface (A12)	` ,	Redox Depre					,
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan		es (F12) (LRR N,		
	147, 148)		MLRA 13				2	
-	leyed Matrix (S4)		Umbric Surfa					ndicators of hydrophytic vegetation and
-	edox (S5)		Piedmont Florent New Parent Ne					vetland hydrology must be present, unless disturbed or problematic.
	Matrix (S6) ayer (if observed):		Red Falelit i	viateriai (F	ZI) (WILK	A 121, 14	<i>r)</i> (inless disturbed of problematic.
Type:	ayer (ii observea).							
	ches):		<u></u>				Hydric Sc	oil Present? Yes No 🗸
Remarks:							Tiyano oc	767 Tesent: Tes140
ixemaiks.								

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-02-17
	State: Virginia Sampling Point: DP-372
Investigator(s):KZ Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Berm Local reli	
Subregion (LRR or MLRA): P 136 Lat: 36.55694	
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percer	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No 🗸	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No 🗸	within a Wetland? Yes No
Remarks:	
None of the three wetland parameters (i.e. we	tland budralagy budranbutia vagatation or
None of the three wetland parameters (i.e., we	tiand hydrology, hydrophytic vegetation, or
hydric soils) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (I	
High Water Table (A2) Hydrogen Sulfide Odd	
Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reductio	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Ren Iron Deposits (B5)	narks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Initial Deposits (B3) Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	<u> </u>
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	, ,
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point	
No hydrology was observed at this data point.	

EGETATION (Four Strata) – Use scientific n	Sampling Point: DP-372				
7 0 ((D) () 20 ft r	Absolute		nt Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r) 1	% Cover		Status	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)	
2				Total Number of Dominant Species Across All Strata: 2 (B)	
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)	
3				Prevalence Index worksheet:	
		= Total Co	over	Total % Cover of: Multiply by:	
50% of total cover:	20% of	total cove	er:	OBL species $0 \times 1 = 0$	
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$	
I				FAC species $\frac{45}{2}$ $\times 3 = \frac{135}{2}$	
2				FACU species <u>58</u> x 4 = <u>232</u>	
3.				UPL species $0 \times 5 = 0$	
l				Column Totals: 103 (A) 367 (B)	
5				Prevalence Index = B/A = 3.56	
5					
7				Hydrophytic Vegetation Indicators:	
3				1 - Rapid Test for Hydrophytic Vegetation	
)				2 - Dominance Test is >50%	
		= Total Co	over	3 - Prevalence Index is ≤3.0 ¹	
50% of total cover:	20% of	total cove	er:	4 - Morphological Adaptations¹ (Provide supporting	
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
Microstegium vimineum	40		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
2. Lespedeza cuneata	20		FACU	The disease of booking and conditioned booking as and	
3. Schedonorus pratensis	20		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	
L Solidago altissima	15		FACU	Definitions of Four Vegetation Strata:	
_{5.} Dichanthelium clandestinum	5		FAC		
3. Rubus argutus	3		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of	
7				height.	
3				Canling/Chrub Woody plants evaluding vines less	
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1	
10				m) tall.	
l1				Herb – All herbaceous (non-woody) plants, regardless	
	103	= Total Co	over	of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 51.50 Noody Vine Stratum (Plot size: 30 ft r)	20% of	total cove	er: 20.60	Woody vine – All woody vines greater than 3.28 ft in height.	
1					
2					
3					
4				Hydrophytic	
5				Vegetation	
	:	= Total Co	over	Present? Yes No	
50% of total cover:	20% of	total cove	er:		
Remarks: (Include photo numbers here or on a separate s	hoot \			•	

Depth	Matrix	%	Redox Features	Loc ² Te	v.t. ro	Domort	.
inches)	Color (moist)		Color (moist) % Type ¹		exture	Remark	(S
0 - 6	10YR 4/3	100		Clay	Loam		
-							
-							
_							
	-	_					
	-						
-							
-							
/pe: C=C	oncentration, D=De	pletion, RM=R	Reduced Matrix, MS=Masked Sand Grain	ns. ² Loc	ation: PL=Por	e Lining, M=Matı	ix.
	Indicators:	,	,		Indicators f	or Problematic	Hydric Soils ³ :
Histosol	I (A1)		Dark Surface (S7)			uck (A10) (MLR	
	pipedon (A2)		Polyvalue Below Surface (S8) (ML	RA 147, 148)		Prairie Redox (A1	
	istic (A3)		Thin Dark Surface (S9) (MLRA 147			RA 147, 148)	,
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	•		nt Floodplain So	ils (F19)
-	d Layers (A5)		Depleted Matrix (F3)			RA 136, 147)	, ,
	uck (A10) (LRR N)		Redox Dark Surface (F6)			nallow Dark Surfa	ace (TF12)
Deplete	d Below Dark Surfa	ce (A11)	Depleted Dark Surface (F7)			Explain in Remai	
Thick D	ark Surface (A12)		Redox Depressions (F8)				
Sandy N	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LR	RR N,			
MLR	A 147, 148)		MLRA 136)				
_ Sandy 0	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136,	122)	³ Indicators	of hydrophytic	vegetation and
_ Sandy F	Redox (S5)		Piedmont Floodplain Soils (F19) (N	ILRA 148)	wetland I	nydrology must b	e present,
Stripped	d Matrix (S6)		Red Parent Material (F21) (MLRA	127, 147)	unless di	sturbed or proble	ematic.
estrictive	Layer (if observed):					
Type: Gi	ravel/Rock		<u></u>				
	ches): 6+			Hyd	dric Soil Prese	ent? Yes	No <u>′</u>
emarks:	, -						
orriarno.							

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-17						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC							
V7	tion, Township, Range:						
Landform (hillslope, terrace, etc.): Swale Local re							
	Long:79.617899 Datum: WGS 84						
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 perce	ent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year?							
	<u>.</u>						
	urbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problen	,						
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes _ Yes _ No							
Hydric Soil Present? Yes ✓ No	Is the Sampled Area within a Wetland? Yes ✓ No						
Wetland Hydrology Present? Yes V No	within a wetland:						
Remarks:							
All three continued in a continue (i.e., continued by	dualani, buduanki dia madaki na anal budui						
All three wetland parameters (i.e., wetland hy	drology, nydropnytic vegetation, and nydric						
soils) were satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide O	dor (C1) Drainage Patterns (B10)						
Saturation (A3)	res on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduce	ed Iron (C4) Dry-Season Water Table (C2)						
Sediment Deposits (B2) Recent Iron Reducti	on in Tilled Soils (C6) Crayfish Burrows (C8)						
Drift Deposits (B3) Thin Muck Surface	(C7) Saturation Visible on Aerial Imagery (C9)						
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)						
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:						
Remarks:							

That Are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species 3 (B) Percent of Dominant Species 3 (B) Prevalence Index worksheet:	Cons Chartery (Dist sine) 30 ft r	Absolute		t Indicator	Dominance Test worksheet:
Species Across All Strata: 3 (B) Percent of Dominant Species That I Are OBL, FACV, or FAC: 100.00 (Art Prevalence Index worksheet: Total % Cover of: Multiply by: Total % Cover of: Multip	ree Stratum (Plot size: 30 ft r)	% Cover	Species	? Status	
Total Cover					
Prevalence Index worksheet: Total Cover					
Total Cover 20% of total cover: 20% o					Prevalence Index worksheet:
S0% of total cover: 20% of total cover:			= Total Co	ver	
FACW species 30	50% of total cover:				OBL species 0 x 1 = 0
FAC species \$\frac{45}{5} \times \text{x} \ 3 = \frac{135}{5}\$ FACU species \$\frac{5}{5} \times \text{x} \ 4 = \frac{60}{0}\$ UPL species \$\frac{0}{5} \times \text{x} \ 4 = \frac{60}{0}\$ UPL species \$\frac{0}{5} \times \text{x} \ 4 = \frac{60}{0}\$ UPL species \$\frac{0}{5} \times \text{x} \ 4 = \frac{60}{0}\$ UPL species \$\frac{0}{5} \times \text{x} \ 4 = \frac{60}{0}\$ UPL species \$\frac{0}{5} \times \text{x} \ 4 = \frac{60}{0}\$ UPL species \$\frac{0}{5} \times \text{x} \ 4 = \frac{60}{0}\$ UPL species \$\frac{0}{5} \times \text{x} \ 5 = \frac{0}{0}\$ Column Totals: \$\frac{90}{0}\$ (A) \$\frac{255}{6}\$ (B) Prevalence Index = BIA = \$\frac{2.83}{0}\$ Hydrophytic Vegetation Indicators: \$\frac{1}{2} \times \text{n-FaCU}} \ 2 \times \text{provide supportion}\$ data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation' (Explain) \$\frac{1}{2} \times \text{provide supportion}\$ data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation' (Explain) Problematic Hydrophytic vegetation' (Explain) Problematic Hydrophytic vegetation for text in the special of the special					FACW species 30 x 2 = 60
FACU species 15					FAC species 45 x 3 = 135
UPL species 0 x 5 = 0 Column Totals: 90 (A) 255 (B) Prevalence Index = Bi/A = 2.83 Hydrophytic Vegetation Indicators:	`				
Column Totals: 90 (A) 255 (B) Prevalence Index = B/A = 2.83 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Total Cover 20% of total cover: 20% of total cover: 3 - FACW Microstegium vimineum 20			-		
Prevalence Index = B/A = 2.83 Prevalence Index = B/A = 2.83 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation V 2 - Dominance Test is >50% 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 5					
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 50% of total cover: 20% of total cover: 20% of total cover: 3 - Dichanthelium clandestinum 20					Prevalence Index = $R/\Delta = 2.83$
1. Rapid Test for Hydrophytic Vegetation 1. Rapid Test for Hydrophytic Vegetation	3				
2 - Dominance Test is >50%	7				
Total Cover					
### Total Cover					
Sow of total cover:			= Total Co	ver	
Bidens frondosa 25	50% of total cover:	20% of	total cove	r:	
Bidens frondosa 25	Herb Stratum (Plot size: 5 ft r)				· · · · · · · · · · · · · · · · · · ·
Solidago altissima 20	Bidens frondosa	25	~	FACW	Problematic Hydrophytic Vegetation (Explain)
Solidago altissima 10	Microstegium vimineum	20	~	FAC	
Solidago altissima Juncus effusus Lonicera japonica Verbesina alternifolia Solidago altissima Juncus effusus Solidago for Vegetation Strata: Tree – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft in height. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes V No Remarks: (Include photo numbers here or on a separate sheet.)	Dichanthelium clandestinum	20	~	FAC	
5 FACU Concidera japonica 5 FACU Verbesina alternifolia 5 FAC Verbesina alternifolia 5 FAC Sapling/Shrub – Woody plants, excluding vines, 3 in. (7.6 cm) on the indiameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r) Woody Vine Stratum (Plot size: 30 ft r) Emerican Sapling/Shrub – Woody plants, excluding vines, a in. (7.6 cm) on the indiameter at breast height (DBH), regardless of height. Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes Vegetation Present? Yes No	Solidago altissima	10		FACU	
Verbesina alternifolia 5	Juncus effusus			FACW	Definitions of Four Vegetation Strata:
Verbesina alternifolia 5 FAC Noverbesina alternifolia 5 FAC Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r) Noverbesina alternifolia Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall. Woody Vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes ✓ No Remarks: (Include photo numbers here or on a separate sheet.)	Lonicera japonica	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 10.	Verbesina alternifolia	5		FAC	
than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 10.	3				O - 1 Con 10 to 1 t
m) tall. Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r))				
90 = Total Cover 50% of total cover: 45.00 20% of total cover: 18.00 Woody Vine Stratum (Plot size: 30 ft r)	0				• • • • • • • • • • • • • • • • • • • •
50% of total cover: 45.00 20% of total cover: 18.00 Woody Vine Stratum (Plot size: 30 ft r) Woody Vine Stratum (Plot size: 30 ft r) Hydrophytic Vegetation Present? Yes No	1	00			Herb – All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plot size: 30 ft r)	500/ CL L 45 O				of size, and woody plants less than 3.28 ft fall.
Hydrophytic Vegetation Present? No Something the state of the		<u> </u>	iotal cove	1. 10.00	Woody vine – All woody vines greater than 3.28 ft in
2:					height.
B Hydrophytic Some = Total Cover 50% of total cover: 20% of total cover: Remarks: (Include photo numbers here or on a separate sheet.)					
Hydrophytic Vegetation Present? Yes No					
So = Total Cover = Total Cover 20% of total cover: 20% of total cover: Present? Yes No Remarks: (Include photo numbers here or on a separate sheet.)	3				
Solution Compare the content of th	l		-		Hydrophytic
50% of total cover: 20% of total cover: 8emarks: (Include photo numbers here or on a separate sheet.)	5				Vegetation
Remarks: (Include photo numbers here or on a separate sheet.)					Present? Yes V No No
	50% of total cover:	20% of	total cove	r:	
		sheet)			·
	Remarks: (Include photo numbers here or on a separate	oncou.)			

SOIL Sampling Point: DP-373

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	the absence	e of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	<u>Remarks</u>
0 - 18	10YR 5/2	80	10YR 5/6	20	С	PL / M	Sandy Clay Loan	1
_								
		· ——			-			
-								
	-							
		· ——			-			
					_			
-								
							-	
								_
		letion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indi	cators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			_	2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (l	VLRA 147,	148)	Coast Prairie Redox (A16)
Black Hi			Thin Dark Su			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)			Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark	,	,			Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da				_	Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	_RR N,	Iron-Mangan		ses (F12) ((LRR N,		
	\ 147, 148)		MLRA 13				3,	
	Sleyed Matrix (S4)		Umbric Surfa					ndicators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					vetland hydrology must be present,
	Matrix (S6) _ayer (if observed):		Red Parent I	viateriai (i	-21) (WLR	A 127, 147	r) (inless disturbed or problematic.
• • •								.,
Depth (in	ches):						Hydric Sc	oil Present? Yes V No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	county: Pittsylvania County Sampling Date: 2025-01-14							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-374								
Investigator(s):MCS Section	on, Township, Range:							
Landform (hillslope, terrace, etc.): Floodplain Local reli	lef (concave, convex, none): Convex Slope (%): 2							
	Long:79.501555 Datum: WGS 84							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent								
Are climatic / hydrologic conditions on the site typical for this time of year? $$ Y	es No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problems								
SUMMARY OF FINDINGS – Attach site map showing sam								
Hydrophytic Vegetation Present? Yes V No								
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No Yes No V	Is the Sampled Area							
Wetland Hydrology Present?	within a Wetland? Yes No							
Remarks:								
Only one (i.e., hydrophytic vegetation) of the the data point.	iree wetiand parameters was satisfied at this							
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Odd								
Saturation (A3) Oxidized Rhizosphere								
Water Marks (B1) Presence of Reduced								
Sediment Deposits (B2) Recent Iron Reductio								
Drift Deposits (B3)								
Iron Deposits (B5)	Geomorphic Position (D2)							
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13) FAC-Neutral Test (D5)								
Field Observations:								
Surface Water Present? Yes No Depth (inches):								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:								
No hydrology was observed at this data point.								

Samplin	a Point:	DP-374
Januari	ia i Oliit.	

20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Acer rubrum	80		FAC	That Are OBL, FACW, or FAC: 6 (A)
2. Carpinus caroliniana	20		FAC	Total Number of Dominant
3				Species Across All Strata: 6 (B)
4				(2)
		-		Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B
6				Prevalence Index worksheet:
7				
		= Total Cov		
50% of total cover: <u>50.00</u>	20% of	total cover:	20.00	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 \times 2 = 0$
1 Lindera benzoin	40	~	FAC	FAC species 210 x 3 = 630
2. Ligustrum sinense	2		FACU	FACU species 20 x 4 = 80
3. Juniperus virginiana	1		FACU	UPL species 0 x 5 = 0
· · · · · · · · · · · · · · · · · · ·				Column Totals: 230 (A) 710 (B)
4				Column Totals (A) (B)
5				Prevalence Index = B/A = 3.08
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				
9				✓ 2 - Dominance Test is >50%
ə	43	Tatal Cau		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 21.50		= Total Cov		4 - Morphological Adaptations ¹ (Provide supportin
	20% 01	total cover.		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	0.5		EAO	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Smilax rotundifolia	25		FAC	
2. Allium vineale	5		FACU	1
3. Lonicera japonica	2		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4				
5				Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				
	32	Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 16.00		total cover:		or size, and woody plante less than 6.20 it tall.
	20 /0 01	total cover.	0.10	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)	25		E40	height.
1. Smilax rotundifolia	25		FAC	
2. Toxicodendron radicans	20		FAC	
3. Lonicera japonica	10		FACU_	
4. Vitis sp.	10			The decorded in
5.				Hydrophytic Vegetation
	65	Total Cov		Present? Yes No
50% of total cover: <u>32.50</u>		total cover:		
		total cover.		
Remarks: (Include photo numbers here or on a separate si	neet.)			

Profile Desc	ription: (Describe	to the dep	th needed to docum	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	10YR 5/3	94	10YR 5/1	3	D	М	Silty Clay Loam	
0 - 7			10YR 5/8	3	С	<u>M</u>	Silty Clay Loam	Secondary redox color.
7 - 12	10YR 5/3	75	10YR 5/1	15	D	<u>M</u>	Silty Clay Loam	
7 - 12			10YR 5/8	10	С	<u>M</u>	Silty Clay Loam	Secondary redox color.
12 - 18	10YR 5/1	70	10YR 6/1	30	D	<u>M</u>	Silty Clay Loam	
		<u> </u>						
		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I								ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	. ,				cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfa	ce (S8) (I	MLRA 147	, 148) C	oast Prairie Redox (A16)
Black His	stic (A3)		Thin Dark Su	ırface (S9	(MLRA	147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix ((F2)		Р	iedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma		,			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S		-6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar	•				ther (Explain in Remarks)
	ark Surface (A12)	- ()	Redox Depre					(=:
	lucky Mineral (S1) (I	RR N	Iron-Mangan			(I RR N		
	147, 148)	-1111 14,	MLRA 13		C3 (1 12) ((LIXIX IV,		
			Umbric Surfa	•	MIDA 1	26 122\	3Ind	icators of hydrophytic vegetation and
	Sleyed Matrix (S4)							
	ledox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	·21) (MLR	RA 127, 14	7) un	less disturbed or problematic.
	_ayer (if observed):							
Type:	- L V.						Uhadala Oali	December 19
	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2025-01-14						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-375							
Investigator(s):MCS Section	n, Township, Range:						
Landform (hillslope, terrace, etc.): Floodplain Local relie	ef (concave, convex, none): Convex Slope (%): 2						
Subregion (LRR or MLRA): P 136 Lat: 36.673516	Long: -79.501529 Datum: WGS 84						
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent s							
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	ed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrologynaturally problemat	tic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No							
Liveria Cail Property	Is the Sampled Area within a Wetland? Yes No						
Wetland Hydrology Present? Yes No ✔	within a Wetland? Yes No						
Remarks:							
Only and (i.e. hydronhytic vagatation) of the th	eros wetland parameters was satisfied at this						
Only one (i.e., hydrophytic vegetation) of the th	ree Wetianu parameters was satistieu at tilis						
data point.							
HADDOLOGA							
HYDROLOGY Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
	·						
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (B							
High Water Table (A2) Hydrogen Sulfide Odo Saturation (A3) Oxidized Rhizosphere:							
Drift Deposits (B3)							
Algal Mat or Crust (B4) Other (Explain in Rem Iron Deposits (B5)	arks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)						
Inon Deposits (65) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)						
Aquatic Fauna (B13) FAC-Neutral Test (D5)							
Field Observations:							
Surface Water Present? Yes No Depth (inches):	<u> </u>						
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):							
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Document Toda Data (Greating gauge, membering went, dental photoe, prov	nede interestioner, in a randore.						
Remarks:							
No hydrology was observed at this data point.							
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Sampling	Point:	DP-375
Samulinu	r Oll It.	

ber of Dominant Species Are OBL, FACW, or FAC: 3 (A) Number of Dominant ies Across All Strata: 5 (B) ent of Dominant Species Are OBL, FACW, or FAC: 60.00 (A/B) alence Index worksheet: Total % Cover of: Multiply by: species 0 x 1 = 0 W species 140 x 3 = 420 J species 35 x 4 = 140 species 0 x 5 = 0 mn Totals: 175 (A) 560 (B) Prevalence Index = B/A = 3.20 Tophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) cators of hydric soil and wetland hydrology must esent, unless disturbed or problematic. nitions of Four Vegetation Strata: — Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of at. ing/Shrub — Woody plants, excluding vines, less 3 in. DBH and greater than or equal to 3.28 ft (1 ll. — All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine — All woody vines greater than 3.28 ft in int.
Number of Dominant ies Across All Strata: ent of Dominant Species Are OBL, FACW, or FAC: fotal % Cover of: species Outlitiply by: Multiply by: Multiply by: Multiply by: Multiply by: Species Outlitiply by: Species Outlitiply by: Species Outlitiply by: Multiply by: Species Outlitiply by: Multiply by: Species Outliply All Policy All Provide supporting Outling Species Outling Species Outling Species Outling Very detail All Provide supporting Outling Species Outling Speci
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ent of Dominant Species Are OBL, FACW, or FAC: All Matter All Matter
Are OBL, FACW, or FAC: 60.00 (A/B) alence Index worksheet: Otal % Cover of:
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W species 0 x 2 = 0 species 35 x 4 = 140 J species 0 x 5 = 0 mn Totals: 175 (A) 560 (B) Prevalence Index = B/A = 3.20 ophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) cators of hydric soil and wetland hydrology must resent, unless disturbed or problematic. Initions of Four Vegetation Strata: — Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of a in. DBH and greater than or equal to 3.28 ft (1 in. All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine — All woody vines greater than 3.28 ft in
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species 0 x 5 = 0 / 560 (B) Prevalence Index = B/A = 3.20 ophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) cators of hydric soil and wetland hydrology must resent, unless disturbed or problematic. Initions of Four Vegetation Strata: — Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of a in. DBH and greater than or equal to 3.28 ft (1 in.) In - All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine - All woody vines greater than 3.28 ft in
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The properties of the propert
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2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) cators of hydric soil and wetland hydrology must resent, unless disturbed or problematic. nitions of Four Vegetation Strata: — Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of a in. DBH and greater than or equal to 3.28 ft (1 ll.) i. All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine — All woody vines greater than 3.28 ft in
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data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation ¹ (Explain) cators of hydric soil and wetland hydrology must essent, unless disturbed or problematic. Initions of Four Vegetation Strata: — Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of at. ing/Shrub — Woody plants, excluding vines, less 3 in. DBH and greater than or equal to 3.28 ft (1 iii. — All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine — All woody vines greater than 3.28 ft in
Problematic Hydrophytic Vegetation ¹ (Explain) cators of hydric soil and wetland hydrology must resent, unless disturbed or problematic. Initions of Four Vegetation Strata: - Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of a in. (DBH), regardless of a in. (DBH). Initions of Four Vegetation Strata: - Woody plants, excluding vines, less of a in. (DBH), regardless of a in. (DBH). Initions of Four Vegetation Strata: - Woody plants, excluding vines, less of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (DBH). Initions of Four Vegetation Strata: - Woody plants, excluding vines, less of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or a in diameter at breast height (DBH), regardless of a in. (T.6 cm) or
cators of hydric soil and wetland hydrology must resent, unless disturbed or problematic. Initions of Four Vegetation Strata: - Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of ht. Ing/Shrub - Woody plants, excluding vines, less 3 in. DBH and greater than or equal to 3.28 ft (1 iii.) - All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine - All woody vines greater than 3.28 ft in
resent, unless disturbed or problematic. Initions of Four Vegetation Strata: - Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of at. Ining/Shrub - Woody plants, excluding vines, less 3 in. DBH and greater than or equal to 3.28 ft (1 iii.) - All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine - All woody vines greater than 3.28 ft in
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- Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of it. ing/Shrub - Woody plants, excluding vines, less 3 in. DBH and greater than or equal to 3.28 ft (1 iii. - All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine - All woody vines greater than 3.28 ft in
- Woody plants, excluding vines, 3 in. (7.6 cm) or in diameter at breast height (DBH), regardless of it. ing/Shrub - Woody plants, excluding vines, less 3 in. DBH and greater than or equal to 3.28 ft (1 iii. - All herbaceous (non-woody) plants, regardless te, and woody plants less than 3.28 ft tall. dy vine - All woody vines greater than 3.28 ft in
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dy vine – All woody vines greater than 3.28 ft in
dy vine – All woody vines greater than 3.28 ft in
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etation

SOIL								Samplin	g Point: DP-375
Profile Desc	cription: (Describ	oe to the de	pth needed to docu	ment the	indicato	r or confir	m the absence	of indicators.)	
Depth	Matrix			ox Featur		12	T	D	
(inches) 0 - 7	Color (moist) 10YR 5/3	<u>%</u> 94	Color (moist) 10YR 5/1	_ <u>%</u>	<u>Type</u> D	Loc ² M	Texture Sandy Clay Loam	Rema	arks
	10113/3			3			-		
0 - 7			10YR 5/8	3	_ <u>C</u>	<u>M</u>	Silty Clay Loam	Secondary red	ox color.
7 - 18	10YR 5/3	75	10YR 5/1	20	<u>D</u>	<u>M</u>	Silty Clay Loam		
7 - 18	-		10YR 5/8	5	С	М	Silty Clay Loam	Secondary red	ox color.
-									
-									
	_						_		
	-			-			-	-	
							<u> </u>		
				· 			<u> </u>		
							<u> </u>		
		epletion, RM	1=Reduced Matrix, M	IS=Maske	ed Sand (Grains.		L=Pore Lining, M=M	
Hydric Soil								ators for Problemat	-
Histosol			Dark Surfac		(00)			cm Muck (A10) (ML	
Histic Ep Black Hi	pipedon (A2)		Polyvalue B Thin Dark S				7, 148) C	coast Prairie Redox ((MLRA 147, 148)	A16)
	en Sulfide (A4)		Loamy Gley			(147, 140)	P	riedmont Floodplain	Soils (F19)
	d Layers (A5)		Depleted Ma		()			(MLRA 136, 147)	30 (1. 1.0)
	uck (A10) (LRR N))	Redox Dark		(F6)		v	ery Shallow Dark Su	ırface (TF12)
	d Below Dark Surf		Depleted Da				c	other (Explain in Rem	narks)
	ark Surface (A12)		Redox Depr			// DD N			
	Mucky Mineral (S1) A 147, 148)) (LKK N,	Iron-Mangai		ses (F12	(LKK N,			
	Gleyed Matrix (S4))	Umbric Surf		(MLRA	136, 122)	³ Ind	icators of hydrophyti	c vegetation and
Sandy F			Piedmont FI					tland hydrology mus	-
	Matrix (S6)		Red Parent	Material (F21) (ML	.RA 127, 14	17) un	less disturbed or pro	blematic.
Restrictive	Layer (if observe	d):							
Type:									
	ches):						Hydric Soil	Present? Yes	No <u>′</u>
Remarks:									

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2025-01-14							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-376								
Investigator(s): JF Sectio	n, Township, Range:							
Landform (hillslope, terrace, etc.): Floodplain Local relie	ef (concave, convex, none): None Slope (%): 0-2							
	Long:79.563137 Datum: WGS 84							
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 2								
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problema								
SUMMARY OF FINDINGS – Attach site map showing sam								
Hydrophytic Vegetation Present? Yes Yes No No No Yes	Is the Sampled Area within a Wetland? Yes No							
Wetland Hydrology Present? Yes No								
Only one (i.e., hydrophytic vegetation) of the th								
HYDROLOGY	Occasional and bad bad and to be because of the constraint							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic Plants (E								
High Water Table (A2) Hydrogen Sulfide Odo Saturation (A3) Oxidized Rhizosphere								
Water Marks (B1) — Presence of Reduced								
Sediment Deposits (B2) Recent Iron Reduction								
Drift Deposits (B3)								
Iron Deposits (B5)	Geomorphic Position (D2)							
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13) FAC-Neutral Test (D5)								
Field Observations:								
Surface Water Present? Yes No Depth (inches):								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No							
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:								
No hydrology was observed at this data point.								

Sampling	Point:	DP-376
Samulinu	r Oll It.	

00.6	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)			Status	Number of Dominant Species
1. Acer rubrum	40		FAC	That Are OBL, FACW, or FAC: 3 (A)
2. Liriodendron tulipifera	20		FACU	Total Number of Dominant
3. Carpinus caroliniana	10		FAC	Species Across All Strata: 4 (B)
4				Descent of Descinant Conscion
5	-			Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00 (A/B)
6				
7.				Prevalence Index worksheet:
	70	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 35.00	20% of	total cover:	14.00	OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r		•		FACW species <u>0</u> x 2 = <u>0</u>
1				FAC species <u>60</u> x 3 = <u>180</u>
2				FACU species 20 x 4 = 80
				UPL species <u>0</u> x 5 = <u>0</u>
3				Column Totals: 80 (A) 260 (B)
4				(-)
5				Prevalence Index = B/A = 3.25
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	_			Problematic Hydrophytic Vegetation¹ (Explain)
1. Athyrium filix-femina ssp. asplenioides	5		FAC	1 Toblematic Trydrophlytic Vegetation (Explain)
2. Smilax rotundifolia	3		FAC	Indicators of hydric coil and watland hydrology must
3. Dichanthelium clandestinum	1		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Euonymus americanus	1		FAC	Definitions of Four Vegetation Strata:
5. Carex sp.	1			Definitions of Four Vegetation Strata.
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				noight.
9.	-			Sapling/Shrub – Woody plants, excluding vines, less
•				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				
11	11	T-4-1 0		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 5.50		= Total Cover:		of size, and woody plants less than 3.20 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No sapling/shrub or woody vine strat	a were	oheary	ed at t	his data noint
ino sapining/siliub of woody ville strat	a were	ODSEI A	c u at t	της αστα μοιπτ.

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirn	n the absence of	indicators.)	
Depth	Matrix		Redo	x Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarl	ks
0 - 3	10YR 3/3	100					Clay Loam		
3 - 8	10YR 5/3	100					Clay Loam		
8 - 18	10YR 5/3	80	7.5YR 4/6	20	С	М	Clay Loam		
18 - 20	10YR 5/2	90	7.5YR 5/6	10	С	М	Clay Loam		
-									
				-					
-					·				
									-
									-
	-								
¹ Type: C=Co	oncentration, D=Dep	letion RM	=Reduced Matrix, M	S=Maske	d Sand Gi	rains.	² Location: PL=	Pore Lining, M=Mat	rix.
Hydric Soil I					<u> </u>			ors for Problematic	
Histosol			Dark Surface	(S7)				m Muck (A10) (MLR	-
	pipedon (A2)		Polyvalue Be		ace (S8) (I	MLRA 147.		ast Prairie Redox (A	
Black His			Thin Dark Su					MLRA 147, 148)	,
	n Sulfide (A4)		Loamy Gleye			, -,	•	dmont Floodplain Sc	oils (F19)
	Layers (A5)		Depleted Ma		(· -)			MLRA 136, 147)	()
	ck (A10) (LRR N)		Redox Dark		F6)			y Shallow Dark Surf	ace (TF12)
	Below Dark Surfac	e (A11)	Depleted Dai	•				er (Explain in Rema	
	ark Surface (A12)	C (7111)	Redox Depre				0	ci (Explain in recina	ino)
		DD N				/I DD N			
-	lucky Mineral (S1) (L	-KK N,	Iron-Mangan		665 (F 12)	(LKK N,			
	147, 148)		MLRA 13		/MI D A 4	00 400\	31		
	leyed Matrix (S4)		Umbric Surfa					ators of hydrophytic	-
-	edox (S5)		Piedmont Flo					and hydrology must b	•
	Matrix (S6)		Red Parent N	Material (I	-21) (ML F	RA 127, 14	7) unles	ss disturbed or probl	ematic.
	_ayer (if observed):								
Type:	ahaa):		<u></u>				Hydric Soil Pr	recent? Vec	No <u>′</u>
	ches):						Hydric Soil Pi	resent? Yes	NO
Remarks:									

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2025-02-17
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-377
	ion, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.62646	
Soil Map Unit Name: 23B - Clover fine sandy loam, 2 to 7 perce	
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No V No V Remarks:	Is the Sampled Area within a Wetland? Yes No
Only one (i.e., hydrophytic vegetation) of the t data point.	hree wetland parameters was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oc	- · · · · · · · · · · · · · · · · · · ·
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re Iron Deposits (B5)	marks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	
Daniela	
No hydrology was observed at this data point;	only one secondary indicator was present.

ree Stratum (Plot size: 30 ft r)			Indicator	Sampling Point: DP-377 Dominance Test worksheet:			
		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 5	(A)		
				Total Number of Deminent			
4				Total Number of Dominant Species Across All Strata: 7	(B)		
				Develop of Development Conscion			
				Percent of Dominant Species That Are OBL, FACW, or FAC: 71.42	(A/E		
<u>. </u>				Prevalence Index worksheet:			
		= Total Cov		Total % Cover of: Multiply by	<u>y:</u>		
50% of total cover:				OBL species <u>0</u> x 1 = <u>0</u>			
Sapling/Shrub Stratum (Plot size: 15 ft r		1010.	·	FACW species 30 x 2 = 60			
Liquidambar styraciflua	20	~	FAC	FAC species 45 x 3 = 135			
		-		FACU species 30 x 4 = 120			
				UPL species <u>0</u> x 5 = <u>0</u>			
				Column Totals: 105 (A) 315	(B		
				Prevalence Index = B/A = 3.00			
				Hydrophytic Vegetation Indicators:			
				1 - Rapid Test for Hydrophytic Vegetation	n		
				✓ 2 - Dominance Test is >50%			
				3 - Prevalence Index is ≤3.0 ¹			
		= Total Cov		4 - Morphological Adaptations ¹ (Provide	sunnortin		
50% of total cover: <u>10.0</u>	0 20% of	total cover	4.00	data in Remarks or on a separate she			
l <u>erb Stratum</u> (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Ex	•		
Dichanthelium clandestinum	_ 20		FAC	i roblematic riyuropriyiic vegetation (E.	τριαιτή		
Schedonorus pratensis	15		FACU	¹ Indicators of hydric soil and wetland hydrolo	av muet		
Juncus effusus	10		FACW	be present, unless disturbed or problematic.			
_ Lespedeza cuneata	10		FACU	Definitions of Four Vegetation Strata:			
Bidens frondosa	10		FACW	To a Manda de de colodia a cina a Oia A	(7.0)		
Dichanthelium scoparium	10		FACW	Tree – Woody plants, excluding vines, 3 in. (more in diameter at breast height (DBH), reg			
Lonicera japonica	5	-	FACU	height.	, a. a. a. a		
Setaria pumila	5		FAC	Sapling/Shrub – Woody plants, excluding vi	ines less		
				than 3 in. DBH and greater than or equal to 3			
0				m) tall.			
1				Herb – All herbaceous (non-woody) plants, r			
40.0		= Total Cov		of size, and woody plants less than 3.28 ft ta	III.		
50% of total cover: <u>42.5</u>	20% of	total cover	17.00	Woody vine – All woody vines greater than	3.28 ft in		
Voody Vine Stratum (Plot size: 30 ft r)				height.			
•							
i							
· <u> </u>				Hydrophytic			
<u>.</u>				Vegetation			
		= Total Cov		Present? Yes V No	_		
50% of total cover:		total cover	·				
Remarks: (Include photo numbers here or on a separate	sheet.)						

SOIL Sampling Point: DP-377

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	n the absence	e of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 18	10YR 5/4	95	7.5YR 5/8	5	С	M	Clay Loam	
				-	-			
								<u> </u>
_								
					-	· ——		
	-	- ——						
_								
					-			<u> </u>
-								
1 _{T. max} C=C		leties DM	—Dadwaad Matrix M6				21	DI - Dana Lining M-Matrix
		letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	Location: I	PL=Pore Lining, M=Matrix.
Hydric Soil								cators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				, 148) <u> </u>	Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		'	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma	. ,				(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark					Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dai				'	Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	LRR N,	Iron-Mangan		ses (F12) (LRR N,		
	A 147, 148)		MLRA 13				3.	
	Sleyed Matrix (S4)		Umbric Surfa					dicators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					retland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F21) (MLR	A 127, 14	7) ui	nless disturbed or problematic.
Restrictive I	_ayer (if observed):							
Type:								
Depth (in	ches):						Hydric So	il Present? Yes No 🖍
Remarks:							1	

Project/Site: Southeast Su	pply Enhancemen	t Project City/C	_{ounty:} Pittsylvania C	ounty g	Sampling Date: 2025-01-14			
Applicant/Owner: Transcont	inental Gas Pipe Lin	e Company, LLC	-	State: Virginia	Sampling Point: DP-378			
Investigator(s).JF			n, Township, Range:					
Landform (hillslope, terrace, etc								
Subregion (LRR or MLRA): P					Datum: WGS 84			
Soil Map Unit Name: 21D - P								
Are climatic / hydrologic conditi	ions on the site typical fo	or this time of year? Ye	es No	(If no, explain in Rei	marks.)			
Are Vegetation, Soil	, or Hydrology	significantly disturt	ped? Are "Normal	Circumstances" pre	esent? Yes 🖊 No			
Are Vegetation, Soil				explain any answers				
					important features, etc.			
Hydrophytic Vegetation Prese Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes	No No	Is the Sampled Area within a Wetland?	Yes	No <u>~</u>			
Only two (i.e., hydroparameters were s			and hydrology)	of the three	e wetland			
HYDROLOGY								
Wetland Hydrology Indicato					ors (minimum of two required)			
Primary Indicators (minimum	-			Surface Soil C	, ,			
Surface Water (A1)		True Aquatic Plants (I		Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2) Saturation (A3)		Hydrogen Sulfide Odd	es on Living Roots (C3)	 Drainage Patterns (B10) Moss Trim Lines (B16)				
Water Marks (B1)		Presence of Reduced	=		ater Table (C2)			
Sediment Deposits (B2)		Recent Iron Reduction		Crayfish Burro				
Drift Deposits (B3)		Thin Muck Surface (C			ble on Aerial Imagery (C9)			
Algal Mat or Crust (B4)		Other (Explain in Rem			essed Plants (D1)			
Iron Deposits (B5)				Geomorphic P	osition (D2)			
Inundation Visible on Aer	ial Imagery (B7)			Shallow Aquitard (D3)				
Water-Stained Leaves (B	39)			Microtopographic Relief (D4)				
Aquatic Fauna (B13)				FAC-Neutral T	est (D5)			
Field Observations:								
Surface Water Present?		Depth (inches):						
Water Table Present?		Depth (inches):						
Saturation Present? (includes capillary fringe)	Yes No	Depth (inches):	Wetland F	lydrology Present	? Yes V No			
Describe Recorded Data (stre	am gauge, monitoring v	well, aerial photos, pre	vious inspections), if ava	ilable:				
Demonstra								
Remarks:								

EGETATION (Four Strata) – Use scientific i				
ree Stratum (Plot size: 30 ft r)	Absolute			Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
				Total Number of Dominant
				Species Across All Strata: 1 (B)
·				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 100.00 (A/B
i				Prevalence Index worksheet:
-				Total % Cover of: Multiply by:
		= Total Cov		OBL species 0 x 1 = 0
50% of total cover:	20% of	total cover:		FACW species 12
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 62 x 3 = 186
				FACU species 2 x 4 = 8
				UPL species 0 $x = 0$
š. <u> </u>				
k <u> </u>				Column Totals: <u>76</u> (A) <u>218</u> (B)
j				Prevalence Index = B/A = 2.86
i				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
l				✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3 0 ¹
		= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:		= Total Cov		4 - Morphological Adaptations ¹ (Provide supportin
50% of total cover:		= Total Cov		4 - Morphological Adaptations ¹ (Provide supportin data in Remarks or on a separate sheet)
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum		= Total Cov	FAC	4 - Morphological Adaptations ¹ (Provide supportin
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum	20% of 60 10	= Total Cov total cover:		4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus	20% of 60 10 2	= Total Cov total cover:	FAC	4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus	20% of 60 10 2 2 2	= Total Cov total cover:	FAC FACW	 4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis	20% of 60 10 2	= Total Cov total cover:	FAC FACW FACW	4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana	20% of 60 10 2 2 2 2 2	= Total Cov total cover:	FAC FACW FACU	4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana	20% of 60 10 2 2 2 2 2	= Total Cov	FAC FACW FACU	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana	20% of 60 10 2 2 2 2	= Total Cov	FAC FACW FACU	4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height.
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana	20% of 60 10 2 2 2 2	= Total Cov	FAC FACW FACU	4 - Morphological Adaptations¹ (Provide supportindata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana	20% of 60 10 2 2 2 2 2	= Total Cov	FAC FACW FACU	4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height.
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana	20% of 60 10 2 2 2 2	= Total Cov	FAC FACW FACU	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana	20% of 60	= Total Cov	FACW FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supportindata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana 5	20% of 60 10 2 2 2 2	= Total Covers	FAC FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supportindata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana	20% of 60 10 2 2 2 2	= Total Covers	FAC FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supportindata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover:	20% of 60 10 2 2 2 2 2 2 2 2 2 76 0 20% of	= Total Cov	FAC FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supportindata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover:	20% of 60 10 2 2 2 2 76 20% of	= Total Covers	FACW FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supportindata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: Herb Stratum (Plot size: 5 ft r) Microstegium vimineum Juncus effusus Cyperus strigosus Verbesina occidentalis Diospyros virginiana 0 1 50% of total cover: 38.00 Woody Vine Stratum (Plot size: 30 ft r)	20% of 60 10 2 2 2 2 76 0 20% of	= Total Covers	FACW FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supportindata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover:	20% of 60 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	= Total Cov	FACW FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supportindata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover:	20% of 60 10 2 2 2 2 2 2 2 76 76 20% of	= Total Cov	FACW FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
50% of total cover:	20% of 60 10 2 2 2 2 76 0 20% of	= Total Covers	FAC FACW FACU FAC	4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
50% of total cover:	20% of 60 10 2 2 2 2 76 00 20% of	= Total Covers	FAC FACW FACU FAC er 15.20	4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
50% of total cover:	20% of 60 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	= Total Covers	FAC FACW FACU FAC er 15.20	4 - Morphological Adaptations¹ (Provide supportin data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation

Depth (inches)	73 85 3 80	Color (moist) 7.5YR 5/6 7.5YR 5/6	x Features	Loc ² M PL / M	Clay Loam Clay	Remarks
12 - 18 2.5Y 5/3	3 80					
		7.5YR 5/6	20 C	PL / M	Clay	
ype: C=Concentration						
ydric Soil Indicators:	n, D=Depletion, RI					
dric Soil Indicators:	n, D=Depletion, RI					
dric Soil Indicators:	n, D=Depletion, RI					
dric Soil Indicators:	n, D=Depletion, RI					
dric Soil Indicators:	n, D=Depletion, RI					
dric Soil Indicators:	n, D=Depletion, RI					
dric Soil Indicators:	n, D=Depletion, RI					
dric Soil Indicators:	n, D=Depletion, RI					
dric Soil Indicators:	n, D=Depletion, RI					
		M=Reduced Matrix, MS	S=Masked Sand	Grains.	² Location: PL=Pore	
Histosol (A1)						or Problematic Hydric Soils
		Dark Surface				ck (A10) (MLRA 147)
Histic Epipedon (A2	2)		low Surface (S8)			airie Redox (A16)
Black Histic (A3)			ırface (S9) (MLR	A 147, 148)		A 147, 148)
_ Hydrogen Sulfide (A		Loamy Gleye				t Floodplain Soils (F19)
Stratified Layers (A	5)	Depleted Ma	trix (F3)		(MLRA	A 136, 147)
2 cm Muck (A10) (L	.RR N)	Redox Dark	Surface (F6)			allow Dark Surface (TF12)
Depleted Below Da		Depleted Dar	rk Surface (F7)		Other (Ex	xplain in Remarks)
Thick Dark Surface		Redox Depre				
Sandy Mucky Miner	ral (S1) (LRR N,	-	ese Masses (F12	2) (LRR N,		
MLRA 147, 148)		MLRA 13	•			
Sandy Gleyed Matri	ix (S4)		ice (F13) (MLRA			of hydrophytic vegetation and
Sandy Redox (S5) Stripped Matrix (S6	١		oodplain Soils (F <i>°</i> Material (F21) (M			ydrology must be present, turbed or problematic.
estrictive Layer (if ob			riatoriai (i 2 i) (iii			tarboa or problematic.
	,.					
Depth (inches):					Hydric Soil Presen	nt? Yes No 🗸
emarks:					Tryullo Coll 1 10301	105105

Project/Site: Southeast Supply Enhancement Project City	y/County: Pittsylvania County Sampling Date: 2025-01-14
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	
MOO	ction, Township, Range:
Landform (hillslope, terrace, etc.): Floodplain Local	
	Long:79.473495 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 t	o 25 percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
	turbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally proble	
	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes You No No No No No No No No No	Is the Sampled Area
Hydric Soil Present? Yes ✓ No	within a Wetland? Yes _ V No
Wetland Hydrology Present? Yes ✓ No Remarks:	
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric
·	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plant	
High Water Table (A2) Hydrogen Sulfide (
	neres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduc	
	ction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface Algal Mat or Crust (B4) Other (Explain in F	
Again Mat of Crust (B4) Other (Explain III 1)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)	% Cover	Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
			·	(1)
				Total Number of Dominant Species Across All Strata: 2 (B)
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B
				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)		10101 0070		FACW species <u>35</u> x 2 = <u>70</u>
				FAC species 50 x 3 = 150
				FACU species 0 x 4 = 0
			· ——	UPL species 0 $x = 0$
·			· ——	05
t <u> </u>			·	Column Totals: <u>85</u> (A) <u>220</u> (B)
i				Prevalence Index = B/A = 2.58
i				Hydrophytic Vegetation Indicators:
·				1 - Rapid Test for Hydrophytic Vegetation
l <u>. </u>				
				✓ 2 - Dominance Test is >50%
		= Total Cov	ver	✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
Microstegium vimineum	40	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Rudbeckia laciniata	35		FACW	
3 Dichanthelium clandestinum	10	-	FAC	¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
ł. <u> </u>			. ——	Definitions of Four Vegetation Strata:
5			. ——	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
ì			· ——	more in diameter at breast height (DBH), regardless of
'			<u> </u>	height.
3				Sapling/Shrub – Woody plants, excluding vines, less
)				than 3 in. DBH and greater than or equal to 3.28 ft (1
0				m) tall.
1	·			Herb – All herbaceous (non-woody) plants, regardless
	85	= Total Cov	er er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 42.50	20% of	total cover	17.00	
Voody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
				noight.
3				
			· ——	
<u> </u>				Hydrophytic
5			· 	Vegetation Present? Yes ✓ No
		= Total Cov		resent: resNo
50% of total cover:		total cover		
Remarks: (Include photo numbers here or on a separate s	sheet.)			
Remarks. (include prioto numbers here or on a separate s	•			
		woro a	heory	ed at this data point
No tree, sapling/shrub, or woody vin		were o	observ	ed at this data point.

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			k Featur				
(inches) 0 - 9	Color (moist) 5YR 4/3	% 80	Color (moist) 5YR 5/2	<u>%</u> 15	<u>Type¹</u> D	Loc ²	Texture Silty Clay Loam	Remarks
	31K 4/3	80		-			Silty Clay Loain	
0 - 9			5Y 5/6	5	<u>C</u>	M	Silty Clay Loam	Secondary redox color.
		<u> </u>						
-								
						-		
		·		-	_			
		·			_			
1			Dadward Matrix MC				21 4: D	Dona Linia a M. Matria
Hydric Soil		letion, RM	=Reduced Matrix, MS	=Maske	ed Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			Dark Surface	(87)				cm Muck (A10) (MLRA 147)
Histosol	oipedon (A2)		Dark Surface Polyvalue Bel		(SS) (N	/II D A 1/17		Coast Prairie Redox (A16)
	stic (A3)		Polyvalde Bel				, 146) C	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			147, 140)	D	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat		(12)			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark S		(E6)			/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	o (A11)	Depleted Dar					Other (Explain in Remarks)
	ark Surface (A12)	C (ATT)	Redox Depre					otilei (Explain in Nemarks)
	Mucky Mineral (S1) (I	DD N	Iron-Mangane			IDDN		
	147, 148)	LKK N,	MLRA 136		SES (F 12) (LKK N,		
			Umbric Surfa	-	/MIDA 13	e 122\	3Ind	licators of hydrophytic vegetation and
	Gleyed Matrix (S4)							
-	Redox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		✓ Red Parent M	iateriai ((F21) (WLR	A 127, 14	/) un	less disturbed or problematic.
	Layer (if observed):							
Type: Gr	ches): 9+						Hydric Soil	Present? Yes V No No
	CHES)						Hydric 30ii	rieseiit: iesiio
Remarks:								

SOIL

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania Sampling Date: 2025-02-25						
	State: Virginia Sampling Point: DP-380						
Investigator(s):KZ, MS Section, Township, Range:							
Landform (hillslope, terrace, etc.): Hillslope Local relie							
Subregion (LRR or MLRA): P 136 Lat: 36.55767816							
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent slopes NWI classification: N/A							
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problemate	tic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area						
Hydric Soil Present?	within a Wetland? Yes No						
Wetland Hydrology Present? Yes No 🗸							
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (E	Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide Odo							
Saturation (A3) Oxidized Rhizosphere							
Water Marks (B1) Presence of Reduced							
Sediment Deposits (B2) Recent Iron Reduction							
Drift Deposits (B3) Thin Muck Surface (C							
Algal Mat or Crust (B4) Other (Explain in Rem							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)						
Field Observations:	(AC-Neutral Test (D3)						
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):							
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	rious inspections), if available:						
Remarks:							
No hydrology was observed at this data point.							
The fry droingy was observed at this data point.							

VEGETATION (Four Strata) – Use scientific names of plants

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-380
		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Dersont of Dominant Charles
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{12}{45}$ $\times 2 = \frac{24}{45}$
1. Liquidambar styraciflua	10		FAC	FAC species $\frac{15}{12}$ $\times 3 = \frac{45}{122}$
2				FACU species 42 x 4 = 168
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>69</u> (A) <u>237</u> (B)
5				Prevalence Index = B/A = 3.43
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				2 - Dominance Test is >50%
-	10	= Total Cov	 er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 5.00				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Andropogon virginicus	15		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Eupatorium capillifolium	15	~	FACU	
3. Symphyotrichum lateriflorum	8		FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Lonicera japonica	5		FACU	Definitions of Four Vegetation Strata:
5. Pinus taeda	5		FAC	Deminitions of Four Vegetation Strata.
6. Rubus argutus	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Eupatorium perfoliatum	3		FACW	more in diameter at breast height (DBH), regardless of height.
8. Solidago altissima	2		FACU	
9. Coleataenia rigidula	1		FACW	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				
	59	= Total Cov	er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 29.50				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				Holght.
2				
3				
4				
5				Hydrophytic Vegetation
-		= Total Cov		Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s				1
·	,			
No tree or woody vine strata were ob	serveo	i at this	data p	ooint.

Profile Desc	cription: (Describe	to the dep	th needed to docum	ent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redox	Features	s			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 4/3	100					Loam	
12 - 18	10YR 5/4	100					Clay Loam	
					-			
-								
					-	-		
¹ Type: C=Co	oncentration D=Der	oletion RM:	=Reduced Matrix, MS	=Masked	Sand Gra	ains	² l ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil		DICTION, TXIVI	-reduced Matrix, Me	Masked	Cana Ore	AII 13.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Bel		ce (S8) (N	ILRA 147.		Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su					(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye				P	Piedmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Mat					(MLRA 136, 147)
2 cm Mu	ıck (A10) (LRR N)		Redox Dark S	Surface (F	6)			/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	ce (A11)	Depleted Dar				c	Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (LRR N,	Iron-Mangane		es (F12) (I	LRR N,		
	A 147, 148)		MLRA 136		MI DA 40	0 400\	31	ttankana af landasahadia na sakadian anad
	Gleyed Matrix (S4)		Umbric Surfa					licators of hydrophytic vegetation and
	Redox (S5) I Matrix (S6)		Piedmont Flo Red Parent M					etland hydrology must be present, lless disturbed or problematic.
	Layer (if observed)	•	Neu Faieiii iv	iateriai (i	ZI) (WILK	H 121, 141	, un	ness disturbed of problematic.
	Layer (II Observed)	•						
Type:								v
	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Col	unty: Pittsylvania Sampling Date: 2025-02-25					
	State: Virginia Sampling Point: DP-381					
Investigator(s):KZ, MS Section, Township, Range:						
Landform (hillslope, terrace, etc.): Flat Local relief	f (concave, convex, none): None Slope (%): 2					
Subregion (LRR or MLRA): P 136 Lat: 36.55749102	Long: -79.61649215 Datum: WGS 84					
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	s No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed	ed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problemati						
SUMMARY OF FINDINGS – Attach site map showing samp						
Hydrophytic Vegetation Present? Yes No 🗸						
Livering Coil Dropont?	s the Sampled Area					
Wetland Hydrology Present?	within a Wetland? Yes No					
Remarks:						
Normal circumstances were not present due to recent construct						
through the feature. No vegetation was present and the area w						
disturbed due to construction activities. Area is still being perce	enved as a palustrine emergent (PEM) wetland.					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B	14) Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2) Hydrogen Sulfide Odor						
Saturation (A3) Oxidized Rhizospheres	on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduced I	ron (C4) Dry-Season Water Table (C2)					
Sediment Deposits (B2) Recent Iron Reduction	in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface (C7	Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Other (Explain in Rema	arks) Stunted or Stressed Plants (D1)					
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	ous inspections), if available:					
Remarks:						
Hydrology had been disrupted/disturbed due to	construction activities.					

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VEGETATION (Four Strata) – Use scientific ı	names of plants.	Sampling Point: DP-381
	Absolute Dominant Indicate	
Tree Stratum (Plot size: 30 ft r) 1.	% Cover Species? Status	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2		Total Number of Dominant
3		Species Across All Strata:0 (B)
4		Percent of Dominant Species
5		That Are OBL, FACW, or FAC: 0.00 (A/B)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	OBL species $0 \times 1 = 0$
	20% of total cover:	_
Sapling/Shrub Stratum (Plot size: 15 ft r)		
1		X 0 =
2		
3		UPL species $0 \times 5 = 0$
4		Column Totals: 0 (A) 0 (B)
5		Prevalence Index = B/A = 0
6		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
8		2 - Dominance Test is >50%
9		3 - Prevalence Index is ≤3.0 ¹
	= Total Cover	4 - Morphological Adaptations ¹ (Provide supporting
_	20% of total cover:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r		Problematic Hydrophytic Vegetation¹ (Explain)
1		Problematic Hydrophytic Vegetation (Explain)
2		Indicators of hydric soil and wetland hydrology must
3		be present, unless disturbed or problematic.
4		
5		_
6		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7		
8		- Ocalia violente - Was de alegate - sustadio a cinco les
0		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10		_ m) tall.
11		Herb – All herbaceous (non-woody) plants, regardless
	= Total Cover	of size, and woody plants less than 3.28 ft tall.
	20% of total cover:	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)		height.
1		_
2		_
3		_
4		- Hydrophytic
5		_ Vegetation
	= Total Cover	Present? Yes No
50% of total cover:	20% of total cover:	_
Remarks: (Include photo numbers here or on a separate	sheet.)	1
No vogotation was present due to re	soont construction o	futilities (water line) through the
No vegetation was present due to re		n uninces (water line) through the
area. The area contains wood chips	/mulch.	

US Army Corps of Engineers

Profile Des	cription: (Describe	to the depth	n needed to document the indicator or	onfirm	the absence of indica	ators.)
Depth	Matrix		Redox Features			
(inches)	Color (moist)	%	Color (moist) % Type ¹ L	oc²	Texture	Remarks
0 - 6	10YR 4/3	50			Loam	
0 - 6	2.5Y 6/4	20			Loam	
0 - 6	10YR 5/1	30			Loam	
	101110/1					
						
	-					
-						
	-					
¹ Type: C=C	oncentration, D=Dep	letion, RM=F	Reduced Matrix, MS=Masked Sand Grains	S.	² Location: PL=Pore L	ining, M=Matrix.
Hydric Soil		•	,			Problematic Hydric Soils ³ :
Histosol	I (A1)		Dark Surface (S7)		2 cm Mucl	k (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLR	A 147,		irie Redox (A16)
Black H	istic (A3)		Thin Dark Surface (S9) (MLRA 147)			147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		Piedmont	Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)			136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)			ow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dark Surface (F7)		Other (Exp	olain in Remarks)
	ark Surface (A12)	I DD N	Redox Depressions (F8)	5 N		
-	Mucky Mineral (S1) (l A 147, 148)	LKK N,	Iron-Manganese Masses (F12) (LRI MLRA 136)	₹N,		
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 1	22)	³ Indicators of	f hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (M			drology must be present,
-	d Matrix (S6)		Red Parent Material (F21) (MLRA 1			urbed or problematic.
	Layer (if observed)		<u> </u>	, ,		
Type: Ro						
	ches): 6+		<u> </u>		Hydric Soil Present	? Yes No
Remarks:			<u> </u>		11,4110 00111 100011	. 100 <u>——</u> 110 <u>——</u>
	-		disturbed and was not pre			

Project/Site: Southeast Su	apply Enhan	cement	Project City/C	ounty: Pittsylvania	;	Sampling Date: 2025-02-25	
Applicant/Owner: Transcont	tinental Gas	Pipe Line	e Company, LLC			Sampling Point: DP-382	
Investigator(s):KZ, MS			Section	on, Township, Range:			
Landform (hillslope, terrace, et							
Subregion (LRR or MLRA): P							
Soil Map Unit Name: 34B - \$							
Are climatic / hydrologic condit							
Are Vegetation , Soil	, or Hydro	ology	significantly distur	bed? Are "Norma	I Circumstances" pr	esent? Yes 🔽 No	
Are Vegetation, Soil					explain any answers		
-	-					important features, etc.	
Hydrophytic Vegetation Prese Hydric Soil Present? Wetland Hydrology Present? Remarks:	Y	es $\frac{\checkmark}{\checkmark}$ es $\frac{\checkmark}{\checkmark}$	No No No	Is the Sampled Area within a Wetland?	Yes	No	
All three wetland p soils) were satisfied HYDROLOGY		-	-		mytic vegeta	tion, and flydric	
Wetland Hydrology Indicate	ors:				Secondary Indicate	ors (minimum of two required)	
Primary Indicators (minimum	of one is requi	ired; check	all that apply)		Surface Soil C	racks (B6)	
Surface Water (A1)			True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)		
✓ High Water Table (A2)			Hydrogen Sulfide Ode	or (C1)	Drainage Patterns (B10)		
Saturation (A3)		<u>~</u>	Oxidized Rhizosphere	es on Living Roots (C3)			
Water Marks (B1)			Presence of Reduced			/ater Table (C2)	
Sediment Deposits (B2)			Recent Iron Reductio		Crayfish Burro		
Drift Deposits (B3)			Thin Muck Surface (C			ible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)			Other (Explain in Ren	narks)		essed Plants (D1)	
Iron Deposits (B5)					Geomorphic P		
Inundation Visible on Ae		7)			Shallow Aquita		
Water-Stained Leaves (E	39)					hic Relief (D4)	
Aquatic Fauna (B13)					FAC-Neutral T	esi (D0)	
Field Observations: Surface Water Present?	Voc. V	No	Depth (inches): 1				
Water Table Present?			Depth (inches): 0				
Saturation Present?			Depth (inches): 0		Hydrology Present	o vas V Na	
(includes capillary fringe)	res	NO	Depth (inches).	wetiand i	nyarology Present	? Yes <u> </u>	
Describe Recorded Data (stre	eam gauge, m	onitoring w	ell, aerial photos, pre	vious inspections), if ava	ailable:		
Remarks:							

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-382
00.6	Absolute			Dominance Test worksheet:
1		Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
2				(i)
3				Total Number of Dominant Species Across All Strata: 2 (B)
				Species Across All Strata: 2 (B)
4 5.				Percent of Dominant Species
•				That Are OBL, FACW, or FAC: 50.00 (A/B)
6			· ——	Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
50% of total cover:		= Total Cover		OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total cover		FACW species 40 x 2 = 80
				FAC species 40 x 3 = 120
1				FACU species 35 x 4 = 140
2			· ——	UPL species 0 x 5 = 0
3			·	Column Totals: 115 (A) 340 (B)
4				(b)
5				Prevalence Index = B/A = 2.95
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8			·	2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% 01	total cover		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r 1. Rubus argutus	30	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Microstegium vimineum	30		FAC	
3. Eupatorium perfoliatum	20		FACW	¹ Indicators of hydric soil and wetland hydrology must
4. Juncus effusus	20		FACW	be present, unless disturbed or problematic.
5. Smilax rotundifolia	10	-	FAC	Definitions of Four Vegetation Strata:
6 Lonicera japonica	5	-	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
<u> </u>			1 400	more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
500/ 51.11 57.50		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>57.50</u>	20% of	total cover	23.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1			·	
2			·	
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
50% CL L		= Total Cov		Present? Yes V No No
50% of total cover:		total cover		
Remarks: (Include photo numbers here or on a separate sl	neet.)			
No tree, sapling/shrub, or woody vine	strata	were o	bserv	ed at this data point.
, , 5.				•

Profile Desc	ription: (Describe	to the de	pth needed to docun	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 7	10YR 5/2	70	5YR 4/6	30	С	PL / M	Silt Loam	
		-			_			
		-		-	-			
					_			
		-		-				
-								
					_			
	-	-						
					_			
¹ Type: C=Co	oncentration, D=Dep	letion, RM	I=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (I	MLRA 147 ,	148) C	Coast Prairie Redox (A16)
Black His	stic (A3)		Thin Dark Su	rface (S9) (MLRA	147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix	(F2)		P	riedmont Floodplain Soils (F19)
Stratified	l Layers (A5)		✓ Depleted Mat	trix (F3)				(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	Surface (F6)			ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar				C	other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	_RR N,	Iron-Mangan		ses (F12) ((LRR N,		
	\ 147, 148)		MLRA 13				2	
	lleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F21) (MLR	RA 127, 147	<u>')</u> un	less disturbed or problematic.
	ayer (if observed):							
Type: Ro								
Depth (inc	ches): <u>7+</u>						Hydric Soil	Present? Yes V No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	county: Pittsylvania Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-383
Investigator(s):KZ, MS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local reli	
Subregion (LRR or MLRA): P 136 Lat: 36.55736261	
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percen	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	ppling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No V Yes No V	Is the Sampled Area within a Wetland? Yes No
Remarks:	
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (I	B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odd	
Saturation (A3) Oxidized Rhizosphere	es on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced	I Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction	n in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Ren	narks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

EGETATION (Four Strata) – Use scientific i	names of	piants.		Sampling Point: DP-383
Tree Stratum (Plot size: 30 ft r	Absolute % Cover		Indicator Status	Dominance Test worksheet: Number of Dominant Species
				That Are OBL, FACW, or FAC: 1 (A)
<u>. </u>				Total Number of Dominant
l				Species Across All Strata: 3 (B)
l <u>. </u>				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 33.33 (A/B
ò				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
50% of total cover:		= Total Co		OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r	20 /0 01	lotal cove	·	FACW species 20 $\times 2 = 40$
				FAC species $0 \times 3 = 0$
· <u> </u>				FACU species 45
3				UPL species $0 \times 5 = 0$
· I		-		Column Totals: <u>65</u> (A) <u>220</u> (B)
5		-		
5				Prevalence Index = B/A = 3.38
7				Hydrophytic Vegetation Indicators:
3				1 - Rapid Test for Hydrophytic Vegetation
).				2 - Dominance Test is >50%
		= Total Co	ver	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:	20% of	total cove	r:	4 - Morphological Adaptations¹ (Provide supportin
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium scoparium	20		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Rubus argutus	20		FACU	¹ Indicators of hydric soil and wetland hydrology must
Andropogon virginicus	15		FACU	be present, unless disturbed or problematic.
4. Eupatorium capillifolium			FACU	Definitions of Four Vegetation Strata:
5. Solidago altissima	5		FACU	Tree Mondy plants evaluding vince 2 in (7.6 cm) o
S				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o more in diameter at breast height (DBH), regardless of
7				height.
3				Sapling/Shrub – Woody plants, excluding vines, less
)		-		than 3 in. DBH and greater than or equal to 3.28 ft (1
10		-		m) tall.
l1	^-			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 32.5		= Total Co		of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30 ft r)	20% 01	lotal cove	10.00	Woody vine – All woody vines greater than 3.28 ft in
l				height.
2.				
3				
4				
5.				Hydrophytic Vegetation
		= Total Co		Present? Yes No
50% of total cover:	20% of	total cove	r:	

SOIL								Samplin	ng Point: DP-383
Profile Desc	cription: (Describ	e to the de	pth needed to docu	ment the	indicato	r or confir	m the absence	of indicators.)	
Depth	Matrix			ox Feature		12	T 4	D	
(inches) 0 - 12	Color (moist) 10YR 5/3	<u> </u>	Color (moist) 10YR 5/6	_ <u> </u>	Type ¹	Loc ²	Texture Clay Loam	Rem	narks
0 - 12	1011(3/3	30	10 TR 5/0	2	 D	IVI	Clay Loam	Secondary red	dov color
	10VD 4/2		-			_		Secondary rec	JOX COIOI
12 - 18	10YR 4/2	90	10YR 5/6	5	_ <u>C</u>	_ <u>M</u>	Silty Clay Loam		
12 - 18			10YR 5/2	5	<u>D</u>	<u>M</u>	Silty Clay Loam	Secondary red	lox color
-									
¹Type: C=Ce	oncentration. D=D	epletion. RM	I=Reduced Matrix, M	S=Maske	d Sand C		² Location: P	L=Pore Lining, M=N	
Hydric Soil		- ₁₂						ators for Problema	
Histosol	, ,		Dark Surface					cm Muck (A10) (MI	-
	pipedon (A2)		Polyvalue B					Coast Prairie Redox	(A16)
Black Hi	istic (A3) en Sulfide (A4)		Thin Dark S Loamy Gley			147, 148)		(MLRA 147, 148) Piedmont Floodplain	Soils (F10)
	d Layers (A5)		Depleted Ma		(1 2)		— '	(MLRA 136, 147)	00113 (1-10)
2 cm Mu	uck (A10) (LRR N)		Redox Dark					ery Shallow Dark S	
	d Below Dark Surfa	ace (A11)	Depleted Da				<u> </u>	Other (Explain in Rei	marks)
	ark Surface (A12) ⁄lucky Mineral (S1)	(I RR N	Redox Depr Iron-Mangar			(I RR N			
	A 147, 148)	(2111111,	MLRA 13		JCJ (1 12)	(Litter,			
Sandy G	Gleyed Matrix (S4)		Umbric Surfa	ace (F13)				licators of hydrophy	_
Sandy R			Piedmont FI					etland hydrology mu	•
Stripped	l Matrix (S6) Layer (if observe	4).	Red Parent	Materiai (F21) (ML	RA 127, 14	47) un	less disturbed or pro	oblematic.
Type:	Layer (II Observed	u).							
	ches):						Hydric Soil	Present? Yes	No 🗸
Remarks:									

Project/Site: Southeast Supply Enhancement Project City	/County: Pittsylvania Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	
Investigator(s):KZ, MS Sec	tion, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.55725522	
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percentage.	ent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distr	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally probler	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
1	
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6) (B14) Sparsely Vegetated Concave Surface (B8)
Surface Water (A1) True Aquatic Plants Hydrogen Sulfide O	
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduct	
Drift Deposits (B3) Thin Muck Surface	
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, p.	revious inspections), if available:
	· · ·
Remarks:	
1	

/EGETATION (Four Strata) – Use scientific n		plants.		Sampling Point: DP-384
<u>Tree Stratum</u> (Plot size: <u>30 ft r</u>) 1	% Cover	Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
		= Total Cove		Total % Cover of: Multiply by:
50% of total cover:				OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r)		_	_	FACW species <u>25</u> x 2 = <u>50</u>
1				FAC species <u>28</u> x 3 = <u>84</u>
2				FACU species <u>3</u>
3				UPL species <u>0</u> x 5 = <u>0</u>
4.				Column Totals: <u>56</u> (A) <u>146</u> (B)
5				Prevalence Index = B/A = 2.60
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	20		FAC	Problematic Hydrophytic Vegetation¹ (Explain)
1. Microstegium vimineum	20		FAC	
2. Juncus effusus	15		FACW	¹ Indicators of hydric soil and wetland hydrology must
3. Dichanthelium scoparium	10		FACW	be present, unless disturbed or problematic.
4. Dichanthelium clandestinum	8		FAC	Definitions of Four Vegetation Strata:
5. Carex sp.	5		<u> </u>	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Andropogon virginicus	3		FACU	more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cove		of size, and woody plants less than 3.28 ft tall.
	20% of	total cover:	12.20	Woody vine – All woody vines greater than 3.28 ft in height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
50% of total cover:		= Total Cover		Present? Yes No
Remarks: (Include photo numbers here or on a separate s		ioiai GOVEI.		
remains. (include prioto numbers here or on a separate s	nieet.)			
No tree, sapling/shrub, or woody vind	e strata	were o	bserv	ed at this data point.
				·

SOIL

epth	Matrix Color (moist)	%		ox Feature		Loc²	Toyturo	Domarka
nches) 0 - 7	10YR 5/2	 70	Color (moist) 5YR 4/6	<u>%</u> 30	Type ¹	PL / M	Texture Silt Loam	Remarks
0 - 7	1018 5/2	_ /0	31K 4/0	30	<u> </u>	PL / M	Sill Loam	
-								
_			· ·	-				
			<u> </u>		<u> </u>			
-								
_								
		_		-				-
			-		· ·			
ne: C=C	oncentration D=De	nletion RM		S=Maske	d Sand G	raine	² Location: P	L=Pore Lining, M=Matrix.
	Indicators:	pietion, ixi	W-Reduced Matrix, IV	O-IVIASKE	u Sanu O	airis.	Indic	ators for Problematic Hydric Soils ³
Histosol			Dark Surfac	0 (87)				cm Muck (A10) (MLRA 147)
=:	oipedon (A2)		Polyvalue B		nca (SR) (I	MI DA 1/17		Coast Prairie Redox (A16)
	stic (A3)		Thin Dark S				((MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley			147, 140)	F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma		(1 2)		_ '	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		F6)		V	'ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ce (A11)	Depleted Da					Other (Explain in Remarks)
	ark Surface (A12)	,	Redox Depr		. ,			
	Mucky Mineral (S1)	(LRR N,	Iron-Mangar			(LRR N,		
	A 147, 148)	,	MLRA 13		,	,		
	Gleyed Matrix (S4)		Umbric Surf	-	(MLRA 1	36, 122)	³ Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont FI					etland hydrology must be present,
	Matrix (S6)		Red Parent					less disturbed or problematic.
estrictive I	Layer (if observed):						
Type: Gr	avel							
Type: Or							Hydric Soil	Present? Yes V No
							,	
Depth (inc	ches): <u>7+</u>						1	
Depth (inc								
Depth (inc							1	
Depth (inc							1	
Depth (inc								
Depth (inc								
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Depth (inc								

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2025-02-26
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-385
Investigator(s):KH, LS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local rel	
Subregion (LRR or MLRA): P 136 Lat: 36.55724531	
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percei	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes V No	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No ✔	within a Wetland? Yes No
Remarks:	
Only one (i.e., hydric soil) of the three wetland	parameters was satisfied at this data point.
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Od	
Saturation (A3) Oxidized Rhizospher	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (0	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3) Microtopographic Relief (D4)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (04) FAC-Neutral Test (D5)
Field Observations:	TAG-Neutral Test (D3)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	_
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
No budge leave weet all at this data graint	
No hydrology was observed at this data point.	

ree Stratum (Plot size: 30 ft r)		Species?	Status	Number of Dominant Species	
				That Are OBL, FACW, or FAC: 1	(A)
				Total Number of Dominant Species Across All Strata: 5	(B)
				,	_ ` ′
				Percent of Dominant Species That Are OBL, FACW, or FAC: 20.00	(A/I
		•		Prevalence Index worksheet:	
		T-4-1 O-1		Total % Cover of: Multiply by	<u>:</u>
50% of total cover:		= Total Cov		OBL species 0 x 1 = 0	
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total cover.	·	FACW species $5 x 2 = 10$	
Elaeagnus umbellata	30	~	FACU	FAC species 25 x 3 = 75	
Liquidambar styraciflua	10		FAC	FACU species 80 x 4 = 320	
				UPL species 10 x 5 = 50	
·				Column Totals: 120 (A) 455	(B
				Prevalence Index = B/A = 3.79	
				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	า
				2 - Dominance Test is >50%	•
				3 - Prevalence Index is ≤3.0 ¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Provide	supportir
50% of total cover: <u>20.0</u>	00 20% of	total cover:	8.00	data in Remarks or on a separate she	
lerb Stratum (Plot size: 5 ft r)	4=		E 4 O L L	Problematic Hydrophytic Vegetation¹ (Ex	,
Andropogon virginicus	_ 15		FACU	residing try drop try to vegetation (Ex	piairi
Polystichum acrostichoides	_ 15		FACU	¹ Indicators of hydric soil and wetland hydrolog	teum vr
Rubus argutus	_ 15		FACU	be present, unless disturbed or problematic.	,, maoc
Euonymus americanus	_ 10		FAC	Definitions of Four Vegetation Strata:	
Verbesina virginica	_ 10		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 om) (
Juncus effusus			FACW	more in diameter at breast height (DBH), rega	,
Lonicera japonica	5		FACU	height.	
Pinus taeda	_ 5		FAC	Sapling/Shrub – Woody plants, excluding vii	nes, less
		•		than 3 in. DBH and greater than or equal to 3 m) tall.	.28 ft (1
0 1				,	
·	~~	= Total Cov	er	Herb – All herbaceous (non-woody) plants, re of size, and woody plants less than 3.28 ft tal	
50% of total cover: 40.0	00 20% of	total cover:	16.00	Mandanda Allumada da da anta da	00 6 :
Voody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3 height.	28 π in
·				Undrambida	
<u> </u>				Hydrophytic Vegetation	
		= Total Cov		Present? Yes No	_
50% of total cover:					
Remarks: (Include photo numbers here or on a separate	sheet.)			1	

SOIL Sampling Point: DP-385

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	indicator	or confirn	n the absence	e of indicators.)
Depth	Matrix			x Feature	S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 9	10YR 4/3	100					Loam	
9 - 18	10YR 4/2	95	10YR 4/6	5	С	М	Clay Loam	1
		. ——						
_								
					-			
	-							
1Typo: C=C	neontration D=Don	lotion DM	=Reduced Matrix, MS	S=Maskor	N Sand Gr	nine	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I		ielion, Rivi	-Reduced Matrix, Mis	5=iviasket	Sand Gr	airis.		cators for Problematic Hydric Soils ³ :
-			Dark Surface	(87)				•
Histosol	ipedon (A2)		Dark Surface Polyvalue Be	. ,	co (SS) (N	II DA 1 <i>1</i> 7		2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16)
Histic Ep			Polyvalue Be				, 140)	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			47, 140)		Piedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		(1 2)		_	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		- 6)			Very Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar					Other (Explain in Remarks)
	rk Surface (A12)	,	Redox Depre					,
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan			LRR N,		
	147, 148)		MLRA 13	6)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 13	6, 122)	³ lr	ndicators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	48) v	vetland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 14	7) ι	ınless disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:			<u></u>					
Depth (inc	ches):						Hydric Sc	oil Present? Yes 🗸 No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2025-02-25						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-386						
Investigator(s):KZ, MS Section	ion, Township, Range:						
Landform (hillslope, terrace, etc.): Terrace Local re							
	Long:79.612975 Datum: WGS 84						
	Soil Map Unit Name: 29C - Pinkston-Clover complex, 7 to 15 percent slopes, very stony NWI classification: R4SBC						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problem							
	mpling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No						
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric						
	Cocondany Indicators (minimum of two required)						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6) (P14) Sparsely Vegetated Conceye Surface (P8)						
Surface Water (A1) True Aquatic Plants High Water Table (A2) Hydrogen Sulfide Oc							
Saturation (A3) Nydrogen Suinde OC Oxidized Rhizospher							
Water Marks (B1) Presence of Reduce							
Sediment Deposits (B2) Recent Iron Reduction							
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:						
Describe Necorded Data (stream gauge, monitoring well, aerial priotos, pro	svious inspections), ii available.						
Remarks:							

EGETATION (Four Strata) – Use scientific n		-		Sampling Point: DP-386
Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 3 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Develop of Development Conscion
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				(785)
7		-		Prevalence Index worksheet:
·		- Total Cav		Total % Cover of: Multiply by:
50% of total cover:		= Total Cov		OBL species $\frac{1}{x} = \frac{1}{x}$
	20 /6 01	total cover	·	FACW species 35 x 2 = 70
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 80 x 3 = 240
1				FACU species 3 x 4 = 12
2				
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>119</u> (A) <u>323</u> (B)
5				December 2 10 day 2 71
6				Prevalence Index = B/A = 2.71
				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Dichanthelium clandestinum	40		FAC	Problematic Hydrophytic Vegetation (Explain)
2. Microstegium vimineum	40	~	FAC	
Juncus effusus	30	~	FACW	¹ Indicators of hydric soil and wetland hydrology must
Vernonia noveboracensis	5		FACW	be present, unless disturbed or problematic.
_{5.} Lonicera japonica	3		FACU	Definitions of Four Vegetation Strata:
6. Mimulus ringens	1		OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
			· 	more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	440	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 59.50				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes V No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s				
remains. (include prioto fluilibers fiele of off a separate s	11661.)			
No tree, sapling/shrub, or woody vine	e strata	were o	bserv	ed at this data point.

US Army Corps of Engineers

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	5Y 5/1	90	7.5YR 5/4	6	С	PL / M	Clay Loam	
0 - 4			10YR 5/2	4	<u>C</u>	<u>M</u>	Clay Loam	Secondary redox color
4 - 7	10YR 5/2	90	10YR 5/8	5	С	PL / M	Clay Loam	
4 - 7			10YR 6/2	5	D	<u>M</u>	Clay Loam	Secondary redox color
				-				
¹ Type: C=Co		oletion, RM	=Reduced Matrix, M	S=Maske	d Sand Gi	rains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			Davida Occidente	(07)				· ·
Histosol			Dark Surface		(00) (W DA 447		cm Muck (A10) (MLRA 147)
	nipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)
Black His			Thin Dark Su			147, 148)	5	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	Layers (A5)		<u>✓</u> Depleted Ma					(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark				· · · · · · · · · · · · · · · · · · ·	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Da		. ,		0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
-	lucky Mineral (S1) (LRR N,	Iron-Mangan		ses (F12)	(LRR N,		
	\ 147, 148)		MLRA 13				2	
-	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F	-21) (MLF	RA 127, 147	7) uni	less disturbed or problematic.
	ayer (if observed)	:						
Type: Ro								,
Depth (inc	ches): /						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania Sampling Date: 2025-02-25					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-387					
Investigator(s):KZ, MS Section, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 2-4						
Subregion (LRR or MLRA): P 136 Lat: 36.56104261						
Soil Map Unit Name: 29C - Pinkston-Clover complex, 7 to 15 perc						
Are climatic / hydrologic conditions on the site typical for this time of year? You	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problema						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No V No V	Is the Sampled Area within a Wetland? Yes No					
Remarks:						
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide Odd						
Saturation (A3) Oxidized Rhizosphere						
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reduction						
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Rem						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:					
Remarks:						
No hydrology was observed at this data point.						

VEGETATION (Four Strata) – Use scientific names of plants

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-387
		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)
6				That Ale Obe, I Aow, of I Ao.
7				Prevalence Index worksheet:
·		= Total Cov	 er	Total % Cover of: Multiply by:
50% of total cover:				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $2 x 2 = 4$
1. Liquidambar styraciflua	2		FAC	FAC species 22 x 3 = 66
2				FACU species 32 x 4 = 128
				UPL species 2 x 5 = 10
3				Column Totals: 58 (A) 208 (B)
4				
5			-	Prevalence Index = B/A = 3.58
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>1.00</u>	20% of	total cover:	0.40	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Dichanthelium clandestinum	20		FAC	Problematic Hydrophytic Vegetation (Explain)
2. Lolium perenne	20		FACU	Indicators of hydric call and watered hydrology as at
3. Lonicera japonica	10		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Allium vineale	2		FACU	Definitions of Four Vegetation Strata:
5. Daucus carota	2		UPL	Definitions of Four Vegetation Strata.
6. Juncus effusus	2		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				noight.
9.				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				,
11	56			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 28.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
·	20% 01	lotal cover.	11.20	Woody vine - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree or woody vine strata were ob	served	l at this	data p	ooint.

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Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the in	dicator o	or confirm	the absence	of indicato	ors.)	
Depth	Matrix		Redox	Features						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0 - 6	10YR 5/4	100					Silt Loam			
6 - 12	10YR 5/6	100					Silty Clay Loam			
			-					-		-
								-		
			_							<u>.</u>
-										
	-									
	-									
¹Type: C=Co	ncentration D=Der	letion RM=	Reduced Matrix, MS	=Masked S	Sand Gra	ins	² Location: P	PI =Pore I ini	ng, M=Matrix.	
Hydric Soil I		iction, ravi–	reduced Matrix, Mc	-Maskea C	Jana Ore				roblematic Hy	
Histosol			Dark Surface	(\$7)					A10) (MLRA 1	
	oipedon (A2)		Polyvalue Bel		- (S8) (M	I RΔ 147			Redox (A16)	-
Black His			Thin Dark Su				140,	(MLRA 14		
	n Sulfide (A4)		Loamy Gleye			-17, 1-10)	_		oodplain Soils	(F10)
	I Layers (A5)		Depleted Mat		۷)		'	(MLRA 13		(1 13)
					`		,			(TE12)
	ck (A10) (LRR N)	o (A11)	Redox Dark S Depleted Dark	,	•				/ Dark Surface	
	Below Dark Surface	e (ATT)						лпег (⊏хріа	in in Remarks)
	ark Surface (A12)	L DD N	Redox Depre			DD N				
	lucky Mineral (S1) (LKK N,	Iron-Mangane		6 (F12) (L	LKK N,				
	147, 148)		MLRA 136		U D A 404	0.400\	31			
	leyed Matrix (S4)		Umbric Surfac						ydrophytic ve	
	edox (S5)		Piedmont Flo					-	logy must be	
	Matrix (S6)		Red Parent M	aterial (F2	1) (MLR	A 127, 147	<u>')</u> un	less disturb	ed or problem	atic.
	ayer (if observed)	:								
Type: Ro										_
Depth (inc	ches): 12+						Hydric Soil	I Present?	Yes	No 🗸
Remarks:							•			

Project/Site: Southeast Supply Enhancement Project City/Count	ty: Pittsylvania County Sampling Date: 2025-02-26					
· — ,	State: Virginia Sampling Point: DP-388					
Investigator(s):KH, LS Section, Township, Range:						
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 3-4						
Subregion (LRR or MLRA): P 136 Lat: 36.56939771 Long: -79.60452619 Datum: WGS 84						
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes $_$	No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampli	ng point locations, transects, important features, etc.					
Ludria Cail Dragant?	the Sampled Area thin a Wetland? Yes No					
Only one (i.e., hydrophytic vegetation) of the three wetland parameters was satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2) Hydrogen Sulfide Odor (C						
Saturation (A3) Oxidized Rhizospheres or						
Water Marks (B1) Presence of Reduced Iron						
Sediment Deposits (B2) Recent Iron Reduction in						
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Other (Explain in Remark						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:	17.0 Notation 1001 (D0)					
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previou	s inspections), if available:					
Remarks:						
No hydrology was observed at this data point.						

EGETATION (Four Strata) – Use scientific n	Absolute	- Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)		Species?		
				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (/
				Total Number of Dominant Species Across All Strata: 2 (I
				opecies Across Air Strata.
-				Percent of Dominant Species That Are OBL FACW or FAC: 100.00
				That Are OBL, FACW, or FAC: 100.00 (/
				Prevalence Index worksheet:
				Total % Cover of: Multiply by:
50% of total cover:		= Total Cov		OBL species 0 x 1 = 0
sapling/Shrub Stratum (Plot size: 15 ft r)	20% 01	total cover.		FACW species $0 x 2 = 0$
				FAC species 65 x 3 = 195
				FACU species 15
				UPL species $0 \times 5 = 0$
				00 055
				Column Totals: 80 (A) 255
				Prevalence Index = B/A = 3.18
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
	:	= Total Cov	er	4 - Morphological Adaptations ¹ (Provide suppo
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
lerb Stratum (Plot size: 5 ft r)				•
_ Dichanthelium clandestinum	30	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Coreopsis tripteris	20	~	FAC	4
Microstegium vimineum	15		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Andropogon virginicus	10		FACU	
Lonicera japonica	5		FACU	Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm
				more in diameter at breast height (DBH), regardles height.
·				neight.
`		-		Sapling/Shrub – Woody plants, excluding vines, le
•		-		than 3 in. DBH and greater than or equal to 3.28 ft m) tall.
0				m) tan.
1	00			Herb – All herbaceous (non-woody) plants, regardle
50% -54-4-1 40.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>40.00</u>	20% of	total cover	10.00	Woody vine – All woody vines greater than 3.28 ft
Voody Vine Stratum (Plot size: 30 ft r)				height.
·				
·				
<u> </u>				Hydrophytic
·				Vegetation
	:	= Total Cov	er	Present? Yes V No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	sheet.)			
, ,	•			
lo tree, sapling/shrub, or woody vin				

	-		-				n the absence of		
th nes)	Matrix Color (moist)	%	Color (moist)	ox Feature %	es Type ¹	Loc ²	Texture	Rema	rke
) - 6	2.5Y 6/3	95	10YR 5/6	5	C	M	Clay Loam	TOMA	THO .
- 18	10YR 5/3	90	7.5YR 4/6	10	C		Silty Clay Loam		
	10111 0/0		7.011(4/0	10					
			_						
-				·					
-									
-	_								
_									
	-	·	-						
						- <u> </u>	2 5. 5		
	oncentration, D=D Indicators:	epletion, Ri	M=Reduced Matrix, M	S=Maske	ed Sand G	rains.		Pore Lining, M=Mars for Problemati	
listosol			Dark Surfac	o (S7)				n Muck (A10) (MLF	•
	pipedon (A2)		Polyvalue B		ace (S8) (MI RA 147		st Prairie Redox (A	
	istic (A3)		Thin Dark S					ILRA 147, 148)	(10)
	en Sulfide (A4)		Loamy Gley			, -,	•	mont Floodplain S	ioils (F19)
	d Layers (A5)		Depleted Ma					ILRA 136, 147)	
	uck (A10) (LRR N)		Redox Dark					Shallow Dark Sur	
	d Below Dark Surf	ace (A11)	Depleted Da				Othe	er (Explain in Rema	arks)
	ark Surface (A12)	/I DD N	Redox Depr			/LDD N			
	Mucky Mineral (S1) A 147, 148)	(LKK N,	Iron-Mangar		ses (F12)	(LKK N,			
	Gleyed Matrix (S4)		Umbric Surf		(MLRA 1	36, 122)	³ Indicat	tors of hydrophytic	vegetation an
	Redox (S5)		Piedmont FI					nd hydrology must	-
	d Matrix (S6)		Red Parent	Material (F21) (ML	RA 127, 14	7) unless	s disturbed or prob	olematic.
rictive	Layer (if observe	d):							
									./
epth (in	ches):						Hydric Soil Pro	esent? Yes	No <u>~</u>
arks:									

Project/Site: Southeast Supply Enhancement Project City/Co	Dounty: Pittsylvania Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-389
Investigator(s):KZ, MS Section	n, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local relie	
Subregion (LRR or MLRA): P 136 Lat: 36.58578599	
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 2	25 percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrologynaturally problemate	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Ludria Cail Draggart? 185 V NO L	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydrosoils) were satisfied at this data point.	ology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (E High Water Table (A2) Hydrogen Sulfide Odo Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (Cincil) Algal Mat or Crust (B4) Other (Explain in Remulation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations:	Sparsely Vegetated Concave Surface (B8) or (C1) Drainage Patterns (B10) So on Living Roots (C3) Moss Trim Lines (B16) Dry-Season Water Table (C2) To in Tilled Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes V No Depth (inches): 2	
Saturation Present? Yes V No Depth (inches): 0	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, preventation of the control	

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-389
20.4			Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species'	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
50% of total cover:		= Total Co		OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	2070 01	total cove	·	FACW species 35 x 2 = 70
1				FAC species 80 x 3 = 240
2				FACU species 5 x 4 = 20
3				UPL species 0 x 5 = 0
				Column Totals: 120 (A) 330 (B)
4 5.				
5 6				Prevalence Index = B/A = 2.75
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
0				✓ 2 - Dominance Test is >50%
9		= Total Co	ver	✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	<u> </u>			data in Remarks or on a separate sheet)
1. Microstegium vimineum	55	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dichanthelium clandestinum	25	~	FAC	4
3. Vernonia noveboracensis	20		FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Juncus effusus	15		FACW	Definitions of Four Vegetation Strata:
_{5.} Lonicera japonica	5		FACU	
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Co	ver	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 60.00				Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
	:			Present? Yes V No No
50% of total cover:	20% of	total cove	r:	
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree, sapling/shrub, or woody vine	strata	Were	observ	ed at this data point
To a co, supining, sin us, or woody vine	, 50 000	*****	COSCIV	od at tillo data politt.

SOIL Sampling Point: DP-389

Profile Desc	ription: (Describe	to the dep	th needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	S			•
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 4/2	80	10YR 4/6	10	С	PL / M	Clay Loam	
0 - 12			10YR 6/1	10	D	PL / M	Clay Loam	Secondary redox color
						<u> </u>		
					-		-	
-								
1Type: C=C	oncentration D=Den	letion PM:	=Reduced Matrix, MS	S=Macked	I Sand Gr	nine	² l ocation: Pl	_=Pore Lining, M=Matrix.
Hydric Soil		ieuon, Kivi	-Neduced Matrix, Mc	o-iviasket	i Sanu Gi	aii i5.		ntors for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(\$7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be	. ,	ce (S8) (N	II RΔ 147		oast Prairie Redox (A16)
	stic (A3)		Thin Dark Su				140, 0	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			,,	Р	iedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Mat		,			(MLRA 136, 147)
2 cm Mu	ıck (A10) (LRR N)		Redox Dark S	Surface (F	6)		V	ery Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar				0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (L	.RR N,	Iron-Mangan		es (F12) (LRR N,		
	A 147, 148)		MLRA 13		W D A 40	0 400\	31	Santana of landarda di ana arteti an ard
	Gleyed Matrix (S4)		Umbric Surfa					cators of hydrophytic vegetation and
-	Redox (S5) I Matrix (S6)		Piedmont Flo Red Parent N					tland hydrology must be present, ess disturbed or problematic.
	Layer (if observed):		Neu Faieiit ii	nateriai (i	ZI) (WILK	A 121, 141) uiii	ess disturbed of problematic.
Type:	Layer (ii observeu).							
	-1						Hardeia Cail	Present? Yes V No No
	ches):						Hydric Soil	Present? Yes No
Remarks:								

ylvania County Sampling Date: 2025-02-25
State: Virginia Sampling Point: DP-390
Range:
convex, none): Concave Slope (%): 2-3
Long: -79.58819649 Datum: WGS 84
slopes NWI classification: N/A
lo (If no, explain in Remarks.)
Are "Normal Circumstances" present? Yes No
If needed, explain any answers in Remarks.)
nt locations, transects, important features, etc.
oled Area etland? Yes No
nydrophytic vegetation, and hydric
Secondary Indicators (minimum of two required)
Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Roots (C3) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Wetland Hydrology Present? Yes No
ions), if available:

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-390
Tree Stratum (Plot size: 30 ft r	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
1. Acer rubrum	45	~	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
2 Liquidambar styraciflua	30	~	FAC	
3.				Total Number of Dominant Species Across All Strata: 4 (B)
4				Openies Across Air Cirata.
5				Percent of Dominant Species That Are OBL FACW or FAC: 100.00 (A/B)
•				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7	75	= Total Cove		Total % Cover of: Multiply by:
50% of total cover: <u>37.50</u>				OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$
1				FAC species 95 x 3 = 285
2				FACU species <u>3</u> x 4 = <u>12</u>
				UPL species $0 \times 5 = 0$
3				Column Totals: 98 (A) 297 (B)
4 5				
6				Prevalence Index = B/A = 3.03
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8 9.				✓ 2 - Dominance Test is >50%
9		= Total Cove		3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 /0 01			data in Remarks or on a separate sheet)
1. Microstegium vimineum	15	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Smilax rotundifolia	5		FAC	
3 Lonicera japonica	3		FACU	¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Four Vegetation Strata:
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
				neight.
<u> </u>				Sapling/Shrub – Woody plants, excluding vines, less
9 10.				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11	00	= Total Cove		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 11.50				or size, and woody plants less than 5.20 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01			Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4 5.				Hydrophytic
5				Vegetation Present? Yes ✓ No
50% of total cover:		= Total Cover:		
		total cover.		
Remarks: (Include photo numbers here or on a separate si	icci.)			
No sapling/shrub or woody vine strat	a were	observ	ed at t	this data point.
-				-

SOIL Sampling Point: DP-390

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature:	S			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 4/2	96	10YR 5/6	2	С	PL / M	Sandy Loam	
0 - 12			10YR 6/1	2	D	М	Sandy Loam	Secondary redox color
12 - 18	10YR 4/2	96	10YR 4/6	2	С	PL / M	Sandy Clay	
12 - 18			10YR 6/1	2	D	М	Sandy Clay	Secondary redox color
		oletion, RM	=Reduced Matrix, MS	S=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil				.==.				ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface		(0.0) (5			cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			147, 148)	_	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma					(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da				0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (LRR N,	Iron-Mangan		es (F12) (LRR N,		
	A 147, 148)		MLRA 13	-			3	
	Sleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7) unl	ess disturbed or problematic.
Restrictive I	Layer (if observed)	:						
Type:								,
	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania Sampling Date: 2025-02-25
· · · · · · · · · · · · · · · · · · ·	State: Virginia Sampling Point: DP-391
Investigator(s):KZ, MS Sectio	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local relie	ef (concave, convex, none): None Slope (%): 3-5
Subregion (LRR or MLRA): P 136 Lat: 36.58581356	
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 2	25 percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	In the County of Asses
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No	
Remarks:	
hydric soils) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (E	
High Water Table (A2) Hydrogen Sulfide Odd Saturation (A3) Oxidized Rhizosphere	
Value Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rem	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	
No hydrology was absented at this data point	
No hydrology was observed at this data point.	

00.5	Absolute	Dominant		Dominance Test worksheet:
Γ <u>ree Stratum</u> (Plot size: <u>30 ft r</u>) I		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant Species Across All Strata: 4 (B)
i				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B
5				Prevalence Index worksheet:
7		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total cover.		FACW species $5 x 2 = 10$
	5	/	FAC	FAC species 25 x 3 = 75
·· <u>·</u>				FACU species 49
2				$\begin{array}{cccc} & & & & & & & \\ & & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & $
3				70 001
1				Column Totals: <u>79</u> (A) <u>281</u> (B)
5				Prevalence Index = $B/A = 3.55$
5				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
3				2 - Dominance Test is >50%
9	- 			3 - Prevalence Index is ≤3.0 ¹
700/ 6/ / 2 70		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 2.50	20% of	total cover:	1.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	20	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Dichanthelium clandestinum				
2 Eupatorium capillifolium	20 15		FACU FACU	¹ Indicators of hydric soil and wetland hydrology must
Andropogon virginicus				be present, unless disturbed or problematic.
Sorghastrum nutans	- <u>10</u> 5	-	FACU	Definitions of Four Vegetation Strata:
5. Bidens aristosa			FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Allium vineale	2 2		FACU	more in diameter at breast height (DBH), regardless of
7 _. Fragaria vesca			FACU	height.
B		-		Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 37.0		= Total Cov		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	<u> </u>	total cover:	17.00	Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No ✓
500/ of total acres		= Total Cov		riesent: iesNo
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate	sneet.)			
				!
No tree or woody vine strata were o	nservec	i at this	: data r	DOINT

		s to the dep			iiiiiii tile absence	or maioators.,	
th nes)		0/_			Texture	Rem	arke
- 6			Coloi (moist) /6	<u> </u>	Loam	Keiii	ains
	1011(0)4	polyvalue Below Surface (S8) (ML Thin Dark Surface (S9) (MLRA 14 Loamy Gleyed Matrix (F2) Layers (A5) k (A10) (LRR N) Below Dark Surface (A11) k Surface (A12) locky Mineral (S1) (LRR N, 147, 148) Beyed Matrix (S4) dox (S5) Matrix (S6) Polyvalue Below Surface (S8) (MLRA 14 Loamy Gleyed Matrix (F2) Depleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Iron-Manganese Masses (F12) (LI MLRA 136) Umbric Surface (F13) (MLRA 136 Piedmont Floodplain Soils (F19) (I Red Parent Material (F21) (MLRA Apper (if observed): k					
	_						
		Matrix Color (moist)					
-							
				<u> </u>			
	oncontration D=Da	nlotion DM:	-Doduced Metrix, MS-Mee	kod Sand Crains	² l continu		lotriy
		piedon, Rivi-	-Reduced Matrix, MS-Mas	keu Sanu Grains.		ators for Problema	
listosol			Dark Surface (S7)			2 cm Muck (A10) (ML	-
				rface (S8) (MLRA		Coast Prairie Redox	
	istic (A3)					(MLRA 147, 148)	(* 1. 0)
	en Sulfide (A4)					Piedmont Floodplain	Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)	
	uck (A10) (LRR N)					ery Shallow Dark Su	
		ice (A11)			c	Other (Explain in Rer	narks)
		/LDD N					
		(LKK N,	_	isses (F12) (LRR N	l,		
				3) (MLRA 136, 122	a) ³ Ind	dicators of hydrophyt	ic vegetation an
	Redox (S5)					etland hydrology mus	-
-	d Matrix (S6)					less disturbed or pro	
	Layer (if observed	i):					
_{rpe:} Ro	ock						
epth (in	ches): 6+				Hydric Soil	I Present? Yes _	No <u>~</u>
arks:					I		

Project/Site: Southeast Su	ipply Enhancer	ment Project	City/County:	Pittsylvania		Sampling Date: 2025-02-25	
Applicant/Owner: Transcont						Sampling Point: DP-392	
Investigator(s):KH, LS			Section, Tov	wnship, Range:			
Landform (hillslope, terrace, et							
Subregion (LRR or MLRA): P							
Soil Map Unit Name: 21D - F							
Are climatic / hydrologic condit	ions on the site typ	ical for this time of	fyear? Yes 👱	No	(If no, explain in Re	marks.)	
Are Vegetation, Soil	, or Hydrology	ysignifican	ntly disturbed?	Are "Norma	I Circumstances" pre	esent? Yes <u> </u>	
Are Vegetation, Soil							
-		-				important features, etc.	
Lhidranhi dia Vanatatian Dras	ent? Yes	✓ No					
Hydrophytic Vegetation Presonantic Soil Present?	Yes			e Sampled Area	V	Na	
Wetland Hydrology Present?		No No	withi	in a Wetland?	Yes _	No	
Remarks:							
soils) were satisfie	ed at this da	ta point.					
HYDROLOGY Wotland Hydrology Indicate					Cacandary Indicate	era (minimum of two required)	
Wetland Hydrology Indicate		-basic all that anni	L.A		·	ors (minimum of two required)	
Primary Indicators (minimum	of one is requirea;				Surface Soil Cracks (B6)		
Surface Water (A1)		True Aquatio		`	Sparsely Vegetated Concave Surface (B8)		
✓ High Water Table (A2)✓ Saturation (A3)		Hydrogen St) _iving Roots (C3)	Drainage Patte		
Water Marks (B1)		Oxidized Rfi				ater Table (C2)	
Sediment Deposits (B2)		Recent Iron			Crayfish Burro		
Drift Deposits (B3)		Thin Muck S		100 33.13 (22)		ible on Aerial Imagery (C9)	
Algal Mat or Crust (B4)		Other (Expla				essed Plants (D1)	
Iron Deposits (B5)					Geomorphic Position (D2)		
Inundation Visible on Ae	rial Imagery (B7)			Shallow Aquitard (D3)			
Water-Stained Leaves (E	39)				Microtopograp	hic Relief (D4)	
Aquatic Fauna (B13)					FAC-Neutral T	est (D5)	
Field Observations:							
Surface Water Present?		Depth (inch					
Water Table Present?		Depth (inch	. —				
Saturation Present? (includes capillary fringe)	Yes No _	Depth (inch	ies): <u>0</u>	Wetland H	Hydrology Present	? Yes / No	
Describe Recorded Data (stre	eam gauge, monito	oring well, aerial ph	otos, previous i	nspections), if ava	ailable:		
·							
Remarks:							

'EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-392
	Absolute		nt Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)			Status	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7		= Total C	ovor	Total % Cover of: Multiply by:
50% of total cover:				OBL species 18 x 1 = 18
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species <u>0</u>
1				FAC species <u>65</u> x 3 = <u>195</u>
2				FACU species <u>5</u>
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>88</u> (A) <u>233</u> (B)
5				Prevelence Index - P/A - 2 64
6				Prevalence Index = B/A = 2.64
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				 ✓ 2 - Dominance Test is >50% ✓ 3 - Prevalence Index is ≤3.0¹
		= Total C	over	3 - Prevalence index is \$5.0 4 - Morphological Adaptations ¹ (Provide supporting)
50% of total cover:	20% of	total cove	er:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation (Explain)
1. Coreopsis tripteris	40		FAC	Problematic Hydrophytic Vegetation (Explain)
2. Arthraxon hispidus	20		FAC	¹ Indicators of hydric soil and wetland hydrology must
3. Persicaria sagittata	10		OBL	be present, unless disturbed or problematic.
4. Carex lurida	8		OBL	Definitions of Four Vegetation Strata:
5. Dichanthelium clandestinum	5		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Solidago altissima	5		FACU	more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11	00	-		Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 44.00		= Total C		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	20% 01	total cove	er: 17.00	Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
E				Vegetation Present? Yes No
5				
550% of total cover:		= Total Cove		

SOIL Sampling Point: DP-392

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	:S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 4	10YR 5/2	95	7.5YR 4/4	5	С	М	Sandy Clay Loam	
4 - 18	10YR 5/2	60	7.5YR 5/6	20	С	M	Sandy Clay	
4 - 18			5YR 5/8	20	С	М	Sandy Clay	Secondary redox color
¹ Type: C=Ce		letion, RM	=Reduced Matrix, M	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			D 1 - O f	(07)				•
Histosol			Dark Surface	. ,	· (CO) (I	AL DA 447		cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				, 148) C	oast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			147, 148)	D	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5) uck (A10) (LRR N)		<u>✓</u> Depleted Ma		-0)			(MLRA 136, 147)
	d Below Dark Surfac	o (A11)	Redox Dark Depleted Da					ery Shallow Dark Surface (TF12) hther (Explain in Remarks)
	ark Surface (A12)	c (ATT)	Redox Depre				~	The (Explain in Kemarks)
	lucky Mineral (S1) (IRRN	Iron-Mangan			IRRN		
	A 147, 148)	LIXIX IV,	MLRA 13		663 (I IZ) (LIXIX IN,		
	Gleyed Matrix (S4)		Umbric Surfa	•	/MIRA 13	R6 122\	³ Ind	icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N					less disturbed or problematic.
	Layer (if observed)	<u> </u>	rear arener	viateriai (i	21) (ML)	127, 147	1)	icos distarbed of problematic.
Type:		-						
	ches):						Hydric Soil	Present? Yes V No No No
Remarks:							1.7	
Remarks.								

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-02-26
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-393
Investigator(s):KH, LS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local reli	ef (concave, convex, none): Concave Slope (%): 2-3
Subregion (LRR or MLRA): P 136 Lat: 36.59397157	
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce	ent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? $$ Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	ped? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	utic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes V No No No No No No No No No	Is the Sampled Area within a Wetland? Yes No
Remarks:	
All three wetland parameters (i.e., wetland hyd soils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (
✓ High Water Table (A2) — Hydrogen Sulfide Oden	
Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reductio	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes V No Depth (inches): 7	
Saturation Present? Yes Vo Depth (inches): 0	Wetland Hydrology Present? Yes _ ✓ No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
gangs, manning and, and process, pro-	,
Remarks:	

ee Stratum (Plot size: 30 ft r)	Absolute <u>% Cover</u>		nt Indicator	Dominance Test worksheet:	
			<u>s Status</u>	Number of Dominant Species	
				' ^	(A)
					` '
				Total Number of Dominant Species Across All Strata: 2	(B)
				opedes Adross All Ottala.	(0)
				Percent of Dominant Species That Are OBL_FACW_or FAC: 100.00	/
				That Are OBL, FACW, or FAC: 100.00	(A/B)
				Prevalence Index worksheet:	
		= Total Co		Total % Cover of: Multiply by:	
50% of total cover:				OBL species 30 x 1 = 30	
apling/Shrub Stratum (Plot size: 15 ft r	2070 01	10101 0010	JI	FACW species 30 x 2 = 60	
				FAC species 27 x 3 = 81	
				FACU species 10 x 4 = 40	
				UPL species $0 \times 5 = 0$	
				Column Totals: 97 (A) 211	(R)
				Column rotals.	(ט)
				Prevalence Index = $B/A = 2.17$	
				Hydrophytic Vegetation Indicators:	
				✓ 1 - Rapid Test for Hydrophytic Vegetation	
	<u> </u>			✓ 2 - Dominance Test is >50%	
				✓ 3 - Prevalence Index is ≤3.0 ¹	
		= Total Co		4 - Morphological Adaptations ¹ (Provide supp	ortine
50% of total cover:	20% of	total cove	er:	data in Remarks or on a separate sheet)	
erb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain	
Carex Iurida	30		OBL	Problematic Hydrophytic Vegetation (Explain	,
Juncus effusus	30		FACW	1 adicates of hydric call and watered hydralasy man	4
Microstegium vimineum	15		FAC	¹ Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic.	JSI
Coreopsis tripteris	10		FAC	Definitions of Four Vegetation Strata:	
Eupatorium capillifolium	5	-	FACU		
Solidago altissima	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 ci	
Rumex crispus	2		FAC	more in diameter at breast height (DBH), regardles height.	5S 01
				Sapling/Shrub – Woody plants, excluding vines, I than 3 in. DBH and greater than or equal to 3.28 f	ess + /1
)		-		m) tall.	. (1
·					
	^7	= Total Co		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	lless
50% of total cover: 48.5					
oody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 f	t in
, (1.00.0.0.1				height.	
			_		
				Hydrophytic	
				Vegetation Present? Yes ✓ No	
				rieseitt: ies No	
50% of total cover:		total cove	er:		
emarks: (Include photo numbers here or on a separate	sheet.)				
o tree, sapling/shrub, or woody vir	ne strata	were	observ	ed at this data point	

SOIL Sampling Point: DP-393

Profile Desc	cription: (Describe	to the dep	th needed to docu	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 9	10YR 5/2	80	7.5YR 5/6	20	С	PL / M	Sandy Clay	Gravel inclusion
-								
					·			
	-							
				-				
-								
	-							
	-	· ——		-	· ——			
-								
					-			
	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			2	cm Muck (A10) (MLRA 147)
Histic E	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (I	VILRA 147,	148) 0	Coast Prairie Redox (A16)
Black H	istic (A3)		Thin Dark Su	ırface (S9) (MLRA	147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		P	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma					(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		•			ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da				c	Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (I	_RR N,	Iron-Mangan		ses (F12) (LRR N,		
	A 147, 148)		MLRA 13	•			3.	
	Gleyed Matrix (S4)		Umbric Surfa					licators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent I	Material (I	-21) (ML R	A 127, 147	7) un	less disturbed or problematic.
	Layer (if observed):							
Type: <u>G</u> ı								,
Depth (in	ches): 9+						Hydric Soil	Present? Yes V No
Remarks:	ata point tak	en in a	ctive cow pa	sture				

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2025-02-26
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-394
Investigator(s):KH, LS Section	n, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local relie	f (concave, convex, none): Concave Slope (%): 2-3
Subregion (LRR or MLRA): P 136 Lat: 36.59576451	Long: -79.57745805 Datum: WGS 84
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percer	nt slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	s No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed	ed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problemat	
SUMMARY OF FINDINGS – Attach site map showing samp	oling point locations, transects, important features, etc.
Ludria Cail Dragant?	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydr soils) were satisfied at this data point.	ology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B High Water Table (A2) Hydrogen Sulfide Odor Saturation (A3) Oxidized Rhizospheres Water Marks (B1) Presence of Reduced Recent Iron Reduction Drift Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C7 Algal Mat or Crust (B4) Other (Explain in Remain Indication Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) True Aquatic Plants (B4) Presence of Reduced Indicate Presence In	Sparsely Vegetated Concave Surface (B8) r (C1)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches): 9	
Saturation Present? Yes No Depth (inches): 0	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous Remarks:	ious inspections), if available:

EGETATION (Four Strata) – Use scientific r		plants.		Sampling Point: DP-394
Tree Stratum (Plot size: 30 ft r)	Absolute <u>% Cover</u>	Dominant Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4 5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7		= Total Co		Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover	<u>:</u>	OBL species 0 $x 1 = 0$ FACW species 2 $x 2 = 4$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 90 x 3 = 270
1				FACU species 0 x 4 = 0
2				UPL species $0 \times 5 = 0$
3				074
4	·			Column Totals: 92 (A) 274 (B)
5				Prevalence Index = B/A = 2.97
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
500/ of total course		= Total Co		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover	·	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r 1. Microstegium vimineum	60	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Coreopsis tripteris	30		FAC	
2. Vernonia noveboracensis	2		FACW	¹ Indicators of hydric soil and wetland hydrology must
4			- 171011	be present, unless disturbed or problematic.
_				Definitions of Four Vegetation Strata:
** 		-		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8	·			Sapling/Shrub – Woody plants, excluding vines, less
9	·			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				m) tan.
11	92	= Total Co		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>46.00</u>	20% of	total cover	18.40	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3	·			
4	·			Hydrophytic
5				Vegetation
		= Total Co		Present? Yes No
50% of total cover:		total cover	:	
Remarks: (Include photo numbers here or on a separate s	sheet.)			
No tree, sapling/shrub, or woody vin	e strata	were	observ	ed at this data point.
to the or, each migration, or weedy will	2 201010		- 2001 V	os at tino data pointi

(inches)	Matrix	%		ox Feature		Loc²	Toytura		Domorko	
(inches) 0 - 5	Color (moist)	<u></u> 80	Color (moist)	<u>%</u> 20	Type ¹		Texture Silt Loam		Remarks	
	10YR 5/2		7.5YR 5/8	20		PL / M				
5 - 18	10YR 6/2	75	7.5YR 5/8	25	<u>C</u>	PL / M	Sandy Clay Loam			
-										
-										
_		_								
			-		-			-		
-			<u> </u>							
-										
			<u> </u>		-					
	-		_							
			<u> </u>							
ype: C=Co	oncentration, D=De	epletion, RI	M=Reduced Matrix, M	1S=Maske	d Sand G	rains.	² Location: Pl	_=Pore Lini	ng, M=Matrix.	
ydric Soil I	Indicators:						Indica	itors for P	roblematic Hy	ydric Soils³:
_ Histosol	(A1)		Dark Surfac	e (S7)			2	cm Muck (A10) (MLRA 1	47)
_ Histic Ep	oipedon (A2)		Polyvalue B	elow Surfa	ace (S8) (MLRA 147,	148) C	oast Prairie	Redox (A16)	
_ Black His	stic (A3)		Thin Dark S	Surface (S9	9) (MLRA	147, 148)		(MLRA 14	7, 148)	
_ Hydroge	n Sulfide (A4)		Loamy Gley	ed Matrix	(F2)		P	iedmont Flo	oodplain Soils	(F19)
	d Layers (A5)		Depleted M					(MLRA 13		
_ 2 cm Mu	ıck (A10) (LRR N)		Redox Dark	,	,				/ Dark Surface	
	d Below Dark Surfa	ace (A11)	Depleted Da		. ,		0	ther (Expla	in in Remarks)
	ark Surface (A12)		Redox Dep							
-	lucky Mineral (S1)	(LRR N,	Iron-Manga		ses (F12)	(LRR N,				
	A 147, 148)		MLRA 1	•			2			
	Sleyed Matrix (S4)		Umbric Surf						ydrophytic veg	
-	Redox (S5)		Piedmont F					-	logy must be	
	Matrix (S6)		Red Parent	Material (F21) (ML I	RA 127, 147	') unl	ess disturb	ed or problem	atic.
estrictive L	Layer (if observed	l):								
Type:									,	
							Hydric Soil	Present?	Yes 🗸	No
Depth (inc	ches):						•			
	ches):									
	ches):									
	ches):									
	ches):									
	ches):									
	cnes):									
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	cnes):									
	ches):									
Depth (inc	ches):									
	ches):									
	ches):									
	ches):									
	ches):									

Project/Site: Southeast Supply Enhancement Project City	y/County: Pittsylvania County Sampling Date: 2025-02-26
Applicant/Owner: Transcontinental Gas Pipe Line Company,	State: Virginia Sampling Point: DP-395
	ection, Township, Range:
	relief (concave, convex, none): Concave Slope (%): 3-4
	Long:79.577554 Datum: WGS 84
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 per	
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly dis	sturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally proble	
	ampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No Remarks:	Is the Sampled Area within a Wetland? Yes No
Only one (i.e., hydrophytic vegetation) of the data point.	three wetland parameters was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plant	ts (B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide (
	heres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	· · · · · · · · · · · · · · · · · · ·
	ction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface	
Algal Mat or Crust (B4) Other (Explain in F	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	1 A0-Neutral 1031 (D3)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections), if available:
Remarks:	
No hydrology was observed at this data poin	t.

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)		Species?	<u>Status</u>	Number of Dominant Species
·				That Are OBL, FACW, or FAC: $\frac{2}{}$ (A)
·				Total Number of Dominant
				Species Across All Strata: 2 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 100.00 (A/E
i				
				Prevalence Index worksheet:
	:	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 \times 2 = 0$
				FAC species 60 x 3 = 180
				FACU species 15 x 4 = 60
				UPL species $0 \times 5 = 0$
				Column Totals: <u>75</u> (A) <u>240</u> (B)
l <u>. </u>				
				Prevalence Index = $B/A = 3.20$
-				Hydrophytic Vegetation Indicators:
-				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supportin
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r	40	,	EAO	Problematic Hydrophytic Vegetation ¹ (Explain)
Microstegium vimineum	40		FAC	
Verbena urticifolia	20		FAC	¹ Indicators of hydric soil and wetland hydrology must
Lolium perenne	10		FACU	be present, unless disturbed or problematic.
Eupatorium capillifolium	5		FACU	Definitions of Four Vegetation Strata:
i				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o more in diameter at breast height (DBH), regardless o
•				height.
B				
				Sapling/Shrub – Woody plants, excluding vines, less
0				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
1.				,
1	75	- Total Cav		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>37.50</u>		= Total Cov		of size, and woody plants less than 3.26 it tall.
Voody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover.	10.00	Woody vine – All woody vines greater than 3.28 ft in
				height.
;				
l <u>, </u>				Hydrophytic
i				Vegetation
	:	= Total Cov	er	Present? Yes V No No
50% of total cover:	20% of	total cover:		
30 /0 OI total cover.				

	ription: (Describe	to the dep	th needed to docu	ment the	indicator	or confirm	n the absence	of indicators.)	
Depth	Matrix		Redo	x Feature	s				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0 - 3	10YR 4/3	60	7.5YR 5/4	10	С	M	Sandy Clay	-	
0 - 3	10YR 4/4	30					Sandy Clay	Secondary matrix	color
3 - 14	10YR 5/4	50	7.5YR 5/6	20	С	М	Sandy Clay	Fill material with g	ravel
3 - 14	10YR 5/6	30					Sandy Clay	Fill material with gravel. Sec	ondary matrix color
16 - 18	10YR 5/3	80	7.5YR 5/6	20	С	М	Sandy Clay Loam		_
-									
	-	· ——						-	
	-				-				
	-	·				· ——		-	
1							2	-	
	oncentration, D=Dep	letion, RM	=Reduced Matrix, M	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix ators for Problematic H	
Hydric Soil I			David Confee	- (07)					-
Histosol	(A1) pipedon (A2)		Dark Surface Polyvalue Be		co (SS) (N	AI DA 1 <i>1</i> 7		cm Muck (A10) (MLRA oast Prairie Redox (A16	
Black Hi			Thin Dark S				0	(MLRA 147, 148))
	n Sulfide (A4)		Loamy Gley			141, 140,	Р	iedmont Floodplain Soils	s (F19)
	Layers (A5)		Depleted Ma		,			(MLRA 136, 147)	()
	ck (A10) (LRR N)		Redox Dark		- 6)		V	ery Shallow Dark Surfac	e (TF12)
Depleted	d Below Dark Surfac	e (A11)	Depleted Da	rk Surface	e (F7)		0	ther (Explain in Remark	s)
	ark Surface (A12)		Redox Depr						
-	lucky Mineral (S1) (I	_RR N,	Iron-Mangar		es (F12) (LRR N,			
	\ 147, 148)		MLRA 13	•	(34) D.A. 40		3, ,		
	Sleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic ve	-
-	edox (S5) Matrix (S6)		Piedmont FI Red Parent					tland hydrology must be less disturbed or probler	-
	_ayer (if observed):	1	Neu Faieiii	ivialeriai (i	Z1) (WILK	A 127, 14	') uiii	less disturbed or probler	natic.
Type:	Layer (ii observea).								
Depth (inc	shoe):						Hydric Soil	Present? Yes	No 🗸
	<u> </u>						Hyuric 30ii	rieseiit: ies	
Remarks:	ata point tak	en in a	ctive cow na	etura					
	ata point tak	CITIII a	ctive cow pa	istuie					

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-396
Investigator(s):KH, LS Section	ion, Township, Range:
Landform (hillslope, terrace, etc.): Toeslope Local re	lief (concave, convex, none): Concave Slope (%): 1-2
	Long:79.57467663 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No No No No No No No N	Is the Sampled Area within a Wetland? Yes No
Remarks:	
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oc	
Saturation (A3) Oxidized Rhizospher	
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	_ : ::::::::::(:,'
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes V No Depth (inches): 4	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	
Describe recorded bata (stream gauge, monitoring won, acrial priotos, pro	trodo inspectione), il available.
Remarks:	

EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-396
20.4	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4	· 			Percent of Dominant Species
5	· 			That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species 0 x 1 = 0
50% of total cover:	20% 01	total cover:		FACW species 10 x 2 = 20
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 80 x 3 = 240
1				FACU species $\frac{5}{x}$ $x = \frac{20}{x}$
2				UPL species 2 x 5 = 10
3				Column Totals: 97 (A) 290 (B)
4				(3)
5		•		Prevalence Index = B/A = 2.98
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				
9		= Total Cov		✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 /0 01	total cover.		data in Remarks or on a separate sheet)
1. Microstegium vimineum	70	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Juncus effusus	10		FACW	
3. Coreopsis tripteris	5		FAC	¹ Indicators of hydric soil and wetland hydrology must
4 Dichanthelium clandestinum	5		FAC	be present, unless disturbed or problematic.
5. Lonicera japonica	5		FACU	Definitions of Four Vegetation Strata:
6. Melica bulbosa	2		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8.				
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Harb All borbaccous (non woody) plants, regardless
	<u> </u>	= Total Cov	er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 48.50	20% of	total cover:	19.40	
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				
2				
3				
4				Hydrophytic
5	· -			Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	sheet.)			
No trop capling/chrub or woody via	o ctroto	Mora	heer	ad at this data point
No tree, sapling/shrub, or woody vin	ะ รถสเส	were	noel V	eu at tilis uata poliit.

	Matrix	0/		ox Feature:	S1	Loc ²	T 4		D	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	LOC	Texture	-	Remarks	
0 - 3	10YR 4/3	100					Clay Loam			
3 - 9	10YR 5/2	90	7.5YR 5/6	10	С	M	Sandy Clay Loam			
-										
_						· ——		-		
			· -							
-										
_										
_						· ——		-		
	-		· -		-			-		
			· -							
vpe: C=C	oncentration, D=De	epletion, RM	/I=Reduced Matrix, M	S=Masked	Sand Gr	ains.	² Location: P	L=Pore Lini	ng, M=Matrix.	
	Indicators:	<u> </u>	•				Indica	ators for Pr	oblematic Hy	dric Soils ³ :
_ Histosol	(A1)		Dark Surface	e (S7)					A10) (MLRA 1	
	pipedon (A2)		Polyvalue B		ce (S8) (N	/ILRA 147,			Redox (A16)	,
	istic (A3)		Thin Dark S				, <u>—</u>	(MLRA 14		
	en Sulfide (A4)		Loamy Gley			. ,	P		odplain Soils	(F19)
	d Layers (A5)		✓ Depleted Ma		,			(MLRA 13		,
	uck (A10) (LRR N)		Redox Dark		6)		V		Dark Surface	(TF12)
	d Below Dark Surfa	ace (A11)	Depleted Da	ırk Surface	(F7)				in in Remarks)	
_ Thick Da	ark Surface (A12)		Redox Depr	essions (F	3)					
_ Sandy N	Mucky Mineral (S1)	(LRR N,	Iron-Mangar	nese Mass	es (F12) (LRR N,				
MLR/	A 147, 148)		MLRA 13	36)						
_ Sandy C	Gleyed Matrix (S4)		Umbric Surfa	ace (F13) (MLRA 13	86, 122)	³ Ind	icators of hy	drophytic veg	etation and
_ Sandy F	Redox (S5)		Piedmont FI	oodplain S	oils (F19)	(MLRA 14	18) we	tland hydro	logy must be p	resent,
_ Stripped	d Matrix (S6)		Red Parent	Material (F	21) (MLR	A 127, 147	7) un	less disturb	ed or problema	atic.
	Layer (if observed	i):								
Type: Gr	ravel									
1 y p c .							Hydric Soil	Present?	Yes 🗸	No
	ches): 9+						1 -			
Depth (in	ches): 9+									
Depth (in	ches): <u>9+</u>									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): <u>9+</u>									
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Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									
Depth (in	ches): 9+									

sylvania Sampling Date: 2025-02-25
State: Virginia Sampling Point: DP-397
o, Range:
convex, none): Concave Slope (%): 2-3
Long:79.5747653 Datum: WGS 84
verely eroded NWI classification: N/A
No (If no, explain in Remarks.)
Are "Normal Circumstances" present? Yes No
(If needed, explain any answers in Remarks.)
nt locations, transects, important features, etc.
etland? Yes _v No
hydrophytic vegetation, and hydric
Secondary Indicators (minimum of two required)
Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Roots (C3) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Wetland Hydrology Present? Yes No
tions), if available:

VEGETATION (Four Strata

204	Absolute	Dominant		Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species
Carpinus caroliniana	40		FAC	That Are OBL, FACW, or FAC: 3 (A)
Liriodendron tulipifera	_ 15		FACU	Total Number of Dominant
Acer rubrum	10		FAC	Species Across All Strata: 4 (B)
Liquidambar styraciflua	5		FAC	Percent of Dominant Species
				That Are OBL, FACW, or FAC: 75.00 (A/B)
				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 35.0	0 20% of	f total cover:	14.00	OBL species $0 \times 1 = 0$
pling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$
Lindera benzoin	20		FAC	FAC species $80 x 3 = 240$
				FACU species 15 x 4 = 60
				UPL species $0 \times 5 = 0$
				Column Totals: <u>95</u> (A) <u>300</u> (B)
				Prevalence Index = B/A = 3.15
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
	20	= Total Cov		3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting
	_	<u> </u>		Problematic Hydrophytic Vegetation¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
	_	·		
				be present, unless disturbed or problematic. Definitions of Four Vegetation Strata:
				be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
		- <u></u>		be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less
				be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
				be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less
				be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
		= Total Cov		be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: body Vine Stratum (Plot size: 30 ft r) Vitis rotundifolia		= Total Cov f total cover:	er FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
		= Total Cov	er FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: body Vine Stratum (Plot size: 30 ft r) Vitis rotundifolia	20% of 5	= Total Cov	er F <u>AC</u>	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: oody Vine Stratum (Plot size: 30 ft r) Vitis rotundifolia	20% of 5	= Total Cov	er F <u>AC</u>	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: 500dy Vine Stratum (Plot size: 30 ft r) Vitis rotundifolia	20% of	= Total Cover:	er F <u>AC</u>	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
50% of total cover: oody Vine Stratum (Plot size: 30 ft r) Vitis rotundifolia	5 5	= Total Cover:	FAC	be present, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.

SOIL Sampling Point: DP-397

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature:	S			-
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 4/2	95	7.5YR 4/4	5	<u>C</u>	M	Clay Loam	
4 - 7	10YR 5/2	100					Clay Loam	
7 - 18	10YR 5/2	85	7.5YR 5/6	15	С	М	Sandy Clay Loam	
	1011(0/2		7.011(0)0		<u> </u>			
-								
					-			
¹Type: C=Cc	ncentration D=Den	letion RM	=Reduced Matrix, MS	S=Masked	Sand Gr	aine	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I		icuon, ixivi	-reduced Matrix, Mc	J-IVIASKEC	i Sand Oi	airis.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(97)				cm Muck (A10) (MLRA 147)
	ipedon (A2)		Polyvalue Be		ce (S8) (N	/II RΔ 147		Coast Prairie Redox (A16)
Black His			Thin Dark Su				((MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			141, 140)	F	Piedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma	,)		<u> </u>	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		6)		V	/ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dai					Other (Explain in Remarks)
	rk Surface (A12)	,	Redox Depre					,
	ucky Mineral (S1) (L	.RR N,	Iron-Mangan			LRR N,		
	147, 148)		MLRA 13					
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (MLRA 13	6, 122)	³ Inc	licators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	48) we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 14	7) un	lless disturbed or problematic.
Restrictive L	.ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes V No No
Remarks:	, -							

Project/Site: Southeast Supply Enhancement Project City/County: Pittsylvania	Sampling Date: 2025-02-25					
, ; ,	e: Virginia Sampling Point: DP-398					
Investigator(s):KH, LS Section, Township, Range:						
Landform (hillslope, terrace, etc.): Berm Local relief (concave, convex, none): Co						
Subregion (LRR or MLRA): P 136 Lat: 36.5991122 Long: -79.57466697 Datum: WGS 84						
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent slopes, severely eroded N	WI classification: R5UBH					
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, e	explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circum	mstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain						
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, tr						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes No No V Is the Sampled Area within a Wetland?	Yes No <u> </u>					
Remarks:						
Only one (i.e., hydrophytic vegetation) of the three wetland param data point.	leters was satisfied at this					
HYDROLOGY						
	ndary Indicators (minimum of two required)					
	urface Soil Cracks (B6)					
	parsely Vegetated Concave Surface (B8)					
	rainage Patterns (B10)					
	loss Trim Lines (B16)					
<u> </u>	ry-Season Water Table (C2) rayfish Burrows (C8)					
	aturation Visible on Aerial Imagery (C9)					
	tunted or Stressed Plants (D1)					
	Geomorphic Position (D2)					
<u> </u>	hallow Aquitard (D3)					
	licrotopographic Relief (D4)					
	AC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
	ogy Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
No hydrology was observed at this data point.						

۷E

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
Liriodendron tulipifera	50		FACU	That Are OBL, FACW, or FAC: 4 (A)
Carpinus caroliniana	10		FAC	Total Number of Dominant
_{i.} Ulmus alata	10		FACU	Species Across All Strata: 7 (B)
			· ·	
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 57.14 (A/B)
)				That Are OBE, I ACW, OF I AC.
·				Prevalence Index worksheet:
•	70	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: <u>35.00</u>				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total cover.		FACW species 0 x 2 = 0
Lindera benzoin	15	~	FAC	FAC species 55 x 3 = 165
·			1 70	FACU species 70
				UPL species 0 x 5 = 0
i				
<u> </u>				Column Totals: <u>125</u> (A) <u>445</u> (B)
i				Prevalence Index = B/A = 3.56
)				
·				Hydrophytic Vegetation Indicators:
<u> </u>				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50% ———————————————————————————————————
	15	= Total Cov		3 - Prevalence Index is ≤3.0¹
50% of total cover: 7.50		total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 70 01	10101 00101.		data in Remarks or on a separate sheet)
Microstegium vimineum	15	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Lindera benzoin	5		FAC	
Lonicera japonica	5		FACU	¹ Indicators of hydric soil and wetland hydrology must
Allium vineale	5		FACU	be present, unless disturbed or problematic.
, Allium vineale			1 700	Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
)				more in diameter at breast height (DBH), regardless of
,				height.
3				Sanling/Shrub Woody plants evaluding vines loss
)				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
0				m) tall.
1				Howk All books are used to be a senselled
	30	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 15.00				or ones, and mosely plante loss than ones it talk
Noody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in
Vitis rotundifolia	10	~	FAC	height.
·	-		· <u></u>	
2.				
3				
l				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes _ No
50% of total cover: 5.00		total cover:	2 00	1

/inaha-\	Matrix	%	Redox Features Color (moist) % Type ¹ Loc ²	Tour	Donasalas
(<u>inches)</u> 0 - 5	Color (moist) 10YR 4/4		Color (moist) % Type ¹ Loc ²		Remarks
	-	100		Loam	
5 - 18	10YR 5/4	100		Silt Loam	
-					
-					
	-				-
-					
-					
		<u> </u>			
		 -			
	-				
		epletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: Pl	L=Pore Lining, M=Matrix.
dric Soil I	Indicators:			Indica	ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 14		oast Prairie Redox (A16)
_ Black Hi			Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)	P	iedmont Floodplain Soils (F19)
	d Layers (A5) ick (A10) (LRR N)		Depleted Matrix (F3)	\ <u>/</u>	(MLRA 136, 147)
	d Below Dark Surfa	ace (A11)	Redox Dark Surface (F6)Depleted Dark Surface (F7)		ery Shallow Dark Surface (TF12) hther (Explain in Remarks)
	ark Surface (A12)	acc (ATT)	Redox Depressions (F8)		and (Explain in Kemarks)
	lucky Mineral (S1)	(LRR N.	Iron-Manganese Masses (F12) (LRR N,		
	\ 147, 148)	(MLRA 136)		
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)	³ Indi	icators of hydrophytic vegetation and
	tedox (S5)		Piedmont Floodplain Soils (F19) (MLRA	1 48) we	tland hydrology must be present,
_ Stripped	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 1	47) unl	less disturbed or problematic.
estrictive l	_ayer (if observed	d):			
Type:			<u></u>		
Type:				111-1-0-1	Present? Yes No 🗸
	ches):		<u></u>	Hydric Soil	Present? Yes No
Depth (inc	ches):		_	Hydric Soil	Present? res No
Depth (inc	ches):		_	Hydric Soil	Present? Tes NO
Depth (inc	ches):			Hydric Soil	Present? Tes No
Depth (inc	ches):			Hydric Soil	Present? Tes No
Depth (inc	ches):			Hydric Soil	Present? Tes No
Depth (inc	ches):			Hydric Soil	Present? Tes No
Depth (inc	ches):			Hydric Soil	Present? Tes NO
Depth (inc	ches):			Hydric Soil	Present? Tes NO
Depth (inc	ches):			Hydric Soil	Present? Tes NO
Depth (inc	ches):			Hydric Soil	Present? Tes NO
Depth (inc	ches):			Hydric Soil	Present? Tes No
Depth (inc	ches):			Hydric Soil	Present? Tes No
Depth (inc	ches):			Hydric Soli	Present? Tes No
Depth (inc	ches):			Hydric Soli	Present? Tes No
Depth (inc	ches):			Hydric Soli	Present? Tes No
Depth (inc	ches):			Hydric Soli	Present? Tes No
	ches):			Hydric Soli	Present? Tes No
Depth (inc	ches):			Hydric Soli	Present? Tes No
Depth (inc	ches):			Hydric Soli	Present? Tes NO
Depth (inc	ches):			Hydric Soli	Present? Tes NO
Depth (inc	ches):			Hydric Soli	Present? resNO
Depth (inc	ches):			Hydric Soli	Present? res No
Depth (inc	ches):			Hydric Soli	Present? res No

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania Sampling Date: 2025-02-25					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-399					
Investigator(s):KH, LS Section	n, Township, Range:					
Landform (hillslope, terrace, etc.): Swale Local relie						
	Long: -79.56824752 Datum: WGS 84					
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	s No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed	ed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problemat						
SUMMARY OF FINDINGS – Attach site map showing samp						
Ludrio Coil Drogont?	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e., wetland hydr soils) were satisfied at this data point.	ology, hydrophytic vegetation, and hydric					
HYDROLOGY						
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B High Water Table (A2) Hydrogen Sulfide Odor Saturation (A3) Oxidized Rhizospheres Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C7 Algal Mat or Crust (B4) Other (Explain in Remains) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev						
Remarks:						

% Cover	= Total Cov total cover:	Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 66.66 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 12 x 1 = 12 FACW species 15 x 2 = 30
= 20% of	= Total Cov total cover:		That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 66.66 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: X 1 = 12
= = 20% of	= Total Cov total cover:	 er	Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: OBL species 12 (B) Multiply by: X 1 = 12
= = 20% of	= Total Cov total cover:	 er	Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 66.66 (A/B) Prevalence Index worksheet:
= 20% of	= Total Cov total cover:	 er	Species Across All Strata: 3 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 66.66 (A/B) Prevalence Index worksheet:
= 20% of	Total Cov	 er	That Are OBL, FACW, or FAC: 66.66 (A/B) Prevalence Index worksheet:
= 20% of	Total Cov	 er	That Are OBL, FACW, or FAC: 66.66 (A/B) Prevalence Index worksheet:
= 20% of	Total Cov		Prevalence Index worksheet:
= 20% of	Total Cov total cover:		Total % Cover of: Multiply by: OBL species 12 x 1 = 12
= 20% of	Total Cover:		OBL species 12 x 1 = 12
20% of	total cover:		
			$FACW$ species 15 $v_2 = 30$
			FAC species 50 $x 3 = 150$
			FACU species 18 x 4 = 72
			UPL species 0 x 5 = 0
			Column Totals: 95 (A) 264 (B)
			Prevalence Index = B/A = 2.77
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			✓ 2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0¹
			4 - Morphological Adaptations ¹ (Provide supporting
20% of	total cover:		data in Remarks or on a separate sheet)
25	./	EΔC	Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
			more in diameter at breast height (DBH), regardless of
			height.
			Sapling/Shrub – Woody plants, excluding vines, less
3		FACU	than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Herb – All herbaceous (non-woody) plants, regardless
95 =	Total Cov	er	of size, and woody plants less than 3.28 ft tall.
20% of	total cover:	19.00	Weedy vine All woody vines greater than 2.39 ft in
			Woody vine – All woody vines greater than 3.28 ft in height.
			Hydrophytic Vegetation
			Present? Yes V No No
est.) strata	were o	bserv	ed at this data point.
	= 20% of 25 15 10 10 7 5 5 3 = 20% of = 20% of eet.)	= Total Cov 20% of total cover: 25	= Total Cover20% of total cover:

(inches)	Matrix Color (moist)	%	Red Color (moist)	ox Feature %	es Type ¹	Loc ²	Texture	Remarks	
inches) 0 - 2	10YR 4/2		7.5YR 4/4		C Type	M	Loam	Remarks	
	-		-						
2 - 10	10YR 4/2	70	7.5YR 5/6	30	<u>C</u>	_ <u>M</u>	Clay Loam		
-	-								
-									
-				-					
			-						
-	-								
-									
_				-					
	-		_		-				
		epletion, RN	M=Reduced Matrix, M	/IS=Maske	d Sand G	rains.	² Location: PL	=Pore Lining, M=Matrix.	-
/dric Soil I	ndicators:						Indica	ors for Problematic Hydric	: Soils
_ Histosol			Dark Surfac					cm Muck (A10) (MLRA 147)	
	pipedon (A2)		Polyvalue B					past Prairie Redox (A16)	
_ Black His			Thin Dark S			147, 148)		(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gley		(F2)			edmont Floodplain Soils (F19	9)
	Layers (A5)		✓ Depleted M Redox Dark		T6)			(MLRA 136, 147)	-10\
	ick (A10) (LRR N) d Below Dark Surfa	oce (Δ11)	Redox Dark	,	,			ry Shallow Dark Surface (TF her (Explain in Remarks)	12)
	ark Surface (A12)	ice (ATT)	Redox Depi		. ,		0.	nei (Explain in Nemarks)	
	lucky Mineral (S1)	(LRR N.	Iron-Manga			(LRR N.			
	147, 148)	(=::::,	MLRA 1) (i 12)	(=:::::,			
	Bleyed Matrix (S4)		Umbric Surf	-	(MLRA 1	36, 122)	³ India	cators of hydrophytic vegetat	ion and
	ledox (S5)		Piedmont F					and hydrology must be pres	
Stripped	Matrix (S6)		Red Parent	Material (=21) (ML	RA 127, 147	7) unle	ess disturbed or problematic.	
	ayer (if observed	l):							
Type: Gra	avel								
_	ches): 10+						Hydric Soil I	Present? Yes 🗸 🖊	lo
Depth (inc	JIIC3)						1 -		
	Siles)								
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Depth (inc	. <u> </u>								
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Project/Site: Southeast Sup	ply Enhanceme	nt Project City/C	County: Pittsylvania		Sampling Date: 2025-02-25		
Applicant/Owner: Transcontin					Sampling Point: DP-400		
Investigator(s):KH, LS		Section	on, Township, Range:				
Landform (hillslope, terrace, etc.)							
Subregion (LRR or MLRA): P 13							
Soil Map Unit Name: 21D - Po							
Are climatic / hydrologic condition	ns on the site typical	for this time of year? Y	′es No	(If no, explain in Re	marks.)		
Are Vegetation, Soil	, or Hydrology	significantly distur	bed? Are "Norma	I Circumstances" pre	esent? Yes V No No		
Are Vegetation, Soil							
SUMMARY OF FINDING							
Lludraphytic Vacatation Dragon	t2 Yes ✔	No					
Hydrophytic Vegetation Present Hydric Soil Present?	Yes 🗸	No No	Is the Sampled Area	V22 4	No		
Wetland Hydrology Present?	Yes 🗸	No	within a Wetland?	Yes _	No		
Remarks:							
soils) were satisfied	at this data	point.					
HYDROLOGY							
Wetland Hydrology Indicators					ors (minimum of two required)		
Primary Indicators (minimum of	•		(7.14)	Surface Soil C			
Surface Water (A1)		_ True Aquatic Plants (etated Concave Surface (B8)		
✓ High Water Table (A2)✓ Saturation (A3)		_ Hydrogen Sulfide Od	es on Living Roots (C3)	Drainage Patte			
Water Marks (B1)		_ Presence of Reduced	=		ater Table (C2)		
Sediment Deposits (B2)		Recent Iron Reduction		Crayfish Burro			
Drift Deposits (B3)	_	Thin Muck Surface (0			ble on Aerial Imagery (C9)		
Algal Mat or Crust (B4)	_	_ Other (Explain in Rer			essed Plants (D1)		
Iron Deposits (B5)				Geomorphic P	osition (D2)		
Inundation Visible on Aeria	l Imagery (B7)			Shallow Aquita	ard (D3)		
Water-Stained Leaves (B9))			Microtopographic Relief (D4)			
Aquatic Fauna (B13)				FAC-Neutral T	est (D5)		
Field Observations:		5 " "					
		Depth (inches):					
		Depth (inches): 1 Depth (inches): 0		Hydrology Present	. V V . N.		
Saturation Present? (includes capillary fringe)	Yes Yes No	Depth (inches):	wetland F	Hydrology Present	? Yes No		
Describe Recorded Data (stream	m gauge, monitoring	well, aerial photos, pre	evious inspections), if ava	ailable:			
Remarks:							
ricinario.							

VEGETATION (Four Strata) – Use scientific names of plants

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-400
7. 0. 1. (D. 1.) 20 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r	% Cover 60	Species? ✓	<u>Status</u> FAC	Number of Dominant Species
1. Acer rubrum 2. Liriodendron tulipifera	15		FACU	That Are OBL, FACW, or FAC: 4 (A)
2. Liquidambar styraciflua	10		FAC	Total Number of Dominant
·	10		FAC	Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 80.00 (A/B)
6				Prevalence Index worksheet:
7	0.5			Total % Cover of: Multiply by:
500/ 51 1 1 42 50		= Total Cov		OBL species $\frac{5}{}$ $\times 1 = \frac{5}{}$
50% of total cover: <u>42.50</u>	20% of	total cover:	17.00	FACW species $0 \times 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r 1. Acer rubrum	20	~	FAC	FAC species 110 x 3 = 330
	5		FACU	FACU species 20
2. Quercus alba			FACO	UPL species 0 x 5 = 0
3				Column Totals: 135 (A) 415 (B)
4				Column Totals. 100 (A) 110 (B)
5				Prevalence Index = $B/A = 3.07$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9	05			3 - Prevalence Index is ≤3.0 ¹
700/ 6/ / 12 50		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>12.50</u>	20% of	total cover:	3.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	20	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Smilax rotundifolia 2. Carex lurida	5		OBL	
				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
700/ 51 / 10 70		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 12.50	20% of	total cover:	3.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
F00/ - f1+1-1		= Total Cov		riesent: res NO
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate sl	neet.)			
No woody vine stratum was observed	d at thi	s data r	oint.	
		•		

Profile Desc	ription: (Describe	to the de	oth needed to docun	nent the	indicator	or confirm	the absence	of indicators.)	
Depth	Matrix		Redox	k Feature	es.				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0 - 3	10YR 2/2	100					Sandy Loam	High organic matter	
3 - 11	10YR 4/2	70	7.5YR 5/6	30	C	PL / M	Clay Loam		
11 - 18	10YR 4/2	60	7.5YR 5/6	40	С	PL / M	Sandy Clay		
	_								
		_ (
		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.	
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :	
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)	
	pipedon (A2)		Polyvalue Be	. ,	ace (S8) (N	/ILRA 147.		Coast Prairie Redox (A16)	
Black His			Thin Dark Su					(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gleye			147, 140,	D	Piedmont Floodplain Soils (F19)	
			<u>✓</u> Depleted Mat		(1 2)				
	Layers (A5)				-0)			(MLRA 136, 147)	
	ck (A10) (LRR N)		Redox Dark S	•	,			ery Shallow Dark Surface (TF12)	
	Below Dark Surfac	e (A11)	Depleted Dar				C	Other (Explain in Remarks)	
	rk Surface (A12)		Redox Depre						
-	lucky Mineral (S1) (I	LRR N,	Iron-Mangane		ses (F12) (LRR N,			
	147, 148)		MLRA 136						
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 13	36, 122)	³ Ind	licators of hydrophytic vegetation and	
Sandy R	edox (S5)		Piedmont Flo	odplain S	Soils (F19)	(MLRA 14	wetland hydrology must be present,		
Stripped	Matrix (S6)		Red Parent M	1aterial (F	21) (MLR	A 127, 147	7) un	less disturbed or problematic.	
	ayer (if observed)	:				-		·	
Type:								,	
	ches):						Hydric Soil	Present? Yes No	
Remarks:									

Project/Site: Southeast Supply Enhancement Project City/Cou	nty: Pittsylvania Sampling Date: 2025-02-25					
	State: Virginia Sampling Point: DP-401					
Investigator(s):KH, LS Section,						
Landform (hillslope, terrace, etc.): Berm Local relief (concave, convex, none): Convex Slope (%): 3-5						
Subregion (LRR or MLRA): P 136 Lat: 36.60656041 Long: -79.56831817 Datum: WGS 84						
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed	d? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problematic	? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing samp	ling point locations, transects, important features, etc.					
Ludria Cail Draggart?	s the Sampled Area vithin a Wetland? Yes No					
Only one (i.e., hydrophytic vegetation) of the three wetland parameters was satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B1	4) Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2) Hydrogen Sulfide Odor						
Saturation (A3) Oxidized Rhizospheres						
Water Marks (B1) Presence of Reduced In						
Sediment Deposits (B2) Recent Iron Reduction in						
Drift Deposits (B3) Thin Muck Surface (C7)						
Algal Mat or Crust (B4) Other (Explain in Remar						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previo	us inspections), if available:					
Remarks:						
No hydrology was observed at this data point.						
The fry droingy was observed at this data point.						

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-401
20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species
1_ Liquidambar styraciflua	50		FAC	That Are OBL, FACW, or FAC: 3 (A)
2. Acer rubrum	40		FAC	Total Number of Dominant
3				Species Across All Strata: 4 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 75.00 (A/B)
6		-		Prevalence Index worksheet:
7		-		Total % Cover of: Multiply by:
AF 00		= Total Cov		OBL species $0 \times 1 = 0$
50% of total cover: 45.00	20% of	total cover	10.00	FACW species $0 \times 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 120 x 3 = 360
1			·	FACU species 10
2				
3				100
4				Column Totals: 130 (A) 400 (B)
5				Prevalence Index = $B/A = 3.07$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8			·	✓ 2 - Dominance Test is >50%
9			·	3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:	:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	20		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Smilax rotundifolia	30 10		FAC FACU	<u> </u>
2. Lonicera japonica			FACU	¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
700/ 54 / 1 20 00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 20.00	20% of	total cover	8.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1		-		
2		-		
3			·	
4			·	Hydrophytic
5				Vegetation Present? Yes ✓ No
		= Total Cov		Present? Yes V No No
50% of total cover:		total cover	<u> </u>	
Remarks: (Include photo numbers here or on a separate si	neet.)			
No sapling/shrub or woody vine strat	a were	observ	ed at	this data point.
				•

SOIL Sampling Point: DP-401

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 11	10YR 4/3	100					Loam	high mica content
11 - 18	10YR 5/3	80	7.5YR 5/6	20	С	М	Sandy Clay Loam	
				-				
			·		·			-
					-			
-								
		· ——						
	-							
1Type: C=C	ncentration D=Den	letion PM	=Reduced Matrix, MS	S=Masker	d Sand Gr	nine	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I		ietion, rawi	-Neduced Matrix, Mc	3-IVIASKE	u Sanu Gr	aii 15.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(97)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		nce (S8) (N	II RA 1 <i>4</i> 7		Coast Prairie Redox (A16)
Black Hi			Tolyvalde Be				((MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			47, 140)	F	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mar		(1 2)		— '	(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark		- 6)		V	/ery Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar					Other (Explain in Remarks)
	ark Surface (A12)	, ,	Redox Depre					,
	lucky Mineral (S1) (L	RR N,	Iron-Mangan			LRR N,		
-	A 147, 148)		MLRA 13		, , ,			
	Bleyed Matrix (S4)		Umbric Surfa		(MLRA 13	6, 122)	³ Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 14	7) un	lless disturbed or problematic.
Restrictive I	_ayer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No 🗸
Remarks:							11,411.10 001.	
Remarks.								

Project/Site: Southeast Supply Enhancement Project City.	/County: Pittsylvania County Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-402
Investigator(s):KH, LS Sec	tion, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local re	
	Long: -79.567490 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percen	
Are climatic / hydrologic conditions on the site typical for this time of year?	
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally probler	
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide C	
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduc	
Sediment Deposits (B2) Recent Iron Reduct	
Drift Deposits (B3) Thin Muck Surface	
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Silaliow Aquitaru (DS) Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	1710 110dddd 1900 (20)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	
Describe Recorded Data (Stream gauge, monitoring well, aerial priotos, p	revious inspections), ii available.
Remarks:	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r		Species?		
Liquidambar styraciflua	70		FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
·				Total Number of Dominant Species Across All Strata: 5 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 80.00 (A/B
·				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: <u>35.00</u>	20% of	total cover:	14.00	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{0}{105}$ x 2 = $\frac{0}{245}$
Acer rubrum	20		FAC	FAC species $\frac{105}{17}$ x 3 = $\frac{315}{17}$
Liquidambar styraciflua	10		FAC	FACU species $\frac{17}{2}$ $\times 4 = \frac{68}{2}$
Juniperus virginiana	5		FACU	UPL species $\frac{0}{100}$ x 5 = $\frac{0}{200}$
Ligustrum sinense	5		FACU	Column Totals: <u>122</u> (A) <u>383</u> (B)
·				Prevalence Index = B/A = 3.13
)				Hydrophytic Vegetation Indicators:
·				1 - Rapid Test for Hydrophytic Vegetation
J				✓ 2 - Dominance Test is >50%
)	40			3 - Prevalence Index is ≤3.0 ¹
500/ - Statel 20 00		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 20.00	20% of	total cover:	0.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r) Smilax rotundifolia	5	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Tipularia discolor	5		FACU	
Lonicera japonica	2		FACU	¹ Indicators of hydric soil and wetland hydrology must
l	-			be present, unless disturbed or problematic.
5			-	Definitions of Four Vegetation Strata:
3				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
3.	-			noight.
).	-			Sapling/Shrub – Woody plants, excluding vines, less
10	-		-	than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11.				Have All harbassaus (non woody) plants, regardless
	12	= Total Cov	er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 6.00 Voody Vine Stratum (Plot size: 30 ft r)	20% of	total cover:	2.40	Woody vine – All woody vines greater than 3.28 ft in height.
·				neight.
2.				
3			-	
1.			-	1
5.				Hydrophytic Vegetation
		= Total Cov		Present? Yes No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
lo woody vine stratum was observe	d at thi	e data r	oint	
to woody ville stratum was observed	a at till	s uata p	Jonit.	

Profile Desc	ription: (Describe	to the de	pth needed to docun	nent the	indicator	or confirm	the absence	of indicators.)	
Depth	Matrix		Redo	x Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	F	Remarks
0 - 4	7.5YR 4/6	100					Silt Loam		
4 - 12	10YR 5/2	80	7.5YR 5/6	20	С	PL / M	Silty Clay		
12 - 18	10YR 5/2	95	7.5YR 5/6	5	С	PL / M	Silty Clay Loam		
-			·		-				
				-					
					· ·				
	-		·						-
	-	-			· ·				
		_							
					· ·				
1- 0.0							2, ,, 5,		
'Type: C=Co		oletion, RM	1=Reduced Matrix, MS	S=Maske	d Sand Gi	ains.		.=Pore Lining, N	M=Matrix. ematic Hydric Soils³:
-			Davis Courtage	(07)					-
Histosol			Dark Surface		200 (SS) (I	MI DA 147		cm Muck (A10)	
	oipedon (A2)		Polyvalue Be					oast Prairie Red	
Black His			Thin Dark Su			147, 148)		(MLRA 147, 14	•
	n Sulfide (A4)		Loamy Gleye		(F2)				lain Soils (F19)
	l Layers (A5)		<u>✓</u> Depleted Ma					(MLRA 136, 14	
	ck (A10) (LRR N)		Redox Dark S	•					rk Surface (TF12)
	d Below Dark Surfac	ce (A11)	Depleted Dar				Ot	ther (Explain in	Remarks)
	ark Surface (A12)		Redox Depre						
Sandy M	lucky Mineral (S1) (LRR N,	Iron-Mangan	ese Mass	ses (F12)	(LRR N,			
MLRA	\ 147, 148)		MLRA 13	6)					
Sandy G	lleyed Matrix (S4)		Umbric Surfa	ice (F13)	(MLRA 1	36, 122)	³ Indi	cators of hydrop	phytic vegetation and
	edox (S5)		Piedmont Flo				8) wet	land hydrology	must be present,
	Matrix (S6)		Red Parent N					ess disturbed or	
	_ayer (if observed)) :			, ,		1		
Type:									
Depth (inc	ches):						Hydric Soil	Present? Ye	es <u>/</u> No
Remarks:							1		

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-403
Investigator(s):KH, LS Section	ion, Township, Range:
Landform (hillslope, terrace, etc.): Toeslope Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.61387881	
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
	irbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problen	
	mpling point locations, transects, important features, etc.
Voc. A No.	, <u>, , , , , , , , , , , , , , , , , , </u>
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No No	Is the Sampled Area
Hydric Soil Present? Yes ✓ No Wetland Hydrology Present? Yes ✓ No	within a Wetland? Yes No
Remarks:	1
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O	
	res on Living Roots (C3) Moss Trim Lines (B16) ed Iron (C4) Dry-Season Water Table (C2)
Water Marks (B1) Presence of Reduce Sediment Deposits (B2) Recent Iron Reducti	on in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes V No Depth (inches): 8	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
	, ,
Remarks:	

20 (1	Absolute	Dominant		Dominance Test worksheet:
Free Stratum (Plot size: 30 ft r	% Cover	Species?	Status	Number of Dominant Species
_ Quercus rubra	40		FACU	That Are OBL, FACW, or FAC: 5 (A)
Liquidambar styraciflua	30	✓	FAC	T. (1)
				Total Number of Dominant Species Across All Strata: 6 (B)
				Species Acioss Ali Stiata.
l				Percent of Dominant Species
)				That Are OBL, FACW, or FAC: 83.33 (A/B
i				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: <u>35.00</u>	20% of	total cover:	14.00	OBL species $\frac{2}{2}$ $x = \frac{2}{2}$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species <u>3</u> x 2 = <u>6</u>
Carpinus caroliniana	20	~	FAC	FAC species 95 x 3 = 285
Liquidambar styraciflua	10		FAC	FACU species 40 x 4 = 160
				UPL species $0 \times 5 = 0$
J				Column Totals: 140 (A) 453 (B)
l				Column rotals (A) (B)
5				Prevalence Index = B/A = 3.23
S				Hydrophytic Vegetation Indicators:
7				
3				1 - Rapid Test for Hydrophytic Vegetation
).				✓ 2 - Dominance Test is >50%
	30	T-4-1 O		3 - Prevalence Index is ≤3.0 ¹
500/ of total account 15 00		= Total Cov		4 - Morphological Adaptations (Provide supporting
50% of total cover: 15.00	20% of	total cover:	0.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	00		E40	Problematic Hydrophytic Vegetation ¹ (Explain)
Microstegium vimineum	20		FAC	1 Toblematio Trydrophytio Vegetation (Explain)
Liquidambar styraciflua	10		FAC	1
3. Arthraxon hispidus	5		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Juncus effusus	3		FACW	
Carex lurida	2		OBL	Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
5 7				
				more in diameter at breast height (DBH), regardless of height.
3				more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less
7				more in diameter at breast height (DBH), regardless of height.
7. 3. 0				more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
7. 3. 0				more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
7. 3. 	40	= Total Cov		more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
7	40	= Total Cov		more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 20.00 Noody Vine Stratum (Plot size: 30 ft r)	40 20% of	= Total Cov total cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 20.00 Noody Vine Stratum (Plot size: 30 ft r)	40 20% of	= Total Cov total cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: 20.00 Voody Vine Stratum (Plot size: 30 ft r)	40 20% of	= Total Cov total cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
50% of total cover: 20.00 Voody Vine Stratum (Plot size: 30 ft r)	40 20% of	= Total Cov total cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
7	40 20% of	= Total Cov total cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
7	40 20% of	= Total Cov total cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
7	40 20% of	= Total Cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation
7	40 20% of	= Total Cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.
7	40 20% of	= Total Cover:	8.00	more in diameter at breast height (DBH), regardless of height. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation

SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 2/2	100			. <u> </u>		Loam	
4 - 13	10YR 4/2	80	7.5YR 4/6	20	С	PL / M	Sandy Loam	
13 - 18	10YR 4/2	70	7.5YR 5/8	10	С	PL / M	Sandy Clay	
13 - 18	10YR 3/2	20					Sandy Clay	Secondary matrix color
					· <u></u>			
					· <u></u>			
		letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	ipedon (A2)		Polyvalue Be	low Surfa	ice (S8) (I	MLRA 147,	148) C	coast Prairie Redox (A16)
Black Hi			Thin Dark Su		. , .		· —	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			, ,	Р	iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		(. –)		 ·	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		=6)		1/	ery Shallow Dark Surface (TF12)
	Below Dark Surface	o (A11)	Depleted Dai					other (Explain in Remarks)
	rk Surface (A12)	E (A11)	Redox Depre		. ,		0	The (Explain in Remarks)
		DD N				(LDD N		
	lucky Mineral (S1) (L	LKK N,	Iron-Mangan		ses (F12) (LKK N,		
	147, 148)		MLRA 13				3	
	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					tland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (ML R	RA 127, 147	7) uni	less disturbed or problematic.
Restrictive L	.ayer (if observed):							
Type:			<u></u>					
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/County	Pittsylvania Sampling Date: 2025-02-25
	State: Virginia Sampling Point: DP-404
Investigator(s):KH, LS Section, To	wnship, Range:
Landform (hillslope, terrace, etc.): Hillslope Local relief (co	ncave, convex, none): Concave Slope (%): 5-6
Subregion (LRR or MLRA): P 136 Lat: 36.61390424	
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 pe	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampling	
Hydric Soil Present? Yes No with	e Sampled Area in a Wetland? Yes No _ No _
Wetland Hydrology Present? Yes No 🗸	
Only one (i.e., hydrophytic vegetation) of the three data point.	wetianu parameters was satished at tilis
HYDROLOGY Western Hydrology Indicators	Coordon Indicators (raining up of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1 Saturation (A3) Oxidized Rhizospheres on	
Oxidized Knizospheres on l	
Sediment Deposits (B2) Recent Iron Reduction in Ti	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks)	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	inspections), if available:
Remarks:	
No hydrology was observed at this data point.	

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-404
20 #	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species
1. Quercus alba	60		FACU	That Are OBL, FACW, or FAC: 4 (A)
2. Liriodendron tulipifera	15		FACU	Total Number of Dominant
3. Diospyros virginiana	10		FAC	Species Across All Strata: 6 (B)
4	-			Percent of Dominant Species
5	-			That Are OBL, FACW, or FAC: 66.66 (A/B)
6	-			Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
40.50		= Total Cov		OBL species 0 $x 1 = 0$
50% of total cover: 42.50	20% of	total cover:	17.00	FACW species 0 x 2 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	E		E40	
1. Acer rubrum	5		FAC	000
2. Diospyros virginiana			FAC	
3				
4				Column Totals: <u>110</u> (A) <u>410</u> (B)
5				Prevalence Index = $B/A = 3.72$
6				Hydrophytic Vegetation Indicators:
7	-			1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>5.00</u>	20% of	total cover:	2.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	_	,	FACIL	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Juniperus virginiana	5		FACU	
2. Smilax rotundifolia	5		FAC	¹ Indicators of hydric soil and wetland hydrology must
3. Vitis rotundifolia			FAC	be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7	-			height.
8	-			Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 7.50	20% of	total cover:	3.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5	-			Vegetation
		= Total Cov		Present? Yes Vo No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No woody vine stratum was observed	d at thi	s data r	ooint	
15 11 5 Gay Time Stratum Was observed		- 4414	J	

Depth	Matrix		Redox Features		
inches)	Color (moist)		Color (moist) % Type ¹ Loc ²	<u>Texture</u>	Remarks
0 - 2	10YR 2/1	100		Loam	
2 - 4	10YR 4/3	100		Silt Loam	
4 - 11	10YR 5/6	100		Silt Loam	
11 - 18	7.5YR 5/8	100		Silty Clay	
-					
_					
					
				·	
-				·	
-					
ype: C=C	concentration, D=De	epletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: PL	=Pore Lining, M=Matrix.
	Indicators:		·	Indicat	tors for Problematic Hydric Soils ³ :
Histoso	l (A1)		Dark Surface (S7)	20	cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 147	', 148) Co	past Prairie Redox (A16)
	listic (A3)		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		edmont Floodplain Soils (F19)
	d Layers (A5) uck (A10) (LRR N)		Depleted Matrix (F3)Redox Dark Surface (F6)		(MLRA 136, 147) ery Shallow Dark Surface (TF12)
	ed Below Dark Surfa	ace (A11)	Depleted Dark Surface (F7)		her (Explain in Remarks)
	ark Surface (A12)	,	Redox Depressions (F8)		,
	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148)		MLRA 136)	3	
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		cators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 1		land hydrology must be present,
	d Matrix (S6) Layer (if observed	4/-	Red Parent Material (F21) (MLRA 127, 14	irr) unie	ess disturbed or problematic.
Type:		•,•			
	nches):		_	Hydric Soil F	Present? Yes No 🗸
emarks:			<u>=</u>	Tiyano com i	1030Ht. 103 HO
iliains.					

Vania County Sampling Date: 2025-02-25
State: Virginia Sampling Point: DP-405
Range:
onvex, none): Concave Slope (%): 1-3
ong:79.5972 Datum: WGS 84
NWI classification: N/A
(If no, explain in Remarks.)
re "Normal Circumstances" present? Yes No
needed, explain any answers in Remarks.)
t locations, transects, important features, etc.
led Area land? Yes <u>v</u> No
ydrophytic vegetation, and hydric
Secondary Indicators (minimum of two required)
Wetland Hydrology Present? Yes No
ons), if available:
F C C S

20 ft =	Absolute	Dominant		Dominance Test worksheet:	
ree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species	
Carpinus caroliniana	35		FAC	That Are OBL, FACW, or FAC: 4	(A)
Acer rubrum	30		FAC	Total Number of Dominant	
Liquidambar styraciflua	5		FAC	Species Across All Strata: 4	(B)
				December of December of One size	
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00	(A/
				matrice obe, triow, or trio.	''
				Prevalence Index worksheet:	
	70	= Total Cov	er	Total % Cover of: Multiply by	<u>:</u>
50% of total cover: <u>35.00</u>				OBL species <u>0</u> x 1 = <u>0</u>	
apling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$	
Liquidambar styraciflua	5	~	FAC	FAC species 165 x 3 = 495	
				FACU species $\frac{5}{x}$ $x = 20$	
				UPL species 0 $x = 0$	
				170	(E
				Codumit rotals (A)	(
				Prevalence Index = $B/A = 3.02$	
				Hydrophytic Vegetation Indicators:	
·				1 - Rapid Test for Hydrophytic Vegetation	า
				2 - Dominance Test is >50%	•
				3 - Prevalence Index is ≤3.0¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Provide s	oupporti
50% of total cover: 2.50	20% of	total cover	1.00		
lerb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate she	,
_ Microstegium vimineum	90		FAC	Problematic Hydrophytic Vegetation ¹ (Ex	plain)
_ Lonicera japonica	5		FACU		
8				¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	yy must
				<u>'</u>	
				Definitions of Four Vegetation Strata:	
				Tree – Woody plants, excluding vines, 3 in. (7	
·				more in diameter at breast height (DBH), rega	ardless
<u> </u>				height.	
·				Sapling/Shrub – Woody plants, excluding vir	nes, les
				than 3 in. DBH and greater than or equal to 3	.28 ft (1
0				m) tall.	
1				Herb – All herbaceous (non-woody) plants, re	
47.50		= Total Cov		of size, and woody plants less than 3.28 ft tall	l.
50% of total cover: 47.50	20% of	total cover	19.00	Woody vine – All woody vines greater than 3	3.28 ft in
Voody Vine Stratum (Plot size: 30 ft r)				height.	
				Hydrophytic	
i				Vegetation	
		= Total Cov	er	Present? Yes No	_
50% of total cover:					
Remarks: (Include photo numbers here or on a separate s					
o woody vine stratum was observed	idt te r	e data i	aaint		

US Army Corps of Engineers

Sampling Point: <u>DP-405</u>

SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the i	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 3	10YR 4/3	94	10YR 5/6	3	<u>C</u>	<u>M</u>	Silt Loam	
0 - 3			10YR 6/2	3	D	<u>M</u>	Silt Loam	Secondary redox color
3 - 18	10YR 5/2	80	10YR 4/6	15	С	PL / M	Silt Loam	
3 - 18	-		10YR 6/2	5	D	M	Silt Loam	Secondary redox color
	-							
	-							
¹ Type: C=Co	oncentration, D=Dep	oletion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	oipedon (A2)		Polyvalue Be	low Surfa	ce (S8) (N	VILRA 147,	, 148) C	oast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	rface (S9) (MLRA 1	147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix ((F2)		P	iedmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Mat	trix (F3)				(MLRA 136, 147)
2 cm Mu	ick (A10) (LRR N)		Redox Dark S	Surface (F	- 6)		V	ery Shallow Dark Surface (TF12)
Depleted	d Below Dark Surfac	e (A11)	Depleted Dar	k Surface	e (F7)		0	ther (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre	ssions (F	8)			
Sandy M	lucky Mineral (S1) (LRR N,	Iron-Mangan	ese Mass	es (F12) ((LRR N,		
MLRA	\ 147, 148)		MLRA 13	6)				
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 13	36, 122)	³ Ind	icators of hydrophytic vegetation and
Sandy R	tedox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	48) we	tland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7) unl	ess disturbed or problematic.
Restrictive I	_ayer (if observed)	:						
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Cou	nty: Pittsylvania Sampling Date: 2025-02-25
	State: Virginia Sampling Point: DP-406
Investigator(s):KZ, MS Section,	Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local relief	
Subregion (LRR or MLRA): P 136 Lat: 36.57631076	Long: -79.59719296 Datum: WGS 84
Soil Map Unit Name: 34B - Sheva fine sandy loam, 2 to 7 percent	slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed	d? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic	:? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing samp	
Hydrophytic Vegetation Present? Yes No	
Hydrio Soil Brosport?	s the Sampled Area vithin a Wetland? Yes No ✓
Wetland Hydrology Present?	vithin a Wetland? Yes No
Remarks:	
Only one of the three wetland parameters (i.e., h data point.	ydrophytic vegetation) was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B1	
High Water Table (A2) Hydrogen Sulfide Odor	
Saturation (A3) Oxidized Rhizospheres	
Water Marks (B1) Presence of Reduced Ir	
Sediment Deposits (B2) Recent Iron Reduction i	
Drift Deposits (B3) Thin Muck Surface (C7)	
Algal Mat or Crust (B4) Other (Explain in Remai	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Shallow Aquitard (D3)Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous provides a control of the control	
, , , , , , , , , , , , , , , , , , , ,	us inspections), ii available.
Remarks:	
No hydrology was observed at this data point.	

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20.4-	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
_{1.} Liquidambar styraciflua	65		FAC	That Are OBL, FACW, or FAC: 1 (A)
2. Acer rubrum	10		FAC	Total Number of Dominant
3. Carpinus caroliniana	10		FAC	Species Across All Strata: 1 (B)
4. Cornus florida	5		FACU	Dersont of Deminant Charles
_{5.} Juniperus virginiana	5		FACU	Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				- ' '
7				Prevalence Index worksheet:
		= Total Cove		Total % Cover of: Multiply by:
50% of total cover: 47.50	20% of	total cover:	19.00	OBL species $\frac{0}{2}$ $\times 1 = \frac{0}{2}$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 \times 2 = 0$
1				FAC species 85 x 3 = 255
2				FACU species 14 x 4 = 56
3				UPL species <u>0</u> x 5 = <u>0</u>
4				Column Totals: <u>99</u> (A) <u>311</u> (B)
5				214
6				Prevalence Index = B/A = 3.14
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
v		= Total Cove		3 - Prevalence Index is ≤3.0¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Allium vineale	2		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Lonicera japonica	2 2		FACU	
3				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5 6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
700 11 11 200		= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 2.00	20% of	total cover:	0.60	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cove	er	Present? Yes V No
	20% of	total cover:		
50% of total cover: Remarks: (Include photo numbers here or on a separate s				

	Matrix	%	Redox Features Color (moist)		Donasalis
inches) 0 - 6	Color (moist) 10YR 4/4	<u>%</u> _	Color (moist) % Type ¹ Loc ²	Texture Loam	Remarks
	-				
6 - 18	10YR 4/6	100		Clay Loam	
-					
-					
	-				-
					
-					
-					
_					
		epletion, RM=R	Reduced Matrix, MS=Masked Sand Grains.	² Location: P	L=Pore Lining, M=Matrix.
	ndicators:				ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 14		coast Prairie Redox (A16)
_ Black His	stic (A3) n Sulfide (A4)		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
	I Layers (A5)		Loamy Gleyed Matrix (F2)Depleted Matrix (F3)	<u> </u>	iedmont Floodplain Soils (F19) (MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark Surface (F6)	V	ery Shallow Dark Surface (TF12)
	Below Dark Surfa		Depleted Dark Surface (F7)		other (Explain in Remarks)
	ark Surface (A12)	,	Redox Depressions (F8)		,
	lucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR N,		
MLRA	\ 147, 148)		MLRA 136)		
	leyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		icators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Floodplain Soils (F19) (MLRA		tland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 1	47) unl	less disturbed or problematic.
estrictive L	_ayer (if observed	d):			
Type:			<u> </u>		,
Depth (inc	ches):		<u> </u>	Hydric Soil	Present? Yes No
emarks:				<u>.</u>	

Project/Site: Southeast Su	upply Enhancem	ent Project City/C	ounty: Pittsylvania	;	Sampling Date: 2025-02-25
Applicant/Owner: Transcon	tinental Gas Pipe	Line Company, LLC			Sampling Point: DP-407
Investigator(s):KH, LS		Sectio			
Landform (hillslope, terrace, e			·		
Subregion (LRR or MLRA): P					
Soil Map Unit Name: 21D - I	Poplar Forest fin	e sandy loam, 15 to 2	25 percent slopes	NWI classifica	tion: N/A
Are climatic / hydrologic condi					
Are Vegetation , Soil	, or Hydrology	significantly disturb	ped? Are "Normal	Circumstances" pro	esent? Yes No
Are Vegetation, Soil _				explain any answers	
					important features, etc.
Hydrophytic Vegetation Pres Hydric Soil Present? Wetland Hydrology Present?	Yes	No	Is the Sampled Area within a Wetland?	Yes 🗸	No
All three wetland			rology, hydropl	nytic vegeta	tion, and hydric
soils) were satisfie	ed at this dat	a point.			
HYDROLOGY					
Wetland Hydrology Indicat	ors:			Secondary Indicate	ors (minimum of two required)
Primary Indicators (minimum	of one is required; c	heck all that apply)		Surface Soil C	racks (B6)
Surface Water (A1)		True Aquatic Plants (E	B14)	Sparsely Vege	etated Concave Surface (B8)
✓ High Water Table (A2)		Hydrogen Sulfide Odd	or (C1)	Drainage Patte	erns (B10)
Saturation (A3)		Oxidized Rhizosphere		Moss Trim Lin	
Water Marks (B1)		Presence of Reduced			ater Table (C2)
Sediment Deposits (B2)		Recent Iron Reduction	n in Tilled Soils (C6)	Crayfish Burro	
Drift Deposits (B3)		Thin Muck Surface (C	7)	Saturation Vis	ible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Other (Explain in Rem			essed Plants (D1)
Iron Deposits (B5)				Geomorphic P	osition (D2)
Inundation Visible on Ae	erial Imagery (B7)			Shallow Aquita	
Water-Stained Leaves (I	B9)			Microtopograp	hic Relief (D4)
Aquatic Fauna (B13)				FAC-Neutral T	
Field Observations:					
Surface Water Present?	Yes No	Depth (inches):			
Water Table Present?	Yes 🔽 No _	Depth (inches): 12			
Saturation Present?		Depth (inches): 8	Wetland H	lydrology Present	? Yes <u>/</u> No
(includes capillary fringe) Describe Recorded Data (str		ing well powial abotton and	viava inanastiana) if ava	ilabla.	
Describe Recorded Data (str	eam gauge, moniton	ing well, aerial priotos, prev	vious irispections), ii ava	iliable.	
Remarks:					
T to manie					

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-407
20.65	Absolute	Dominant		Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30 ft r</u>) 1. Liriodendron tulipifera	% Cover 50	Species? ✓	Status FACU	Number of Dominant Species
	30		FAC	That Are OBL, FACW, or FAC: 4 (A)
2. Acer rubrum			FACU	Total Number of Dominant
3. Quercus alba	10		FACO	Species Across All Strata: 6 (B)
4	•			Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 66.66 (A/B)
6	•			Prevalence Index worksheet:
7	00			Total % Cover of: Multiply by:
50% of total cover: 45.00		= Total Cov		OBL species 0 $x 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)	20% 01	total cover.	. 10.00	FACW species $0 x 2 = 0$
Ouerous alba	5	~	FACU	FAC species 53 x 3 = 159
''	-		1,400	FACU species 69 x 4 = 276
2				UPL species 0 $x = 0$
3				Column Totals: 122 (A) 435 (B)
4				
5				Prevalence Index = B/A = 3.56
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9	5			3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 2.50		= Total Cov total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 /0 01	total cover.	<u> </u>	data in Remarks or on a separate sheet)
1. Smilax rotundifolia	8	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Euonymus americanus	5	~	FAC	
3 Lespedeza cuneata	2		FACU	¹ Indicators of hydric soil and wetland hydrology must
4 Tipularia discolor	2		FACU	be present, unless disturbed or problematic.
5		· -		Definitions of Four Vegetation Strata:
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8	-		· 	noight.
9.		-		Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.	-		· 	m) tall.
11	-		· 	
	17	= Total Cov	er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 8.50		total cover:		
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1. Vitis rotundifolia	10	~	FAC	noight
2				
3				
4				Hydronbytio
5				Hydrophytic Vegetation
	10	= Total Cov	er	Present? Yes V No
50% of total cover: 5.00	20% of	total cover:	2.00	
Remarks: (Include photo numbers here or on a separate s	heet.)			

SOIL Sampling Point: DP-407

Profile Desc	ription: (Describe	to the dep	th needed to docur	ment the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature		. 2		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 2	10YR 2/2	100					Loam	High organic content
2 - 5	10YR 4/2	100					Silty Clay	
5 - 12	10YR 4/2	85	7.5YR 4/4	15	С	<u>M</u>	Clay Loam	
12 - 18	10YR 4/1	95	7.5YR 3/4	5	С	М	Sandy Clay Loam	
-								
		etion, RM	=Reduced Matrix, M	S=Masked	Sand Gra	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I			Davis Confess	(07)				ators for Problematic Hydric Soils ³ :
Histosol	(AT) ipedon (A2)		Dark Surface Polyvalue Be		ce (S8) (N	II RΔ 147		cm Muck (A10) (MLRA 147) oast Prairie Redox (A16)
Black His			Tolyvalde Be				0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			, -,	P	iedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ck (A10) (LRR N)	(8.4.4)	Redox Dark					ery Shallow Dark Surface (TF12)
	l Below Dark Surface irk Surface (A12)	e (A11)	Depleted Da Redox Depre		. ,		0	ther (Explain in Remarks)
	lucky Mineral (S1) (L	RR N.	Iron-Mangan			LRR N.		
-	147, 148)	,	MLRA 13			,		
	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6) ayer (if observed):		Red Parent N	Material (F	21) (MLR	A 127, 147	7) un	less disturbed or problematic.
Type:	.ayer (ii observed).							
Depth (inc	shoe):						Hydric Soil	Present? Yes V No No
Remarks:							Tryunc 3011	rieseit: iesito
Nemains.								

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-408
Investigator(s):RS, LF Section	ion, Township, Range:
Landform (hillslope, terrace, etc.): Toeslope Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.6328848	
Soil Map Unit Name: 23B - Clover fine sandy loam, 2 to 7 perce	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oc	
Saturation (A3) Oxidized Rhizosphe	
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	on in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Depth (inches):	
٠,	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-408
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				B + (B + +0 +
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				(VB)
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 15 x 2 = 30
1				FAC species 70 x 3 = 210
2				FACU species <u>0</u> x 4 = <u>0</u>
				UPL species 0 $x = 0$
3				Column Totals: 85 (A) 240 (B)
4				(1)
5				Prevalence Index = B/A = 2.82
6	· 			Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cov	er	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover:	20% of	total cover		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				· · · · · ·
1. Microstegium vimineum	60		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Rumex pulcher	10		FACW	4
3. Verbesina alternifolia	10		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4 Carex sp.	5			
5 Juncus effusus	5		FACW	Definitions of Four Vegetation Strata:
6	-			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
	· 			more in diameter at breast height (DBH), regardless of
7		-		height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9		-		than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
45.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45.00	20% of	total cover	18.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes V No No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
Remarks: (Include photo numbers here or on a separate s No tree, sapling/shrub, or woody vine	sheet.)			t within this data point.

6 - 18 1 - - - - - -	1)	90 85	Color (moist) 10YR 4/6 7.5YR 5/8	0x Feature % 10 15	es Type¹ C C		Texture Silt Loam Silty Clay Loam		Remarks	
0 - 6 1 6 - 18 1 	OYR 5/1 OYR 6/1 entration, D=Deicators:	90 85	10YR 4/6 7.5YR 5/8	10	С	М	Silt Loam		Remarks	
6 - 18 1	entration, D=Deicators:	85	7.5YR 5/8							
e: C=Conc	entration, D=Deicators:			15	<u>C</u>	M	Silty Clay Loam			
ric Soil Ind Histosol (A	icators:	epletion, RN								
r ic Soil Ind Histosol (A	icators:	epletion, RN								
ric Soil Ind Histosol (A	icators:	epletion, RN								
ric Soil Ind Histosol (A	icators:	epletion, RN								
ric Soil Ind Histosol (A	icators:	pletion, RN			 					
ric Soil Ind Histosol (A	icators:	epletion, RN								
ric Soil Ind Histosol (A	icators:	pletion, RN								
ic Soil Ind Histosol (A	icators:	pletion, RN								
ic Soil Ind Histosol (A	icators:	pletion, RN						-		
ric Soil Ind Histosol (A	icators:	pletion, RN					<u> </u>			
ric Soil Ind Histosol (A	icators:	pletion, RN	-							
r ic Soil Ind Histosol (A	icators:	pietion, re	M=Peduced Matrix M	S=Macke	d Sand G	raine	² Location: P	I =Pore Lini	ng, M=Matrix.	
Histosol (A	1)		vi-Reduced Matrix, M	3-IVIASKE	u Sanu C	ialiis.			roblematic Hy	dric Soils
			Dark Surface	. (87)					-	
listic Epipe			Dark Surface Polyvalue Be		200 (88)	MI DA 147			A10) (MLRA 1 4 Redox (A16)	47)
Black Histic			Thin Dark S				(MLRA 14)	, ,	
Hydrogen S			Loamy Gley			147, 140)	P	•	oodplain Soils ((F19)
Stratified La	, ,		<u>✓</u> Depleted Ma		(· -)		<u> </u>	(MLRA 13		(10)
	(A10) (LRR N)		Redox Dark		F6)		V		Dark Surface	(TF12)
	elow Dark Surfa	ce (A11)	Depleted Da		. ,				in in Remarks)	
	Surface (A12)	, ,	Redox Depr					, ,	•	
Sandy Muc	ky Mineral (S1)	(LRR N,	Iron-Mangar	ese Mas	ses (F12)	(LRR N,				
MLRA 14	17, 148)		MLRA 13	86)						
Sandy Gley	red Matrix (S4)		Umbric Surfa	ace (F13)	(MLRA 1	36, 122)	³ Ind	licators of h	ydrophytic veg	etation and
Sandy Red	ox (S5)		Piedmont Fl	oodplain	Soils (F19) (MLRA 1	48) we	etland hydro	logy must be p	resent,
Stripped Ma			Red Parent	Material (F21) (ML	RA 127, 14	17) un	less disturb	ed or problema	atic.
trictive Lay	er (if observed):								
ype:									_	
epth (inche	s):						Hydric Soil	Present?	Yes 🔽	No
arks:							L			

Project/Site: Southeast Supp	oly Enhancement	Project City/C	ounty: Pittsylvania C	ounty s	Sampling Date: 2025-02-25
Applicant/Owner: Transcontine					Sampling Point: DP-409
Investigator(s):RS, LF		Section	on, Township, Range:		
Landform (hillslope, terrace, etc.):					
Subregion (LRR or MLRA): P 13					Datum: WGS 84
Soil Map Unit Name: 23B - Clo					
Are climatic / hydrologic condition	s on the site typical fo	or this time of year? Y	es No	(If no, explain in Rei	marks.)
Are Vegetation, Soil	, or Hydrology	significantly distur	bed? Are "Normal	Circumstances" pre	esent? Yes 🖊 No
Are Vegetation, Soil	, or Hydrology	naturally problema	atic? (If needed, e	explain any answers	in Remarks.)
SUMMARY OF FINDINGS	S – Attach site m	ap showing sam	pling point location	ons, transects,	important features, etc.
Hydrophytic Vegetation Present Hydric Soil Present? Wetland Hydrology Present? Remarks:	? Yes <u>v</u> Yes <u>v</u> Yes <u>v</u>	No No No	Is the Sampled Area within a Wetland?	Yes 🗸	No
All three wetland pa soils) were satisfied	_		rology, hydropl	hytic vegeta	tion, and hydric
HYDROLOGY					
Wetland Hydrology Indicators	:			Secondary Indicato	ors (minimum of two required)
Primary Indicators (minimum of	one is required; check	call that apply)		Surface Soil C	
Surface Water (A1)		True Aquatic Plants (etated Concave Surface (B8)
High Water Table (A2)		Hydrogen Sulfide Odd		Drainage Patte	
Saturation (A3)			es on Living Roots (C3)	Moss Trim Line	
Water Marks (B1)		Presence of Reduced Recent Iron Reduction			/ater Table (C2)
Sediment Deposits (B2) Drift Deposits (B3)		Thin Muck Surface (C		Crayfish Burro	ible on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Other (Explain in Ren			essed Plants (D1)
Iron Deposits (B5)	_	(=xp:a to		✓ Geomorphic P	
Inundation Visible on Aerial	Imagery (B7)			Shallow Aquita	
Water-Stained Leaves (B9)				Microtopograp	hic Relief (D4)
Aquatic Fauna (B13)				FAC-Neutral T	est (D5)
Field Observations:	-				
		Depth (inches):			
		Depth (inches):			
	Yes No	Depth (inches):	Wetland H	lydrology Present	? Yes No
(includes capillary fringe) Describe Recorded Data (stream	n gauge, monitoring v	vell. aerial photos, pre	 vious inspections), if ava	ilable:	
(33-, 3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Remarks:					

VEGETATION (Four Strata) – Use scientific names of plants.

Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2
That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 10 x 2 = 20 FAC species 15 x 3 = 45 FACU species 0 x 4 = 0 UPL species 0 x 4 = 0 UPL species 0 (A) 65 (B) Prevalence Index = B/A = 2.60 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50% ✓ 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 10 x 1 = 0 FACW species 15 x 3 = 45 FAC species FAC species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50% ✓ 3 - Prevalence Index is ≤3.0¹ — 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) — Problematic Hydrophytic Vegetation¹ (Explain)
Species Across All Strata: 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 10 x 2 = 20 FAC species 15 x 3 = 45 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 25 (A) 65 (B) Prevalence Index = B/A = 2.60 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50% ✓ 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Percent of Dominant Species That Are OBL, FACW, or FAC: Description Description Description
That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 15 x 3 = 45 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 25 (A) 65 (B) Prevalence Index = B/A = 2.60 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50% ✓ 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 15 x 3 = 45 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 25 (A) 65 (B) Prevalence Index = B/A = 2.60 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50% ✓ 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Total % Cover of: OBL species OBL species FACW species
Total % Cover of: OBL species OBL species FACW species
OBL species 0 $x 1 = 0$ FACW species 10 $x 2 = 20$ FAC species 15 $x 3 = 45$ FACU species 0 $x 4 = 0$ UPL species 0 $x 5 = 0$ Column Totals: 25 $x 5 = 0$ Column Totals: 25 $x 5 = 0$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 1 - Rapid Test for Hydrophytic Vegetation 1 - Rapid Test is >50% 1 - A - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 1 - Problematic Hydrophytic Vegetation (Explain)
FACW species 10
FAC species 15
FACU species $\frac{0}{0}$ \times 4 = $\frac{0}{0}$ UPL species $\frac{0}{25}$ \times 5 = $\frac{0}{0}$ Column Totals: $\frac{25}{0}$ \times 65 (B) Prevalence Index = B/A = $\frac{2.60}{0}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is \leq 3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
UPL species 0 x 5 = 0 Column Totals: 25 (A) 65 (B) Prevalence Index = B/A = 2.60 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50% ✓ 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Column Totals: 25 (A) 65 (B) Prevalence Index = B/A = 2.60 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation ✓ 2 - Dominance Test is >50% ✓ 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Prevalence Index = B/A = 2.60 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
1 - Rapid Test for Hydrophytic Vegetation v 2 - Dominance Test is >50% v 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
2 - Dominance Test is >50% 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) — Problematic Hydrophytic Vegetation¹ (Explain)
data in Remarks or on a separate sheet) — Problematic Hydrophytic Vegetation¹ (Explain)
Problematic Hydrophytic Vegetation ¹ (Explain)
CW
be present, unless disturbed or problematic.
Definitions of Four Vegetation Strata:
Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
more in diameter at breast height (DBH), regardless of height.
neight.
Sapling/Shrub – Woody plants, excluding vines, less
than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
 Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
00
Woody vine – All woody vines greater than 3.28 ft in height.
neight.
Hydrophytic
Vegetation
Present? Yes No

(inches)	Matrix	%		ox Feature		Loc ²	Toyturo	Domorko	
0 - 8	Color (moist)	<u> </u>	Color (moist)	_ <u> </u>	Type ¹		<u>Texture</u>	Remarks	
	10YR 4/2		10YR 5/4			_ <u>M</u>	Clay Loam		
8 - 10	10YR 5/3	97	10YR 4/4	3	<u>C</u>	<u> M</u>	Clay Loam		
-									
-									
_									
	· -		-					-	
-			<u> </u>						
-									
_									
			-						
	·								
ype: C=C	Concentration, D=De	pletion, RI	M=Reduced Matrix, M	1S=Maske	d Sand G	rains.	² Location: PL	=Pore Lining, M=Matrix.	
/dric Soil	Indicators:						Indica	tors for Problematic Hyd	ric Soils³:
Histoso	l (A1)		Dark Surfac	e (S7)			2	cm Muck (A10) (MLRA 147	7)
_ Histic E	pipedon (A2)		Polyvalue B	elow Surfa	ace (S8) (MLRA 147,	148) Co	oast Prairie Redox (A16)	
_ Black H	listic (A3)		Thin Dark S	surface (S9) (MLRA	147, 148)		(MLRA 147, 148)	
_ Hydroge	en Sulfide (A4)		Loamy Gley		(F2)		Pi	edmont Floodplain Soils (F	19)
	d Layers (A5)		✓ Depleted M	atrix (F3)				(MLRA 136, 147)	
	uck (A10) (LRR N)		Redox Dark	•				ery Shallow Dark Surface (TF12)
	ed Below Dark Surfa	ice (A11)	Depleted Da		. ,		01	ther (Explain in Remarks)	
	ark Surface (A12)		Redox Dep						
	Mucky Mineral (S1)	(LRR N,	Iron-Manga		ses (F12)	(LRR N,			
	A 147, 148)		MLRA 1	•			3		
	Gleyed Matrix (S4)		Umbric Surf					cators of hydrophytic veget	
-	Redox (S5)		Piedmont F					tland hydrology must be pre	
	d Matrix (S6)		Red Parent	Material (-21) (ML	RA 127, 147	7) unle	ess disturbed or problemat	C.
estrictive	Layer (if observed	1):							
	ock/compaction							,	
Depth (in	nches): 10		<u></u>				Hydric Soil	Present? Yes 🗸	No
emarks:							1		

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-25					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-410					
Investigator(s): RS, LF Section, Township, Range:						
Landform (hillslope, terrace, etc.): Toeslope Local relief (concave, convex, none): None Slope (%): 1						
Subregion (LRR or MLRA): P 136 Lat: 36.633329						
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem						
	mpling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants						
High Water Table (A2) Hydrogen Sulfide Oc						
	res on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduce						
Sediment Deposits (B2) Recent Iron Reducti						
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections) if available:					
Describe Necorded Data (Stream gauge, monitoring well, aerial priotos, pr	evious inspections), ii available.					
Remarks:						

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-410
20.4		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?		Number of Dominant Species
1			FAC	That Are OBL, FACW, or FAC: 3 (A)
2			FACW	Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species $\frac{0}{0}$ $x = \frac{0}{10}$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{05}{0.0510}$ x 2 = $\frac{10}{7520}$
1. Platanus occidentalis	5		FACW	FAC species $\frac{02510}{2}$ x 3 = $\frac{7530}{2}$
2				FACU species $\frac{0}{2}$ $x = \frac{0}{2}$
3				UPL species 0 x 5 = 0
4				Column Totals: <u>2515</u> (A) <u>7540</u> (B)
5				Decualment Index: D/A 2 00
6				Prevalence Index = B/A = 2.99
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
<u>. </u>	5	= Total Cov	or.	✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 2.50				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 /0 0.	10101 00101.		data in Remarks or on a separate sheet)
1. Microstegium vimineum	25	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Senna hebecarpa	10		FAC	
3 Carex sp.	7			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				Heat. All banks are an of a second of all and a manufall are
	42	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 21.00				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				neight.
2				
3				
4				
				Hydrophytic
5		= Total Cov		Vegetation
50% of total cover:				
		total cover.		
Remarks: (Include photo numbers here or on a separate s	neet.)			
No woody vine stratum was present v	within t	this dat	a point	t.

SOIL Sampling Point: DP-410

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type'	Loc ²	Texture	Remarks
0 - 2	10YR 3/2	100					Silt Loam	
2 - 10	10YR 5/2	95	7.5YR 5/8	5	С	<u>M</u>	Silt Loam	
10 - 13	10YR 5/2	85	7.5YR 5/8	15	С	М	Silt Loam	
-								
					-			
		-						
	-							
		letion, RM:	=Reduced Matrix, MS	S=Masked	Sand Gra	ains.		_=Pore Lining, M=Matrix.
Hydric Soil I								tors for Problematic Hydric Soils ³ :
Histosol			Dark Surface		(00) (1)	U DA 447		cm Muck (A10) (MLRA 147)
Histic Ep	oipedon (A2)		Polyvalue Be Thin Dark Su				148) C	oast Prairie Redox (A16) (MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		•	47, 140)	Pi	edmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		. –,			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	Surface (F	⁻ 6)			ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Da				0	ther (Explain in Remarks)
	ark Surface (A12) lucky Mineral (S1) (L	DD N	Redox Depre Iron-Mangan			DDN		
	147, 148)	.ixix i 4 ,	MLRA 13		C3 (1 12) (1	LIXIX IN,		
	leyed Matrix (S4)		Umbric Surfa		(MLRA 13	6, 122)	³ Indi	cators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	18) we	tland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F	21) (MLR	A 127, 147	7) unl	ess disturbed or problematic.
	ayer (if observed):							
, <u> </u>	mpaction							
Depth (inc	ches): 13						Hydric Soil	Present? Yes V No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/County: Pittsylva	ania County Sampling Date: 2025-02-25					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-411					
Investigator(s): RS, LF Section, Township, Range:						
Landform (hillslope, terrace, etc.): Toeslope Local relief (concave, conve						
Subregion (LRR or MLRA): P 136 Lat: 36.632489 Long: -79.543384 Datum: WGS 84						
Soil Map Unit Name: 23B - Clover fine sandy loam, 2 to 7 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No						
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "N	Normal Circumstances" present? Yes No					
	eded, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point lo						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes Yes No No Is the Sampled within a Wetland Wetla						
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point. HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)					
✓ High Water Table (A2) — Hydrogen Sulfide Odor (C1)	Drainage Patterns (B10)					
✓ Saturation (A3) — Oxidized Rhizospheres on Living Roots						
Water Marks (B1) Presence of Reduced Iron (C4)	Dry-Season Water Table (C2)					
Sediment Deposits (B2) Recent Iron Reduction in Tilled Soils (C						
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Other (Explain in Remarks)	Stunted or Stressed Plants (D1)					
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches): 7						
	tland Hydrology Present? Yes No					
(includes capillary fringe)) if available.					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections)), if available:					
Remarks:						
Tromano.						

VEGETATION (Four Strata) - Use scientific names of plants.

	20 15	Species?		Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 3 Total Number of Dominant	(A)
Acer rubrum Liquidambar styraciflua	20 15	<i>V</i>	FAC	That Are OBL, FACW, or FAC: 3 Total Number of Dominant	(A)
Liquidambar styraciflua			FAC	Total Number of Dominant	(/ //
				Species Across All Strata: 3	(B)
				Species Across Air Strata.	(D)
				Percent of Dominant Species That Are OBL FACW or FAC: 100.00	0
	_			That Are OBL, FACW, or FAC: 100.00	(A/B)
47.5				Prevalence Index worksheet:	
47.5	35			Total % Cover of:Multiple	y by:
E00/ of total cover: 1/5		= Total Cov		OBL species $0 x 1 = 0$	
50% of total cover: 17.5	20% 01	i total cover.	7.00	FACW species $0 x 2 = 0$	
oling/Shrub Stratum (Plot size: 15 ft r) Carpinus caroliniana	5	4	FAC	FAC species 42 x 3 = 126	 j
•			1 40	FACU species $0 \times 4 = 0$	
	_			UPL species 0 $x = 0$	
				Column Totals: 42 (A) 126	
				Column Totals. 12 (A) 123	(B)
		·		Prevalence Index = B/A = 3.00	
				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Veget	ation
				✓ 2 - Dominance Test is >50%	
		<u> </u>		✓ 3 - Prevalence Index is ≤3.0 ¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Prov	ide supporting
50% of total cover: 2.50	20% of	f total cover:	1.00	data in Remarks or on a separate	
<u>b Stratum</u> (Plot size: <u>5 ft r</u>)	_			Problematic Hydrophytic Vegetation ¹	,
Smilax rotundifolia	_ 2		FAC	robiemate riyaropitytte vegetation	(Explain)
		<u> </u>		¹ Indicators of hydric soil and wetland hydr	rology must
				be present, unless disturbed or problema	
	_			Definitions of Four Vegetation Strata:	
				Tree – Woody plants, excluding vines, 3 i more in diameter at breast height (DBH),	
				height.	regardiess of
				Sapling/Shrub – Woody plants, excluding than 3 in. DBH and greater than or equal	g vines, less to 3 28 ft (1
				m) tall.	10 0.20 11 (1
	2	= Total Cov		Herb – All herbaceous (non-woody) plant of size, and woody plants less than 3.28 f	
50% of total cover: 1.00					
ody Vine Stratum (Plot size: 30 ft r				Woody vine – All woody vines greater the	an 3.28 ft in
,				height.	
				Hydrophytic	
				Vegetation Present? Yes <u>✓</u> No	
50% of total cover:		= Total Cov		100	

No tree or woody vine strata were observed at this d

SOIL Sampling Point: DP-411

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 3	10YR 4/1	98	10YR 4/3	2	С	М	Clay Loam	
3 - 18	2.5Y 5/1	99	2.5Y 5/6	1	С	M	Silty Clay Loam	
	2.01 0/1		2.01 0/0	<u> </u>	- —	- '''		
-								
_								
-	•							
		_				- ——		
					_			
-								
					_			
		-						
¹ Type: C=C	oncentration, D=Dep	letion, RM	I=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location: Pl	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (I	VILRA 147,	, 148) C	coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Sι	ırface (S9	9) (MLRA	147, 148)		(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		P	iedmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Ma	trix (F3)				(MLRA 136, 147)
2 cm Mu	ıck (A10) (LRR N)		Redox Dark	Surface (F6)			ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da				0	other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (LRR N,	Iron-Mangan		ses (F12) (LRR N,		
	A 147, 148)		MLRA 13				3	
	Sleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F21) (MLR	A 127, 14	7) un	less disturbed or problematic.
Restrictive	Layer (if observed)							
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes V No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2025-02-25					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-412						
Investigator(s): RS, LF Section, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local re						
	Long: -79.543117 Datum: WGS 84					
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perc	ent slopes NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem						
	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓					
Wetland Hydrology Present? Yes No ✔	within a Wetland?					
Remarks:						
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants						
High Water Table (A2) Seturation (A2) Hydrogen Sulfide October 19 (A2)						
	res on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduce Sediment Deposits (B2) Recent Iron Reduction						
Sediment Deposits (B2) Recent non Reduction Drift Deposits (B3) Thin Muck Surface (i						
Algal Mat or Crust (B4) Other (Explain in Re						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						
No hydrology was observed at this data point.						

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-412
00.6	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				
				Percent of Dominant Species That Are OBL FACW or FAC: 50.00 (A/B)
5				That Are OBL, FACW, or FAC: 50.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species 0 $x 1 = 0$
50% of total cover:	20% of	total cover:		
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{0}{65}$ $x = \frac{0}{195}$
1				1710 species x o
2				FACU species 30 x 4 = 120
3				UPL species <u>0</u>
4				Column Totals: <u>95</u> (A) <u>315</u> (B)
5				
				Prevalence Index = B/A = 3.31
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	:	= Total Cov	er	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover:	20% of	total cover:		
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Microstegium vimineum	65	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Andropogon virginicus	25		FACU	
3. Lonicera japonica	5		FACU	¹ Indicators of hydric soil and wetland hydrology must
··				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Continuidade Mande qualitativa vince less
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
11.				
	95	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.50				of size, and woody plants less than 5.25 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s		•		
No tree, sapling/shrub, or woody vine	strata	were p	resen	t within this data point.
		•		•

Profile Desc	ription: (Describe	to the dep	th needed to docum	ent the i	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox	Features	3					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	is
0 - 3	10YR 4/3	100					Silt Loam			
3 - 6	7.5YR 5/6	100					Silt Loam			
	-							-		
								-		
-										
								<u>, </u>		
								-		
								-		
	-		-							
		oletion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P			
Hydric Soil										Hydric Soils ³ :
Histosol			Dark Surface		(00) (1)			cm Muck (, .	•
	oipedon (A2)		Polyvalue Bel				148) C	Coast Prairie		6)
Black Hi			Thin Dark Su			47, 148)		(MLRA 14		
	n Sulfide (A4)		Loamy Gleye		F2)		P	edmont Flo		ils (F19)
	d Layers (A5)		Depleted Mat					(MLRA 13		
2 cm Mu	ıck (A10) (LRR N)		Redox Dark S	•				ery Shallow		
Depleted	d Below Dark Surfac	e (A11)	Depleted Dar				c	Other (Expla	in in Remar	·ks)
Thick Da	ark Surface (A12)		Redox Depre	ssions (F	3)					
Sandy M	lucky Mineral (S1) (LRR N,	Iron-Mangane	ese Masse	es (F12) (I	_RR N,				
MLRA	A 147, 148)		MLRA 136	5)						
	Gleyed Matrix (S4)		Umbric Surfac		MLRA 13	6, 122)	³ Ind	icators of h	vdrophytic v	egetation and
	Redox (S5)		Piedmont Flo					etland hydro		-
	Matrix (S6)		Red Parent M					less disturb		
	Layer (if observed)	<u> </u>			, (,	1			
	mpaction									
Depth (inc							Hydric Soil	Present?	Yes	No <u>′</u>
Remarks:							,			
Remarks.										

ylvania County Sampling Date: 2025-02-25						
State: Virginia Sampling Point: DP-413						
Range:						
convex, none): Concave Slope (%): 2						
Long:79.538106 Datum: WGS 84						
NWI classification: N/A						
o (If no, explain in Remarks.)						
re "Normal Circumstances" present? Yes No						
f needed, explain any answers in Remarks.)						
nt locations, transects, important features, etc.						
oled Area tland? Yes <u>v</u> No						
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point.						
Secondary Indicators (minimum of two required)						
Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Is (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)						
Wetland Hydrology Present? Yes No						
ons), if available:						

Sampling	Point:	DP-413
Sambilliu	r Oll II.	

20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Platanus occidentalis	30		FACW	That Are OBL, FACW, or FAC: 3 (A)
2		-		Total Number of Deminent
3				Total Number of Dominant Species Across All Strata: 4 (B)
4				(2)
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 75.00 (A/B)
6				Prevalence Index worksheet:
7				
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 15.00	20% of	total cover:	6.00	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 32 x 2 = 64
1. Carpinus caroliniana	25	✓	FAC	FAC species 48 $\times 3 = 144$
	5		FAC	FACU species 5 x 4 = 20
		-	17.0	UPL species $0 \times 5 = 0$
3		-		
4				Column Totals: <u>85</u> (A) <u>228</u> (B)
5				December 268
6				Prevalence Index = B/A = 2.68
				Hydrophytic Vegetation Indicators:
7			· ——	1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
	30 .	= Total Cov	er	
50% of total cover: 15.00	20% of	total cover:	6.00	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Microstegium vimineum	15	/	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Lonicera japonica	5		FACU	
	3			¹ Indicators of hydric soil and wetland hydrology must
3. Smilax rotundifolia	2		FAC	be present, unless disturbed or problematic.
4. Cinna arundinacea	2		FACW	Definitions of Four Vegetation Strata:
5				Definitions of Four Vegetation offata.
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
7				height.
8		-		Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				
	25 .	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 12.50				of size, and woody plants less than 5.25 it tall.
Woody Vine Stratum (Plot size: 30 ft r	20 /0 01	total cover.	0.00	Woody vine – All woody vines greater than 3.28 ft in
,				height.
1		-		
2				
3				
4				
5				Hydrophytic
				Vegetation Present? Yes ✓ No
500/ 51 1 1		= Total Cov		100 <u>100</u>
50% of total cover:		total cover		
Remarks: (Include photo numbers here or on a separate sheet.)				
No woody vine stratum was observed	d at this	e data e	ooint	
livo woody ville stratum was observed	a at tills	s uata _l	Jonne.	

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix	·	Redo	x Feature	S			•
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 7	10YR 5/2	97	10YR 5/6	3	С	M	Sandy Loam	
7 - 14	10YR 4/2	98	10YR 4/4	2	С	М	Clay Loam	
14 - 18	10YR 5/2	97	10YR 4/4	3	С	М	Clay Loam	
_								
		- '						
_		<u> </u>						
				-				
	-							
				-				
1Typo: C=C	ncontration D=Don	lotion PM	=Reduced Matrix, MS	S-Mackov			² Location: DI	
Hydric Soil I		netion, Rivi	=Reduced Matrix, Mis	5=iviasked	J Sand Gr	airis.		tors for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(\$7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		re (S8) (N	/II RΔ 147		oast Prairie Redox (A16)
Black His			Tolyvalde Be				0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye	•	, .	141, 140)	Pi	iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		(' -)		' '	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S	, ,	- 6)		Ve	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar	•	,			ther (Explain in Remarks)
	rk Surface (A12)	, ,	Redox Depre					,
	lucky Mineral (S1) (L	LRR N,	Iron-Mangan			LRR N,		
MLRA	147, 148)		MLRA 13	6)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 13	86, 122)	³ Indi	cators of hydrophytic vegetation and
Sandy R	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	48) we	tland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 14	7) unl	ess disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								
Depth (inc	ches):		<u></u>				Hydric Soil	Present? Yes V No No
Remarks:							•	

Project/Site: Southeast Supply Enhancement Project City/County	Pittsylvania County Sampling Date: 2025-02-25						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-414						
	wnship, Range:						
Landform (hillslope, terrace, etc.): Toeslope Local relief (co	ncave, convex, none): Concave Slope (%): 2						
Subregion (LRR or MLRA): P 136 Lat: 36.63734	Long:79.537756 Datum:_WGS 84						
Soil Map Unit Name: 23D - Clover fine sandy loam, 15 to 25 percent	slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problematic?							
SUMMARY OF FINDINGS – Attach site map showing sampling	g point locations, transects, important features, etc.						
Ludria Sail Draggard 185 V NO I	e Sampled Area in a Wetland? Yes _ No						
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B14) High Water Table (A2) Hydrogen Sulfide Odor (C1 Saturation (A3) Oxidized Rhizospheres on Water Marks (B1) Presence of Reduced Iron Sediment Deposits (B2) Recent Iron Reduction in T Drift Deposits (B3) Thin Muck Surface (C7)	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Living Roots (C3) Moss Trim Lines (B16) (C4) Dry-Season Water Table (C2)						
Algal Mat or Crust (B4) Other (Explain in Remarks) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations:							
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	Wetland Hydrology Present? Yes Noinspections), if available:						
Remarks:							

VEGETATION (Four Strata) - Use

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
Acer rubrum	20	~	FAC	That Are OBL, FACW, or FAC: 4 (A)
Liquidambar styraciflua	20	~	FAC	Total Number of Dominant
Liriodendron tulipifera	10		FACU	Species Across All Strata: 5 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 80.00 (A/B)
-			-	Prevalence Index worksheet:
	50	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: _25.00				OBL species 0 x 1 = 0
1F ft	20 /6 01	total cover.		FACW species 5 $\times 2 = 10$
pling/Shrub Stratum (Plot size: 15 ft f) Acer rubrum	15	/	FAC	FAC species 80 x 3 = 240
				FACU species 10 x 4 = 40
				UPL species $0 \times 5 = 0$
				Column Totals: <u>95</u> (A) <u>290</u> (B)
				Prevalence Index = B/A = 3.05
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
	15	= Total Cov	er	
50% of total cover: 7.50	20% of	total cover:	3.00	4 - Morphological Adaptations ¹ (Provide supporting
erb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
Microstegium vimineum	25	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Cinna arundinacea	5		FACW	
				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
				height.
				One live (Oherste - Wanderstein ersteint erstein eine - Inne
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
				m) tall.
•	20	T 0		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
500/ of total across 15 00		= Total Cov		of size, and woody plants less than 3.26 it tall.
50% of total cover: 15.00	∠∪% 01	ioiai cover:	3.30	Woody vine – All woody vines greater than 3.28 ft in
oody Vine Stratum (Plot size: 30 ft r)				height.
				Hodon bods
				Hydrophytic Vegetation
				Present? Yes V No No
EOO/ of total across		= Total Cov		
50% of total cover:	∠∪% 01	ioiai cover:		1

Profile Desc	ription: (Describe	to the dep	oth needed to docun	nent the	indicator	or confirm	n the absence	e of indicators.)
Depth								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 3	10YR 5/2	98	7.5YR 5/6	2	С	М	Sandy Loam	
3 - 18	5Y 5/2	97	10YR 5/6	3	С	М	Loamy Sand	
							-	
-				'				
					· -			
				-				
				'				
1 _{Type:} C=C	noontration D=Don	lotion DM	=Doduced Matrix MS	S=Maaka	d Cand Cr	roine	² Location: F	PL = Doro Lining M=Matrix
Hydric Soil		netion, Rivi	=Reduced Matrix, MS	s=iviaske	u Sand Gr	ains.		PL=Pore Lining, M=Matrix. eators for Problematic Hydric Soils ³ :
_			Dark Surface	(87)				•
Histosol	oipedon (A2)		Polyvalue Be	. ,	nce (S8) (I	/II R Δ 1/17		2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16)
Black Hi			Tolyvalde Be				\	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			,,	ı	Piedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Mat		(- –)			(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S	. ,	- 6)		\	Very Shallow Dark Surface (TF12)
Depleted	d Below Dark Surfac	e (A11)	Depleted Dar	k Surface	e (F7)		(Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	LRR N,	Iron-Mangane		es (F12) ((LRR N,		
	A 147, 148)		MLRA 130	-			3.	
	Gleyed Matrix (S4)		Umbric Surfa					dicators of hydrophytic vegetation and
Stripped	Matrix (S6)		Piedmont Flom Red Parent M					etland hydrology must be present, nless disturbed or problematic.
	Layer (if observed):		Neu Falelit iv	nateriai (i	ZI) (WILK	A 127, 147	7) ui	liess disturbed of problematic.
Type:	Layer (ii observeu)	•						
	abaa):						Uvdria Cai	I Present? Yes <u>✓</u> No
	ches):						nyaric Soi	I Present? Yes No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project Cit	ty/County: Pittsylvania County Sampling Date: 2025-02-25						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC							
Investigator(s):RS, LF Section, Township, Range:							
Landform (hillslope, terrace, etc.): Microslope Local relief (concave, convex, none): None Slope (%): 1							
	Long:79.537568 Datum: WGS 84						
Soil Map Unit Name: 23D - Clover fine sandy loam, 15 to 25 p							
Are climatic / hydrologic conditions on the site typical for this time of year?	? Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly dis	sturbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally proble							
SUMMARY OF FINDINGS – Attach site map showing sa	ampling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No No No No No No No No No	Is the Sampled Area within a Wetland? Yes No						
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plant	ts (B14) Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide							
	heres on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Redu							
	ction in Tilled Soils (C6) Crayfish Burrows (C8)						
Drift Deposits (B3) Thin Muck Surface							
Algal Mat or Crust (B4) Other (Explain in F							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)						
Field Observations:	FAC-Neutral Test (D5)						
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes Vo Depth (inches): 1							
Saturation Present? Yes No Depth (inches): 6							
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:						
Domarko							
Remarks:							

Sampling	Point:	DP-415
Gairibiliu	I UIIIL.	

20.4	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?	Status	Number of Dominant Species _	
1. Liquidambar styraciflua	30		FAC	That Are OBL, FACW, or FAC: 5	(A)
2. Acer rubrum	15		FAC	Total Number of Dominant	
3. Quercus alba	10		FACU		(B)
4				Percent of Dominant Species	
5					(A/B)
6					, ,
7				Prevalence Index worksheet:	
	55	= Total Cov	er	Total % Cover of: Multiply by:	
50% of total cover: 27.50	20% of	total cover:	11.00	OBL species $0 \times 1 = 0$	
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 x 2 = 0$	
1. Acer negundo	7	~	FAC	FAC species <u>77</u> x 3 = <u>231</u>	
2. Carya alba	5		UPL	FACU species 15 x 4 = 60	
3				UPL species 10 x 5 = 50	
				100	(B)
4					,
5				Prevalence Index = B/A = 3.34	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8				✓ 2 - Dominance Test is >50%	
9	10			3 - Prevalence Index is ≤3.0 ¹	
200		= Total Cov		4 - Morphological Adaptations ¹ (Provide suppo	orting
50% of total cover: 6.00	20% of	total cover:	2.40	data in Remarks or on a separate sheet)	ŭ
Herb Stratum (Plot size: 5 ft r)	00	à	540	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Microstegium vimineum	20		FAC	Troblemade rijaroprijale vegetatiem (Explain	')
2. Carex sp.	5			¹ Indicators of hydric soil and wetland hydrology mu	uet
3. Lonicera japonica	5		FACU	be present, unless disturbed or problematic.	ust
4. Melica bulbosa	5		UPL	Definitions of Four Vegetation Strata:	
_{5.} Smilax rotundifolia	5		FAC		
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cr more in diameter at breast height (DBH), regardles	
7				height.	55 UI
8					
9.				Sapling/Shrub – Woody plants, excluding vines, I than 3 in. DBH and greater than or equal to 3.28 ft	
10				m) tall.	. (1
11.					
	40	= Total Cov		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	lless
50% of total cover: 20.00				of size, and woody plants less than 5.26 it tall.	
Woody Vine Stratum (Plot size: 30 ft r)	2070 01	total cover.		Woody vine – All woody vines greater than 3.28 f	t in
				height.	
2					
3					
4				Hydrophytic	
5				Vegetation	
		= Total Cov	er	Present? Yes V No No	
50% of total cover:		total cover:			
Remarks: (Include photo numbers here or on a separate sl	neet.)				
No woody vine stratum was present v	within t	thic dat	a noint	!	
no woody vine stratum was present	WILLIIII (นแร นสโ	a politi		

Profile Desc	cription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirm	n the abse	nce of indicators.)
Depth Matrix Redox Features								
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	
0 - 18	10YR 6/1	95	7.5YR 4/6	5	С	М	Silt Loa	m
-								
				•				
-								
					-			
	oncentration, D=Dep	letion, RM:	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		: PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						In	dicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			_	_ 2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ice (S8) (I	MLRA 147,		Coast Prairie Redox (A16)
Black H	istic (A3)		Thin Dark Su	rface (S9) (MLRA	147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye	d Matrix	(F2)		_	Piedmont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Ma	trix (F3)				(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark				_	_ Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar				_	_ Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (I	RR N,	Iron-Mangan		es (F12) ((LRR N,		
	A 147, 148)		MLRA 13	•				2
	Bleyed Matrix (S4)		Umbric Surfa					³ Indicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					wetland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7)	unless disturbed or problematic.
Restrictive	Layer (if observed):							
Type:								
Depth (in	ches):						Hydric	Soil Present? Yes <u>'</u> No
Remarks:							1	

Project/Site: Southeast Supply Enhancement Project Ci	ity/County: Pittsylvania County Sampling Date: 2025-02-25					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LL						
Investigator(s):RS, LF Section, Township, Range:						
	I relief (concave, convex, none): None Slope (%): 3					
	Long:79.538001 WGS 84					
Soil Map Unit Name: 23D - Clover fine sandy loam, 15 to 25 p						
Are climatic / hydrologic conditions on the site typical for this time of year	? Yes No (If no, explain in Remarks.)					
	sturbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally probl						
	sampling point locations, transects, important features, etc.					
V N- /						
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V	Is the Sampled Area					
Wetland Hydrology Present?	within a Wetland? Yes No					
Remarks:						
hydric soils) were satisfied at this data point	wetland hydrology, hydrophytic vegetation, or 					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plar						
High Water Table (A2) Hydrogen Sulfide						
	pheres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Redu Sediment Deposits (B2) Recent Iron Redu	uced Iron (C4) Dry-Season Water Table (C2) uction in Tilled Soils (C6) Crayfish Burrows (C8)					
Sediment Deposits (B2) Recent non Reduction Re						
Algal Mat or Crust (B4) Other (Explain in						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):_						
Water Table Present? Yes No Depth (inches):_						
Saturation Present? Yes No Depth (inches):_	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections). if available:					
gg.,g,	F					
Remarks:						
No hydrology was observed at this data poir	nt.					
The my dividegy mad observed at time data pen	•••					

20.4	Absolute		Indicator	Dominance Test worksheet:		
(Plot size: 30 ft r	% Cover			Number of Dominant Species		
<u>Liriodendron tulipifera</u>	40		FACU	That Are OBL, FACW, or FAC:	3	(A)
Carpinus caroliniana	15		FAC	Total Number of Dominant		
				Species Across All Strata:	6	(B)
·						
. <u> </u>				Percent of Dominant Species That Are OBL, FACW, or FAC:	50.00	(A/E
)				matrice obe, triow, of trio.	-	. (/ 0 L
				Prevalence Index worksheet:		
	55	= Total Co	vor	Total % Cover of:	Multiply by:	
50% of total cover: 27.50				OBL species 0 x	(1 = <u>0</u>	_
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 70 01	10101 0010	· ·	FACW species 0	(2 = 0	
Carpinus caroliniana	7	~	FAC	FAC species 32		
Juninorus virginiana	5		FACU		(4 = 260	_
			- 17100	UPL species 0		_
l					250	_ _{(D}
<u>, </u>				Column rotals: (/	~) <u>333</u>	(B
j				Prevalence Index = B/A =	3.67	
i				Hydrophytic Vegetation Indica		
				' ' '		
l <u>. </u>				1 - Rapid Test for Hydrophy	-	
).				2 - Dominance Test is >509		
	12	= Total Co	ver	3 - Prevalence Index is ≤3.0		
50% of total cover: 6.00	20% of			4 - Morphological Adaptation	ns' (Provide su	pportir
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a	separate sheet)
Polystichum acrostichoides	15	~	FACU	Problematic Hydrophytic Ve	egetation ¹ (Expla	ain)
Smilax rotundifolia	10		FAC			
Lonicera japonica	5		FACU	¹ Indicators of hydric soil and we	tland hydrology	must
<u> </u>			- 17100	be present, unless disturbed or	problematic.	
4		-		Definitions of Four Vegetation	n Strata:	
5				Tree – Woody plants, excluding	vinos 2 in /7.6	: om\ c
5				more in diameter at breast heigh		
7				height.	(= = : :), : = g = : :	
3				Cardinar(Charaba Manda da alamata		- 1
9				Sapling/Shrub – Woody plants than 3 in. DBH and greater than	, excluding vines	s, iess 8 ft (1
10				m) tall.		(.
11						
	~~	= Total Co	ver	Herb – All herbaceous (non-wood size, and woody plants less that		ardies
50% of total cover: 15.00				or olzo, and woody plante loco to	11011 0.20 It tall.	
Noody Vine Stratum (Plot size: 30 ft r)	20 70 01	10101 0010	•	Woody vine – All woody vines	greater than 3.2	8 ft in
				height.		
l						
2						
3						
ł				Hydrophytic		
5				Vegetation		
		= Total Co	ver	Present? Yes	No	
50% of total cover:	20% of	total cove	r:			
Remarks: (Include photo numbers here or on a separate s	heet.)			1		
No woody vine stratum was present	••••	. la : a la		L Comment		

Profile Desc	ription: (Describe	to the dept	th needed to docur	nent the i	ndicator	or confirm	the abse	ence of indicators	s.)		
Depth	Matrix		Redo	x Features							
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Textur		Remarks		
0 - 6	10YR 4/3	100					Silt Loa	<u>am</u>			
6 - 18	10YR 4/6	100					Silt Loa	am			
							-				
							-				
_											
	-										
	-										
							'		_		
1Type: C=C	oncentration, D=Dep	letion PM=	Peduced Matrix MS	S=Masked	Sand Gra	ine	² Location	n: PL=Pore Lining	M=Matrix		
Hydric Soil I		ielion, Rivi-	Reduced Matrix, Mc	5-IVIASKEU	Saliu Gia	11115.			olematic Hydric Soils ³ :		
-			Dark Surface	(97)					-		
Histosol	oipedon (A2)		Polyvalue Be		na (S.8.) (M	I D A 1/17		_ 2 cm Muck (A1 _ Coast Prairie R			
Black His			Thin Dark Su				140) _	Coast Frame R (MLRA 147,	, ,		
	n Sulfide (A4)		Loamy Gleye			- 17, 1 -1 0)			dplain Soils (F19)		
	Layers (A5)		Depleted Mar		· -)		_	(MLRA 136,	. , ,		
	ck (A10) (LRR N)		Redox Dark \$		6)				Park Surface (TF12)		
	Below Dark Surface	e (A11)	Depleted Dar					Other (Explain			
	ark Surface (A12)	, ,	Redox Depre					_ , , ,	,		
Sandy M	lucky Mineral (S1) (L	_RR N,	Iron-Mangan	ese Mass	es (F12) (I	RR N,					
MLRA	\ 147, 148)		MLRA 13	MLRA 136)							
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (MLRA 13	6, 122)		³ Indicators of hydi	rophytic vegetation and		
Sandy R	edox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	l8)	wetland hydrolog	gy must be present,		
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7)	unless disturbed	or problematic.		
Restrictive L	_ayer (if observed):										
Type:											
Depth (inc	ches):						Hydric	Soil Present?	Yes No <u>'</u>		
Remarks:							I				

Project/Site: Southeast Supply Enhancement Project City	y/County: Pittsylvania County Sampling Date: 2025-02-25					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-417					
Investigator(s):RS, LF Sec	ection, Township, Range:					
Landform (hillslope, terrace, etc.): Microslope Local relief (concave, convex, none): Concave Slope (%): 1						
	Long:79.52248449 Datum: WGS 84					
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 per						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly dis	sturbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally proble						
	ampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No No No Remarks:	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point. HYDROLOGY	/drology, hydrophytic vegetation, and hydric					
	Secondary Indicators (minimum of two required)					
Wetland Hydrology Indicators:						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plant High Water Table (A2) Hydrogen Sulfide (
	neres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) — Presence of Reduce						
	ction in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface						
Algal Mat or Crust (B4) Other (Explain in F						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections), if available:					
Remarks:						

'EGETATION (Four Strata) – Use scientific n	ames or	piants.		Sampling Point: DP-417
20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 3 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				
5				Percent of Dominant Species That Are OBL_FACW_or_FAC: 100.00 (A/B)
				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species 5 x 1 = 5
50% of total cover:	20% of	total cover:		· — — — — — — — — — — — — — — — — — — —
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 85 $\times 2 = 170$
_{1.} Salix nigra	5		OBL	FAC species $\frac{0}{5}$ $\times 3 = \frac{0}{20}$
2				FACU species $5 x 4 = 20$
3				UPL species <u>0</u>
4				Column Totals: <u>95</u> (A) <u>195</u> (B)
5				Prevalence Index = $B/A = 2.05$
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0¹
	_	= Total Cov	er	
50% of total cover: 2.50	20% of	total cover:	1.00	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium scoparium	40	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Juncus effusus	40		FACW	
	5		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Solidago altissima	5			be present, unless disturbed or problematic.
4. Vernonia noveboracensis	5		FACW	Definitions of Four Vegetation Strata:
5				
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				
0				Sapling/Shrub – Woody plants, excluding vines, less
·				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				m) tan.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>45.00</u>	20% of	total cover:	18.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				
				Hydrophytic
5				Vegetation Present? Yes ✓ No
500/ (1.1.)		= Total Cov		100 <u>100 100 100 100 100 100 100 100 100</u>
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree or woody vine strata were pr	esent v	within th	nis dat	a point.

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	<u>Remarks</u>
0 - 2	7.5YR 4/2	100					Silt Loam	
2 - 13	10YR 5/2	95	10YR 4/6	5	С	PL / M	Clay Loam	
13 - 18	5Y 6/2	90	10YR 5/6	10	С	М	Sandy Clay Loam	
_								
	-	-						
						· ——		
		-						
				-		· ——		
						·		
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			2	cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				. 148) C	oast Prairie Redox (A16)
Black His			Thin Dark Su			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	I Layers (A5)		Depleted Ma	, ,				(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dai				0	ther (Explain in Remarks)
	ark Surface (A12)	DD N	Redox Depre			LDD N		
	lucky Mineral (S1) (L . 147, 148)	LKK N,	Iron-Mangan MLRA 13		ses (F12) (LKK N,		
	leyed Matrix (S4)		Umbric Surfa		/MI D A 12	e 122\	3Ind	icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					tland hydrology must be present,
-	Matrix (S6)		Red Parent N					less disturbed or problematic.
	_ayer (if observed):	•	Ned 1 dient is	viateriai (i	Z1) (INILIX	A 121, 141	T uni	ress disturbed of problematic.
Type:								
	ches):						Hydric Soil	Present? Yes V No
Remarks:							1.7	
remarks.								

Project/Site: Southeast Su	upply Enhancemer	nt Project City/C	ounty: Pittsylvania C	ounty g	Sampling Date: 2025-02-25		
Applicant/Owner: Transcon	tinental Gas Pipe Li	ne Company, LLC		State: Virginia	Sampling Point: DP-418		
Investigator(s):RS, LF		Section	on, Township, Range:				
Landform (hillslope, terrace, etc.): Toeslope Local relief (concave, convex, none): None Slope (%): 2							
Subregion (LRR or MLRA): P					Datum: WGS 84		
Soil Map Unit Name: 5C3 - 0	<u> </u>		_				
Are climatic / hydrologic condi	tions on the site typical	for this time of year? Y	es No	(If no, explain in Re	marks.)		
Are Vegetation, Soil	, or Hydrology	significantly distur	ped? Are "Normal	Circumstances" pre	esent? Yes No		
Are Vegetation, Soil							
SUMMARY OF FINDIN	IGS – Attach site	map showing sam	pling point location	ons, transects,	important features, etc.		
Hydrophytic Vegetation Pres Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes Yes Yes	No No No	Is the Sampled Area within a Wetland?	Yes 🗸	No		
All three wetland soils) were satisfic	•	•	rology, hydropl	hytic vegeta	tion, and hydric		
HYDROLOGY							
Wetland Hydrology Indicat	ors:			Secondary Indicate	ors (minimum of two required)		
Primary Indicators (minimum	of one is required; che	ck all that apply)		Surface Soil Cracks (B6)			
Surface Water (A1)	<u> </u>	_ True Aquatic Plants (B14)	Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)		_ Hydrogen Sulfide Ode		Drainage Patterns (B10)			
Saturation (A3)			es on Living Roots (C3)	Moss Trim Lin			
Water Marks (B1)		_ Presence of Reduced			/ater Table (C2)		
Sediment Deposits (B2)		Recent Iron Reductio		Crayfish Burro			
Drift Deposits (B3) Algal Mat or Crust (B4)		Thin Muck Surface (COther (Explain in Ren			ible on Aerial Imagery (C9) essed Plants (D1)		
Iron Deposits (B5)		_ Other (Explain in Nei	iaiks)	Geomorphic P			
Inundation Visible on Ae	erial Imagery (B7)			Shallow Aquita			
Water-Stained Leaves (Microtopograp			
Aquatic Fauna (B13)	,			FAC-Neutral T			
Field Observations:							
Surface Water Present?	Yes No	Depth (inches):					
Water Table Present?	Yes No	Depth (inches):					
Saturation Present?	Yes No	Depth (inches):	Wetland H	nd Hydrology Present? Yes No			
(includes capillary fringe) Describe Recorded Data (str	ream gauge monitoring	well aerial photos pre	vious inspections) if ava	ilahle:			
Describe Necolded Data (sti	eam gauge, monitoring	well, aeriai priotos, pre	vious irispections), ii ava	illable.			
Remarks:							

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
ree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 2	(A)
				Total Number of Dominant Species Across All Strata: 2	(B)
<u>. </u>				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00	(A/E
				Prevalence Index worksheet:	(///
				Total % Cover of: Multiply by:	
		= Total Cov		OBL species 0 x 1 = 0	
50% of total cover:	20% of	total cover:		FACW species $\frac{15}{15}$ $\frac{15}{2}$ $\frac{15}{2}$ $\frac{15}{2}$	_
Sapling/Shrub Stratum (Plot size: 15 ft r					_
					_
. <u>.</u>				x :	_
B				UPL species $0 \times 5 = 0$	- (5
÷				Column Totals: <u>95</u> (A) <u>270</u>	(B
i				Prevalence Index = B/A = 2.84	_
				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	
i				✓ 2 - Dominance Test is >50%	
				✓ 3 - Prevalence Index is ≤3.0¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Provide sup	portir
50% of total cover: Herb Stratum (Plot size: 5 ft r)	20% 01	total cover.		data in Remarks or on a separate sheet	
Microstegium vimineum	40	~	FAC	Problematic Hydrophytic Vegetation ¹ (Expla	in)
Verbesina alternifolia	25		FAC		
Juncus effusus	15		FACW	¹ Indicators of hydric soil and wetland hydrology	must
Solidago rugosa	15	-	FAC	be present, unless disturbed or problematic.	
5				Definitions of Four Vegetation Strata:	
				Tree – Woody plants, excluding vines, 3 in. (7.6	
				more in diameter at breast height (DBH), regard	less o
7 <u>. </u>				height.	
3	·			Sapling/Shrub – Woody plants, excluding vines	
	·			than 3 in. DBH and greater than or equal to 3.28 m) tall.	3π(1
1.					
1.		= Total Cov		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	ırdles
50% of total cover: 47.50	20% of	total cover:	19.00		
Noody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.26	3 ft in
l				height.	
2					
3					
i					
5				Hydrophytic Vegetation	
·		= Total Cov		Present? Yes V No No	
50% of total cover:					
Remarks: (Include photo numbers here or on a separate s					
tomano. (morado prioto númbero nere or on a separate s	J. 100t. j				

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 10	10YR 4/2	95	7.5YR 4/6	5	С	М	Silt Loam	
	·		<u> </u>	-	-			
		- ——						
-								
	-							·
_								
						· ——		-
-								
¹ Type: C=Ce	oncentration, D=Dep	letion, RM	I=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			2	cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ace (S8) (N	/ILRA 147		Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su				, -, <u> </u>	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			,,	F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma		()		<u> </u>	(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark	. ,	F6)		\	/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	Δ (Δ11)	Depleted Dark					Other (Explain in Remarks)
	ark Surface (A12)	C (7111)	Redox Depre		, ,		_ `	other (Explain in Nemarko)
	lucky Mineral (S1) (I	DD N	Iron-Mangan			I DD N		
	147, 148)	LIXIX IN,	MLRA 13		363 (I 12) (LIXIX IV,		
	Gleyed Matrix (S4)		Umbric Surfa		/MI D A 13)6 422\	3lno	licators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N	viateriai (F21) (WLK	A 127, 14	<i>1</i>) un	lless disturbed or problematic.
	Layer (if observed)							
Type: Ro								
Depth (in	ches): 10						Hydric Soil	Present? Yes 🗸 No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-419
Investigator(s):RS, LF Sect	ion, Township, Range:
Landform (hillslope, terrace, etc.): Toeslope Local re	
	Long:79.502005 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
Are climatic / hydrologic conditions on the site typical for this time of year?	
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
SUMMARY OF FINDINGS – Attach site map snowing sai	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes _v No	Is the Sampled Area
Hydric Soil Present? Yes ✓ No	within a Wetland? Yes V No
Wetland Hydrology Present? Yes No	
Remarks:	
All three wetland parameters (i.e., wetland hyd	drology, hydrophytic vegetation, and hydric
soils) were satisfied at this data point.	and organization of the state o
Solis) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oc	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reducti	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections) if available:
Describe Recorded Data (Stream gauge, monitoring well, aerial priotos, pr	evious inspections), il available.
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-419
				Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				That Ale Obl., FACW, of FAC (A/B)
7		-		Prevalence Index worksheet:
, <u></u>		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	_			FACW species $\underline{10}$ $x 2 = \underline{20}$
1				FAC species 70 x 3 = 210
2				FACU species <u>0</u> x 4 = <u>0</u>
				UPL species 0 x 5 = 0
3				Column Totals: 80 (A) 230 (B)
4		-		
5 6		-		Prevalence Index = B/A = 2.87
6		-		Hydrophytic Vegetation Indicators:
7		-		1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9		T-4-1 O-1		✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover:		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 /0 01	total cover.		data in Remarks or on a separate sheet)
1. Microstegium vimineum	65	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Juncus effusus	10	-	FACW	
3. Carex sp.	7	-		¹ Indicators of hydric soil and wetland hydrology must
Salidago sp.	7	-		be present, unless disturbed or problematic.
5 Symphyotrichum pilosum	5	-	FAC	Definitions of Four Vegetation Strata:
6		•		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of
0		-		height.
9.		-		Sapling/Shrub – Woody plants, excluding vines, less
40		-		than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10		-		m, can.
11	0.4	T-4-1 O-1		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.00		= Total Cov		of size, and woody plants less than 3.20 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	2070 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
50% of total cover:		= Total Cov		
Remarks: (Include photo numbers here or on a separate si		total cover.		
remarks. (include prioto numbers here of on a separate si	ileet.)			
No tree, sapling/shrub, or woody vine	e strata	ı were p	oresen	t within this data point.

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	indicator	or confirn	n the absend	ce of indicators.)
Depth	Matrix		Redo	x Feature	s			•
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 3	10YR 4/2	93	7.5YR 4/6	7	С	М	Silt Loan	1
3 - 14	10YR 4/2	90	5YR 4/6	10	С	М	Silt Loan	1
							-	
								_
-								
	-						-	
					-	· ——	-	_
	-							
¹ Type: C=Co	oncentration D=Den	letion RM	=Reduced Matrix, MS	S=Masked	Sand Gr	ains	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil I		iouon, ruvi	reduced Matrix, Me	J WIGORCE	d Carra Cr	unio.		icators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ce (S8) (N	/ILRA 147.		Coast Prairie Redox (A16)
Black Hi			Thin Dark Su		. , .			(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			. ,		Piedmont Floodplain Soils (F19)
Stratified	l Layers (A5)		Depleted Ma	trix (F3)				(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark					Very Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dai					Other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
-	lucky Mineral (S1) (L	.KK N,	Iron-Mangan		es (F12) (LRR N,		
	147, 148) Sleyed Matrix (S4)		MLRA 13 Umbric Surfa		(MI DA 12	6 122)	311	ndicators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					wetland hydrology must be present,
-	Matrix (S6)		Red Parent N					unless disturbed or problematic.
	_ayer (if observed):			(-	/ (,	1	
Type: Ro								
	ches): 14						Hydric So	oil Present? Yes V No
Remarks:							yuou	
Remarks.								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-25
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	
DO 15	tion, Township, Range:
Landform (hillslope, terrace, etc.): Depression Local re	
	Long: -79.49332 Datum: WGS 84
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent	
Are climatic / hydrologic conditions on the site typical for this time of year?	
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Somman or Findings - Attach site map showing sa	implifing point locations, transects, important leatures, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes V No	within a Wetland? Yes V No
Wetland Hydrology Present? Yes No Remarks:	
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric
·	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O Saturation (A3) Oxidized Rhizosphe	dor (C1) Drainage Patterns (B10) eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	✓ Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:
Domorko	
Remarks:	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Acer rubrum	25		FAC	That Are OBL, FACW, or FAC: 2 (A)
Fagus grandifolia	5		FACU	Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/
3				That Are OBL, I ACW, OF I AC.
7.		-		Prevalence Index worksheet:
· •	30	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: <u>15.00</u>				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	2070 01	total cover.		FACW species 0 x 2 = 0
Lindoro honzoin	15	~	FAC	FAC species 40 x 3 = 120
''-			170	FACU species $\frac{7}{7}$ $x = 4$
2				UPL species 0 x 5 = 0
3				1 110
4				Column Totals: 4/ (A) 148 (E
5				Prevalence Index = B/A = 3.14
5				Hydrophytic Vegetation Indicators:
7				
3				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
	15	= Total Cov	<u></u>	3 - Prevalence Index is ≤3.0¹
50% of total cover: 7.50				4 - Morphological Adaptations ¹ (Provide supporti
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Lonicera japonica	2		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Carex sp.	2 2			
` 				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
6				more in diameter at breast height (DBH), regardless
7				height.
8				Continue/Chrub Woody plants evaluating vines less
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardles
	4	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 2.00				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				neight.
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
		= Total Cov		Present? Yes No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No woody vine stratum was present	within t	hic dat	a noint	•
NO WOODLY VILLE STRUCTURE MAS PRESENT	vvitiiiii l	เอ นสโ	a pulll	l.

Profile Desc	ription: (Describe	to the dep	th needed to docun	nent the	indicator	or confirm	the absence	e of indicators.)
Depth	Matrix			x Feature			_	_
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks Remarks
0 - 8	10YR 3/2	95	10YR 4/4	5	<u>C</u>	<u>M</u>	Silty Clay Loam	
8 - 18	10YR 3/3	93	10YR 4/4	7	<u>C</u>	<u>M</u>	Silty Clay Loam	
	-							
-								
					-		-	
				-		· <u> </u>		
1							2	
'Type: C=Co		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		PL=Pore Lining, M=Matrix. cators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(87)				2 cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ice (S8) (N	/ILRA 147.		Coast Prairie Redox (A16)
Black Hi			Thin Dark Su				,	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		ا	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mat		>			(MLRA 136, 147)
	ick (A10) (LRR N) d Below Dark Surface	- (Δ11)	✓ Redox Dark SDepleted Dar	•	,			Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
	ark Surface (A12)	3 (7 (1 1)	Redox Depre		. ,		 `	Curer (Explain in Nemarko)
	lucky Mineral (S1) (L	.RR N,	Iron-Mangane			LRR N,		
	147, 148)		MLRA 136				3.	
	Sleyed Matrix (S4)		Umbric Surfa Piedmont Flo					dicators of hydrophytic vegetation and etland hydrology must be present,
-	edox (S5) Matrix (S6)		Red Parent M					nless disturbed or problematic.
	_ayer (if observed):				, (, <u></u>	noos aletarood or propremient
Type:								
Depth (inc	ches):						Hydric So	il Present? Yes 🚩 No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-421
Investigator(s): RS, LF Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Flat Local rel	
Subregion (LRR or MLRA): P 136 Lat: 36.69886588	
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	
Are climatic / hydrologic conditions on the site typical for this time of year? Y	∕es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problemate	
	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No Yes No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydsoils) were satisfied at this data point.	lrology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od	
Saturation (A3) Oxidized Rhizospher	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (0	
Algal Mat or Crust (B4) Other (Explain in Rer	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) ✓ FAC-Neutral Test (D5)
Field Observations:	- TAC-Neutral Test (D3)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	wettalid riydrology Freselit: Tes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Normans.	

Sampling	Point:	DP-421
Sambillu	r Oll It.	

00.6	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
2				
3				Total Number of Dominant Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species 10 x 1 = 10
50% of total cover:	20% of	total cover		FACW species 20 $\times 2 = 40$
Sapling/Shrub Stratum (Plot size: 15 ft r)	10		ODI	FAC species 45 x 3 = 135
1. Salix nigra			OBL	FACUspecies $\frac{10}{7}$ $\frac{100}{2}$ $\frac{100}{2}$
2				The species x -
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>82</u> (A) <u>213</u> (B)
5				Prevalence Index = B/A = 2.59
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
0	10	= Total Cov		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 5.00	20% of			4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r	20 /0 0.	total cover		data in Remarks or on a separate sheet)
1. Microstegium vimineum	45	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Juncus effusus	20		FACW	
3. Solidago altissima	7		FACU	¹ Indicators of hydric soil and wetland hydrology must
	5		1,400	be present, unless disturbed or problematic.
4. Carex sp.				Definitions of Four Vegetation Strata:
5				Tree Woody plants evaluding vince 2 in (7.6 cm) or
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				Herb – All herbaceous (non-woody) plants, regardless
	77	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>38.50</u>				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				neight.
2				
3				
4				
				Hydrophytic
5				Vegetation Present? Yes V No No No
50% of total cover:		= Total Cov		
Remarks: (Include photo numbers here or on a separate s		total cover.	<u> </u>	
Remarks. (include prioto numbers here or on a separate s	neet.)			
No tree or woody vine strata were pr	esent v	vithin tl	nis data	a point.

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	n the absence	e of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 9	10YR 5/2	93	7.5YR 4/4	7	С	М	Sandy Loam	
9 - 18	2.5Y 5/2	90	7.5YR 4/4	10	С	М	Silt Loam	
					-			
				-	-			
-								
-								
				-	-		-	
							-	
1 _{Type:} C=C	oncontration D=Dan	lotion DM	=Doduced Matrix MS		d Sand Cr	oine	² Location: F	PL = Doro Lining M=Matrix
Hydric Soil		netion, Rivi	=Reduced Matrix, MS	s=iviaske	a Sana Gr	ains.		PL=Pore Lining, M=Matrix. eators for Problematic Hydric Soils ³ :
-			Dark Surface	(87)				· ·
Histosol	oipedon (A2)		Dark Surface Polyvalue Be		aca (S8) (I	MI DA 147		2 cm Muck (A10) (MLRA 147) Coast Prairie Redox (A16)
	stic (A3)		Tolyvalde Be				, 140) \	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			147, 140)	F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma		(-)		<u> </u>	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	, ,	F6)		\	Very Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar					Other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre					, ,
Sandy N	Mucky Mineral (S1) (LRR N,	Iron-Mangan	ese Mass	ses (F12) ((LRR N,		
MLRA	A 147, 148)		MLRA 13	6)				
Sandy G	Sleyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 1	36, 122)	³ Ind	dicators of hydrophytic vegetation and
Sandy F	Redox (S5)		Piedmont Flo	odplain 9	Soils (F19)	(MLRA 14	48) w	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (l	F21) (MLR	RA 127, 147	7) ur	nless disturbed or problematic.
Restrictive	Layer (if observed)							
Type:								
Depth (in	ches):						Hydric Soi	I Present? Yes V No No
Remarks:							1	

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-422
Investigator(s):RS, LF Sect	tion, Township, Range:
Landform (hillslope, terrace, etc.): Flat Local re	elief (concave, convex, none): None Slope (%): 1
Subregion (LRR or MLRA): P 136 Lat: 36.6989408	
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	25 percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	ırbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No ✔	within a Wetland? Yes No
Remarks:	1
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	etiana nyarology, nyaropnytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O	
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reducti	
Drift Deposits (B3) Thin Muck Surface (Algal Mat or Crust (B4) Other (Explain in Re	
Algal Mat 01 Clust (B4) Other (Explain in Re	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:
, , , , , , , , , , , , , , , , , , , ,	
Remarks:	
No hydrology was observed at this data point.	

	names of p			Sampling Point: DP-422
Tree Stratum (Plot size: 30 ft r)	Absolute [<u>% Cover</u>	Dominant		Dominance Test worksheet:
l)			Status	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
)				Total Number of Dominant
3				Species Across All Strata: 2 (B)
k				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 50.00 (A/B
S				
7				Prevalence Index worksheet:
	=	Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of to	otal cover		OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{40}{2}$ x 2 = $\frac{80}{2}$
				FAC species $0 \times 3 = 0$
2				FACU species $\frac{50}{2}$ $x 4 = \frac{200}{2}$
3				UPL species $0 \times 5 = 0$
l				Column Totals: 90 (A) 280 (B)
5				Prevalence Index = B/A = 3.11
5				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
3				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	=	Total Cov	er	1
50% of total cover:	20% of to	otal cover		4 - Morphological Adaptations¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
_{1.} Dichanthelium scoparium	40		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Solidago altissima	40		FACU	1
3. Andropogon virginicus	5		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
_{1.} Poa pratensis	5		FACU	Definitions of Four Vegetation Strata:
5.				John Mondo of Four Vogotation Official
S				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
3				
).				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Have All barbassaus (non woody) plants, regardlesses
	00	Total Cov	er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45.0				
Noody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
				Holght.
l.				
1				
2.				
2				
2				Hydrophytic
2				Hydrophytic Vegetation Present? Yes No _ ✓
2	 =	Total Cov	er	Vegetation

Sampling Point: DP-422

Depth	Matrix	%		ox Featur	es1	1 2	Tardina		De '	
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture Cit Loom		Remark	(S
0 - 3	10YR 3/3	100	<u> </u>	_	_		Silt Loam			
3 - 16	7.5YR 4/3	95	5YR 5/6	5	<u> </u>	<u>M</u>	Silt Loam			
16 - 18	10YR 6/3	95	7.5YR 4/6	5	С	М	Silty Clay Loam			
-				- '-		-				
		_	-			· ——				
					_					
-				_						
-										
-										
					_					
		— — DA	4-Doduced Metrix N		d Cand Cr		2l continue Di	-Doro Linin	a M-Moto	
	Indicators:	epietion, Riv	/I=Reduced Matrix, N	/IS=IVIASKE	ed Sand Gr	ains.	² Location: Pl	tors for Pr	ng, M=Matr	Hydric Soils ³ :
_ Histosol			Dark Surfac	e (S7)				cm Muck (A		
	oipedon (A2)		Polyvalue B		ace (S8) (I	MI RA 147.		oast Prairie		
_ Hlack Hi			Thin Dark S				0	(MLRA 147		0)
	n Sulfide (A4)		Loamy Gley			, .,	Р	iedmont Flo		ils (F19)
	d Layers (A5)		Depleted M		(/		<u> </u>	(MLRA 136		()
	ick (A10) (LRR N)		Redox Dark		'F6)		V	ery Shallow		ace (TF12)
	d Below Dark Surfa	ace (A11)	Depleted Da		. ,			ther (Explain		
	ark Surface (A12)	, ,	Redox Dep		, ,					,
	lucky Mineral (S1)	(LRR N,	Iron-Manga			LRR N,				
	A 147, 148)		MLRA 1							
Sandy G	Bleyed Matrix (S4)		Umbric Sur	face (F13)	(MLRA 1	36, 122)	³ Ind	icators of hy	drophytic v	egetation and
	Redox (S5)		Piedmont F	loodplain	Soils (F19)	(MLRA 14	I8) we	tland hydrol	ogy must b	e present,
Stripped	Matrix (S6)		Red Parent	Material (F21) (MLR	A 127, 147	7) unl	ess disturbe	ed or proble	ematic.
0ppou										
	Layer (if observed	i):								
	Layer (if observed	i):								
estrictive I		i):					Hydric Soil	Present?	Yes	No <u></u> ✓
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u>~</u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u>~</u>
estrictive I Type: Depth (inc		i): 					Hydric Soil	Present?	Yes	No <u> </u>
Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u> </u>
estrictive I Type: Depth (inc		i): 	<u></u>				Hydric Soil	Present?	Yes	No <u> </u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u> </u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u> </u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No_ <u>~</u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u>~</u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u>~</u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No V
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No V
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u>v</u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No V
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No V
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u> </u>
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u> </u>
Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u> </u>
Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u> </u>
Restrictive L		i):					Hydric Soil	Present?	Yes	No <u> </u>
Restrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No V
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No V
Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No V
estrictive I Type: Depth (inc		i):					Hydric Soil	Present?	Yes	No <u>v</u>

Project/Site: Southeast Supply Enhancement Project Cit	ty/County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	
Investigator(s):RS, LF	ection, Township, Range:
Landform (hillslope, terrace, etc.): Flat Local	
	Long:79.47671467
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 t	
Are climatic / hydrologic conditions on the site typical for this time of year?	? Yes V No (If no, explain in Remarks.)
	sturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally proble	
	ampling point locations, transects, important features, etc.
V N- d	
Trydrophylic vegetation resent:	Is the Sampled Area
Hydric Soil Present? Wetland Hydrology Present? Yes No No V	within a Wetland? Yes No
Remarks:	
hydric soils) were satisfied at this data point.	vetland hydrology, hydrophytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plan	
High Water Table (A2) Hydrogen Sulfide	
Saturation (A3) Oxidized Rhizospl Water Marks (B1) Presence of Redu	heres on Living Roots (C3) Moss Trim Lines (B16) uced Iron (C4) Dry-Season Water Table (C2)
	ction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface	
Algal Mat or Crust (B4) Other (Explain in F	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):_	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:
Remarks:	
No hydrology was observed at this data poin	t; only one secondary indicator was present.

	Absolute	Dominant	Indicator	Dominance Test worksheet:		
		Species?		Number of Dominant Species		
				That Are OBL, FACW, or FAC:	1	(A)
				Total Number of Dominant Species Across All Strata:	2	(B)
				Opecies Across Air Otrata.		(D)
				Percent of Dominant Species	E0 00	
•				That Are OBL, FACW, or FAC:	50.00	(A/I
i				Prevalence Index worksheet:		
				Total % Cover of:	Multiply by:	
		= Total Cov		OBL species 0 x		
50% of total cover:	20% of	total cover:		FACW species 47 x		_
apling/Shrub Stratum (Plot size: 15 ft r)						_
				1710 opeoico X		_
					4 = 140	_
<u>. </u>				UPL species 0 x	5 = 0	_
				Column Totals: 92 (A	₍₁₎ <u>264</u>	(B
-					2.06	
				Prevalence Index = B/A =		_
				Hydrophytic Vegetation Indica	itors:	
				1 - Rapid Test for Hydrophy	tic Vegetation	
				2 - Dominance Test is >50%	ó	
				3 - Prevalence Index is ≤3.0) ¹	
		= Total Cov		4 - Morphological Adaptation	ns¹ (Provide sur	porti
50% of total cover:	20% of	total cover:		data in Remarks or on a		
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Ve		
Juncus effusus	40		FACW	1 Toblematic Trydrophytic ve	getation (Expla	,
Solidago altissima	35		FACU	The disease of books and one		
_ Dichanthelium clandestinum	10		FAC	¹ Indicators of hydric soil and wet		must
Elymus virginicus	7		FACW	Definitions of Four Vegetation		
j				Definitions of Four Vegetation	Sirata.	
				Tree - Woody plants, excluding		
				more in diameter at breast heigh	it (DBH), regard	less o
<u></u>				height.		
J				Sapling/Shrub – Woody plants,	excluding vines	s, less
)				than 3 in. DBH and greater than	or equal to 3.28	3 ft (1
0				m) tall.		
1				Herb – All herbaceous (non-woo	ody) plants, rega	ardles
	92	= Total Cov	er	of size, and woody plants less th		
50% of total cover: 46.00	20% of	total cover:	18.40	Woody vine – All woody vines of	aroator than 3 29	Q ft in
Voody Vine Stratum (Plot size: 30 ft r)				height.	jieatei tilali 5.20	ווו זו כ
				- 3 -		
				Hydrophytic		
j				Vegetation Present? Yes	No	
		= Total Cov		rieseit: les		
50% of total cover:		total cover:				
Remarks: (Include photo numbers here or on a separate sh	neet.)		·			_
lo troo capling/chrub or woody vina	ctroto	Moror	rocon	t within this data nain	+	
to tree, sapinig/siliub, or woody vine	ะรแสเล	were p	nesen	t within this data poin	ι.	
No tree, sapling/shrub, or woody vine	e strata	were p	resen	t within this data poin	t.	

US Army Corps of Engineers

Sampling Point: DP-423

SOIL

Profile Desc	cription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 7	10YR 5/3	97	7.5YR 5/6	3	<u> </u>	M	Silt Loam	
7 - 18	7.5YR 5/4	97	7.5YR 4/6	3	С	М	Silt Loam	
					_			
	-							
					_			
-								
		_			_			
		_	·					
					_			
¹Tvpe: C=C	oncentration. D=De	pletion. RN	/=Reduced Matrix, M	S=Maske	ed Sand Gr	ains.	² Location: PL	.=Pore Lining, M=Matrix.
Hydric Soil			, , , , , , , , , , , , , , , , , , , ,					tors for Problematic Hydric Soils ³ :
Histosol			Dark Surface	e (S7)			2 (cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ace (S8) (I	MLRA 147		past Prairie Redox (A16)
	istic (A3)		Thin Dark Su					(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		Pi	edmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma					(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	ce (A11)	Depleted Da				Ot	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	Mucky Mineral (S1) (LRR N,	Iron-Mangan		ses (F12) ((LRR N,		
	A 147, 148)		MLRA 13		/MI DA 44	00 400\	31	
	Gleyed Matrix (S4)		Umbric Surfa					cators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					land hydrology must be present,
	d Matrix (S6) Layer (if observed)	\-	Red Parent N	viateriai ((FZI) (IVILK	A 121, 14	7) unit	ess disturbed or problematic.
	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Su	upply Enhancem	ent Project City/C	ounty: Pittsylvania C	ounty s	Sampling Date: 2025-02-24
Applicant/Owner: Transcon	tinental Gas Pipe	Line Company, LLC		State: Virginia	Sampling Point: DP-424
Investigator(s):RS, LF		Section	on, Township, Range:		
Landform (hillslope, terrace, et			·		
Subregion (LRR or MLRA): P					Datum: WGS 84
Soil Map Unit Name: 21D - F					
Are climatic / hydrologic condi					
Are Vegetation , Soil	, or Hydrology	significantly disturb	ped? Are "Normal	Circumstances" pre	esent? Yes No
Are Vegetation, Soil				explain any answers	
					important features, etc.
Hydrophytic Vegetation Pres Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes _	/ No / No / No	Is the Sampled Area within a Wetland?	Yes <u></u>	No
All three wetland p soils) were satisfied HYDROLOGY			rology, hydropl	hytic vegetat	tion, and hydric
Wetland Hydrology Indicat	ors.			Secondary Indicato	rs (minimum of two required)
Primary Indicators (minimum		heck all that annly)		Surface Soil Cr	
Surface Water (A1)	•	True Aquatic Plants (R14)		tated Concave Surface (B8)
High Water Table (A2)		Hydrogen Sulfide Odd		Drainage Patte	
Saturation (A3)		Oxidized Rhizosphere		Moss Trim Line	
Water Marks (B1)		Presence of Reduced		Dry-Season Wa	
Sediment Deposits (B2)		Recent Iron Reduction		Crayfish Burrov	
Drift Deposits (B3)		Thin Muck Surface (C			ble on Aerial Imagery (C9)
Algal Mat or Crust (B4)		Other (Explain in Rem			essed Plants (D1)
Iron Deposits (B5)			,	Geomorphic Po	
Inundation Visible on Ae	erial Imagery (B7)			Shallow Aquita	
Water-Stained Leaves (I	B9)			Microtopograph	nic Relief (D4)
Aquatic Fauna (B13)				FAC-Neutral Te	est (D5)
Field Observations:					
Surface Water Present?	Yes No _	Depth (inches):			
Water Table Present?	Yes 🔽 No _	Depth (inches): 6			
Saturation Present?	Yes _ No _	Depth (inches): 1	Wetland H	lydrology Present?	Yes No
(includes capillary fringe) Describe Recorded Data (str	ream gauge monitoriu	na well perial photos prev	vious inspections) if ava	ilahla:	
Describe Necorded Data (Sti	eam gauge, monitorii	ng well, aerial priotos, pre-	vious irispections), ii ava	illable.	
Remarks:					

		EGETATION (Four Strata) – Use scientific names of plants.					
Tree Stratum (Plot size: 30 ft r) %		Dominant		Dominance Test worksheet:			
1	6 Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)			
2				Total Number of Dominant			
3				Species Across All Strata: 1 (B)			
4							
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)			
6				That Are OBE, I AGW, OF AG.			
7				Prevalence Index worksheet:			
		= Total Cove		Total % Cover of: Multiply by:			
50% of total cover:				OBL species 0 x 1 = 0			
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 85 $\times 2 = 170$			
1				FAC species $0 \times 3 = 0$			
2				FACU species 15 x 4 = 60			
3				UPL species <u>0</u>			
4				Column Totals: 100 (A) 230 (B)			
5				2 20			
6				Prevalence Index = B/A = 2.30			
7				Hydrophytic Vegetation Indicators:			
8				✓ 1 - Rapid Test for Hydrophytic Vegetation			
^				✓ 2 - Dominance Test is >50%			
9		Total Cove		✓ 3 - Prevalence Index is ≤3.0 ¹			
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting			
Herb Stratum (Plot size: 5 ft r)		-		data in Remarks or on a separate sheet)			
	'5	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
2 Glechoma hederacea 1	5		FACU				
3 Juncus effusus 10	0		FACW	¹ Indicators of hydric soil and wetland hydrology must			
4				be present, unless disturbed or problematic.			
5				Definitions of Four Vegetation Strata:			
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or			
7				more in diameter at breast height (DBH), regardless of height.			
r				neight.			
9.				Sapling/Shrub – Woody plants, excluding vines, less			
10				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
11							
	^^	Total Cove		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
50% of total cover: 50.00							
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in			
1				height.			
2							
3							
4							
5				Hydrophytic Vegetation			
		Total Cove		Present? Yes V No No			
50% of total cover:							

Sampling Point: DP-424

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirn	n the absence o	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 10	10YR 4/1	95	7.5YR 4/4	5	<u>C</u>	M	Silt Loam	
10 - 17	10YR 4/1	90	7.5YR 4/6	10	<u>C</u>	<u>M</u>	Silt Loam	
17 - 18	7.5YR 4/1	85	5YR 4/6	15	С	<u>M</u>	Silty Clay Loam	
-								
-					_			
				-				
	-							
								
								
1 _{Type:} C=C	noontration D-Dar	lotion DM	I=Roduced Metrix, MS		d Sand Ci	roine	² Location: DI	=Pore Lining, M=Matrix.
Hydric Soil		netion, Riv	I=Reduced Matrix, MS	S=IVIaske	a Sana Gi	ains.		eors for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be	, ,	ace (S8) (I	MI RA 147.		east Prairie Redox (A16)
Black Hi			Thin Dark Su		. , .		• —	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			141, 140,		edmont Floodplain Soils (F19)
	I Layers (A5)		<u>✓</u> Depleted Ma		(1 2)			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	, ,	E6)			ry Shallow Dark Surface (TF12)
		o (A11)	Depleted Dai		,			her (Explain in Remarks)
	Below Dark Surfac	E (ATT)	Redox Depre				0	iei (Expiaiii iii Keinaiks)
	ark Surface (A12)	LDDN				(LDD N		
	lucky Mineral (S1) (LKK N,	Iron-Mangan		ses (F12)	LKK N,		
	147, 148)		MLRA 13		(BB) DA 4		3,	
	leyed Matrix (S4)		Umbric Surfa					cators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					and hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F21) (MLF	RA 127, 147	7) unle	ess disturbed or problematic.
Restrictive I	ayer (if observed)	:						
Type:	-							
	ches):						Hydric Soil F	Present? Yes V No No
Remarks:								

ylvania County Sampling Date: 2025-02-24
State: Virginia Sampling Point: DP-425
Range:
convex, none): Concave Slope (%): 0
Long:79.473735 Datum: WGS 84
slopes NWI classification: N/A
o (If no, explain in Remarks.)
re "Normal Circumstances" present? Yes No
f needed, explain any answers in Remarks.)
nt locations, transects, important features, etc.
oled Area vtland? Yes <u>V</u> No
nydrophytic vegetation, and hydric
Secondary Indicators (minimum of two required)
Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Is (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Wetland Hydrology Present? Yes No
ons), if available:

Sampling	Point:	DP-425

00.6	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species	
1. Acer rubrum	50		FAC	That Are OBL, FACW, or FAC: 3 (A	١)
2					,
				Total Number of Dominant	
3				Species Across All Strata: 4 (B	3)
4				Percent of Dominant Species	
5					/B)
6				(,
				Prevalence Index worksheet:	
7	50 :			Total % Cover of: Multiply by:	
05.00		= Total Cov		OBL species 0 x 1 = 0	
50% of total cover: 25.00	20% of	total cover:	10.00		
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{7}{122}$ $\times 2 = \frac{14}{122}$	
1. Platanus occidentalis	7	✓	FACW	FAC species 120 x 3 = 360	
·				FACU species <u>5</u>	
2				UPL species 0 x 5 = 0	
3				400	
4				Column Totals: 132 (A) 394 ((B)
5				2.00	
				Prevalence Index = B/A = 2.98	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8				✓ 2 - Dominance Test is >50%	
9					
	7 .	= Total Cov		3 - Prevalence Index is ≤3.0 ¹	
500/ of total according 50	20% of			4 - Morphological Adaptations ¹ (Provide suppor	ting
	20% 01	total cover:	1.40	data in Remarks or on a separate sheet)	
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)	
1. Microstegium vimineum	65		FAC	Problematic Hydrophytic vegetation (Explain)	
2. Carex sp.	7				
3 Smilax rotundifolia	5		FAC	¹ Indicators of hydric soil and wetland hydrology mus	st
3. Crimax rotalianolla				be present, unless disturbed or problematic.	
4				Definitions of Four Vegetation Strata:	
5					
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm)	or or
				more in diameter at breast height (DBH), regardless	of
7				height.	
8				Sapling/Shrub – Woody plants, excluding vines, les	88
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.	
11.					
11	77			Herb – All herbaceous (non-woody) plants, regardle	ess
00.50		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: <u>38.50</u>	20% of	total cover:	15.40	Woody vine – All woody vines greater than 3.28 ft i	n
Woody Vine Stratum (Plot size: 30 ft r)				height.	
1. Lonicera japonica	5	✓	FACU		
2.					
3					
4				Hydrophytic	
5.				Vegetation	
	5 .	= Total Cov		Present? Yes V No No	
50% of total cover: 2.50		total cover:			
		total cover.			
Remarks: (Include photo numbers here or on a separate si	heet.)				

SOIL Sampling Point: DP-425

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 3	7.5YR 4/1	97	7.5YR 3/3	3	С	M	Silt Loam	
3 - 9	10YR 4/2	95	7.5YR 3/4	5	С	М	Silt Loam	
9 - 18	2.5Y 5/2	95	7.5YR 5/6	5	С	М	Silty Clay Loam	
						·		
			·			· ——		
			·			· 	·	
						. ———		
				-	-			
-								
1Type: C=Cc	ncentration D=Den	letion RM	=Reduced Matrix, MS	S=Masker	d Sand Gr	aine	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I		neuon, raw	-reduced Matrix, Me	J-Masket	d Garia Gi	airio.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ice (S8) (N	/ILRA 147,		coast Prairie Redox (A16)
Black His			Thin Dark Su					(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	Layers (A5)		<u>✓</u> Depleted Ma		-0)			(MLRA 136, 147)
	ck (A10) (LRR N) I Below Dark Surfac	o (A11)	Redox Dark S Depleted Dar	•	,			ery Shallow Dark Surface (TF12) other (Explain in Remarks)
	rk Surface (A12)	C (ATT)	Redox Depre					The (Explain in Remarks)
	lucky Mineral (S1) (I	LRR N,	Iron-Mangan			LRR N,		
-	147, 148)		MLRA 13		, , ,			
-	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	·21) (MLR	A 127, 147	7) un	less disturbed or problematic.
	_ayer (if observed):							
Type:	ches):						Hydric Soil	Present? Yes V No No
	nes)						Hydric Soil	rieseitt! TesNO
Remarks:								

Project/Site: Southeast Su	ipply Enhanc	ement	Project City/C	_{ounty:} Pittsylvania C	ounty	Sampling Date: 2025-02-24		
Applicant/Owner: Transcont						Sampling Point: DP-426		
Investigator(s):RS, LF				n, Township, Range:		· -		
Landform (hillslope, terrace, et								
Subregion (LRR or MLRA): P	136	Lat.	36.702368			Datum: WGS 84		
Soil Map Unit Name: 21D - F	oplar Forest	fine sa	ındy loam, 15 to 2					
Are climatic / hydrologic condit	ions on the site	ypical fo	r this time of year? Ye	es No	(If no, explain in Re	marks.)		
						esent? Yes <u> </u>		
Are Vegetation, Soil								
						important features, etc.		
			No		<u> </u>	<u> </u>		
Hydrin Soil Propert?	ent? Yes		No	Is the Sampled Area				
Hydric Soil Present? Wetland Hydrology Present?			No —	within a Wetland?	Yes _	No		
Remarks:		<u> </u>						
All three wetland page soils) were satisfied						, ,		
HYDROLOGY								
Wetland Hydrology Indicate						ors (minimum of two required)		
Primary Indicators (minimum	of one is require				Surface Soil Cracks (B6)			
Surface Water (A1)			True Aquatic Plants (E		Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2)			Hydrogen Sulfide Odd		Drainage Patterns (B10)			
Saturation (A3)				es on Living Roots (C3)	Moss Trim Line			
Water Marks (B1) Sediment Deposits (B2)			Presence of Reduced Recent Iron Reduction			ater Table (C2)		
Sediment Deposits (B2) Drift Deposits (B3)			Thin Muck Surface (C		Crayfish Burro			
Algal Mat or Crust (B4)			Other (Explain in Rem		Saturation Visible on Aerial Imagery (C9)			
Iron Deposits (B5)			Other (Explain in Neil	iaino)	<pre> Stunted or Stressed Plants (D1) Geomorphic Position (D2)</pre>			
Inundation Visible on Ae	rial Imagery (B7	i			Shallow Aquitard (D3)			
Water-Stained Leaves (E					Microtopographic Relief (D4)			
Aquatic Fauna (B13)					FAC-Neutral T			
Field Observations:								
Surface Water Present?	Yes N	o	Depth (inches): 0.25	<u>; </u>				
Water Table Present?	Yes _ 🗸 N	o	Depth (inches): 6					
Saturation Present? (includes capillary fringe)	Yes N	٥	Depth (inches): 0	Wetland H	Hydrology Present	? Yes No		
Describe Recorded Data (str	eam gauge, mor	itoring w	ell, aerial photos, prev	vious inspections), if ava	ilable:			
Remarks:								

Sampling	Point:	DP-426
Gairibiliu	I OIIIL.	

7 01 1 (B) 1 20 ft r	Absolute	Dominant		Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species	
1. Acer rubrum	40		FAC	That Are OBL, FACW, or FAC: 2	(A)
2. Cornus amomum 3.	7		FACW	Total Number of Dominant Species Across All Strata: 3	(B)
4					(-)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.66	(A/B)
6				Prevalence Index worksheet:	
7					
		= Total Cov		Total % Cover of: Multiply by:	
50% of total cover: 23.50	20% of	total cover:	9.40	OBL species $0 \times 1 = 0$	•
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{7}{2}$ x 2 = $\frac{14}{2}$	•
_{1.} Carya sp.	7	✓		FAC species <u>85</u> x 3 = <u>255</u>	•
2. Prunus serotina	5		FACU	FACU species <u>5</u>	-
				UPL species $0 \times 5 = 0$	
3				Column Totals: 97 (A) 289	(B)
4				Coldinii Totals (A)	_ (D)
5 6				Prevalence Index = B/A = 2.97	
				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
8				✓ 2 - Dominance Test is >50%	
9				✓ 3 - Prevalence Index is ≤3.0 ¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supp	ortina
	20% of	total cover:	2.40	data in Remarks or on a separate sheet)	orting
Herb Stratum (Plot size: 5 ft r)					
1. Microstegium vimineum	35	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain	٦)
2 Carex sp.	10				
3. Smilax rotundifolia	10		FAC	¹ Indicators of hydric soil and wetland hydrology m	ıust
				be present, unless disturbed or problematic.	
4				Definitions of Four Vegetation Strata:	
5				Tree – Woody plants, excluding vines, 3 in. (7.6 c	m) or
6				more in diameter at breast height (DBH), regardle	
7				height.	
8					_
9				Sapling/Shrub – Woody plants, excluding vines, than 3 in. DBH and greater than or equal to 3.28	
				m) tall.	11 (1
10				,	
11	55	= Total Cov		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	dless
50% of total cover: 27.50				of size, and woody plante loos than c.ze it tail.	
20 ft #	2070 01	total oover.		Woody vine – All woody vines greater than 3.28	ft in
				height.	
1					
2					
3					
4				Hydrophytic	
5				Vegetation	
_		= Total Cov	er	Present? Yes V No No	
50% of total cover:					
Remarks: (Include photo numbers here or on a separate s					
Tremaine. (medade prote nambers here or on a separate o	ncci.)				
No woody vine stratum was present	within t	his dat	a point	t.	
			- p		

iie Des	cription: (Describ	e to the de	epth needed to docu			or confir	m the absence of	· maioatoroi,
th	Matrix			ox Feature		1 2	T 4	Demonde
hes)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
1 - 7	7.5YR 4/2	97	7.5YR 3/4	3	<u>C</u>	_ <u>M</u>	Silt Loam	
- 18	7.5YR 4/1	99	7.5YR 3/1	1	<u>C</u>	_ <u>M</u>	Clay Loam	
-						_		
-								
_					· -			
			_					
-			_					
-								
						-	2	
		epletion, RI	M=Reduced Matrix, M	S=Masked	d Sand G	rains.		Pore Lining, M=Matrix.
	Indicators:		5 . 6 .	(O=)				ors for Problematic Hydric Soils
Histosol			Dark Surfac		(00)			m Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue B					ast Prairie Redox (A16)
	istic (A3) en Sulfide (A4)		Thin Dark S Loamy Gley			147, 140)		MLRA 147, 148) dmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma		(1 2)			MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		- 6)			ry Shallow Dark Surface (TF12)
	d Below Dark Surfa	ace (A11)	Depleted Da					ner (Explain in Remarks)
	ark Surface (A12)		Redox Depr					
Sandy N	Mucky Mineral (S1)	(LRR N,	Iron-Mangai	nese Mass	es (F12)	(LRR N,		
	A 147, 148)		MLRA 1					
	Gleyed Matrix (S4)		Umbric Surf					ators of hydrophytic vegetation and
	Redox (S5)		Piedmont FI					and hydrology must be present,
	d Matrix (S6)	IN.	Red Parent	Material (F	-21) (ML I	RA 127, 14	17) unles	ss disturbed or problematic.
	Layer (if observed	1):						
ype:								
	ches):						Hydric Soil P	resent? Yes 🗸 No
arks:								

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2025-02-24						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-427							
Investigator(s):RS, LF Section, Township, Range:							
andform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Linear Slope (%): 5							
	Long: -79.473737 Datum: WGS 84						
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	25 percent slopes NWI classification: R4SBC						
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No							
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No						
Wetland Hydrology Present? Yes No 🗸	within a Wetland?						
Remarks:							
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	Additional Trydrology, Trydrophlytic Vegetation, or						
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants							
High Water Table (A2) Hydrogen Sulfide Oc							
	res on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduce Sediment Deposits (B2) Recent Iron Reduction							
Sediment Deposits (B2) Recent non Reduction Drift Deposits (B3) Thin Muck Surface (in							
Algal Mat or Crust (B4) Other (Explain in Re							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
No hydrology was observed at this data point.							

/EGETATION (Four Strata) – Use scientific	names of	plants.		Sampling Point: DP-427
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
				That Are OBE, I ACW, OF I AC (A)
2				Total Number of Dominant Species Across All Strata: 2 (B)
~				Species Across All Strata: 2 (B)
4 5				Percent of Dominant Species That Are ORL FACW or FAC: 50.00 (A/R)
6				That Are OBL, FACW, or FAC: 50.00 (A/B)
7				Prevalence Index worksheet:
·		= Total Cov	/er	Total % Cover of: Multiply by:
50% of total cover:				OBL species <u>0</u> x 1 = <u>0</u>
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 2 x 2 = 4
1				FAC species <u>50</u> x 3 = <u>150</u>
2				FACU species <u>37</u> x 4 = <u>148</u>
3				UPL species <u>0</u> x 5 = <u>0</u>
4				Column Totals: <u>89</u> (A) <u>302</u> (B)
5				2 20
6				Prevalence Index = B/A = 3.39
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				2 - Dominance Test is >50%
		= Total Cov	ver	3 - Prevalence Index is ≤3.0¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	50	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Poa pratensis	25	~	FACU	1
3. Rubus argutus	7		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Andropogon virginicus	5		FACU	Definitions of Four Vegetation Strata:
5. Elymus virginicus	2		FACW	Definitions of Four Vegetation Strata.
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	00	= Total Cov	/er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 44.5	0 20% of	f total cover	<u>: 17.80</u>	Weedy vine All weedy vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	ver .	Present? Yes No
50% of total cover:	20% of	f total cover	<u> </u>	
Remarks: (Include photo numbers here or on a separate	sheet.)			1
No tree, sapling/shrub, or woody vir	ne strata	a were	presen	t within this data point.

SOIL Sampling Point: DP-427

Profile Desc	ription: (Describe	to the depth	needed to docum	ent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			<u>Features</u>		. 2	- .	5
(inches) 0 - 3	Color (moist) 10YR 4/3	<u>%</u> _	Color (moist)	<u>%</u>	Type ¹	Loc ²	<u>Texture</u>	Remarks
		100					Silt Loam	
3 - 18	7.5YR 4/4	100					Silt Loam	
-								
_		·						
		· —— -						
		· —— -						
		·						
	ncentration, D=Dep	letion, RM=F	Reduced Matrix, MS	=Masked	Sand Gra	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	. ,	(00) (1)			2 cm Muck (A10) (MLRA 147)
Histic Ep	ipedon (A2)		Polyvalue Bel Thin Dark Su				148) (Coast Prairie Redox (A16) (MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			47, 140)	F	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mat		-)		'	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S		6)		\	/ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar		. ,		0	Other (Explain in Remarks)
	rk Surface (A12)		Redox Depre					
-	ucky Mineral (S1) (L	₋RR N,	Iron-Mangane		es (F12) (I	LRR N,		
	147, 148) leyed Matrix (S4)		MLRA 136 Umbric Surfa		MIRA 13	6 122)	³ Inc	licators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent M					less disturbed or problematic.
	ayer (if observed):			•				·
Type:			<u></u>					
Depth (inc	:hes):		<u></u>				Hydric Soil	Present? Yes No 🗸
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/County	Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-428
Investigator(s):RS, LF Section, To	wnship, Range:
Landform (hillslope, terrace, etc.): Open Depression Local relief (co	
	Long:79.469822 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 pe	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampling	g point locations, transects, important features, etc.
Ludrio Soil Drocont?	e Sampled Area in a Wetland? Yes No
All three wetland parameters (i.e., wetland hydrolo	gy, hydrophytic vegetation, and hydric
soils) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B14) High Water Table (A2) Hydrogen Sulfide Odor (C1 Saturation (A3) Oxidized Rhizospheres on Water Marks (B1) Presence of Reduced Iron Sediment Deposits (B2) Recent Iron Reduction in T Drift Deposits (B3) Thin Muck Surface (C7) Algal Mat or Crust (B4) Other (Explain in Remarks) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations:	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Living Roots (C3) Moss Trim Lines (B16) (C4) Dry-Season Water Table (C2) illed Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	
Remarks:	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r		Species?		
1				Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A
				That Are OBE, I AGW, OF I AG.
2				Total Number of Dominant
3		-		Species Across All Strata: 4 (E
4				Dercent of Deminent Charles
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00
6				matric obe, traow, of the
				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species 15 x 1 = 15
50% of total cover:	20% of	total cover:		
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{30}{25}$ $\times 2 = \frac{60}{75}$
1. Salix nigra	15		OBL	FAC species <u>25</u> x 3 = <u>75</u>
2				FACU species 30 x 4 = 120
				UPL species <u>0</u> x 5 = <u>0</u>
3				Column Totals: 100 (A) 270
4				(7)
5				Prevalence Index = B/A = 2.70
6				Hydrophytic Vegetation Indicators:
7				
8				1 - Rapid Test for Hydrophytic Vegetation
9		-		✓ 2 - Dominance Test is >50%
ə	15	T-4-1 O		✓ 3 - Prevalence Index is ≤3.0¹
750		= Total Cov		4 - Morphological Adaptations ¹ (Provide suppor
50% of total cover: <u>7.50</u>	20% of	total cover:	3.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
1. Juncus effusus	30	✓	FACW	Troblematic Trydrophytic Vegetation (Explain)
2. Solidago altissima	30	~	FACU	
3 Dichanthelium clandestinum	25	~	FAC	¹ Indicators of hydric soil and wetland hydrology mus
4.				be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm
6				more in diameter at breast height (DBH), regardless
7				height.
8				
9.				Sapling/Shrub – Woody plants, excluding vines, le than 3 in. DBH and greater than or equal to 3.28 ft
10				m) tall.
		-	-	,
11	0.5			Herb – All herbaceous (non-woody) plants, regardle
40.50		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 42.50	20% of	total cover:	17.00	Woody vine – All woody vines greater than 3.28 ft
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
			-	
4				Hydrophytic
5				Vegetation
	:	= Total Cov	er	Present? Yes V No No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
	•			
No tree or woody vine strata were pr	esent v	vithin tl	าเร dat	a point.

(inches) Color (moist) 0 - 4 10YR 5/2		Color (majet)	x Feature		Loc ²	Toytura	Domorko
0-4 IUTK 3/2	% 93	Color (moist) 10YR 5/8	<u> </u>	Type ¹	M	Texture Silt Loam	Remarks
4 45 40)/5 5/4	-	· •———					
4 - 15 <u>10YR 5/1</u>	95	7.5YR 4/6	5	<u>C</u>	<u>M</u>	Silt Loam	
<u> </u>							
-							
			-				
<u> </u>		<u> </u>					
<u> </u>							
-							
			-				
-							
ype: C=Concentration, D=Deple	etion, RN	M=Reduced Matrix, M	S=Maske	d Sand C	Grains.	² Location: PL=	Pore Lining, M=Matrix.
ydric Soil Indicators:						Indicato	ors for Problematic Hydric Soils ³ :
_ Histosol (A1)		Dark Surface	e (S7)			2 cr	m Muck (A10) (MLRA 147)
Histic Epipedon (A2)		Polyvalue Be	elow Surfa	ace (S8)	(MLRA 147,	148) Coa	ast Prairie Redox (A16)
Black Histic (A3)		Thin Dark S			147, 148)	(1	MLRA 147, 148)
Hydrogen Sulfide (A4)		Loamy Gley		(F2)			dmont Floodplain Soils (F19)
_ Stratified Layers (A5)		Depleted Ma					MLRA 136, 147)
_ 2 cm Muck (A10) (LRR N)		Redox Dark	•	,			y Shallow Dark Surface (TF12)
Depleted Below Dark Surface	(A11)	Depleted Da		. ,		Oth	er (Explain in Remarks)
Thick Dark Surface (A12)		Redox Depr					
_ Sandy Mucky Mineral (S1) (LI	RR N,	Iron-Mangar		ses (F12)	(LRR N,		
MLRA 147, 148)		MLRA 13	-			3	
Sandy Gleyed Matrix (S4)		Umbric Surfa					ators of hydrophytic vegetation and
_ Sandy Redox (S5)		Piedmont Fl					and hydrology must be present,
Stripped Matrix (S6)		Red Parent	Material (I	-21) (ML	RA 127, 147	7) unles	ss disturbed or problematic.
estrictive Layer (if observed):							
Type: Rock							
Depth (inches): 15						Hydric Soil P	resent? Yes 🗸 No
lemarks:							

Project/Site: Southeast Supply Enhancement Project City/County: 1	Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-429
Investigator(s): RS, LF Section, Town	nship, Range:
Landform (hillslope, terrace, etc.): Micro-Depression Local relief (conc	
	Long: -79.469956 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 per	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampling	point locations, transects, important features, etc.
Ludrio Coil Drocont?	Sampled Area a Wetland? Yes V No
All three wetland parameters (i.e., wetland hydrolog soils) were satisfied at this data point.	y, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B14) High Water Table (A2) Hydrogen Sulfide Odor (C1) Saturation (A3) Oxidized Rhizospheres on Liv. Water Marks (B1) Presence of Reduced Iron (C	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) wing Roots (C3) Moss Trim Lines (B16) 4) Dry-Season Water Table (C2) d Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No
Remarks:	

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<u>`</u>	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Free Stratum (Plot size: 30 ft r)	% Cover	Species?		Number of Dominant Species	
_ Acer rubrum	25		FAC	That Are OBL, FACW, or FAC: 3 (A)	
Quercus palustris	10		FACW	Total Number of Dominant	
•				Species Across All Strata: 3 (B)	
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)	
				That Ale OBL, FACW, of FAC. 199199 (A/B)	
·				Prevalence Index worksheet:	
•	35	= Total Cov		Total % Cover of: Multiply by:	
50% of total cover: 17.50				OBL species $0 x 1 = 0$	
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total cover.		FACW species 10 x 2 = 20	
				FAC species 52 x 3 = 156	
•				FACU species $0 \times 4 = 0$	
				UPL species 0 x 5 = 0	
k <u>. </u>				Column Totals: <u>62</u> (A) <u>176</u> (B)	
				Prevalence Index = B/A = 2.83	
				Hydrophytic Vegetation Indicators:	
, 			. <u></u>		
<u>. </u>				1 - Rapid Test for Hydrophytic Vegetation	
).				✓ 2 - Dominance Test is >50%	
		= Total Cov	er	✓ 3 - Prevalence Index is ≤3.0 ¹	
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting	
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)	
Smilax rotundifolia	20	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
Carex sp.	10				
Senna hebecarpa	7		FAC	¹ Indicators of hydric soil and wetland hydrology must	
•	<u></u>	-		be present, unless disturbed or problematic.	
ł		-		Definitions of Four Vegetation Strata:	
i				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or	
)				more in diameter at breast height (DBH), regardless of	
·				height.	
L				Sapling/Shrub – Woody plants, excluding vines, less	
)			<u> </u>	than 3 in. DBH and greater than or equal to 3.28 ft (1	
0				m) tall.	
1.				House All books account (non-viscos), blooks no conditions	
	37	= Total Cov	er .	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 18.50				of size, and woody plants less than 5.25 it tall.	
Voody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in	
				height.	
		-			
)			· 		
l					
k <u>. </u>				Hydrophytic	
i				Vegetation	
	:	= Total Cov	er	Present? Yes No	
50% of total cover:	20% of	total cover:			
Remarks: (Include photo numbers here or on a separate s				1	

US Army Corps of Engineers

OIL								Sampling Point: DP-42
rofile Desc	ription: (Describ	be to the de	pth needed to docu			r or confire	m the absence of in	dicators.)
Depth	Matrix			ox Featur		Loc ²	Toyturo	Domarko
nches) 0 - 7	Color (moist) 10YR 4/2	<u>%</u> 100	Color (moist)	%	<u>Type</u>	LOC	Texture Silt Loam	Remarks
7 - 15	10 TR 4/2	97	7.5YR 4/4	3			Silt Loam	
			-	<u>3</u> 5				
15 - 18	2.5Y 5/2	95	7.5R 5/6	. <u>5</u>	_ <u>C</u>	<u>M</u>	Silty Clay Loam	
			<u> </u>	<u> </u>				
					_		<u></u>	
-			_		_		. <u> </u>	
-								
-								
-			-					
		_			_			
ne: C=C	oncentration D=D	enletion RM	– M=Reduced Matrix, M	IS=Maske	ed Sand (² Location: PL =Po	ore Lining, M=Matrix.
	Indicators:	repletion, ra	VI TROUBOCA WIGHTA, IV	io ividore	ou ouna c	oranio.		for Problematic Hydric Soils ³ :
Histosol			Dark Surfac	e (S7)				Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue B		ace (S8)	(MLRA 147		Prairie Redox (A16)
Black Hi			Thin Dark S					.RA 147, 148)
	en Sulfide (A4)		Loamy Gley			· · · · · , · · · · ,		ont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma		· (· -)			.RA 136, 147)
	uck (A10) (LRR N))	Redox Dark		(F6)			Shallow Dark Surface (TF12)
	d Below Dark Surf		Depleted Da		. ,			(Explain in Remarks)
	ark Surface (A12)		Redox Depr					
	Mucky Mineral (S1) (LRR N,	Iron-Manga		ses (F12	(LRR N,		
	A 147, 148)		MLRA 1				•	
	Sleyed Matrix (S4))	Umbric Surf					rs of hydrophytic vegetation and
	Redox (S5)		Piedmont F					I hydrology must be present,
	Matrix (S6)	.0	Red Parent	Material ((F21) (ML	RA 127, 14	(17) unless	disturbed or problematic.
	Layer (if observe	:a):						
	ches):						Hydric Soil Pres	sent? Yes V No
							nyuric Soil Fres	sent? Yes V No
marks:								

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2025-02-24					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-430					
Investigator(s):RS, LF Sect	ion, Township, Range:					
Landform (hillslope, terrace, etc.): Toeslope Local re						
Subregion (LRR or MLRA): P 136 Lat: 36.706018 Long: -79.469846 Datum: WGS 84						
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 percent slopes NWI classification: R4SBC						
Are climatic / hydrologic conditions on the site typical for this time of year?						
	rbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem						
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No	In the Committee of America					
Hydric Soil Present? Yes ✓ No	Is the Sampled Area within a Wetland? Yes ✓ No					
Wetland Hydrology Present? Yes V No	within a wetland?					
Remarks:						
All three weetlered representation (i.e., weetlered by						
All three wetland parameters (i.e., wetland hyd	arology, nydropnytic vegetation, and nydric					
soils) were satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants	(B14) Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2) Hydrogen Sulfide Oo	dor (C1) Drainage Patterns (B10)					
Saturation (A3) Oxidized Rhizosphe	res on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduce	ed Iron (C4) Dry-Season Water Table (C2)					
Sediment Deposits (B2) Recent Iron Reduction	on in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Other (Explain in Re						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:					
Remarks:						

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-430
	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
2.				(,
3				Total Number of Dominant Species Across All Strata: 3 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				That Are OBL, FACW, or FAC: 100.00 (A/B)
7		· -		Prevalence Index worksheet:
, <u></u>		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:				OBL species 20 x 1 = 20
Sapling/Shrub Stratum (Plot size: 15 ft r)			-	FACW species 22 x 2 = 44
1. Salix nigra	20	~	OBL	FAC species 20 x 3 = 60
2		· -		FACU species $0 x 4 = 0$
				UPL species $0 x 5 = 0$
3				Column Totals: 62 (A) 124 (B)
4				(,
5				Prevalence Index = B/A = 2.00
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
10.00		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 10.00	20% of	total cover:	4.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	20	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Microstegium vimineum	15	·	FACW	
2. Dichanthelium scoparium	7			¹ Indicators of hydric soil and wetland hydrology must
3. Juncus effusus			FACW	be present, unless disturbed or problematic.
_{4.} Carex sp.	5			Definitions of Four Vegetation Strata:
5				Tree Meady plants avaluding vines 2 in (7.6 cm) or
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	47	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 23.50	20% of	total cover:	9.40	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				-
2				
3				
4				Undrankytia
5				Hydrophytic Vegetation
		= Total Cov		Present? Yes V No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s				<u> </u>
No tree or woody vine strata were pr	esent v	within th	nis dat	a point.

	Matrix	%		ox Featur		Loc ²	Toytura	Domorko
inches) 0 - 7	Color (moist)		Color (moist)	<u>%</u>	Type ¹ C		Texture Silt Loam	Remarks
	10YR 4/2	98	7.5YR 4/4	_ 2		<u>M</u>		
7 - 11	2.5Y 5/2	90	7.5YR 5/6	5	<u>C</u>	<u>M</u>	Clay Loam	
7 - 11			5Y 6/1	5	D	М	Clay Loam	Secondary redox color
-								
	-		-	<u> </u>				
	-							
			<u> </u>					
-								
-								
_	-				_			
			<u> </u>					
		epletion, RN	M=Reduced Matrix, N	/IS=Mask	ed Sand G	rains.	² Location: P	L=Pore Lining, M=Matrix.
	Indicators:							ators for Problematic Hydric Soils
_ Histosol			Dark Surface					cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue E				148) C	oast Prairie Redox (A16)
	istic (A3)		Thin Dark S			147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley ✓ Depleted M		((F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5) uck (A10) (LRR N)		Redox Dark		(E6)		V	(MLRA 136, 147) ery Shallow Dark Surface (TF12)
	d Below Dark Surfa		Depleted D					ther (Explain in Remarks)
	ark Surface (A12)	200 (7111)	Redox Dep				~	and (Explain in Nomanio)
	Mucky Mineral (S1)	(LRR N,	Iron-Manga			(LRR N,		
-	A 147, 148)	•	MLRA 1		` ,	` '		
_ Sandy C	Gleyed Matrix (S4)		Umbric Sur	face (F13) (MLRA 1	36, 122)	³ Ind	icators of hydrophytic vegetation and
-	Redox (S5)		Piedmont F					tland hydrology must be present,
	d Matrix (S6)		Red Parent	Material	(F21) (MLF	RA 127, 147	7) un	ess disturbed or problematic.
estrictive	Layer (if observe	d):						
Type: Ro								Dragant? Van V
Type: Ro	ock _{ches):} 11						Hydric Soil	Present? Yes V No
Type: Ro							Hydric Soil	Present? Tes NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? TesNO
Type: Ro							Hydric Soil	Present? res NO
Type: Ro							Hydric Soil	Present? TesNO
Type: Ro							Hydric Soil	Present? TesNO
Type: Ro							Hydric Soil	Present? TesNO
Type: Ro							Hydric Soil	Present? TesNO
Type: Ro							Hydric Soil	Present? TesNO
Type: Ro							Hydric Soil	Present? TesNO
Type: Ro							Hydric Soil	Present? Tes NO
Type: Ro Depth (in							Hydric Soil	Present? Tes NO

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-02-24					
	State: Virginia Sampling Point: DP-431					
Investigator(s): RS, LF Section, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 8						
Subregion (LRR or MLRA): P 136 Lat: 36.706033 Long:79.469941 Datum: WGS 84						
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 2	25 percent slopes NWI classification: R4SBC					
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb	oed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No					
Wetland Hydrology Present? Yes No	within a Wetland? Yes No					
Remarks:						
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tiana nyarology, nyaropnytic vegetation, or					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B						
High Water Table (A2) Hydrogen Sulfide Odd						
Saturation (A3) Oxidized Rhizosphere						
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reduction						
Drift Deposits (B3) Thin Muck Surface (C Algal Mat or Crust (B4) Other (Explain in Rem						
Algal Mat of Clust (B4) Other (Explain in Refi	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections) if available:					
Remarks:						
No hydrology was observed at this data point.						

bsolute % Cover	Dominant I		
% Cover			Dominance Test worksheet:
-		Status	Number of Dominant Species
			That Are OBL, FACW, or FAC: 1 (A)
			Total Number of Dominant
			Species Across All Strata: 2 (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 50.00 (A/
			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
			OBL species 0 x 1 = 0
_ 20% of t	total cover:_		FACW species 20 x 2 = 40
			FAC species 5 x 3 = 15
			FACU species 55 x 4 = 220
			UPL species 0 x 5 = 0
			00 075
			Column Totals: 80 (A) 275 (E
			Prevalence Index = B/A = 3.43
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
			3 - Prevalence Index is ≤3.0 ¹
			4 - Morphological Adaptations ¹ (Provide supporti
_ 20% of	total cover:_		data in Remarks or on a separate sheet)
) F		EACH.	Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
		FAC	more in diameter at breast height (DBH), regardless
			height.
			Sapling/Shrub – Woody plants, excluding vines, less
			than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Herb – All herbaceous (non-woody) plants, regardles
			of size, and woody plants less than 3.28 ft tall.
_ 20% of	total cover:_	16.00	Woody vine – All woody vines greater than 3.28 ft in
			height.
			Hydrophytic
			Vegetation Present? Yes No _ ✓
			Present? Yes No
_ 20% of t	total cover:_		
	= 20% of the second sec	= Total Cover	= Total Cover 20% of total cover: = Total Cover 20% of total cover: 25

SOIL Sampling Point: DP-431

Profile Desc	ription: (Describe	to the dep	th needed to docun	nent the	indicator	or confirn	n the absence	e of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	
0 - 2	7.5YR 4/3	100					Silt Loam	<u> </u>
2 - 18	7.5YR 4/4	90	5YR 4/6	5	С	М	Silt Loam	ı
							-	
		· ——			•			
		· 			· 			
-								
							-	
		·		-	·			
¹ Type: C=Co	oncentration. D=Dep	letion. RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location:	PL=Pore Lining, M=Matrix.
Hydric Soil			, , , , , , , , , , , , , , , , , , , ,					cators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)				2 cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ace (S8) (N	ILRA 147,		Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su					(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleye	d Matrix	(F2)			Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mat	trix (F3)				(MLRA 136, 147)
	ıck (A10) (LRR N)		Redox Dark S	•				Very Shallow Dark Surface (TF12)
	d Below Dark Surface	e (A11)	Depleted Dar				_	Other (Explain in Remarks)
	ark Surface (A12)	DD 11	Redox Depre					
-	Mucky Mineral (S1) (L	LKK N,	Iron-Mangan		ses (F12) (LKK N,		
	A 147, 148) Gleyed Matrix (S4)		MLRA 130 Umbric Surfa		/MI D A 13	6 122)	³ lr	ndicators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					vetland hydrology must be present,
-	Matrix (S6)		Red Parent N					inless disturbed or problematic.
	Layer (if observed):			(, (1	
Type:	, , , , , , , , , , , , , , , , , , , ,							
	ches):						Hydric Sc	oil Present? Yes No 🗸
	ones).						Tiyano oo	765 165 165 165 165 165 165 165 165 165 1
Remarks:								

Project/Site: Southeast Supply Enhancement Project City	/County: Pittsylvania County Sampling Date: 2025-02-24					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-432					
	ction, Township, Range:					
Landform (hillslope, terrace, etc.): Micro-Depression Local r						
Subregion (LRR or MLRA): P 136 Lat: 36.707919 Long: -79.468377 Datum: WGS 84						
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to						
Are climatic / hydrologic conditions on the site typical for this time of year?						
	urbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem						
	impling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No No	Is the Sampled Area					
Wetland Hydrology Present? Yes ✓ No	within a Wetland? Yes No					
Remarks:						
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point.						
HYDROLOGY	Cooperdam, Indicators (reinimous of two possible d)					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants High Water Table (A2) Hydrogen Sulfide C						
	eres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduc						
Sediment Deposits (B2) Recent Iron Reduction						
Drift Deposits (B3) Thin Muck Surface						
Algal Mat or Crust (B4) Other (Explain in R						
Iron Deposits (B5)	✓ Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	✓ FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections). if available:					
, , , , , , , , , , , , , , , , , , , ,	,					
Remarks:						

VEGETATION (Four Strata) – Use scientific names of plants.

VEGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-432
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				That Ale OBE, I AOW, OI I AO. (A/B)
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 65 x 2 = 130
1				FAC species 20 x 3 = 60
				FACU species 5 x 4 = 20
2				UPL species 0 x 5 = 0
3				Column Totals: 90 (A) 210 (B)
4				Column Totals. (A)
5				Prevalence Index = B/A = 2.33
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover		
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1 Juncus effusus	55	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Senna hebecarpa	15		FAC	
3. Dichanthelium scoparium	10		FACW	¹ Indicators of hydric soil and wetland hydrology must
4 Dichanthelium clandestinum	5	-	FAC	be present, unless disturbed or problematic.
5 Solidago altissima	5		FACU	Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45.00	20% of	total cover	18.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2	. <u></u>			
3				
4				
5				Hydrophytic Vegetation
v		= Total Cov		Present? Yes V No No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s		total cover		
Remarks. (include prioto numbers here of on a separate s	ineet.)			
No tree, sapling/shrub, or woody vine	e strata	ı were p	oresen	t within this data point.

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	n the absence of	indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	2.5Y 5/2	90	7.5YR 4/6	10	С	M	Silty Clay Loam	
7 - 14	2.5Y 5/2	93	7.5YR 4/6	7	С	<u>M</u>	Silty Clay Loam	
14 - 18	7.5YR 5/2	98	7.5YR 4/6	2	С	<u>M</u>	Sandy Loam	
					_			
					_			
					_			
		_						
		oletion, RN	1=Reduced Matrix, M	S=Maske	d Sand Gi	ains.		Pore Lining, M=Matrix.
Hydric Soil I	Indicators:						Indicato	ors for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2 cr	n Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be	. ,	ace (S8) (I	MLRA 147.		st Prairie Redox (A16)
Black His			Thin Dark Su					MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye	•	, .	,,		Imont Floodplain Soils (F19)
					(1 2)			
	d Layers (A5)		<u>✓</u> Depleted Ma		5 0)		•	MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark					y Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da		. ,		Oth	er (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (LRR N,	Iron-Mangan		ses (F12)	(LRR N,		
MLRA	A 147, 148)		MLRA 13					
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 1	36, 122)	³ Indica	tors of hydrophytic vegetation and
Sandy R	Redox (S5)		Piedmont Flo				48) wetla	nd hydrology must be present,
	Matrix (S6)		Red Parent N					s disturbed or problematic.
	Layer (if observed)	:			, ,	<u> </u>	Í	'
Type:								
Depth (inc	ches):						Hydric Soil P	resent? Yes V No No
Remarks:								
İ								

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2025-02-24					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-433					
Investigator(s):RS, LF Section	on, Township, Range:					
Landform (hillslope, terrace, etc.): Microslope Local relief (concave, convex, none): Convex Slope (%): 1						
Subregion (LRR or MLRA): P 136 Lat: 36.707923 Long: -79.468316 Datum: WGS 84						
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	25 percent slopes NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing same	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes No V No V	Is the Sampled Area within a Wetland? Yes No					
Only one (i.e., hydrophytic vegetation) of the three wetland parameters was satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (
High Water Table (A2) Hydrogen Sulfide Od						
Saturation (A3) Oxidized Rhizosphere						
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reductio						
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Rer						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) ✓ FAC-Neutral Test (D5)					
Field Observations:	rac-neutral rest (D3)					
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre						
, , , , , , , , , , , , , , , , , , , ,	vious inspections), il available.					
Remarks:						
No hydrology was observed at this data point;	only one secondary indicator was present.					

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
ree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species	
				That Are OBL, FACW, or FAC: 2 (A)	
				Total Number of Dominant	
				Species Across All Strata: 2 (B)	
				Descent of Descinant Consider	
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B	
				,	
				Prevalence Index worksheet:	
	:	= Total Cov	er	Total % Cover of: Multiply by:	
50% of total cover:	20% of	total cover:		OBL species $0 \times 1 = 0$	
apling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{35}{22}$ $\times 2 = \frac{70}{22}$	
				FAC species $30 x 3 = 90$	
				FACU species 15 x 4 = 60	
				UPL species <u>0</u> x 5 = <u>0</u>	
				Column Totals: <u>80</u> (A) <u>220</u> (B)	
				Prevalence Index = B/A = 2.75	
				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	
				✓ 2 - Dominance Test is >50%	
		= Total Cov		3 - Prevalence Index is ≤3.0 ¹	
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting	
erb Stratum (Plot size: 5 ft r)	20 70 01	total covor.		data in Remarks or on a separate sheet)	
Dichanthelium scoparium	30	✓	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)	
Smilax rotundifolia	20		FAC		
Dichanthelium clandestinum	10		FAC	1 Indicators of hydric soil and wetland hydrology mus	
Lonicera japonica	10		FACU	be present, unless disturbed or problematic.	
Elymus virginicus	5		FACW	Definitions of Four Vegetation Strata:	
Solidago altissima	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of	
				more in diameter at breast height (DBH), regardless o	
				height.	
				Sapling/Shrub – Woody plants, excluding vines, less	
				than 3 in. DBH and greater than or equal to 3.28 ft (1	
0				m) tall.	
1				Herb – All herbaceous (non-woody) plants, regardless	
500/ -54-4-1 40.00	000/ - f	= Total Cov	er 16.00	of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 40.00	20% of	iotal cover:	10.00	Woody vine – All woody vines greater than 3.28 ft in	
/oody Vine Stratum (Plot size: 30 ft r)				height.	
				Hydrophytic	
				Vegetation	
		= Total Cov		Present? Yes V No No	
50% of total cover:		total cover:			
	heet)			·	
Remarks: (Include photo numbers here or on a separate s	11001.)				
		Werer	racan	t within this data point	
emarks: (Include photo numbers here or on a separate so tree, sapling/shrub, or woody vine		were p	resen	t within this data point.	

Depth	Matrix Color (moist)	%	Redox Features Color (moist)	Tout	Damarka
inches) 0 - 4	10YR 4/3		Color (moist) % Type ¹ Loc ²	Texture Silt	<u>Remarks</u>
		100			
4 - 18	7.5YR 5/4	75		Silty Clay Loam	
4 - 18	2.5YR 4/6	25		Silty Clay Loam	Secondary matrix color
-					
_					
					-
<u> </u>	· -				
-					
-					
	•				
vne: C=C	Concentration D=De	nletion RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: P	L=Pore Lining, M=Matrix.
	Indicators:	piction, ravi–i	reduced Matrix, MO-Masiced Garia Grains.	Indic	ators for Problematic Hydric Soils ³ :
_ Histoso			Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 14		Coast Prairie Redox (A16)
	listic (A3)		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)		/ery Shallow Dark Surface (TF12)
	ed Below Dark Surfa	ace (A11)	Depleted Dark Surface (F7)	_ c	Other (Explain in Remarks)
	ark Surface (A12)	// DD N	Redox Depressions (F8)		
	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148) Gleyed Matrix (S4)		MLRA 136) Umbric Surface (F13) (MLRA 136, 122)	³ Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA		etland hydrology must be present,
-	d Matrix (S6)		Red Parent Material (F21) (MLRA 127, 1		less disturbed or problematic.
	Layer (if observed	l):		1	
Туре:	• `	•			
	nches):			Hydric Soil	Present? Yes No 🗸
emarks:	,				
omano.					

Project/Site: Southeast Supply Enhancement Project City/County:	Pittsylvania Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-434
Investigator(s):KZ, MS Section, Tov	wnship, Range:
Landform (hillslope, terrace, etc.): Floodplain Local relief (cor	
	Long:79.45688328 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 pe	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampling	g point locations, transects, important features, etc.
Ludrio Coil Drocont?	e Sampled Area in a Wetland? Yes No
All three wetland parameters (i.e., wetland hydrolo soils) were satisfied at this data point.	gy, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B14) High Water Table (A2) Hydrogen Sulfide Odor (C1) Saturation (A3) Oxidized Rhizospheres on L Water Marks (B1) Presence of Reduced Iron (Sediment Deposits (B2) Recent Iron Reduction in Til Drift Deposits (B3) Thin Muck Surface (C7) Algal Mat or Crust (B4) Other (Explain in Remarks) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Living Roots (C3) Moss Trim Lines (B16) C4) Dry-Season Water Table (C2) Illed Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous i Remarks:	nspections), if available:

/EGETATION (Four Strata) – Use scientific na	Sampling Point: DP-434			
20 #				Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	<u>Status</u>	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 4 (A)
2				Total Number of Dominant
3				Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 80.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
50% of total cover:		= Total Co		OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total covci		FACW species 10 x 2 = 20
1				FAC species 60 x 3 = 180
2				FACU species 15 x 4 = 60
3				UPL species $0 \times 5 = 0$
				Column Totals: <u>85</u> (A) <u>260</u> (B)
4 5.				
5 6		-		Prevalence Index = B/A = 3.05
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9		-		✓ 2 - Dominance Test is >50%
·		= Total Co	ver	3 - Prevalence Index is ≤3.0¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	40		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Juncus effusus	10	~	FACW	4
3. Microstegium vimineum	10	~	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Solidago altissima	10		FACU	Definitions of Four Vegetation Strata:
_{5.} Solidago rugosa	10		FAC	
6. Lonicera japonica	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				Continui Charle Mandra planta avaludina vinas lasa
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	85	= Total Co	ver	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>42.50</u>	20% of	total cover	<u> 17.00</u>	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2		-		
3		-		
4				Hydrophytic
5				Vegetation
= Total Cover				Present? Yes No
50% of total cover:		total cover	":	
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree, sapling/shrub, or woody vine	e strata	were	observ	ed at this location.
			J J . T	

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	<u>Remarks</u>
0 - 7	10YR 5/2	80	5YR 5/6	20	<u>C</u>	PL / M	Loamy Sand	
7 - 18	10YR 5/1	60	7.5YR 5/8	40	С	PL / M	Sandy Clay Loam	
-								
	-	-						
	·	_			_			
-								
		-			-			
1T C-C		Jeties DN	I-Dadwaad Matrix M				21 anation. Di	I - Dono Lining M-Matrix
Hydric Soil		netion, Riv	I=Reduced Matrix, MS	S=IVIASKE	d Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(\$7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ace (S8) (I	/II RΔ 147		coast Prairie Redox (A16)
Black Hi			Thin Dark Su				0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			141, 140,	Р	iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		()		<u> </u>	(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark		F6)		V	ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar		•			other (Explain in Remarks)
Thick Da	ark Surface (A12)		Redox Depre	essions (F	- 8)			
Sandy M	lucky Mineral (S1) (I	LRR N,	Iron-Mangan	ese Mass	ses (F12) ((LRR N,		
	A 147, 148)		MLRA 13					
	lleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
<u>✓</u> Sandy R			Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (I	F21) (MLR	A 127, 147	7) uni	less disturbed or problematic.
	_ayer (if observed)							
							l	
	ches):						Hydric Soil	Present? Yes No
Remarks:								

SOIL

Project/Site: Southeast Supply Enhancement Project City.	/County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	
DO 15	tion, Township, Range:
Landform (hillslope, terrace, etc.): Floodplain Local re	
	Long: -79.456777 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	
Are climatic / hydrologic conditions on the site typical for this time of year?	
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally probler	
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area
Hydric Soil Present? Yes No 🔽	within a Wetland? Yes No 🗸
Wetland Hydrology Present? Yes No <u>✓</u>	
Remarks:	
None of the three wetland parameters (i.e., w	etland hydrology, hydrophytic vegetation, or
hydric soils) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O	
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduct	
Sediment Deposits (B2) Recent Iron Reduct	
Drift Deposits (B3) Thin Muck Surface	
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1) Geomorphic Position (D2)
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Siranow Aquitaru (DS) Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	17.6 Neathar rest (26)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:
Remarks:	
No hydrology was observed at this data point	· only one secondary indicator was present
Tho flydrology was observed at this data point	, only one secondary indicator was present.

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-435
	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Carpinus caroliniana	10		FAC	That Are OBL, FACW, or FAC: 3 (A)
2				Total Number of Dominant
3				Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 60.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
5.00		= Total Cov		OBL species $0 \times 1 = 0$
50% of total cover: <u>5.00</u>	20% of	total cover:	2.00	FACW species 15 x 2 = 30
Sapling/Shrub Stratum (Plot size: 15 ft r)	15	.,	EACH	FAC species 20 x 3 = 60
1. Liriodendron tulipifera			FACU	FACU species 60
2				
3				
4				Column Totals: <u>105</u> (A) <u>380</u> (B)
5				Prevalence Index = B/A = 3.61
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>7.50</u>	20% of	total cover:	3.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Solidago altissima	40		FACU	1 Tobicinatio Trydrophytic Vegetation (Explain)
2. Elymus virginicus	15		FACW	¹ Indicators of hydric soil and wetland hydrology must
3. Elymus hystrix	10		UPL	be present, unless disturbed or problematic.
4. Lonicera japonica	5		FACU	Definitions of Four Vegetation Strata:
5. Verbesina alternifolia	5		FAC	
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				October 10 March alanta avaludin avias lasa
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	75 :	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>37.50</u>	20% of	total cover:	15.00	Weedy vine All weedy vines greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1. Smilax rotundifolia	5		FAC	
2				
3				
4				The decorded in
5.				Hydrophytic Vegetation
	5	= Total Cov	er	Present? Yes No
50% of total cover: 2.50		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			.1
	,			

	Texture Remarks Silt Loam Silt Loam
9 - 14 10YR 5/3 100	Silt Loam
_ -	
_	
<u> </u>	
-	
	
ype: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.	Location: PL=Pore Lining, M=Matrix.
ydric Soil Indicators:	Indicators for Problematic Hydric Soils ³ :
_ Histosol (A1) Dark Surface (S7)	2 cm Muck (A10) (MLRA 147)
Histic Epipedon (A2) Polyvalue Below Surface (S8) (MLRA 147, 14	48) Coast Prairie Redox (A16)
Black Histic (A3) Thin Dark Surface (S9) (MLRA 147, 148)	(MLRA 147, 148)
Hydrogen Sulfide (A4) Loamy Gleyed Matrix (F2)	Piedmont Floodplain Soils (F19)
Stratified Layers (A5) Depleted Matrix (F3)	(MLRA 136, 147)
2 cm Muck (A10) (LRR N) Redox Dark Surface (F6)	Very Shallow Dark Surface (TF12)
Depleted Below Dark Surface (A11) Depleted Dark Surface (F7)	Other (Explain in Remarks)
Thick Dark Surface (A12) Redox Depressions (F8)	
Sandy Mucky Mineral (S1) (LRR N, Iron-Manganese Masses (F12) (LRR N, IRO 4437 443)	
MLRA 147, 148) MLRA 136) Sendu Claud Matrix (C4) MLRA 136 (F12) (MLRA 136 (122)	31
Sandy Gleyed Matrix (S4) Umbric Surface (F13) (MLRA 136, 122)	³ Indicators of hydrophytic vegetation and
Sandy Redox (S5) Piedmont Floodplain Soils (F19) (MLRA 148)	
Stripped Matrix (S6) Red Parent Material (F21) (MLRA 127, 147) estrictive Layer (if observed):	unless disturbed or problematic.
Type: Rock	
,, <u> </u>	
	Hydric Soil Present? Yes No
emarks:	

Project/Site: Southeast Supply Enhancement Project City/County: Pitt	sylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-436
Investigator(s): RS, LF Section, Township	p, Range:
Landform (hillslope, terrace, etc.): Toeslope Local relief (concave	, convex, none): Concave Slope (%): 0
Subregion (LRR or MLRA): P 136 Lat: 36.720441	Long: -79.456765 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent slopes, se	verely eroded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling po	int locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No No Is the San within a W	npled Area //etland? Yes _ No
All three wetland parameters (i.e., wetland hydrology, soils) were satisfied at this data point.	hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1)	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Roots (C3) Moss Trim Lines (B16) Dry-Season Water Table (C2)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes Vo Depth (inches): 5	
Saturation Present? Yes No Depth (inches):_1	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspective Remarks:	ctions), if available:

Sampling	Point:	DP-436
Sambillu	r Oll It.	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Acer rubrum	20		FAC	That Are OBL, FACW, or FAC: 3 (A)
2. Liriodendron tulipifera	10		FACU	Total Number of Dominant
3				Species Across All Strata: 5 (B)
4				
5				Percent of Dominant Species That Are ORL FACW or FAC: 60.00 (A/R)
				That Are OBL, FACW, or FAC: 60.00 (A/B)
·				Prevalence Index worksheet:
7	30			Total % Cover of: Multiply by:
50% of total cover: 15.00		= Total Cov		OBL species 0 $x 1 = 0$
	20% 01	total cover.		FACW species 0 x 2 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 110 x 3 = 330
1				FACU species 20 x 4 = 80
2				
3				100
4		-		Column Totals: <u>130</u> (A) <u>410</u> (B)
5				Prevalence Index = B/A = 3.15
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
		= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Smilax rotundifolia	45	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Microstegium vimineum	30		FAC	
3 Rubus pensilvanicus	15	-	FAC	¹ Indicators of hydric soil and wetland hydrology must
<u> </u>				be present, unless disturbed or problematic.
4		-		Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	90	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45.00	20% of	total cover:	18.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
_{1.} Lonicera japonica	10		FACU	Ĭ
2. Vitis sp.	5	~		
3				
4				
5.		-		Hydrophytic Vegetation
<u> </u>	15	= Total Cov	or.	Present? Yes V No
50% of total cover: 7.50		total cover:		
Remarks: (Include photo numbers here or on a separate s		John GOVGI		
No sapling/shrub stratum was preser	nt withi	n this d	lata po	int.
- -			-	

Sampling Point: <u>DP-436</u>

Profile Desc	cription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)		
Depth	Matrix			x Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks		
0 - 7	2.5Y 5/2	98	10YR 5/4	2	<u> </u>	M	Sandy Loam			
7 - 18	10YR 5/2	97	10YR 5/6	3	С	М	Silt Loam	<u></u>		
-						-				
		_						·		
					_					
			·							
					_					
-										
		_	· ———							
			·					-		
	-		· -				-			
		_			_					
		oletion, RN	M=Reduced Matrix, MS	S=Maske	ed Sand Gr	ains.		L=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :		
Histosol			Dark Surface					cm Muck (A10) (MLRA 147)		
	pipedon (A2)		Polyvalue Be				, 148) C	Coast Prairie Redox (A16)		
	istic (A3)		Thin Dark Su			147, 148)	_	(MLRA 147, 148)		
	en Sulfide (A4)		Loamy Gleye		(F2)		P	Piedmont Floodplain Soils (F19)		
	d Layers (A5) uck (A10) (LRR N)		✓ Depleted Ma — Redox Dark \$		(E6)		\/	(MLRA 136, 147) /ery Shallow Dark Surface (TF12)		
	d Below Dark Surfac	ce (A11)	Depleted Dai					Other (Explain in Remarks)		
	ark Surface (A12)	<i>(</i> ((())	Redox Depre				~	Aller (Explain in Fernance)		
	/Jucky Mineral (S1)	LRR N,	Iron-Mangan			LRR N,				
	A 147, 148)		MLRA 13							
Sandy C	Gleyed Matrix (S4)		Umbric Surfa	ce (F13) (MLRA 13	36, 122)	³ Ind	licators of hydrophytic vegetation and		
Sandy F	Redox (S5)		Piedmont Flo	Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present,						
	Matrix (S6)		Red Parent N	Material ((F21) (MLR	A 127, 14	7) un	less disturbed or problematic.		
Restrictive	Layer (if observed)	:								
Type:										
Depth (in	ches):						Hydric Soil	Present? Yes V No No		
Remarks:							-			
								·		

Project/Site: Southeast Supply Enhancement Project City	//County: Pittsylvania Sampling Date: 2025-02-24								
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC									
Investigator(s):KZ, MS Sec	ction, Township, Range:								
Landform (hillslope, terrace, etc.): Floodplain Local I									
	Long:79.45642365 Datum: WGS 84								
Soil Map Unit Name: 11C3 - Minnieville clay loam, 7 to 15 percent slopes, severely eroded NWI classification: N/A									
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hydrology significantly dist	turbed? Are "Normal Circumstances" present? Yes No								
Are Vegetation, Soil, or Hydrology naturally proble									
	ampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No								
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)								
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plant	Surface Soil Cracks (B6) s (B14) Sparsely Vegetated Concave Surface (B8)								
High Water Table (A2) Hydrogen Sulfide (
	eres on Living Roots (C3) Moss Trim Lines (B16)								
Water Marks (B1) Presence of Reduc									
	tion in Tilled Soils (C6) Crayfish Burrows (C8)								
Drift Deposits (B3) Thin Muck Surface									
Algal Mat or Crust (B4) Other (Explain in R									
Iron Deposits (B5)	Geomorphic Position (D2)								
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)								
Water-Stained Leaves (B9)	Microtopographic Relief (D4)								
Aquatic Fauna (B13)	FAC-Neutral Test (D5)								
Field Observations:									
Surface Water Present? Yes No Depth (inches):									
Water Table Present? Yes No Depth (inches):									
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	I previous inspections), if available:								
Remarks:									

VEGETATION (Four Strata) – Use scientific names of plants

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-437
		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 3 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Bassalan as Indansoral about
7				Prevalence Index worksheet:
	= Total Cover			
50% of total cover:	20% of total cover:			<u> </u>
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{22}{67}$ $x = \frac{44}{201}$
1				1710 species x 0
2				FACU species $\frac{8}{32}$ $\times 4 = \frac{32}{3}$
3				UPL species $0 \times 5 = 0$
4				Column Totals: 109 (A) 289 (B)
5				Prevalence Index = B/A = 2.65
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
v		= Total Cov		✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	_			data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	25	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Microstegium vimineum	15	~	FAC	
3. Verbesina alternifolia	15	~	FAC	¹ Indicators of hydric soil and wetland hydrology must
4. Persicaria sagittata	12	OBL	be present, unless disturbed or problematic.	
5. Scirpus cyperinus	12	-	FACW	Definitions of Four Vegetation Strata:
6. Solidago rugosa	12	-	FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7 Juncus effusus	10	-	FACW	more in diameter at breast height (DBH), regardless of height.
8. Solidago altissima	8		FACU	neight.
9.				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10		-		
11	400	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 54.50				of size, and woody plants less than 5.20 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	2070 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
500/ of total account		= Total Cov		riesent: resNo
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate si	neet.)			
No tree, sapling/shrub, or woody vine	strata	were o	bserv	ed at this data point.

SOIL Sampling Point: DP-437

Profile Desc	cription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirm	the absence	e of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 6	10YR 5/2	80	5YR 4/4	20	С	PL / M	Loamy Sand	
6 - 18	2.5Y 5/2	85	5YR 4/4	15	С	М	Loamy Sand	
_								
			·		· ·			
					· -			
-								
_								
		letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		PL=Pore Lining, M=Matrix.
Hydric Soil								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					2 cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				148) (Coast Prairie Redox (A16)
	stic (A3)		Thin Dark Su		, .	147, 148)	_	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		=0\			(MLRA 136, 147)
	uck (A10) (LRR N)	- (011)	Redox Dark S					/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar				_ (Other (Explain in Remarks)
	ark Surface (A12) ⁄lucky Mineral (S1) (I	DD N	Redox Depre			I DD N		
	147, 148)	LKK N,	MLRA 13		es (F12) (LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa	•	/MI D A 11	RE 122\	³ Inc	dicators of hydrophytic vegetation and
Sandy S			Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N					nless disturbed or problematic.
	Layer (if observed):		Neu i alentin	nateriai (i	21) (IVILI	A 121, 141	T ui	iless disturbed of problematic.
Type:	_ayo. (oboo. vou).	-						
	ches):						Hydric Soi	I Present? Yes 🗸 No
	CHES).						Hydric 30i	Triesent: TesNO
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	county: Pittsylvania Sampling Date: 2025-02-24							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-438							
Investigator(s):KZ, MS Section, Township, Range:								
	ef (concave, convex, none): Concave Slope (%): 2							
Subregion (LRR or MLRA): P 136 Lat: 36.72043635								
Soil Map Unit Name: 11C3 - Minnieville clay loam, 7 to 15 percent s								
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly disturl	bed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problems								
SUMMARY OF FINDINGS – Attach site map showing sam	ppling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓							
Wetland Hydrology Present? Yes No 🗸	within a Wetland?							
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic Plants (I High Water Table (A2) Hydrogen Sulfide Odd								
Saturation (A3) Oxidized Rhizosphere								
Water Marks (B1) Presence of Reduced								
Sediment Deposits (B2) Recent Iron Reductio								
Drift Deposits (B3) Thin Muck Surface (C								
Algal Mat or Crust (B4) Other (Explain in Ren	narks) Stunted or Stressed Plants (D1)							
Iron Deposits (B5)	Geomorphic Position (D2)							
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No Depth (inches):								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:							
Remarks:								
No buduala sur usaa abaa waadat thia data maint								
No hydrology was observed at this data point.								

EGETATION (Four Strata) – Use scientific r	names of	plants.		Sampling Point: DP-438
20.4	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1)	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Deminant
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)
6				,
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover	:	OBL species $\frac{0}{2}$ $x = \frac{0}{2}$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{3}{50}$ $\times 2 = \frac{6}{150}$
1				FAC species $\frac{50}{30}$ $\times 3 = \frac{150}{150}$
2				FACU species 38 x 4 = 152
3				UPL species $0 \times 5 = 0$
4				Column Totals: 91 (A) 308 (B)
5				Prevalence Index = B/A = 3.38
6				Hydrophytic Vegetation Indicators:
7				
8				1 - Rapid Test for Hydrophytic Vegetation
9				2 - Dominance Test is >50%
		= Total Cov	er	3 - Prevalence Index is ≤3.0¹
50% of total cover:	20% of	total cover		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	40		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Solidago altissima	30		FACU	The disease of heads's self-and continued heads to account
3. Microstegium vimineum	10		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Lonicera japonica	5		FACU	Definitions of Four Vegetation Strata:
_{5.} Juncus effusus	3		FACW	
_{6.} Rubus argutus	3		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7	_			more in diameter at breast height (DBH), regardless of height.
8	_			
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10	_			m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	01	= Total Cov	er er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45.50	20% of	total cover	18.20	Weeds sine All woods since greater than 2.29 ft in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				· ·
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	er er	Present? Yes No
50% of total cover:	20% of	total cover	<u> </u>	
Remarks: (Include photo numbers here or on a separate	sheet.)			
No tree, sapling/shrub, or woody vin	e strata	were (observ	ed at this data point.

Depth	Matrix	%	Redox Features	oc² Textu	D. w. and a	
inches)	Color (moist)		Color (moist) % Type ¹ L			
0 - 18	10YR 4/4	100		Loamy	Sand	
-						
-						
_						
	-					
-	-					
_						
-	-					
vpe: C=C	oncentration, D=De	pletion, RM=F	Reduced Matrix, MS=Masked Sand Grains	Locatio	on: PL=Pore Lining, M=Matrix.	
	Indicators:		,		Indicators for Problematic Hydric S	Soils³:
_ Histosol	(A1)		Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)	
	pipedon (A2)		Polyvalue Below Surface (S8) (MLR	A 147, 148)	Coast Prairie Redox (A16)	
	istic (A3)		Thin Dark Surface (S9) (MLRA 147)		(MLRA 147, 148)	
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	,	Piedmont Floodplain Soils (F19)	
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)	
	uck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF1)	2)
Deplete	d Below Dark Surfa	ce (A11)	Depleted Dark Surface (F7)		Other (Explain in Remarks)	,
_ Thick Da	ark Surface (A12)		Redox Depressions (F8)			
_ Sandy N	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRI	R N,		
MLR	A 147, 148)		MLRA 136)			
_ Sandy C	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 1	22)	³ Indicators of hydrophytic vegetatio	n and
Sandy F	Redox (S5)		Piedmont Floodplain Soils (F19) (M	_RA 148)	wetland hydrology must be preser	nt,
_ Stripped	Matrix (S6)		Red Parent Material (F21) (MLRA 1	27, 147)	unless disturbed or problematic.	
estrictive	Layer (if observed):				
Type:			<u></u>			
	ches):			Hydri	c Soil Present? Yes No	~
emarks:	, -					
omanio.						

Project/Site: Southeast Supply Enha	ancement Project City	//County: Pittsylvania C	ounty s	Sampling Date: 2025-02-24						
Applicant/Owner: Transcontinental Pip	oe Line Company, LLC		State: Virginia	Sampling Point: DP-439						
Investigator(s):MS, AT	Sec	ction, Township, Range:								
Landform (hillslope, terrace, etc.): Floodp										
	Subregion (LRR or MLRA): P 136 Lat: 36.72257749 Long: -79.45477007 Datum: WGS 84									
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 percent slopes NWI classification: N/A										
Are climatic / hydrologic conditions on the s										
Are Vegetation, Soil, or Hyd	drology significantly dis	turbed? Are "Normal	Circumstances" pre	esent? Yes No						
Are Vegetation, Soil, or Hyd			explain any answers							
SUMMARY OF FINDINGS – Atta										
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes V No Yes V No Yes No	Is the Sampled Area within a Wetland?	Yes	No						
All three wetland paramet soils) were observed at the		drology, hydropł	nytic vegeta	tion, and hydric						
			Socondary Indicato	ors (minimum of two required)						
Wetland Hydrology Indicators:	guirad, abaak all that apply)			<u>.</u>						
Primary Indicators (minimum of one is rec		o (P14)	Surface Soil Cracks (B6)Sparsely Vegetated Concave Surface (B8)							
Surface Water (A1) High Water Table (A2)	True Aquatic Plants Hydrogen Sulfide 0		Drainage Patte							
Saturation (A3)		eres on Living Roots (C3)	Moss Trim Line							
Water Marks (B1)	Presence of Reduc	= : : :								
Sediment Deposits (B2)	Recent Iron Reduc		 Dry-Season Water Table (C2) Crayfish Burrows (C8)							
Drift Deposits (B3)	Thin Muck Surface			ble on Aerial Imagery (C9)						
Algal Mat or Crust (B4)	Other (Explain in R			essed Plants (D1)						
Iron Deposits (B5)		,	Geomorphic Po							
Inundation Visible on Aerial Imagery	(B7)		Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	•		Microtopographic Relief (D4)							
Aquatic Fauna (B13)			FAC-Neutral To							
Field Observations:										
Surface Water Present? Yes	_ No V Depth (inches):									
Water Table Present? Yes	_ No V Depth (inches):									
	No Depth (inches): 2	Wetland H	lydrology Present?	? Yes <u>/</u> No						
(includes capillary fringe) Describe Recorded Data (stream gauge,	monitoring well perial photos r	previous inspections) if ava	ilahla:							
Describe Recorded Data (stream gauge,	monitoring well, aerial priotos, p	orevious irispections), ii ava	liable.							
Remarks:										

/EGETATION (Four Strata) – Use scientific na	allies Oi	p		Sampling Point: DP-439
00.6	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species _
1. Acer rubrum	30		FAC	That Are OBL, FACW, or FAC: 5 (A)
2. Liquidambar styraciflua	15		FAC	Total Number of Dominant
3				Species Across All Strata: 7 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 71.42 (A/B)
6				
7				Prevalence Index worksheet:
	45	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 22.50	20% of	total cover	9.00	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 x 2 = 0$
1. Liquidambar styraciflua	40	~	FAC	FAC species 160 x 3 = 480
2				FACU species 50 x 4 = 200
3				UPL species 0 x 5 = 0
4				Column Totals: 210 (A) 680 (B)
5 6				Prevalence Index = B/A = 3.23
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9	40			3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 20.00		= Total Cov total cover		4 - Morphological Adaptations ¹ (Provide supporting
5 ft r	20% 01	total cover		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 3111) 1. Microstegium vimineum	25	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Lonicera japonica	20		FACU	
2. Conicera Japonica 3. Smilax rotundifolia	5		FAC	¹ Indicators of hydric soil and wetland hydrology must
•				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	50	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>25.00</u>	20% of	total cover	10.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1. Smilax rotundifolia	45		FAC	
2. Lonicera japonica	20		FACU	
3. Vitis labrusca	10		FACU_	
				Hydrophytic
4.				Hydronnytic
				' ' '
4 5	75	= Total Cov	ver	Vegetation
		= Total Cov		Vegetation

SOIL								Sampling Point: DP-439
Profile Desc	cription: (Describ	be to the de	pth needed to docu	ment the	indicato	r or confirn	n the absence	of indicators.)
Depth	Matrix Redox Features					T d	Damada	
(inches) 0 - 6	Color (moist) 10YR 4/2	<u> </u>	Color (moist) 10YR 4/6	<u>%</u> 10	Type C	Loc ² PL / M	Texture Sandy Clay Loam	Remarks
6 - 13	10 TR 4/2 10 YR 5/1	<u>90</u> 85	10YR 4/6	10		PL/M	Sandy Clay Loam	
6 - 13	1011(3/1		10 YR 6/1	5	_ <u>C</u>		Sandy Clay Loam	Secondary redox color
13 - 18	10YR 5/1				<u>C</u>		Sandy Clay Loam	Secondary redox color
	1018 5/1	75	10YR 4/6	15		_ <u>M</u>		0
13 - 18			10YR 6/1	10	D	<u>M</u>	Sandy Clay Loam	Secondary redox color
			· -				-	
					_			
					_			
			·					
		epletion, RN	1=Reduced Matrix, M	S=Maske	d Sand (Grains.		L=Pore Lining, M=Matrix.
Hydric Soil			D 10 1	(O=)				ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface		(00)	/MI DA 447		cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be Thin Dark Se				, 148) C	Coast Prairie Redox (A16) (MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley			(147, 140)	Р	Piedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma		(. –)			(MLRA 136, 147)
	uck (A10) (LRR N))	Redox Dark		F6)		v	ery Shallow Dark Surface (TF12)
	d Below Dark Surf		Depleted Da				c	Other (Explain in Remarks)
	ark Surface (A12)		Redox Depr					
	Mucky Mineral (S1 A 147, 148)) (LRR N,	Iron-Mangar MLRA 13		ses (F12) (LRR N,		
	Gleyed Matrix (S4))	Umbric Surfa		(MLRA	136. 122)	³ Ind	licators of hydrophytic vegetation and
Sandy R			Piedmont Fl					etland hydrology must be present,
Stripped			Red Parent	Material (F21) (ML	.RA 127, 14	7) un	less disturbed or problematic.
	Layer (if observe	d):						
Type:								5 10 Y Y 11
	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-24								
	State: Virginia Sampling Point: DP-440								
Investigator(s):MS, AT Section, Township, Range:									
.andform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 3									
Subregion (LRR or MLRA): P 136 Lat: 36.72233904	Long: -79.4550039 Datum: WGS 84								
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to									
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hydrology significantly distu	ırbed? Are "Normal Circumstances" present? Yes No								
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Yes No V Hydric Soil Present? Yes No V	Is the Sampled Area								
Hydric Soil Present? Yes No ✓ Wetland Hydrology Present? Yes No ✓	within a Wetland? Yes No								
Remarks:									
None of the three wetland parameters (i.e., we hydric soil) were observed at this data point. HYDROLOGY									
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)								
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)								
	Surface Soil Cracks (B6) (B14) Sparsely Vegetated Concave Surface (B8)								
Surface Water (A1) True Aquatic Plants High Water Table (A2) Hydrogen Sulfide Od									
	res on Living Roots (C3) Moss Trim Lines (B16)								
Water Marks (B1) Presence of Reduce									
Sediment Deposits (B2) Recent Iron Reducti									
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re									
Iron Deposits (B5)	Geomorphic Position (D2)								
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)								
Water-Stained Leaves (B9)	Microtopographic Relief (D4)								
Aquatic Fauna (B13)	FAC-Neutral Test (D5)								
Field Observations:									
Surface Water Present? Yes No Depth (inches):									
Water Table Present? Yes No Depth (inches):									
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:								
Remarks:									
No hydrology was abserved at this data point									
No hydrology was observed at this data point.									

VEGETATION (Four Strata) – Use scientific names of plants.

		plants.		Sampling Point: DP-440
	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Carya glabra	45		FACU	That Are OBL, FACW, or FAC: 1 (A)
2. Acer rubrum	10		FAC	Total Number of Dominant
3. Prunus serotina	5		FACU	Species Across All Strata: 7 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 14.28 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: <u>30.00</u>	0 20% of	total cover:	12.00	OBL species $\frac{0}{2}$ $x = \frac{0}{4}$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{2}{33}$ $\times 2 = \frac{4}{90}$
_{1.} Juniperus virginiana	20		FACU	FAC species $\frac{33}{147}$ $\times 3 = \frac{99}{599}$
2. Quercus alba	20		FACU	FACU species 147 x 4 = 588
3. Rhus typhina	5		UPL	UPL species $\frac{5}{10.7}$ $\times 5 = \frac{25}{710}$
4				Column Totals: <u>187</u> (A) <u>716</u> (B)
5				Prevalence Index = B/A = 3.82
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				
9.				2 - Dominance Test is >50%
	45	= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 22.50	20% of	total cover:	9.00	4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Lonicera japonica	25		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dichanthelium clandestinum	20	'	FAC	4
3. Schedonorus pratensis	15	V	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Rubus allegheniensis	5		FACU	Definitions of Four Vegetation Strata:
5. Microstegium vimineum	3		FAC	Deminitions of Four Vegetation Strata.
6. Allium vineale	2		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7. Dichanthelium scoparium	2		FACW	more in diameter at breast height (DBH), regardless of height.
8.				
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				Heater All banks are seen (a see see all a) also to according
	72	= Total Cov	er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 36.00				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1. Lonicera japonica	10	~	FACU	Holght.
2.	<u>.</u>			
3				
4				
5				Hydrophytic Vegetation
<u> </u>	10	= Total Cov	er	Present? Yes No
50% of total cover: 5.00		total cover:		
Remarks: Unclude photo himbers here or on a separate	oricci.)			
Remarks: (Include photo numbers here or on a separate				
Remarks: (include photo numbers here or on a separate				
remarks: (include photo numbers here or on a separate				
Remarks: (include photo numbers here or on a separate				
Remarks: (include photo numbers here or on a separate				
remarks: (include photo numbers here or on a separate				

Depth	Matrix	0/		x Feature	S1	1 2	T 4	Damada
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	7.5YR 5/4	100	·				Silty Clay Loam	
12 - 18	7.5YR 5/4	<u> 75</u>	7.5YR 5/2	25	D	<u>M</u>	Clay Loam	
-								
_								
	-							
			<u> </u>			<u> </u>		
-								
-								
		_				· ——		
	-							
	-		<u> </u>					
vpe: C=C	oncentration, D=De	pletion, RN	/I=Reduced Matrix, M	S=Masked	d Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.
	Indicators:	1	,				Indica	ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surface	(S7)				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ce (S8) (I	/ILRA 147.		Coast Prairie Redox (A16)
	istic (A3)		Thin Dark Su		. , .		3	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			, .,	Р	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma		,			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		-6)		V	/ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ce (A11)	Depleted Da		,			Other (Explain in Remarks)
	ark Surface (A12)	,	Redox Depre					,
	Aucky Mineral (S1)	(LRR N,	Iron-Mangan			LRR N,		
	A 147, 148)	` '	MLRA 13		. ,	,		
	Gleyed Matrix (S4)		Umbric Surfa	-	(MLRA 1	36, 122)	³ Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent N					lless disturbed or problematic.
estrictive	Layer (if observed):						
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes No 🗸
emarks:	<u> </u>						,	. 1000mi. 100 NO
emarks.								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-26								
	State: Virginia Sampling Point: DP-441								
Investigator(s): MS, AT Section, Township, Range:									
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 2									
Subregion (LRR or MLRA): P 136 Lat: 36.66298513	Long: -79.51261985 Datum: WGS 84								
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percentage (1997)	cent slopes NWI classification: N/A								
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hydrology significantly distu	urbed? Are "Normal Circumstances" present? Yes No								
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)								
SUMMARY OF FINDINGS – Attach site map showing sai	mpling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Yes No V	Is the Sampled Area								
Tryunc doi: 1 resent:	within a Wetland? Yes No								
Wetland Hydrology Present? Yes No ✓ Remarks:									
None of the three wetland parameters (i.e., we hydric soil) were observed at this data point.	stiand hydrology, hydrophytic vegetation, or								
HYDROLOGY									
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)								
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)								
Surface Water (A1) True Aquatic Plants Hydrogen Sulfide O									
	dor (C1) Drainage Patterns (B10) eres on Living Roots (C3) Moss Trim Lines (B16)								
Value Marks (B1) Presence of Reduce									
Sediment Deposits (B2) Recent Iron Reduction									
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re									
Iron Deposits (B5)	Geomorphic Position (D2)								
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)								
Water-Stained Leaves (B9)	Microtopographic Relief (D4)								
Aquatic Fauna (B13)	FAC-Neutral Test (D5)								
Field Observations:									
Surface Water Present? Yes No Depth (inches):									
Water Table Present? Yes No Depth (inches):									
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No_ ✓								
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:								
Remarks:									
No hydrology was observed at this data point.									

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-441
	Absolute	Dominant	Indicator	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30 ft r</u>) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 3 (B)
				Species Across Air Strata.
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0.00 (A/B)
6				Prevalence Index worksheet:
<i>I</i>	-			Total % Cover of: Multiply by:
50% of total cover:		= Total Cov		OBL species $0 x 1 = 0$
	20% 01	total cover.		FACW species 0 x 2 = 0
Sapling/Shrub Stratum (Plot size: 10 ft r) 1. Rosa multiflora	10	~	FACU	FAC species 0 x 3 = 0
	5		FACU	FACU species 45
2. Lonicera japonica	1			UPL species $0 \times 5 = 0$
3. Solidago altissima	<u> </u>		FACU	
4				Column Totals: <u>45</u> (A) <u>180</u> (B)
5		· ——		Prevalence Index = B/A = 4.00
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 8.00	20% of	total cover:	3.20	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation (Explain)
1. Sorghastrum nutans	15		FACU	Problematic Trydrophytic Vegetation (Explain)
_{2.} Lonicera japonica	5		FACU	The disease of budgies and conductional budgets and according
3. Rosa multiflora	5		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Quercus rubra	3		FACU	Definitions of Four Vegetation Strata:
_{5.} Sorghum halepense	1		FACU	Definitions of Four Vogetation Strata.
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8.				
9	-			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.				m) tall.
10 11.				
	29	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 14.50				of size, and woody plante less than size it tail.
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in
				height.
1 2.				
·				
3				
4				Hydrophytic
5				Vegetation Present? Yes No _ ✓
FOOY of total across		= Total Cov		riesent: res No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	neet.)			
No trees or woody vine strata were o		ed at thi	s data	point.

SOIL Sampling Point: DP-441

Profile Desc	ription: (Describe	to the dep	th needed to docur	ment the i	ndicator	or confirn	n the abs	ence of indicators.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	<u>Textu</u>	re Remarks	
0 - 1	10YR 4/3	95	10YR 6/8	5	С	М	Loam		
1 - 12	7.5YR 6/6	80	7.5YR 5/3	20	С	М	Clay		
12 - 18	10YR 6/6	80	10YR 8/8	20	С	M	Clay		
	·		·						_
	-								
									_
¹Type: C=Co	oncentration, D=Dep	letion RM:	=Reduced Matrix, M	S=Masked	Sand Gr	ains.	² Locatio	on: PL=Pore Lining, M=Matrix.	_
Hydric Soil I		iodon, ravi	Troduced Matrix, III	<u> </u>	Cana On	unio.		Indicators for Problematic Hydric Soils ³ :	
Histosol			Dark Surface	e (S7)			_	2 cm Muck (A10) (MLRA 147)	
	ipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147,	, 148)	Coast Prairie Redox (A16)	
Black His			Thin Dark Su			47, 148)		(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gleye	,	F2)		_	Piedmont Floodplain Soils (F19)	
	Layers (A5)		Depleted Ma					(MLRA 136, 147)	
	ck (A10) (LRR N) I Below Dark Surface	~ (Redox Dark				-	Very Shallow Dark Surface (TF12)	
	rk Surface (A12)	e (A11)	Depleted Da Redox Depre				-	Other (Explain in Remarks)	
	lucky Mineral (S1) (L	.RR N.	Iron-Mangan			LRR N.			
	147, 148)	,	MLRA 13		, (,			
	leyed Matrix (S4)		Umbric Surfa		MLRA 13	6, 122)		³ Indicators of hydrophytic vegetation and	
Sandy R	edox (S5)		Piedmont Flo					wetland hydrology must be present,	
	Matrix (S6)		Red Parent N	Material (F	21) (MLR	A 127, 147	7)	unless disturbed or problematic.	
	ayer (if observed):								
Type:								.,	
	ches):						Hydric	Soil Present? Yes No	•
Remarks:									

Project/Site: Southeast Supply Enhancement Project City/Count	ty: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-442
Investigator(s):KZ, MS Section, T	ownship, Range:
Landform (hillslope, terrace, etc.): Terrace Local relief (c	
	Long: -79.446561 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 p	percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes _	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic?	
SUMMARY OF FINDINGS – Attach site map showing sampli	ng point locations, transects, important features, etc.
Ludrio Soil Drocont?	the Sampled Area thin a Wetland? Yes No
All three wetland parameters (i.e., wetland hydrol soils) were satisfied at this data point.	ogy, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Aquatic Fauna (B13) Field Observations: True Aquatic Plants (B14) Hydrogen Sulfide Odor (C) Oxidized Rhizospheres on Presence of Reduced Iron Recent Iron Reduction in Thin Muck Surface (C7) Other (Explain in Remark	Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Living Roots (C3) Moss Trim Lines (B16) Dry-Season Water Table (C2) Tilled Soils (C6) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches): 2	
Saturation Present? Yes No Depth (inches): 0	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previou Remarks:	

00.6	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r	% Cover	Species?	Status	Number of Dominant Species	
_{1.} Carpinus caroliniana	10		FAC	That Are OBL, FACW, or FAC: 3	(A)
2. Fraxinus pennsylvanica	10		FACW	Total Number of Dominant	
3. Liriodendron tulipifera	10		FACU		(B)
4					
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 75.00	(A/B)
6				matric obe, irrov, or irro.	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
7				Prevalence Index worksheet:	
	30	= Total Cov	er	Total % Cover of: Multiply by:	
50% of total cover: 15.00				OBL species <u>0</u> x 1 = <u>0</u>	
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 15 x 2 = 30	
Fraxinus pennsylvanica	5	~	FACW	FAC species 10 x 3 = 30	
2.				FACU species 10 x 4 = 40	
				UPL species 0 $x = 0$	
3				25 100	(B)
4		-		(1)	(5)
5		-		Prevalence Index = B/A = 2.85	
6				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
3				✓ 2 - Dominance Test is >50%	
9				✓ 3 - Prevalence Index is ≤3.0 ¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Provide suppo	ortina
50% of total cover: 2.50	20% of	total cover:	1.00	data in Remarks or on a separate sheet)	51 (111)
Herb Stratum (Plot size: 5 ft r)					,
1				Problematic Hydrophytic Vegetation ¹ (Explain)
2					
3				¹ Indicators of hydric soil and wetland hydrology mu	ust
4				be present, unless disturbed or problematic.	
				Definitions of Four Vegetation Strata:	
5 6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cr	m) oi
- -				more in diameter at breast height (DBH), regardles	ss of
7				height.	
В				Sapling/Shrub – Woody plants, excluding vines, I	ess
9				than 3 in. DBH and greater than or equal to 3.28 ft	t (1
10				m) tall.	
11				Herb – All herbaceous (non-woody) plants, regard	lless
	:	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.	
50% of total cover:	20% of	total cover:		Woody vine – All woody vines greater than 3.28 f	4 in
Woody Vine Stratum (Plot size: 30 ft r)				height.	LIII
1				11.3.11	
2.					
3.					
-					
4				Hydrophytic	
5				Vegetation Present? Yes ✓ No	
		= Total Cov		11030111	
50% of total cover:					

No herbaceous or woody vine strata were observed at this data point.

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 4/2	90	5YR 4/6	10	С	PL / M	Sandy Loam	
4 - 18	2.5Y 5/1	100					Sandy Loam	
		-			_			
		-			<u> </u>			
		_			_			
-								
		_						
				-				
1Type: C=C	oncentration D=Der	letion PM	/=Reduced Matrix, M	S=Masko	d Sand Gr	raine	² Location: D	L=Pore Lining, M=Matrix.
Hydric Soil		netion, Kiv	i-Reduced Matrix, Mi	3-IVIASKE	u Sanu Gi	allis.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(97)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ace (S8) (I	/II R Δ 1 <i>4</i> 7		Coast Prairie Redox (A16)
	stic (A3)		Tolyvalde Be				140) 0	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye			141, 140,	P	Piedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma		(· -)		<u> </u>	(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	, ,	F6)		V	/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da	•	,			Other (Explain in Remarks)
	ark Surface (A12)	,	Redox Depre					,
	Mucky Mineral (S1) (LRR N,	Iron-Mangan			LRR N,		
	A 147, 148)		MLRA 13					
Sandy G	Bleyed Matrix (S4)		Umbric Surfa	ace (F13)	(MLRA 13	36, 122)	³ Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo	oodplain	Soils (F19)	(MLRA 14	18) we	etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent I	Material (F21) (MLR	A 127, 147	7) un	lless disturbed or problematic.
Restrictive	Layer (if observed)							
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes V No
Remarks:							1.,	
Remarks.								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-443
Investigator(s):KZ, MS Sec	tion, Township, Range:
Landform (hillslope, terrace, etc.): Terrace Local re	
	Long: -79.446531 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to	
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distu	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problen	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O	
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduct	
Drift Deposits (B3) Thin Muck Surface	(C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	<u>✓</u> Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, principle (includes capillary fringe)	revious inspections), if available:
Remarks:	

VEGETATION (Four Strata) - Use scientific names of plants.

50% of total cover: 29.50

6._____ ___ ___

Tree Stratum (Plot size: 30 ft r

3. Oxydendrum arboreum

5. Fraxinus pennsylvanica

Sapling/Shrub Stratum (Plot size: 15 ft r) 1. Fraxinus pennsylvanica

Herb Stratum (Plot size: 5 ft r) 1. Scirpus cyperinus

₂ Euonymus americanus

Woody Vine Stratum (Plot size: 30 ft r

1 Liriodendron tulipifera

6. Quercus velutina

2. Carpinus caroliniana

4. Betula nigra

ames of	plants.		Sampling Point: DP-443	
Absolute	Dominant		Dominance Test worksheet:	
	Species?	Status FACU	Number of Dominant Species	
25			That Are OBL, FACW, or FAC: 3	(A)
15		FAC	Total Number of Dominant	
10		UPL	Species Across All Strata: 4	(B)
5		FACW	Percent of Dominant Species	
2		FACW	' 75.00	(A/B)
2			Prevalence Index worksheet:	
	= Total Cov			
20% of	total cover:	11.80	10 X 1	
_	à	- 4 O 1 4 /	10 10	
5		FACW	05 100	
			10 50	
			Column Totals: 70 (A) 236	(B)
			Prevalence Index = B/A = 3.37	
			Hydrophytic Vegetation Indicators:	
			1 - Rapid Test for Hydrophytic Vegetation	
			✓ 2 - Dominance Test is >50%	
5			3 - Prevalence Index is ≤3.0 ¹	
	= Total Cover:		4 - Morphological Adaptations ¹ (Provide supp	orting
20% 01	total cover.		data in Remarks or on a separate sheet)	
7	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain	1)
1		FAC		
<u> </u>			¹ Indicators of hydric soil and wetland hydrology m be present, unless disturbed or problematic.	ust
			Definitions of Four Vegetation Strata:	
			Tree – Woody plants, excluding vines, 3 in. (7.6 c more in diameter at breast height (DBH), regardle height.	
			Sapling/Shrub – Woody plants, excluding vines, than 3 in. DBH and greater than or equal to 3.28 fm) tall.	
	= Total Cov		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.	lless
20% of	total cover:	1.60	Woody vine – All woody vines greater than 3.28 f height.	t in
	Total Cov	 er	Hydrophytic Vegetation Present? Yes No	

50% of total cover: 2.50 20% of total cover: 1.00

50% of total cover: <u>4.00</u> 20% of total cover: <u>1.60</u>

= Total Cover
50% of total cover: 20% of total cover:

Remarks: (Include photo numbers here or on a separate sheet.)

No woody vine stratum was observed at this data point.

Depth	Matrix	%		lox Featur		Loc²	T	Demondra
inches) 0 - 3	Color (moist)		Color (moist) 5YR 4/6	<u>%</u> 10	Type ¹ C	PL / M	Texture Sandy Loam	Remarks
	10YR 4/2	90						
3 - 18	5Y 5/1	60	10YR 4/6	25	<u> </u>	PL / M	Sandy Loam	
3 - 18			7.5YR 4/6	15	С	M	Sandy Loam	Secondary redox color
-								
		 -	-					
	-		<u> </u>					
-								
-								
		 -	-					
				_				
ype: C=C	oncentration, D=D	epletion, RN	/I=Reduced Matrix, N	/IS=Maske	ed Sand G	Grains.	² Location: P	L=Pore Lining, M=Matrix.
/dric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
_ Histosol	I (A1)		Dark Surfac	ce (S7)			2	cm Muck (A10) (MLRA 147)
_ Histic E	pipedon (A2)		Polyvalue E	Below Surf	face (S8)	(MLRA 147,	. 148) C	Coast Prairie Redox (A16)
	istic (A3)		Thin Dark S			147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley		(F2)		P	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted M					(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		. ,			ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ace (A11)	Depleted D				c	Other (Explain in Remarks)
	ark Surface (A12)		Redox Dep					
	Mucky Mineral (S1)	(LRR N,	Iron-Manga		ses (F12)	(LRR N,		
	A 147, 148)		MLRA 1	•			3	
	Gleyed Matrix (S4)		Umbric Sur					licators of hydrophytic vegetation and
	Redox (S5)		Piedmont F					etland hydrology must be present,
	d Matrix (S6)		Red Parent	Material ((F21) (ML	RA 127, 147	7) un	less disturbed or problematic.
	Layer (if observe	a):						
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes V No
emarks:								

Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-444
Investigator(s):KZ, MS Section, Township, Range:
Landform (hillslope, terrace, etc.): Toeslope Local relief (concave, convex, none): Concave Slope (%): 4
Subregion (LRR or MLRA): P 136 Lat: 36.7291777 Long: -79.44627323 Datum: WGS 84
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes 🔽 No
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, et
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes V No
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point. HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)
High Water Table (A2) Hydrogen Sulfide Odor (C1) Drainage Patterns (B10)
Saturation (A3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduced Iron (C4) Dry-Season Water Table (C2)
Sediment Deposits (B2) Recent Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck Surface (C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remarks) Stunted or Stressed Plants (D1)
Iron Deposits (B5) Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3)
Water-Stained Leaves (B9) Microtopographic Relief (D4)
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5) Field Observations:
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches):
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches):
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches):
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5)
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Water-Stained Leaves (B9) Microtopographic Relief (D4) Aquatic Fauna (B13) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-444
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 3 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species $\frac{5}{2}$ $\times 1 = \frac{5}{4}$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{2}{70}$ $\times 2 = \frac{4}{200}$
1. Salix nigra	5		OBL	FAC species 70 x 3 = 210
2. Platanus occidentalis	2		FACW	FACU species <u>25</u>
3				UPL species <u>0</u>
4				Column Totals: 102 (A) 319 (B)
5				December 2 to day 5th 3 12
6				Prevalence Index = B/A = 3.12
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
·	7	= Total Cov		3 - Prevalence Index is ≤3.0¹
50% of total cover: 3.50				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Microstegium vimineum	70	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Rubus argutus	12		FACU	
3. Solidago altissima	10		FACU	¹ Indicators of hydric soil and wetland hydrology must
4. Lonicera japonica	3		FACU	be present, unless disturbed or problematic.
				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
1		·		height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11	<u> </u>			Herb – All herbaceous (non-woody) plants, regardless
500/ 51.1.1 47.50		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>47.50</u>	20% of	total cover:	19.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree or woody vine strata were ob	served	l at this	data p	point.

Profile Desc	ription: (Describe	to the de	pth needed to docum	nent the	indicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redo	x Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	s
0 - 2	10YR 4/2	90	5YR 4/6	10	С	PL / M	Sandy Loam			
2 - 5	5GY 4/1	80	5YR 4/6	20	<u>C</u>	PL / M	Silty Clay Loam			
5 - 18	5GY 4/1	100					Silty Clay Loam			_
				-						_
										_
										_
		_			_					
		letion, RM	1=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location: PL			
Hydric Soil I	ndicators:						Indica	tors for P	roblematic I	Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA	147)
Histic Ep	ipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (I	MLRA 147,	148) Co	oast Prairie	e Redox (A1	6)
Black Hi	stic (A3)		Thin Dark Su	rface (S9) (MLRA	147, 148)		(MLRA 14	17, 148)	
	n Sulfide (A4)		✓ Loamy Gleye	d Matrix	(F2)				oodplain Soi	ls (F19)
	Layers (A5)		<u>✓</u> Depleted Ma		` ,			(MLRA 13	•	,
	ck (A10) (LRR N)		Redox Dark S		F6)				v Dark Surfa	ce (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar						in in Remark	
	rk Surface (A12)	0 (/ (/)	Redox Depre		. ,			aror (Explo		(6)
	lucky Mineral (S1) (I	DD N	Iron-Mangan			(I DD N				
		LKK N,			565 (1 12) (LINK IN,				
	147, 148)		MLRA 13		(MI DA 4	20. 400)	31			
	leyed Matrix (S4)		Umbric Surfa							egetation and
	edox (S5)		Piedmont Flo					-	ology must be	
	Matrix (S6)		Red Parent N	/laterial (F21) (MLR	RA 127, 147	') unl	ess disturb	ed or proble	matic.
Restrictive L	.ayer (if observed):									
Type:								_		
	ches):						Hydric Soil	Present?	Yes	No
Remarks:										

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-445
Investigator(s):KZ, MS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local reli	
	Long:79.446316 Datum: WGS 84
Soil Map Unit Name: 4C - Clifford sandy loam, 7 to 15 percent s	lopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes Yes No V No V	Is the Sampled Area within a Wetland? Yes No
Remarks:	
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tland hydrology, hydrophytic vegetation, or
HYDROLOGY Westernd Mydrology Indicators	Cocondary Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (High Water Table (A2) Hydrogen Sulfide Od-	
High Water Table (A2) Hydrogen Sulfide Od Saturation (A3) Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced	
Sediment Deposits (B2) Recent Iron Reductio	
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Rer	marks) Stunted or Stressed Plants (D1)
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
No hydrology was observed at this data point.	

Dominance Test worksheet: Number of Dominant Species 1 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 25.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 8 x 2 = 16 FAC species 10 x 3 = 30 FACU species 61 x 4 = 244 UPL species 0 x 5 = 0 Column Totals: 79 (A) 290 (B) Prevalence Index = B/A = 3.67 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting deta in Percentage or on a conserve shoot)
That Are OBL, FACW, or FAC: 1 (A) Total Number of Dominant Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 25.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 $x 1 = 0$ FACW species 8 $x 2 = 16$ FAC species 10 $x 3 = 30$ FACU species 61 $x 4 = 244$ UPL species 0 $x 5 = 0$ Column Totals: 79 (A) 290 (B) Prevalence Index = B/A = 3.67 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\le 3.0^1$ 4 - Morphological Adaptations (Provide supporting)
Total Number of Dominant Species Across All Strata: $\underline{4}$ (B) Percent of Dominant Species That Are OBL, FACW, or FAC: $\underline{25.00}$ (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species $\underline{0}$ \underline{x} 1 = $\underline{0}$ FACW species $\underline{8}$ \underline{x} 2 = $\underline{16}$ FAC species $\underline{10}$ \underline{x} 3 = $\underline{30}$ FACU species $\underline{61}$ \underline{x} 4 = $\underline{244}$ UPL species $\underline{0}$ \underline{x} 5 = $\underline{0}$ Column Totals: $\underline{79}$ (A) $\underline{290}$ (B) Prevalence Index = B/A = $\underline{3.67}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ 4 - Morphological Adaptations (Provide supporting)
Species Across All Strata: 4 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 25.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 8 x 2 = 16 FAC species 10 x 3 = 30 FACU species 61 x 4 = 244 UPL species 0 x 5 = 0 Column Totals: 79 (A) 290 (B) Prevalence Index = B/A = 3.67 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ 4 - Morphological Adaptations (Provide supporting)
Percent of Dominant Species That Are OBL, FACW, or FAC: 25.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 $x 1 = 0$ FACW species 8 $x 2 = 16$ FAC species 10 $x 3 = 30$ FACU species 61 $x 4 = 244$ UPL species 0 $x 5 = 0$ Column Totals: 0 0 0 0 0 0 0 0 0 0
That Are OBL, FACW, or FAC: $\underline{25.00}$ (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species $\underline{0}$ $x 1 = \underline{0}$ FACW species $\underline{8}$ $x 2 = \underline{16}$ FAC species $\underline{10}$ $x 3 = \underline{30}$ FACU species $\underline{61}$ $x 4 = \underline{244}$ UPL species $\underline{0}$ $x 5 = \underline{0}$ Column Totals: $\underline{79}$ (A) $\underline{290}$ (B) Prevalence Index = B/A = $\underline{3.67}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ 4 - Morphological Adaptations (Provide supporting)
Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0
OBL species $\frac{0}{8}$ $x 1 = \frac{0}{16}$ FACW species $\frac{10}{10}$ $x 3 = \frac{30}{30}$ FACU species $\frac{61}{10}$ $x 4 = \frac{244}{10}$ UPL species $\frac{0}{10}$ $x 5 = \frac{0}{10}$ Column Totals: $\frac{1}{10}$ $\frac{1}$
FACW species $\frac{8}{10}$ $x 3 = \frac{16}{30}$ FACU species $\frac{61}{61}$ $x 4 = \frac{244}{244}$ UPL species $\frac{0}{79}$ $x 5 = \frac{0}{290}$ (B) Prevalence Index = B/A = $\frac{3.67}{290}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ 4 - Morphological Adaptations (Provide supporting)
FAC species $\frac{10}{61}$ $\times 3 = \frac{30}{244}$ FACU species $\frac{0}{0}$ $\times 5 = \frac{0}{290}$ Column Totals: $\frac{79}{0}$ (A) $\frac{290}{0}$ (B) Prevalence Index = B/A = $\frac{3.67}{0}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ 4 - Morphological Adaptations (Provide supporting)
FACU species $\frac{61}{0}$ $x 4 = \frac{244}{0}$ UPL species $\frac{0}{79}$ $x 5 = \frac{0}{290}$ (B) Prevalence Index = B/A = $\frac{3.67}{0}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ 4 - Morphological Adaptations (Provide supporting)
FACU species $\frac{61}{0}$ $x 4 = \frac{244}{0}$ UPL species $\frac{0}{79}$ $x 5 = \frac{0}{290}$ (B) Prevalence Index = B/A = $\frac{3.67}{0}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ 4 - Morphological Adaptations (Provide supporting)
Column Totals: $\underline{79}$ (A) $\underline{290}$ (B) Prevalence Index = B/A = $\underline{3.67}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ 4 - Morphological Adaptations ¹ (Provide supporting
Column Totals: $\underline{79}$ (A) $\underline{290}$ (B) Prevalence Index = B/A = $\underline{3.67}$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ 4 - Morphological Adaptations ¹ (Provide supporting
Prevalence Index = B/A = 3.67 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting
 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting
2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting
3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide supporting
4 - Morphological Adaptations ¹ (Provide supporting
data in Domerka ar an a sacrette about
data in Remarks or on a separate sheet)
Problematic Hydrophytic Vegetation ¹ (Explain)
¹ Indicators of hydric soil and wetland hydrology must
be present, unless disturbed or problematic.
Definitions of Four Vegetation Strata:
Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
more in diameter at breast height (DBH), regardless of
height.
Sapling/Shrub – Woody plants, excluding vines, less
than 3 in. DBH and greater than or equal to 3.28 ft (1
m) tall.
Herb – All herbaceous (non-woody) plants, regardless
of size, and woody plants less than 3.28 ft tall.
We although a Allows the day of the constant the control of the
Woody vine – All woody vines greater than 3.28 ft in height.
nogn.
Hydrophytic Vegetation
Present? Yes No

Depth	Matrix	%	Redox Features Color (moist) % Type ¹ Loc ²		Domorks
(inches) 0 - 18	Color (moist) 2.5YR 4/8	% _	Color (moist) % Type ¹ Loc ²	<u>Texture</u> Loam	Remarks
	-			Loam	
0 - 18	5YR 4/6	<u>60</u>		Loam	Secondary matrix color
-					
-					
				_	•
				_	· -
-					· -
-					
					-
	-				
					· -
ype: C=Co	oncentration, D=De	pletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: F	PL=Pore Lining, M=Matrix.
dric Soil	ndicators:			Indic	cators for Problematic Hydric Soils ³ :
_ Histosol	(A1)		Dark Surface (S7)	:	2 cm Muck (A10) (MLRA 147)
_ Histic Ep	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 14	17, 148) <u> </u>	Coast Prairie Redox (A16)
_ Black Hi			Thin Dark Surface (S9) (MLRA 147, 148		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleyed Matrix (F2)	ا	Piedmont Floodplain Soils (F19)
	l Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark Surface (F6)		Very Shallow Dark Surface (TF12)
	Below Dark Surfa	ice (A11)	Depleted Dark Surface (F7)	(Other (Explain in Remarks)
	ark Surface (A12)		Redox Depressions (F8)		
	lucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR N,		
	147, 148)		MLRA 136)	3.	
	leyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		dicators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Floodplain Soils (F19) (MLRA		etland hydrology must be present,
	Matrix (S6)	n.	Red Parent Material (F21) (MLRA 127,	1 47) ui	nless disturbed or problematic.
	_ayer (if observed	1):			
Type:			<u> </u>		
Depth (inc	ches):		<u> </u>	Hydric Soi	l Present? Yes No 🗸
emarks:					

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Sampling Date: 2025-02-24							
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-446							
Investigator(s):MS, AT Section	on, Township, Range:							
Landform (hillslope, terrace, etc.): Hillslope Local rel	lief (concave, convex, none): Concave Slope (%): 2-3							
Subregion (LRR or MLRA): P 136 Lat: 36.73491042	Long:79.44127551 Datum: WGS 84							
	Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent slopes, frequently flooded NWI classification: PSS1Eb							
Are climatic / hydrologic conditions on the site typical for this time of year? \	res No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problem.								
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No Yes No No No No No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No							
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point.	lrology, hydrophytic vegetation, and hydric							
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (High Water Table (A2) Hydrogen Sulfide Od Saturation (A3) Oxidized Rhizospher Water Marks (B1) Presence of Reducer Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (Context (B4) Other (Explain in Refundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations:	Sparsely Vegetated Concave Surface (B8) lor (C1)							
Surface Water Present? Yes No Depth (inches):								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches):								
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre Remarks:	evious inspections), if available:							

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-446
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?		Number of Dominant Species
1. Acer rubrum	70	<u> </u>	FAC	That Are OBL, FACW, or FAC: 3 (A)
2. Juniperus virginiana	10		FACU	
3				Total Number of Dominant Species Across All Strata: 5 (B)
				Species Across Air Strata.
4				Percent of Dominant Species
5		· ——		That Are OBL, FACW, or FAC: 60.00 (A/B)
6				Prevalence Index worksheet:
7				
		= Total Cov		
50% of total cover: 40.00	20% of	total cover:	16.00	ZE SPECIES X 1
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$
1. Ligustrum sinense	30	✓	FACU	FAC species 95 x 3 = 285
2. Alnus serrulata	30	~	OBL	FACU species 69 x 4 = 276
				UPL species $0 \times 5 = 0$
3				Column Totals: 194 (A) 591 (B)
4		· ——		(b)
5				Prevalence Index = $B/A = 3.04$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				
9.				✓ 2 - Dominance Test is >50%
-	60	= Total Cov		3 - Prevalence Index is ≤3.0¹
50% of total cover: <u>30.00</u>				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 70 01	10101 00101.		data in Remarks or on a separate sheet)
1. Microstegium vimineum	25	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
	6	<u> </u>	FACU	
2. Lonicera japonica				¹ Indicators of hydric soil and wetland hydrology must
3. Rubus allegheniensis	5		FACU	be present, unless disturbed or problematic.
4. Allium vineale	2		FACU	Definitions of Four Vegetation Strata:
5. Aster lateriflorus	2			- commons of tour togethere to the man
6. Elephantopus carolinianus	1		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7.	-			more in diameter at breast height (DBH), regardless of height.
				neight.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	41	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 20.50	20% of	total cover:	8.20	We advising All wead wines greater than 2.20 ft in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1. Vitis labrusca	15	✓	FACU	Holght.
•				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes V No No
50% of total cover: 7.50	20% of	total cover:	3.00	
Remarks: (Include photo numbers here or on a separate si	heet.)			
Tremaine. (morade priore nambers here of on a separate of	noct.)			

		e to the de	pth needed to docur			r or confirm	the absence	of indicators.)
Depth (inches)	Matrix Color (moist)	%	Redo Color (moist)	x Feature %	es Type ¹	Loc ²	Texture	Remarks
0 - 8	10YR 5/3	80	7.5YR 4/6	15	C	PL / M	Silt Loam	romano
0 - 8	·		10YR 6/1	5		M	Silt Loam	Secondary redox color
8 - 18	10YR 5/2	70	7.5YR 4/6	20	_ <u></u>	PL / M	Silty Clay Loam	
8 - 18	10 111 0/2			-				Coopdary raday calar
0 - 10	-		10YR 6/1	10	<u>D</u>	<u>M</u>	Silty Clay Loam	Secondary redox color
				-				-
-								
					_			
1			Deduced Metric M	0. Maralar			21 4: D	L. Dans Lindon M. Matein
Hydric Soil		epietion, Riv	I=Reduced Matrix, M	S=Maske	a Sana G	rains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(97)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be	. ,	ace (S8) (MI RΔ 147		Coast Prairie Redox (A16)
Black Hi			Thin Dark Su				0, 0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			147, 140)	Р	riedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma		(1 2)		'	(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark		F6)		V	'ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ce (A11)	Depleted Da		,			Other (Explain in Remarks)
	ark Surface (A12)	,	Redox Depre		, ,		<u> </u>	(
	lucky Mineral (S1)	(LRR N,	Iron-Mangan			(LRR N,		
	\ 147, 148)	,	MLRA 13		,	,		
	Gleyed Matrix (S4)		Umbric Surfa	•	(MLRA 1	36, 122)	³ Ind	icators of hydrophytic vegetation and
	Redox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent N					less disturbed or problematic.
Restrictive I	_ayer (if observed):	-					
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:							1	
								,
								!

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-447
Investigator(s):MS, AT Section	ion, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local re	
	Long:79.44085614 Datum: WGS 84
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent s	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oc	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections) if available:
Booting Hoostada Bata (oli dalli gaage, memlering Holl, acital photos, ph	oriodo inopositorio), il avallable.
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-447
22.5	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?	Status	Number of Dominant Species
1. Acer rubrum	35		FAC	That Are OBL, FACW, or FAC: 4 (A)
2				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4.				
5	-			Percent of Dominant Species That Are OBL_FACW_or_FAC: 100.00 (A/B)
_				That Are OBL, FACW, or FAC: 100.00 (A/B)
6	-			Prevalence Index worksheet:
7	35			Total % Cover of: Multiply by:
500/ - ft-t-1 17 50		= Total Cov		OBL species 70 x 1 = 70
50% of total cover: <u>17.50</u>	20% of	total cover:	7.00	FACW species $\frac{5}{}$ $\times 2 = \frac{10}{}$
Sapling/Shrub Stratum (Plot size: 15 ft r)	70		ODL	F-7 4-74
1. Alnus serrulata			OBL	FAC species $\frac{57}{0}$ $\times 3 = \frac{171}{0}$
2				FACU species $0 \times 4 = 0$
3				UPL species $0 \times 5 = 0$
4	-			Column Totals: 132 (A) 251 (B)
5				Brookland Index D/A 190
6				Prevalence Index = B/A = 1.90
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8		· 		<u> ✓</u> 2 - Dominance Test is >50%
9	70			3 - Prevalence Index is ≤3.0 ¹
500/ (1.1.1 25.00		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>35.00</u>	20% of	total cover:	14.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	00			Problematic Hydrophytic Vegetation ¹ (Explain)
1. Carex sp	20			resistance rejuises regulation (Explain)
2. Microstegium vimineum	10		FAC	¹ Indicators of hydric soil and wetland hydrology must
3. Dichanthelium scoparium	5		FACW	be present, unless disturbed or problematic.
4. Dichanthelium clandestinum	2		FAC	Definitions of Four Vegetation Strata:
5				Definitions of Four Vegetation of ata.
6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7.				more in diameter at breast height (DBH), regardless of height.
* :				neight.
8	-			Sapling/Shrub – Woody plants, excluding vines, less
9	-	· ——		than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tail.
11				Herb – All herbaceous (non-woody) plants, regardless
40.50		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>18.50</u>	20% of	total cover:	7.40	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1. Smilax rotundifolia	10		FAC	
2				
3				
4				Hadaaahada
5.				Hydrophytic Vegetation
<u> </u>	10	= Total Cov		Present? Yes _ No
50% of total cover: 5.00		total cover:		
		total cover.		
Remarks: (Include photo numbers here or on a separate s	neet.)			

SOIL Sampling Point: DP-447

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	S			
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	Texture	Remarks
0 - 10	10YR 4/2	95	7.5YR 4/6	3	С	PL / M	Sandy Clay Loam	
0 - 10			10YR 6/1	2	D	М	Sandy Clay Loam	Secondary redox color
10 - 18	10YR 4/2	98	7.5YR 4/6	2	С	М	Sandy Loam	
	-							
		oletion, RM	=Reduced Matrix, MS	S=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	. ,				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				,148) C	coast Prairie Redox (A16)
Black Hi			Thin Dark Su	•	•	147, 148)	_	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma	. ,				(MLRA 136, 147)
	ick (A10) (LRR N)	- (0.4.4)	Redox Dark					ery Shallow Dark Surface (TF12)
	d Below Dark Surface	e (ATT)	Depleted Date					other (Explain in Remarks)
	ark Surface (A12) lucky Mineral (S1) (I DD NI	Redox Depre Iron-Mangan			I DD N		
-	147, 148)	LKK N,	MLRA 13		es (F12) (LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa	-	MI DA 13	RE 122\	3Ind	icators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent N					less disturbed or problematic.
	_ayer (if observed)		Ned Falentin	viateriai (i	Z I) (IVILIN	A 121, 141	1) un	less disturbed of problematic.
Type:	zayer (ii observeu)	•						
	ches):						Hydric Soil	Present? Yes V No No No
Remarks:	Si 100).						Tiyano con	1105cm: 105 110
Remarks.								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2025-02-24							
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-448							
Investigator(s):MS, AT Section	on, Township, Range:							
Landform (hillslope, terrace, etc.): Swale Local relie								
	Long:79.44083515 Datum: WGS 84							
	Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent slopes, frequently flooded NWI classification: PEM1A							
Are climatic / hydrologic conditions on the site typical for this time of year? You	es No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problema								
SUMMARY OF FINDINGS – Attach site map showing sam								
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes Yes No Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No							
All three wetland parameters (i.e., wetland hydsoils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric							
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (Base) High Water Table (A2) Hydrogen Sulfide Odd Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C) Algal Mat or Crust (B4) Other (Explain in Remain Indication Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations:	Sparsely Vegetated Concave Surface (B8) or (C1)							
Surface Water Present? Yes No Depth (inches):								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches):								
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, prevention of the provided Remarks:	vious inspections), if available:							

			Sampling Point: DP-448
Absolute	Dominant		Dominance Test worksheet:
		Status	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
			Total Number of Dominant Species Across All Strata: 5 (B)
			Percent of Dominant Species That Are OBL, FACW, or FAC: 60.00 (A/B)
			That Are OBL, I ACW, OF I AC.
			Prevalence Index worksheet:
			Total % Cover of: Multiply by:
			OBL species 30 x 1 = 30
20 /0 01	total cover		FACW species 15 x 2 = 30
10	~	OBL	FAC species 25 x 3 = 75
		<u> </u>	FACU species 27 x 4 = 108
			UPL species 0 $x = 0$
			Column Totals: 97 (A) 243 (B)
			Column Totals (A) (B)
			Prevalence Index = B/A = 2.50
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			✓ 2 - Dominance Test is >50%
			✓ 3 - Prevalence Index is ≤3.0 ¹
10	= Total Cov	er	1
20% of	total cover	2.00	4 - Morphological Adaptations ¹ (Provide supporting
			data in Remarks or on a separate sheet)
25	•		Problematic Hydrophytic Vegetation ¹ (Explain)
25	~	FAC	
20	~	OBL	¹ Indicators of hydric soil and wetland hydrology must
20	~	FACU	be present, unless disturbed or problematic.
15		FACW	Definitions of Four Vegetation Strata:
2			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
			more in diameter at breast height (DBH), regardless of
	-		height.
			Sapling/Shrub – Woody plants, excluding vines, less
	-		than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Herb – All herbaceous (non-woody) plants, regardless
			of size, and woody plants less than 3.28 ft tall.
20% of	total cover	21.40	Woody vine – All woody vines greater than 3.28 ft in
_			height.
5		FACU_	
			Hydrophytic
			Vegetation
5	= Total Cov	er	Present? Yes V No
	= Total Cov total cover:		Present? Yes V No
		## Cover Species?	## Cover Species? Status

Profile Desc	ription: (Describe	to the de	oth needed to docur	ment the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 4/2	80	7.5YR 4/6	15	С	PL / M	Silty Clay Loam	
0 - 12	-	_	10YR 6/1	5	D	M	Silty Clay Loam	Secondary redox color
12 - 18	10YR 4/2	65	7.5YR 4/6	35	С	PL / M	Clay Loam	
12 - 18			10YR 6/1	5	D	<u>M</u>	Clay Loam	Secondary redox color
	-							
	-							
1- 0.0							21	
Hydric Soil I		pletion, RIV	I=Reduced Matrix, M	S=Maske	d Sand Gi	rains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(97)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		aca (S8) (1	MI DA 147		coast Prairie Redox (A16)
Black His			Thin Dark Su				146) 0	(MLRA 147, 148)
	n Sulfide (A4)					147, 140)	Ь	The state of the s
	, ,		Loamy Gleye		(FZ)		P	iedmont Floodplain Soils (F19)
	Layers (A5)		<u>✓</u> Depleted Ma	. ,	F 0\			(MLRA 136, 147)
	ck (A10) (LRR N)	(8.4.4)	Redox Dark	•				ery Shallow Dark Surface (TF12)
	Below Dark Surface	ce (A11)	Depleted Da				0	other (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
	lucky Mineral (S1) (LRR N,	Iron-Mangan		ses (F12)	(LRR N,		
	A 147, 148)		MLRA 13	•				
	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo	oodplain S	Soils (F19)) (MLRA 1 4	l8) we	tland hydrology must be present,
Stripped	Matrix (S6)		Red Parent I	Material (I	=21) (MLF	RA 127, 147	7) uni	less disturbed or problematic.
Restrictive L	_ayer (if observed)):						
Type:								
	ches):						Hydric Soil	Present? Yes No No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania County Samp	pling Date: 2025-02-24			
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sa	mpling Point: DP-449			
140.47	on, Township, Range:				
Landform (hillslope, terrace, etc.): Hillslope Local rel					
	Long:79.440565				
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent					
Are climatic / hydrologic conditions on the site typical for this time of year? $$ Y	′es No (If no, explain in Remark	is.)			
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present	t? Yes V No No			
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in R	Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing san		oortant features, etc.			
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes Yes No V No V Remarks:	Is the Sampled Area within a Wetland? Yes	No <u>~</u>			
Only one (i.e., hydrophytic vegetation) of the t data point. HYDROLOGY	hree wetland parameters was	satisfied at this			
Wetland Hydrology Indicators:	Secondary Indicators (r	minimum of two required)			
Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)			
Surface Water (A1) True Aquatic Plants (Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8)			
High Water Table (A2) Hydrogen Sulfide Od		Drainage Patterns (B10)			
Saturation (A3) Oxidized Rhizospher					
Water Marks (B1) Presence of Reduced					
Sediment Deposits (B2) Recent Iron Reduction					
Drift Deposits (B3) Thin Muck Surface (0		on Aerial Imagery (C9)			
Algal Mat or Crust (B4) Other (Explain in Rer					
Iron Deposits (B5)	Geomorphic Position				
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D3)			
Water-Stained Leaves (B9)		Microtopographic Relief (D4)			
Aquatic Fauna (B13)	FAC-Neutral Test (
Field Observations:					
Surface Water Present? Yes No Depth (inches):					
Water Table Present? Yes No Depth (inches):					
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Y	res No			
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections). if available:	_			
Remarks:					
No hydrology was observed at this data point.					
ind flydrology was observed at this data point.					

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific r	ames of	plants.		Sampling Point: DP-449
00.6	Absolute			Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size: <u>30 ft r</u>) 1		Species?	<u>Status</u>	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2				
3				Total Number of Dominant Species Across All Strata: 3 (B)
4				openies / torous / tir otrata.
5				Percent of Dominant Species That Are OBL FACW or FAC: 66.66 (A/B)
				That Are OBL, FACW, or FAC: 66.66 (A/B)
6 7				Prevalence Index worksheet:
· -		= Total Cov	or	Total % Cover of: Multiply by:
50% of total cover:				OBL species $0 x 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 25 x 2 = 50
1				FAC species 15 x 3 = 45
2				FACU species 40 x 4 = 160
3				UPL species 10 x 5 = 50
				Column Totals: <u>90</u> (A) <u>305</u> (B)
4 5.				
_				Prevalence Index = B/A = 3.38
~ 				Hydrophytic Vegetation Indicators:
7 o				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9		= Total Cov		3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 70 0.	10101 00101	·	data in Remarks or on a separate sheet)
1. Rubus allegheniensis	20	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Dichanthelium clandestinum	15	~	FAC	
3. Juncus effusus	15		FACW	¹ Indicators of hydric soil and wetland hydrology must
4. Andropogon virginicus	10		FACU	be present, unless disturbed or problematic.
_{5.} Eupatorium capillifolium	10		FACU	Definitions of Four Vegetation Strata:
6 Eupatorium perfoliatum	10		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7 Panicum scoparium	10		UPL	more in diameter at breast height (DBH), regardless of height.
8.				Height.
9.	·			Sapling/Shrub – Woody plants, excluding vines, less
40	·			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				
11		= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45.00				of size, and woody plants less than 5.20 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 70 0.	10101 00101		Woody vine – All woody vines greater than 3.28 ft in
1				height.
·				
3 4				
				Hydrophytic
5				Vegetation Present? Yes V No
50% of total cover:		= Total Cover		
Remarks: (Include photo numbers here or on a separate s		total cover		
rtemarks. (include prioto numbers here or on a separate	sileet.)			
No tree, sapling/shrub, or woody vin	e strata	a were o	vrezac	ea at this data point.

(inches)	Matrix	%	Red	ox Feature	S Tympa ¹	Loc²	Toytura		Domorko	
(inches)	Color (moist)		Color (moist)	<u>%</u> 10	Type ¹		<u>Texture</u>		Remarks	
0 - 16	10YR 5/4	90	7.5YR 5/8	10	<u>C</u>	<u>M</u>	Clay Loam			
16 - 18	10YR 4/2	<u>85</u>	7.5YR 4/6	10	<u>C</u>	<u>M</u>	Clay Loam			
-										
_										
			-	·						
-										
			· -					-		
ype: C=Co	oncentration, D=De	epletion, RN	M=Reduced Matrix, M	IS=Maske	d Sand G	rains.	² Location: P	L=Pore Linin	g, M=Matrix	•
ydric Soil I	Indicators:						Indica	ators for Pro	blematic H	ydric Soils ³ :
_ Histosol	(A1)		Dark Surfac					cm Muck (A	10) (MLRA	147)
	oipedon (A2)		Polyvalue B		. , .		148) C	oast Prairie	Redox (A16))
_ Black Hi			Thin Dark S			147, 148)		(MLRA 147		
	en Sulfide (A4)		Loamy Gley		(F2)		P	iedmont Floo		s (F19)
	d Layers (A5)		Depleted Ma					(MLRA 136		
	ick (A10) (LRR N)		Redox Dark		,			ery Shallow		
	d Below Dark Surfa	ace (A11)	Depleted Da		. ,		0	ther (Explair	in Remarks	s)
	ark Surface (A12)	(LDD N	Redox Depr			(I DD N				
	Mucky Mineral (S1)	(LKK N,	Iron-Manga		ses (F12)	(LKK N,				
	A 147, 148)		MLRA 1	-	/MIDA 1	26 422\	3Ind	icatora of by	dranhytiaya	actation and
	Gleyed Matrix (S4)		Umbric Surf							getation and
	Redox (S5) I Matrix (S6)		Piedmont F Red Parent					tland hydrolo less disturbe		
	Layer (if observed	1/-	Red Palelii	iviateriai (i	-21) (IVILI	KA 121, 141	r) un	less disturbe	u or problem	ilalic.
esu icuve i	Layer (ii observed	1).								
Type:	-L \.						11	D	V	N . V
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No <u>~</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No <u>~</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No_ <u></u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No <u>v</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u> </u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u> ✓</u> _
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No_ <u>-</u> /
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No_ <u>v</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u>~</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u>~</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u>~</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u>~</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u>~</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	_ No <u>~</u>
Туре:	ches):						Hydric Soil	Present?	Yes	No_ <u>-</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No_ <u>-</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No_ <u>-</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No_ <u>-</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No_ <u>-</u>
Type: Depth (inc	ches):						Hydric Soil	Present?	Yes	No V
Type:	ches):						Hydric Soil	Present?	Yes	No V

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-450
Investigator(s):KZ, MS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local reli	ef (concave, convex, none): Concave Slope (%): 2
	Long:79.43513072 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	slopes, severely eroded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No Yes No No Yes No Yes No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hyd soils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (I High Water Table (A2) Hydrogen Sulfide Odd Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reductio Drift Deposits (B3) Thin Muck Surface (C Iron Deposits (B5) Other (Explain in Ren Iron Deposits (B5) Other (Explain in Ren Water-Stained Leaves (B9) Other (Explain in Ren Aquatic Fauna (B13) Depth (inches): Water Table Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Sparsely Vegetated Concave Surface (B8) or (C1)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-450
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 66.66 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species 0 x 1 = 0
50% of total cover:	20% of	total cover:		FACW species 15
Sapling/Shrub Stratum (Plot size: 15 ft r)	75	.,	FACIL	FAC species 15 x 3 = 45
1. Alnus incana			FACU	FACU species 75
2				UPL species 0 x 5 = 0
3				
4				Column Totals: 105 (A) 375 (B)
5				Prevalence Index = B/A = $\frac{3.57}{}$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
77.50		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>37.50</u>	20% of	total cover:	13.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r 1. Scirpus cyperinus	15	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Scripus cyperinus 2. Microstegium vimineum	10		FAC	
3. Smilax rotundifolia	5		FAC	¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11	30			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 15.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /6 01	total cover.	0.00	Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2 3				
4				
				Hydrophytic
5		= Total Cov		Vegetation Present? Yes ✓ No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate since or woody vine strata were obtained by the control of the control o	•	l at this	data p	point.

	wintian. (Decerit	40 400 40		mant tha	in dia ata	. au aanfiun	the change o	findicators \
	-		epth needed to docu			or confirm	the absence o	f indicators.)
epth iches)	Matrix Color (moist)	%	Color (moist)	ox Feature %	s Type ¹	Loc ²	Texture	Remarks
0 - 9	2.5Y 4/2	75	5YR 4/6	25	C	PL / M	Sandy Loam	
9 - 18	2.5Y 5/2	95	10YR 4/4	5	C	M	Sandy Loam	
	2.01 0/2		101111414	<u> </u>				
					· -			
-					<u></u>			
-								
_								
		 -	_					
			-					
			_		· <u></u>			
		epletion, RN	M=Reduced Matrix, M	S=Maske	d Sand G	rains.		=Pore Lining, M=Matrix. ors for Problematic Hydric Soils ³
	Indicators:		Davis Confee	- (07)				· · · · · · · · · · · · · · · · · · ·
Histosol	pipedon (A2)		Dark Surface Polyvalue Be		nce (S8) (MI DA 147		m Muck (A10) (MLRA 147) ast Prairie Redox (A16)
Black Hi			Thin Dark S					MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley			141, 140)		dmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma		,			MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark					ry Shallow Dark Surface (TF12)
	d Below Dark Surf	ace (A11)	Depleted Da				Oth	ner (Explain in Remarks)
	ark Surface (A12)	/ I DD N	Redox Depr			/I DD N		
	Mucky Mineral (S1) A 147, 148)	(LKK N,	Iron-Mangar MLRA 13		es (F12)	(LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa		(MLRA 1	36, 122)	³ Indic	ators of hydrophytic vegetation and
	Redox (S5)		Piedmont FI					and hydrology must be present,
	l Matrix (S6)		Red Parent	Material (F	-21) (ML I	RA 127, 147	') unle	ss disturbed or problematic.
strictive I	Layer (if observe	d):						
Depth (inc	ches):						Hydric Soil P	resent? Yes 🔽 No
narks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-451
Investigator(s):KZ, MS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local relic	ef (concave, convex, none): Concave Slope (%): 2
Subregion (LRR or MLRA): P 136 Lat: 36.741699	Long:79.435095 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	slopes, severely eroded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? You	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes Yes No Yes No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hydsoils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (Bandard) High Water Table (A2) Hydrogen Sulfide Odd Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (Compared) Algal Mat or Crust (B4) Other (Explain in Remark) Iron Deposits (B5) Other (Explain in Remark) Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Sparsely Vegetated Concave Surface (B8) or (C1) Drainage Patterns (B10) es on Living Roots (C3) Moss Trim Lines (B16) I Iron (C4) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks:	

Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2
Total Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species 2 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 100 x 2 = 200
Species Across All Strata: 2 (B) Percent of Dominant Species 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0
Species Across All Strata: 2 (B) Percent of Dominant Species 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0
Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 100 x 2 = 200
That Are OBL, FACW, or FAC: 100.00 (A/B) Prevalence Index worksheet:
Prevalence Index worksheet: Total % Cover of: Multiply by:
Prevalence Index worksheet:
OBL species 0 $x = 0$ FACW species 0 $x = 0$ 0 0 0 0
FACW species $\frac{100}{0}$ $\times 2 = \frac{200}{0}$
<u>0</u> 0
FAC species $V \times 3 = V$
FACU species $\frac{5}{2}$ $\times 4 = \frac{20}{2}$
UPL species $0 \times 5 = 0$
Column Totals: 105 (A) 220 (B)
Prevalence Index = B/A = 2.09
Hydrophytic Vegetation Indicators:
1 - Rapid Test for Hydrophytic Vegetation
2 - Dominance Test is >50%
3 - Prevalence Index is ≤3.0¹
al Cover 4 - Morphological Adaptations ¹ (Provide supporting
data in Remarks or on a separate sheet)
Droblematic Hydrophytic Veretation 1 (Evalein)
17.611
FACW FACII 1 Indicators of hydric soil and wetland hydrology must
FACU Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Definitions of Four Vegetation Strata:
Trace Washingtonian Oir (70 an) and
Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
height.
Sapling/Shrub – Woody plants, excluding vines, less
than 3 in. DBH and greater than or equal to 3.28 ft (1
m) tall.
Herb – All herbaceous (non-woody) plants, regardless
of size, and woody plants less than 3.28 ft tall.
cover: 21.00 Woody vine – All woody vines greater than 3.28 ft in
height.

Hydrophytic
Vegetation Present? Vegetation Present? Vegetation
al Cover resent? res No
ootaal (

SOIL Sampling Point: DP-451

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix	-	Redo	x Feature	s			•
(inches)	Color (moist)	%	Color (moist)	%	_Type ¹	Loc ²	Texture	Remarks
0 - 8	10YR 4/2	65	5YR 4/6	35	С	PL / M	Sandy Clay Loam	
8 - 18	10YR 4/2	55	5YR 4/6	30	С	М	Clay Loam	
8 - 18			10G 5/1	15	D	М	Clay Loam	Secondary redox color
-								
¹Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.	² Location: Pl	_=Pore Lining, M=Matrix.
Hydric Soil I			·					tors for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ce (S8) (N	/ILRA 147,		oast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	rface (S9	(MLRA	147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (F2)		Pi	iedmont Floodplain Soils (F19)
Stratified	l Layers (A5)		✓ Depleted Ma	trix (F3)				(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S	,	,			ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar				0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
-	lucky Mineral (S1) (I	_RR N,	Iron-Mangan		es (F12) (LRR N,		
	147, 148)		MLRA 13				3	
-	leyed Matrix (S4)		Umbric Surfa					cators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7) unl	ess disturbed or problematic.
	_ayer (if observed):							
Type:								
	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project	City/County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-452
Investigator(s):MS, AT	Section, Township, Range:
• , , -	Local relief (concave, convex, none): Concave Slope (%): 2
Subregion (LRR or MLRA): P 136 Lat: 36.746512	
· · · · · · · · · · · · · · · · · · ·	25 to 45 percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of	year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significant	tly disturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally p	
	ng sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland soils) were satisfied at this data point. HYDROLOGY	d hydrology, hydrophytic vegetation, and hydric
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	
Surface Water (A1) True Aquatic	· ·
High Water Table (A2) High Water Table (A2) Hydrogen Su	
	zospheres on Living Roots (C3) Moss Trim Lines (B16)
	Reduced Iron (C4) Dry-Season Water Table (C2)
	Reduction in Tilled Soils (C6) Crayfish Burrows (C8)
Drift Deposits (B3) Thin Muck St	
Algal Mat or Crust (B4) Other (Explai	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inche	
Water Table Present? Yes No Depth (inche	
Saturation Present? Yes No Depth (inches	es): 4 Wetland Hydrology Present? Yes V No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	ntos previous inspections) if available:
Describe Necorded Data (stream gauge, monitoring well, aerial pric	nos, previous inspections), ii available.
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

		plants.		Sampling Point: DP-452
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Acer rubrum	15		FAC	That Are OBL, FACW, or FAC: 3 (A)
2				Total Number of Dominant
3				Species Across All Strata: 5 (B)
4				D
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 60.00 (A/B)
6				That rice OBE, Triott, Stirro.
7				Prevalence Index worksheet:
	15	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 7.50				OBL species <u>70</u> x 1 = <u>70</u>
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$
1 Alnus serrulata	70	~	OBL	FAC species 38 x 3 = 114
2				FACU species 40 x 4 = 160
				UPL species 0 x 5 = 0
3				Column Totals: 148 (A) 344 (B)
4				(, (,
5				Prevalence Index = B/A = 2.32
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>35.00</u>	20% of	total cover:	14.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Lonicera japonica	15		FACU	1 Toblematic Hydrophytic Vegetation (Explain)
2. Microstegium vimineum	5		FAC	¹ Indicators of hydric coil and wotland hydrology must
3. Smilax rotundifolia	5		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Carex pensylvanica	2		FAC	Definitions of Four Vegetation Strata:
5. Dichanthelium clandestinum	1		FAC	John Mondo of Four Vogotation Official
6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				
9.				Sapling/Shrub – Woody plants, excluding vines, less
				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10 11.				
11	28			Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 14.00		= Total Cov total cover:		or size, and woody plants less than 5.20 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
1 Lonicera japonica	25	V	FACU	height.
2 Smilax rotundifolia	10		FAC	
			1 40	
3				
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes No
50% of total cover: <u>17.50</u>	20% of	total cover:	7.00	
Remarks: (Include photo numbers here or on a separate s	heet.)			
		total cover.		

SOIL

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 12	10YR 4/2	90	10YR 4/6	5	С	PL / M	Silty Clay Loam	
0 - 12			10YR 6/1	5	D	M	Silty Clay Loam	Secondary redox color
12 - 18	10YR 5/1	98	10YR 4/6	2	С	M	Silty Clay Loam	
				-				
-								
-		-,						
		· ——						
1 _{Type:} C=Ce	noontration D=Don	Jotion DM	I=Roduced Metrix, MS		d Sand Cr		² Location: D	L-Doro Lining M-Metrix
Hydric Soil I		netion, Riv	I=Reduced Matrix, MS	s=iviaske	d Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(87)				-
			Dark Surface Polyvalue Be		200 (89) (MI DA 147		cm Muck (A10) (MLRA 147)
	ipedon (A2)				. , .		148) C	Coast Prairie Redox (A16)
Black His			Thin Dark Su			147, 148)	_	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		P	riedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)
Depleted	l Below Dark Surfac	e (A11)	Depleted Dar	rk Surfac	e (F7)		c	Other (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Depre	essions (F	⁻ 8)			
Sandy M	lucky Mineral (S1) (I	LRR N,	Iron-Mangan	ese Mass	ses (F12) ((LRR N,		
MLRA	147, 148)		MLRA 13	6)				
	leyed Matrix (S4)		Umbric Surfa		(MLRA 13	36, 122)	³ Ind	icators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent N					less disturbed or problematic.
	ayer (if observed):		rear arener	natoriai (i	21) (IIILI	127, 147	, un	rese distarbed of problematic.
Type:	ayo. (ii obool rou).	•						
• • • • • • • • • • • • • • • • • • • •	ches):						Hydric Soil	Present? Yes V No
Remarks:	, -						1 -	
r torriarito.								

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-453
Investigator(s):MS, AT Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Swale Local reli	ef (concave, convex, none): Concave Slope (%): 2-3
Subregion (LRR or MLRA): P 136 Lat: 36.74639878	Long:79.43012841 Datum: WGS 84
Soil Map Unit Name: 21E - Poplar Forest fine sandy loam, 25 to 4	45 percent slopes NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturt	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hyd soils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1)	Sparsely Vegetated Concave Surface (B8) or (C1)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre Remarks:	

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-453
20 #		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r		Species?	<u>Status</u>	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
50% of total cover:		= Total Cover:		OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)			_	FACW species 70 x 2 = 140
1				FAC species $0 \times 3 = 0$
2				FACU species 19 x 4 = 76
3				UPL species 2 x 5 = 10
4				Column Totals: 91 (A) 226 (E
5				
6				Prevalence Index = B/A = 2.48
7				Hydrophytic Vegetation Indicators:
8				✓ 1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
		= Total Cove	er	✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover:	20% of	total cover:		4 - Morphological Adaptations ¹ (Provide supporti
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
1. Juncus effusus	40		FACW	Problematic Hydrophytic Vegetation (Explain)
2. Dichanthelium scoparium	20		FACW	¹ Indicators of hydric soil and wetland hydrology must
3. Rubus argutus	10		FACU	be present, unless disturbed or problematic.
4. Teucrium canadense	10		FACW	Definitions of Four Vegetation Strata:
5. Solidago canadensis	8		FACU	Tree Meady plants avaluating vines 2 in (7.0 are)
6. Packera anonyma	2		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless of
7. Elymus canadensis	1		FACU	height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11	04			Herb – All herbaceous (non-woody) plants, regardles
500% of total account 45.50		= Total Cove		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 45.50	20% of	total cover:	10.20	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
		= Total Cove		
50% of total cover:	20% of	total cover.		

SOIL

Profile Desc	ription: (Describe	to the dep	oth needed to docum	nent the	indicator	or confirn	the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 18	10YR 5/2	85	7.5YR 4/6	10	С	PL / M	Silty Clay Loam	
0 - 18			10YR 6/1	5	D	М	Silty Clay Loam	Secondary redox color
	-				-			
-								
				-				
-								
					-			
		letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface					cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Mar					(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S					ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar				0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
-	Mucky Mineral (S1) (I	LRR N,	Iron-Mangan		ses (F12) (LRR N,		
	A 147, 148)		MLRA 13		/MI DA 46	0. 400)	31	:
-	Gleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6) Layer (if observed)	-	Red Parent N	nateriai (i	-21) (WLK	A 127, 14	r) uni	ess disturbed or problematic.
	Layer (ii observed)							
Type:								./
Depth (in	ches):						Hydric Soil	Present? Yes V No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City	y/County: Pittsylvania County Sampling Date: 2025-02-24
	State: Virginia Sampling Point: DP-454
	ection, Township, Range:
	relief (concave, convex, none): Concave Slope (%): 3-4
	Long:79.43009667
Soil Map Unit Name: 21E - Poplar Forest fine sandy loam, 25 t	
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)
	sturbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally proble	
	ampling point locations, transects, important features, etc.
Voc. of No.	
Hydrophytic Vegetation Present? Yes No Yes No No Ves	Is the Sampled Area
Tryuno don't resent:	within a Wetland? Yes No
Wetland Hydrology Present? Yes No 🗸 Remarks:	
data point.	three wetland parameters was satisfied at this
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plant	
High Water Table (A2) Hydrogen Sulfide (· · ·
	neres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Redu	
Sediment Deposits (B2) Recent Iron Reduct Drift Deposits (B3) Thin Muck Surface	ction in Tilled Soils (C6) Crayfish Burrows (C8) e (C7) Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in F	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	<u>✓</u> FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:
Remarks:	
No hydrology was observed at this data poin	t; only one secondary indicator was present.

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-454
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				B + (B + +0 +
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				That rice OBE, Triott, Stirre (708)
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:				OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)	<u> </u>		,	FACW species 60 x 2 = 120
1				FAC species 20 x 3 = 60
2				FACU species 27 x 4 = 108
				UPL species 0 x 5 = 0
3				Column Totals: 107 (A) 288 (B)
4 5.				
				Prevalence Index = B/A = 2.69
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	00		E A C\A/	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Dichanthelium scoparium	60		FACW	
2. Solidago rugosa	20		FAC	¹ Indicators of hydric soil and wetland hydrology must
3. Sorghastrum nutans	15		FACU	be present, unless disturbed or problematic.
4. Allium vineale	5		FACU	Definitions of Four Vegetation Strata:
_{5.} Lonicera japonica	5		FACU	
6. Potentilla indica	2		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Hauk All hauk cooks (non kuondu) planta nongulan
	407	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 53.50				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				neight.
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes ✓ No
50% of total cover:		= Total Cov		1.00
		total cover.		
Remarks: (Include photo numbers here or on a separate s No tree, sapling/shrub, or woody vine	ŕ	were o	bserv	ed at this data point.

Depth	Matrix	<u> </u>	Redox Features Color (moist) % Type ¹ Loc ²	Touture	Domarko
(inches)	Color (moist)		Color (moist) % Type ¹ Loc ²	Texture	Remarks
0 - 4	10YR 4/3	100		Silt Loam	
4 - 16	10YR 5/4	100		Silt Loam	
16 - 18	10YR 6/2	100		Silty Clay Loam	
-					
_					
	-				
					
-					
-					
_					
					
	-				
		epletion, RM=F	Reduced Matrix, MS=Masked Sand Grains.	Location: P	L=Pore Lining, M=Matrix.
-	Indicators:				ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 147,	148) 0	Coast Prairie Redox (A16)
	istic (A3) en Sulfide (A4)		Thin Dark Surface (S9) (MLRA 147, 148) Loamy Gleyed Matrix (F2)	D	(MLRA 147, 148) Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	uck (A10) (LRR N)	1	Redox Dark Surface (F6)	V	/ery Shallow Dark Surface (TF12)
	d Below Dark Surf		Depleted Dark Surface (F7)		Other (Explain in Remarks)
	ark Surface (A12)		Redox Depressions (F8)		
_ Sandy N	Mucky Mineral (S1)) (LRR N,	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148)		MLRA 136)		
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 14		etland hydrology must be present,
	d Matrix (S6)		Red Parent Material (F21) (MLRA 127, 147	<u>')</u> un	less disturbed or problematic.
	Layer (if observe	d):			
Type:			<u>—</u>		.,
Depth (in	ches):		<u> </u>	Hydric Soil	Present? Yes No
emarks:					

Project/Site: Southeast Supply Enhancement Project Cit	ty/County: Pittsylvania County Sampling Date: 2025-02-24					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLo						
1/7 140	ection, Township, Range:					
• , ,	relief (concave, convex, none): Concave Slope (%): 2					
	Long: -79.423903 Datum: WGS 84					
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year'						
	sturbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally proble						
	campling point locations, transects, important features, etc.					
Hydric Soil Present? Hydric Soil Present? Hydric Soil Present? Yes V No	Is the Sampled Area					
Tryune doi: 1 resent:	within a Wetland? Yes No					
Wetland Hydrology Present? Yes ✓ No Remarks:						
soils) were satisfied at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plan						
High Water Table (A2) Hydrogen Sulfide Saturation (A3) Oxidized Rhizosp	Odor (C1) Drainage Patterns (B10) heres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Redu						
	ction in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface						
Algal Mat or Crust (B4) Other (Explain in	Remarks) Stunted or Stressed Plants (D1)					
Iron Deposits (B5)	<u>✓</u> Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):_ Water Table Present? Yes No Depth (inches):_						
Water Table Present? Yes No Depth (inches):_ Saturation Present? Yes No Depth (inches):_						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:					
Remarks:						

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1)	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2.				Total Number of Dominant
1	- · 			Percent of Dominant Species
5. 5.				That Are OBL, FACW, or FAC: 100.00 (A/B
7				Prevalence Index worksheet:
50% of total cover:		= Total Cov		OBL species 5 $x 1 = 5$
	20% 01	total cover.		FACW species $0 x 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)	_	.,	ODL	FAC species 80 x 3 = 240
1. Salix nigra			OBL	
2. Rhus copallinum			FACU	
3. 4.				UPL species 0 $x = 0$ (B) Column Totals: 86 (A) 249
45				Prevalence Index = B/A = 2.89
6				Hydrophytic Vegetation Indicators:
7				
3.				1 - Rapid Test for Hydrophytic Vegetation
9	· 			✓ 2 - Dominance Test is >50%
5	6	= Total Cov		✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 3.00				4 - Morphological Adaptations ¹ (Provide supporting
_	20% 01	total cover.		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	60		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Dichanthelium clandestinum	60			
2 _. Microstegium vimineum	15		FAC	¹ Indicators of hydric soil and wetland hydrology must
_{3.} Verbesina alternifolia	5		FAC	be present, unless disturbed or problematic.
4	· <u></u>			Definitions of Four Vegetation Strata:
5				Definitions of Four Vegetation Strata.
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
				noight.
	· 	· ·		Sapling/Shrub – Woody plants, excluding vines, less
9	· 			than 3 in. DBH and greater than or equal to 3.28 ft (1
10		· 		m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
500/ (1.1.) 40.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 40.00	20% of	total cover	10.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				
5				Hydrophytic Vegetation
o		= Total Cov		Present? Yes V No No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate :		10101 00101		
Tromaino. (iniciade prioto hambero nere or on a separate :	ccl.)			
No tree or woody vine strata were ol	Server	l at this	data r	ooint
NO LIEE OF WOODLY VILLE SITALA WELE OF	JSCI V CU	a at tills	uatat	JOHA.

41-	N.A. m.A.miss		Dada	Caat			
th nes)	Matrix Color (moist)	%	Color (moist)	ox Features % Ty	pe ¹ Loc ²	Texture	Remarks
- 18	10YR 4/2	95	5YR 5/6	5 C	<u>M</u>	Sandy Loam	. 10
-							
<u>-</u>			-				
-							
-							
<u>-</u> -							
	ancontration D-Da	nlation DN	4-Dadwaad Matrix M	C-Maskad Sar		21 continue DI =	Doro Lining M-Motriy
	oncentration, D=De	pletion, Ri	M=Reduced Matrix, M	S=Masked Sar	id Grains.		Pore Lining, M=Matrix. rs for Problematic Hydric Soils
Stratified Com Mu Depleted Thick Da Sandy M MLRA Sandy G Sandy G Sandy F Stripped	en Sulfide (A4) d Layers (A5) uck (A10) (LRR N) d Below Dark Surfa ark Surface (A12) Mucky Mineral (S1) A 147, 148) Gleyed Matrix (S4) Redox (S5) d Matrix (S6)	(LRR N,	Depleted Ma Redox Dark Depleted Da Redox Depri Iron-Mangar MLRA 13 Umbric Surfa Piedmont Fle	Surface (F6) ark Surface (F7) essions (F8) nese Masses (F 36)	12) (LRR N, RA 136, 122) F19) (MLRA 1	(N Very Othe ³ Indica (148) wetla)	Imont Floodplain Soils (F19) ILRA 136, 147) Y Shallow Dark Surface (TF12) er (Explain in Remarks) Itors of hydrophytic vegetation and hydrology must be present, s disturbed or problematic.
rictive I ype:	Layer (if observed):					
epth (in	ches):					Hydric Soil Pr	resent? Yes 🗸 No

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania Sampling Date: 2025-02-24						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-456						
Investigator(s):KZ, MS Secti	on, Township, Range:						
Landform (hillslope, terrace, etc.): Terrace Local rel	lief (concave, convex, none): Concave Slope (%): 3						
Subregion (LRR or MLRA): P 136 Lat: 36.75318702	Long:79.42395556 Datum: WGS 84						
Soil Map Unit Name: 21D - Poplar Forest fine sandy loam, 15 to 25 percent slopes NWI classification: N/A							
Are climatic / hydrologic conditions on the site typical for this time of year? \	res No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problem							
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No 🗸							
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V No	Is the Sampled Area						
Wetland Hydrology Present?	within a Wetland? Yes No						
Remarks:							
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants							
High Water Table (A2) Hydrogen Sulfide Od							
	res on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduce							
Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Rei							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:						
Remarks:							
No hydrology was observed at this data point.							

VEGETATION (Four Strata) – Use scientific names of plants.

	ames of	plants.		Sampling Point: DP-456
20 # "		Dominant		Dominance Test worksheet:
		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3		-		Species Across All Strata: 2 (B)
4		-		Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 50.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
500/ CL L		= Total Cov		OBL species $0 \times 1 = 0$
50% of total cover:	20% of	total cover:		FACW species $5 x 2 = 10$
Sapling/Shrub Stratum (Plot size: 15 ft r) 1. Liquidambar styraciflua	3		FAC	FAC species 13
•				FACU species 20
2				UPL species $0 \times 5 = 0$
3		-		Column Totals: 38 (A) 129 (B)
4		-		Column Totals. (A) 123 (B)
5				Prevalence Index = B/A = 3.39
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
450		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 1.50	20% of	total cover:	0.60	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	20		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Andropogon virginicus	20		FAC	
2. Dichanthelium clandestinum	10 5		FACW	¹ Indicators of hydric soil and wetland hydrology must
3. Juncus effusus	5		FACW	be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 17.50	20% of	total cover:	7.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
3				Hydrophytic
				Hydrophytic Vegetation
4				
4	:	= Total Cov	er	Vegetation

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth	Matrix		Redox	Features	3					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	s
0 - 18	7.5YR 4/6	100					Sandy Loam			
	-							-		
-										
	-									
								-		
-										
								-		
1							2			
		letion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P			
Hydric Soil I			B 16 6	(O.T.)						Hydric Soils ³ :
Histosol			Dark Surface	. ,	(00) (5)	U DA 44=			(A10) (MLR	
	oipedon (A2)		Polyvalue Bel				148) C		e Redox (A1	6)
Black His			Thin Dark Su			47, 148)		MLRA 1		Un (E40)
	n Sulfide (A4) I Layers (A5)		Loamy Gleye Depleted Mat		F2)		P		oodplain So	iis (F19)
	ck (A10) (LRR N)		Redox Dark S		6)		V	(MLRA 1:	w Dark Surfa	200 (TE12)
	Below Dark Surfac	e (A11)	Depleted Dark	•					ain in Remar	
	rk Surface (A12)	0 (/ (/ / /	Redox Depre				~	ranor (Expi		1.0)
	lucky Mineral (S1) (LRR N,	Iron-Mangane			LRR N.				
	147, 148)	,	MLRA 136		, ,	,				
	leyed Matrix (S4)		Umbric Surfac		MLRA 13	6, 122)	³ Ind	icators of h	ydrophytic v	egetation and
	edox (S5)		Piedmont Flo						ology must b	-
Stripped	Matrix (S6)		Red Parent M	aterial (F	21) (MLR	A 127, 147	7) un	less disturb	ped or proble	ematic.
Restrictive L	ayer (if observed)									
Type:			<u></u>							
Depth (inc	ches):						Hydric Soil	Present?	Yes	No 🖍
Remarks:	,						1 -			

Project/Site: Southeast Supply Enhancement Project Cit	ty/County: Pittsylvania County Sampling Date: 2025-02-24							
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-457							
Investigator(s):MS, AT Se								
Landform (hillslope, terrace, etc.): Swale Local	relief (concave, convex, none): Concave Slope (%): 1-2							
Subregion (LRR or MLRA): P 136 Lat: 36.75417088	Long:79.42311164 Datum: WGS 84							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 perce	ent slopes, severely eroded NWI classification: N/A							
Are climatic / hydrologic conditions on the site typical for this time of year?	? Yes No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly dis	sturbed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally proble	ematic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing s	campling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No Yes No No No No No No No No No N	Is the Sampled Area within a Wetland? Yes No							
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point.								
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Water Marks (B1) Presence of Redu	Sparsely Vegetated Concave Surface (B8) Odor (C1) Drainage Patterns (B10) heres on Living Roots (C3) Moss Trim Lines (B16) Liced Iron (C4) Dry-Season Water Table (C2) Liction in Tilled Soils (C6) Crayfish Burrows (C8) E (C7) Saturation Visible on Aerial Imagery (C9)							
Surface Water Present? Yes No Depth (inches):_								
Water Table Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches):_								
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, Remarks:	previous inspections), if available:							

Sampling	Point:	DP-457
Sambillu	r Oll II.	

204 -	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Diospyros virginiana	70		FAC	That Are OBL, FACW, or FAC: 3 (A)
2. Acer rubrum	15		FAC	Total Number of Dominant
3				Species Across All Strata: 5 (B)
4			·	Percent of Dominant Species
5			<u> </u>	That Are OBL, FACW, or FAC: 60.00 (A/B)
6				Providence Index weather of
7				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 42.50	20% of	total cover	17.00	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 0 $x = 0$
1				FAC species $\frac{124}{25}$ $\times 3 = \frac{372}{100}$
2				FACU species 25 x 4 = 100
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>149</u> (A) <u>472</u> (B)
5				Dravelanes Index - D/A - 316
6		·		Prevalence Index = B/A = 3.16
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9		-	· ——	✓ 2 - Dominance Test is >50%
<u>. </u>		= Total Cov	/er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)			·	data in Remarks or on a separate sheet)
1. Lonicera japonica	10	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Microstegium vimineum	10	~	FAC	
3. Carex sp.	3		·	¹ Indicators of hydric soil and wetland hydrology must
4. Dichanthelium clandestinum	2	-	FAC	be present, unless disturbed or problematic.
5 Smilax rotundifolia	2		FAC	Definitions of Four Vegetation Strata:
v				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9			- ——	than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11			·	Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 13.50	20% of	total cover	5.40	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1. Toxicodendron radicans	20		FAC	
2. Lonicera japonica	10		FACU	
3. Smilax rotundifolia	5		FAC	
4. Vitis labrusca	5	-	FACU	Hydrophytic
5.				Vegetation
	40	= Total Cov	/er	Present? Yes V No No
50% of total cover: 20.00	20% of	total cover	8.00	
Remarks: (Include photo numbers here or on a separate sl	neet.)			1

No sapling/shrub stratum was observed at this data point.

SOIL Sampling Point: DP-457

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature		3		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	<u>Remarks</u>
0 - 4	10YR 5/4	100					Silt Loam	
4 - 18	10YR 4/2	90	7.5YR 4/6	10	С	PL / M	Silty Clay Loam	
					· -			
								-
	-		-		<u> </u>			
					<u> </u>			
-								
					· -			
				-	· 			
	-							
					<u> </u>			
¹ Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I								ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (N	ILRA 147,	148) 0	Coast Prairie Redox (A16)
Black Hi			Thin Dark Su			47, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		F	Piedmont Floodplain Soils (F19)
	Layers (A5)		<u>✓</u> Depleted Ma				_	(MLRA 136, 147)
	ck (A10) (LRR N)	- (0.4.4)	Redox Dark					/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac ark Surface (A12)	e (ATT)	Depleted Dar					Other (Explain in Remarks)
	lucky Mineral (S1) (I	I RR N	Iron-Mangan			I RR N		
	147, 148)	LIXIX IX,	MLRA 13		(1 12) (LIXIX IV,		
	leyed Matrix (S4)		Umbric Surfa		(MLRA 13	6. 122)	³ Inc	licators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					etland hydrology must be present,
-	Matrix (S6)		Red Parent N					lless disturbed or problematic.
Restrictive I	ayer (if observed):	•						
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes V No
Remarks:							ı	

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-458
Investigator(s):MS, AT Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Flat Local relic	ef (concave, convex, none): Concave Slope (%): 2-3
Subregion (LRR or MLRA): P 136 Lat: 36.754258	Long:79.423208 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	slopes, severely eroded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problema	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No No No No No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e., wetland hyd soils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (I High Water Table (A2) Hydrogen Sulfide Odd Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C Algal Mat or Crust (B4) Other (Explain in Ren Iron Deposits (B5) Other (Explain in Ren Water-Stained Leaves (B9) Aquatic Fauna (B13) Field Observations: Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Sparsely Vegetated Concave Surface (B8) or (C1) Drainage Patterns (B10) es on Living Roots (C3) Moss Trim Lines (B16) I Iron (C4) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Dry-Season Water Table (C2) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre-	vious inspections), if available:
Remarks:	

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-458
Trace Chrotium (Districes 30 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r 1 Acer rubrum	% Cover 40	Species? ✓	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
2. Diospyros virginiana	15		FAC	That Are OBL, FACW, or FAC: 3 (A)
			170	Total Number of Dominant
3				Species Across All Strata: <u>3</u> (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
50% of total cover: 27.50		= Total Cove		OBL species 0 x 1 = 0
· · · · · · · · · · · · · · · · · · ·	20% 01	total cover.		FACW species 0 $x 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 70 $\times 3 = 210$
1				FACU species 2 x 4 = 8
2				UPL species 0 $x = 0$
3				Column Totals: 72 (A) 218 (B)
4				Column Totals (A) (B)
5				Prevalence Index = B/A = 3.02
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
500/ 51 1 1		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r 1. Microstegium vimineum	15	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
	10		1 70	
2. Carex sp 3. Polystichum acrostichoides	2		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Folystichum acrostichoides			1,400	be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11	07			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 13.50		= Total Cove		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	20% 01	iolai covei.	0.40	Woody vine - All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
50% of total cover:		= Total Cover:		· · · · · · · · · · · · · · · · · · ·
Remarks: (Include photo numbers here or on a separate sl		total cover.		
No sapling/shrub or woody vine strat	ŕ	observ	ed at	this data point.

SOIL

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	:S			
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 4	10YR 4/4	100					Silt Loam	
4 - 13	10YR 4/2	90	7.5YR 4/6	3	С	<u>M</u>	Sandy Loam	
4 - 13			10YR 6/1	2	D	M	Sandy Loam	Secondary redox color
13 - 18	10YR 4/2	85	7.5YR 4/6	10	С	PL / M	Sandy Clay Loam	
13 - 18			10YR 6/1	5	D	M	Sandy Clay Loam	Secondary redox color
					. <u> </u>			
					. <u> </u>			
					. <u> </u>			
		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (I	MLRA 147,		Coast Prairie Redox (A16)
Black Hi			Thin Dark Su				· —	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			, ,	Р	riedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		(. –)		·	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		=6)		1/	'ery Shallow Dark Surface (TF12)
	Below Dark Surface	ο (Λ11)	Depleted Dark	•	,			Other (Explain in Remarks)
	rk Surface (A12)	= (A11)	Redox Depre				_ ~	other (Explain in Kemarks)
		DD N				(LDD N		
	lucky Mineral (S1) (L	.KK N,	Iron-Mangan		ses (F12) (LKK N,		
	147, 148)		MLRA 13				3	
	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					etland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	∕laterial (F	21) (ML R	RA 127, 147	7) un	less disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								_
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City	/County: Pittsylvania County Sampling Date: 2025-02-24						
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-459						
Investigator(s):MS, AT Sec	tion, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local re							
Subregion (LRR or MLRA): P 136 Lat: 36.75407869 Long: -79.42308104 Datum: WGS 84							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percen							
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)						
Are Vegetation , Soil , or Hydrology significantly distr	urbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally probler							
	mpling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No No No No Remarks:	Is the Sampled Area within a Wetland? Yes No						
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point. HYDROLOGY	drology, hydrophytic vegetation, and hydric						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants							
High Water Table (A2) Hydrogen Sulfide O							
	eres on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduce							
Sediment Deposits (B2) Recent Iron Reduct							
Drift Deposits (B3) Thin Muck Surface	(C7) Saturation Visible on Aerial Imagery (C9)						
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)						
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:						
Remarks:							

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-459
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species $0 \times 1 = 0$
50% of total cover:	20% of	total cover:		FACW species 5 x 2 = 10
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 100 x 3 = 300
1				FACU species 2 x 4 = 8
2				UPL species 0 $x = 5$
3				Column Totals: 107 (A) 318 (B)
4				(2)
5				Prevalence Index = B/A = 2.97
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover:		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 /6 01	total cover.		data in Remarks or on a separate sheet)
1 Dichanthelium clandestinum	90	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Verbesina alternifolia	10		FAC	
3. Juncus effusus	5	-	FACW	¹ Indicators of hydric soil and wetland hydrology must
4. Lonicera japonica	2		FACU	be present, unless disturbed or problematic.
		-		Definitions of Four Vegetation Strata:
•				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
8				height.
9.				Sapling/Shrub – Woody plants, excluding vines, less
10				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11				
	107	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 53.50				
Woody Vine Stratum (Plot size: 30 ft r				Woody vine – All woody vines greater than 3.28 ft in height.
1				neight.
2				
3				
				Undrankutia
		= Total Cov		Present? Yes V No No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate sh	neet.)			
4 5	20% of	= Total Cov total cover:	 er	

SOIL

Depth	Matrix	%		lox Featur		1 2	Tauduma	Damanka
(inches)	Color (moist) 10YR 5/2		Color (moist)	<u>%</u> 5	Type ¹ C	Loc ²	Texture Silt Loam	Remarks
0 - 6	1018 5/2	_ 90	7.5YR 4/6					
0 - 6			10YR 6/1	5	_ <u>D</u>	<u>M</u>	Silt Loam	Secondary redox color
6 - 18	10YR 4/2	85	7.5YR 5/8	10	С	PL / M	Silty Clay Loam	
6 - 18			10YR 6/2	5	D	M	Silty Clay Loam	Secondary redox color
_								
			· -		_			-
				<u> </u>	_			
			· -	_				
-				_				
-								
vne: C=Cc	oncentration D=De	enletion RM	/ /I=Reduced Matrix, N	- AS=Maske	ed Sand G		² Location: P	L=Pore Lining, M=Matrix.
	Indicators:	spietion, raiv	i-Reduced Matrix, N	/IO-IVIASK	o Sana C	nanis.	Indica	ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surfac	na (S7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue B		iaco (S8)	MI DA 147		oast Prairie Redox (A16)
_ Histic Ep _ Black His			Polyvalue B				1+0) ((MLRA 147, 148)
				•	, .	147, 140)	Б	
	en Sulfide (A4)		Loamy Gley		(FZ)		<u> </u>	iedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted M		(5 0)			(MLRA 136, 147)
	ick (A10) (LRR N)	(0.4.4)	Redox Dark		. ,			ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ace (ATT)	Depleted Da				0	ther (Explain in Remarks)
	ark Surface (A12)	/I DD N	Redox Dep			(LDD N		
-	Mucky Mineral (S1)	(LKK N,	Iron-Manga		ses (F12)	(LKK N,		
	A 147, 148)		MLRA 1	•	AND DA	20 420)	31	inataun of burdunubutin un antation and
	Gleyed Matrix (S4)		Umbric Sur					icators of hydrophytic vegetation and
-	Redox (S5)		Piedmont F					tland hydrology must be present,
	Matrix (S6)	N.	Red Parent	iviateriai ((F21) (IVIL	RA 127, 147	r) un	less disturbed or problematic.
	Layer (if observed	1).						
Type:							Heatele Cell	Durania Var V
Type:							Hydric Soil	Present? Yes No
Type:							Hydric Soil	Present? Yes V No
Type:		<u></u>	<u> </u>				Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No
Type:		····					Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes <u>V</u> No
Type:							Hydric Soil	Present? Yes <u>V</u> No
Type:							Hydric Soil	Present? Yes <u>V</u> No
Type:							Hydric Soil	Present? Yes <u>V</u> No
Type:							Hydric Soil	Present? Yes <u>V</u> No
Type:							Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No No
Type:							Hydric Soil	Present? Yes V No No
Type:							Hydric Soil	Present? Yes V No
Type:							Hydric Soil	Present? Yes V No No
Type:							Hydric Soil	Present? Yes V No No
Type:							Hydric Soil	Present? Yes V No No
Type:							Hydric Soil	Present? Yes V No No
Type:							Hydric Soil	Present? Yes V No No
Type: Depth (inc							Hydric Soil	Present? Yes V No No

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania Sampling Date: 2025-02-24						
	State: Virginia Sampling Point: DP-460						
Investigator(s): KZ, MS Section, Township, Range:							
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope (%): 2							
Subregion (LRR or MLRA): P 136 Lat: 36.75399567							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent s	slopes, severely eroded NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problema	tic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	Is the Sampled Area within a Wetland? Yes No						
None of the three wetland parameters (i.e., wet hydric soils) were satisfied at this data point. HYDROLOGY	land hydrology, hydrophytic vegetation, or						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (E							
Surface Water (A1) High Water Table (A2) Hydrogen Sulfide Odd							
Saturation (A3) Oxidized Rhizosphere							
Water Marks (B1) Presence of Reduced							
Sediment Deposits (B2) Recent Iron Reduction							
Drift Deposits (B3) Thin Muck Surface (C							
Algal Mat or Crust (B4) Other (Explain in Rem							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:						
Remarks:							
No hydrology was observed at this data point.							

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-460
20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 50.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species 0 x 1 = 0
50% of total cover:	20% of	total cover:		FACW species 0 x 2 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)	_		E4011	05 405
1. Rhus copallinum	<u> </u>		FACU	4.0
2				
3				
4				Column Totals: <u>75</u> (A) <u>265</u> (B)
5				Prevalence Index = B/A = 3.53
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	5	= Total Cov	er	4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>2.50</u>	20% of	total cover:	1.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				
1. Verbesina alternifolia	20		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Andropogon virginicus	15		FACU	The disease of heads as it and continued heads to continue
3. Dichanthelium clandestinum	15		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Lespedeza cuneata	10		FACU	Definitions of Four Vegetation Strata:
_{5.} Rubus argutus	10	· <u> </u>	FACU	_
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10.			· ·	m) tall.
11.			· ·	Herb – All herbaceous (non-woody) plants, regardless
	70	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>35.00</u>	20% of	total cover:	14.00	We always a Allowed having a proston than 0.00 ft in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				g
2				
3				
4				Hydrophytic
5				Hydrophytic Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			L
Remarks: (Include photo numbers here or on a separate s	,	l at this	data p	ooint.

Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the i	ndicator	or confirm	the absence	of indicate	ors.)	
Depth	Matrix		Redox	(Features	3					
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	<u>Texture</u>		Remark	8
0 - 6	7.5YR 4/4	100					Loam			
										_
					-					
		- ——								
-										
	-									
			-							
										_
-										
		-								
								-		
	-						-			
	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P			
Hydric Soil I	ndicators:						Indica	ators for Pr	roblematic	Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A	A10) (MLRA	147)
Histic Ep	pipedon (A2)		Polyvalue Bel	ow Surfac	ce (S8) (N	ILRA 147,	148) C	oast Prairie	Redox (A1	6)
Black His	stic (A3)		Thin Dark Su	face (S9)	(MLRA 1	47, 148)		(MLRA 14	7, 148)	
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix (I	=2)		P	edmont Flo	oodplain Soi	ls (F19)
Stratified	l Layers (A5)		Depleted Mat	rix (F3)				(MLRA 13		
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	•	,			•	/ Dark Surfa	, ,
	l Below Dark Surfac	e (A11)	Depleted Dar				c	ther (Expla	in in Remarl	(s)
	rk Surface (A12)		Redox Depre							
	lucky Mineral (S1) (I	LRR N,	Iron-Mangane		es (F12) (LRR N,				
	147, 148)		MLRA 136				3.			
	leyed Matrix (S4)		Umbric Surfa							egetation and
	edox (S5)		Piedmont Flo					-	logy must b	
	Matrix (S6)		Red Parent M	laterial (F	21) (MLR	A 127, 147	<u>')</u> un	less disturb	ed or proble	matic.
	_ayer (if observed):									
Type: Ro										
Depth (inc	ches): 6+						Hydric Soil	Present?	Yes	No <u> </u>
Remarks:										

Ivania County Sampling Date: 2025-02-26
State: Virginia Sampling Point: DP-461
Range:
onvex, none): Concave Slope (%): 1
ong:79.40141593
ntly flooded NWI classification: N/A
(If no, explain in Remarks.)
e "Normal Circumstances" present? Yes No
needed, explain any answers in Remarks.)
locations, transects, important features, etc.
ed Area land? Yes <u>v</u> No
ydrophytic vegetation, and hydric
Secondary Indicators (minimum of two required)
Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (B8) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Netland Hydrology Present? Yes No
ns), if available:

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-461
20.5	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species _
1. Acer rubrum	30		FAC	That Are OBL, FACW, or FAC: 5 (A)
_{2.} Carya ovata	5		FACU	Total Number of Dominant
3				Species Across All Strata: 5 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: <u>17.50</u>	20% of	total cover:	7.00	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{15}{45}$ $\times 2 = \frac{30}{125}$
1. Lindera benzoin	5		FAC	FAC species $\frac{45}{7}$ $\times 3 = \frac{135}{20}$
2. Platanus occidentalis	5		FACW	FACU species $\frac{7}{2}$ $x = 4$
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>67</u> (A) <u>193</u> (B)
5				Prevalence Index = B/A = 2.88
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
	10	= Total Cov	er	✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover: <u>5.00</u>		total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	10	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Persicaria pensylvanica	10	~	FACW	4
3. Carex sp.	10	~		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Glechoma hederacea	1		FACU	Definitions of Four Vegetation Strata:
5. Lonicera japonica	1		FACU	Definitions of Four Vegetation Strata.
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8.				
9.				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				
· ·· <u> </u>		= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 16.00				
Woody Vine Stratum (Plot size: 30 ft r)		•		Woody vine – All woody vines greater than 3.28 ft in height.
1				neight.
2				
3				
4				
5				Hydrophytic Vegetation
· <u> </u>		= Total Cov		Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s				
·	•	_	_	
No woody vine stratum was observe	d at this	s data p	oint.	

SOIL Sampling Point: DP-461

Profile Desc	cription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirm	n the absence	of indicators.)			
Depth	Matrix		Redo	x Feature	s						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0 - 2	10YR 5/2	80	10YR 4/6	20	С	М	Silty Clay				
2 - 8	10YR 6/2	75	10YR 5/6	25	С	M	Clay				
8 - 12	10YR 6/1	70	7.5YR 6/8	10	С	М	Clay				
8 - 12			7.5YR 4/6	20	С	<u>M</u>	Clay	Secondary redox color			
					· <u></u>						
					· <u></u>						
					· <u></u>						
		oletion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.			
Hydric Soil			D 10 ((O.T)				ators for Problematic Hydric Soils ³ :			
Histosol			Dark Surface	. ,	(00) (#I DA 447		cm Muck (A10) (MLRA 147)			
	oipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)			
	stic (A3)		Thin Dark Su			147, 148)	Б	(MLRA 147, 148)			
	en Sulfide (A4)		Loamy Gleye		(F2)		<u> </u>	iedmont Floodplain Soils (F19)			
	d Layers (A5) uck (A10) (LRR N)		<u>✓</u> Depleted Ma		-6)		\ /	(MLRA 136, 147)			
	d Below Dark Surfac	o (A11)	Redox Dark : Depleted Dark :	•				ery Shallow Dark Surface (TF12) hther (Explain in Remarks)			
	ark Surface (A12)	C (ATT)					_ 0	The (Explain in Remarks)			
	lucky Mineral (S1) (I RR N		_ Redox Depressions (F8) _ Iron-Manganese Masses (F12) (LRR N ,							
-	A 147, 148)	LIXIX IV,	MLRA 13		(1 12)	LIXIX IV,					
	Gleyed Matrix (S4)			Umbric Surface (F13) (MLRA 136, 122) 3Indicators of hydrophytic vegetation and							
-	Redox (S5)		Piedmont Flo					tland hydrology must be present,			
	Matrix (S6)		Red Parent N								
	Layer (if observed)	:			, (1	production			
	.,										
	ches):						Hydric Soil	Present? Yes V No			
Remarks:	·										

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-26
	State: Virginia Sampling Point: DP-462
	tion, Township, Range:
Landform (hillslope, terrace, etc.): Terrace/floodplain Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.77128446	
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent	
Are climatic / hydrologic conditions on the site typical for this time of year?	
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally probler	
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No Yes No	Is the Sampled Area within a Wetland? Yes No
Remarks:	
Only two (i.e., wetland hydrology and hydroph parameters were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide O	
	eres on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduct	
Sediment Deposits (B2) Recent Iron Reduct This Musik Surface.	
Drift Deposits (B3) Thin Muck Surface Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, principle (includes capillary fringe)	revious inspections), if available:
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

			Sampling Point: DP-462
Absolute	Dominant	Indicator	Dominance Test worksheet:
	Species?	Status	Number of Dominant Species
35		FAC	That Are OBL, FACW, or FAC: 3 (A)
			Total Number of Dominant
			Species Across All Strata: 5 (B)
			Percent of Dominant Species That Are OBL FACW or FAC: 60.00 (A/B)
			That Are OBL, FACW, or FAC: 60.00 (A/B)
			Prevalence Index worksheet:
25			Total % Cover of: Multiply by:
			OBL species 0 $x 1 = 0$
_ 20% of	total cover:	7.00	FACW species 0 x 2 = 0
40			77.0 W Species X Z
		FAC	FACT species $\frac{70}{15}$ $x_3 = \frac{210}{15}$ $x_4 = 60$
			1 A00 species x +
			UPL species $0 \times 5 = 0$
			Column Totals: <u>85</u> (A) <u>270</u> (B)
			December 2 17
			Prevalence Index = B/A = 3.17
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			✓ 2 - Dominance Test is >50%
10			3 - Prevalence Index is ≤3.0 ¹
			4 - Morphological Adaptations ¹ (Provide supporting
20% of	total cover:	2.00	data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation ¹ (Explain)
			1 Toblematic Trydrophytic Vegetation (Explain)
10		FACU	The disease of budgies of level western budgets and budgets
			¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Definitions of Four Vegetation Strata.
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
			more in diameter at breast height (DBH), regardless of
			height.
	-		Sapling/Shrub – Woody plants, excluding vines, less
			than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Herb – All herbaceous (non-woody) plants, regardless
			of size, and woody plants less than 3.28 ft tall.
20% of	total cover:	7.00	
			Woody vine - All woody vines greater than 3.28 ft in
			Woody vine – All woody vines greater than 3.28 ft in height.
5	<u> </u>	F <u>ACU</u>	, ,
		F <u>ACU</u>	
	<u> </u>	FACU	, ,
	<u></u>	FACU	, ,
	<u>'</u>	FACU_	height. Hydrophytic
			height. Hydrophytic Vegetation
5 :	= Total Cov	 er	height. Hydrophytic
	35 20% of 10 20% of 25 10	35	35

Profile Desc	ription: (Describe	to the de	pth needed to docur	ment the	indicator	or confirm	n the absence of	f indicators.)		
Depth	Matrix		Redo	x Feature	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks		
0 - 2	10YR 4/3	90	10YR 6/3	10	С	M	Silty Clay			
2 - 12	10YR 5/4	90	10YR 6/8	10	С	<u>M</u>	Clay			
12 - 16	10YR 5/3	80	10YR 4/6	20	С	М	Clay			
-										
-										
		_			_					
	-									
					-					
1 _T C-C		alatian DN	4-Dadwaad Matrix M		- Cand C		21 anations DI	-Dava Lining M-Matrix		
Hydric Soil I		pietion, Riv	1=Reduced Matrix, M	S=Maske	a Sana Gi	rains.		Pore Lining, M=Matrix. ors for Problematic Hydric Soils ³ :		
Histosol			Dark Surface	(97)				m Muck (A10) (MLRA 147)		
	oipedon (A2)		Polyvalue Be		aca (SR) (I	MI DA 147		ast Prairie Redox (A16)		
Black Hi			Thin Dark Su					MLRA 147, 148)		
	n Sulfide (A4)					147, 140)				
	, ,		Loamy Gleye		(FZ)			dmont Floodplain Soils (F19)		
	Layers (A5)		Depleted Ma		Ε0\		•	MLRA 136, 147)		
	ick (A10) (LRR N)	- (444)	Redox Dark	,	,			ry Shallow Dark Surface (TF12)		
	d Below Dark Surfac	æ (ATT)	Depleted Da				Oth	er (Explain in Remarks)		
	ark Surface (A12)	LDDA	Redox Depre			// DD N				
	fucky Mineral (S1) (LKK N,	Iron-Mangan		ses (F12)	(LKK N,				
	\ 147, 148)		MLRA 136) Umbric Surface (F13) (MLRA 136, 122) 3Indicators of hydrophytic vegetation and							
	Sleyed Matrix (S4)									
	ledox (S5)							and hydrology must be present,		
	Matrix (S6)		Red Parent I	Material (F21) (MLF	RA 127, 14	7) unles	ss disturbed or problematic.		
Restrictive I	_ayer (if observed)	:								
Type:										
	ches):						Hydric Soil P	resent? Yes No		
Remarks:										

Project/Site: Southeast Supply E	nhancement F	Project City/Co	ounty: Pittsylvania C	ounty s	Sampling Date: 2025-02-24	
Applicant/Owner: Transcontinental					Sampling Point: DP-463	
Investigator(s):KH, LS		Sectio	n, Township, Range:			
Landform (hillslope, terrace, etc.): Floo						
Subregion (LRR or MLRA): P 136						
Soil Map Unit Name: 8A - Codorus-0						
Are climatic / hydrologic conditions on t	he site typical for f	this time of year? Ye	es No	(If no, explain in Rer	marks.)	
Are Vegetation, Soil, or	Hydrology	_ significantly disturb	ped? Are "Normal	Circumstances" pre	esent? Yes V No No	
Are Vegetation, Soil, or						
SUMMARY OF FINDINGS – A						
Hydrophytic Vegetation Present?	Yes ✔	No				
Hydric Soil Present?	Yes 🗸	No —	Is the Sampled Area	Yes 🗸	No	
Wetland Hydrology Present?	Yes 🗸	No —	within a Wetland?	——————————————————————————————————————		
Remarks:						
soils) were satisfied at	:his data po	oint.				
HYDROLOGY						
Wetland Hydrology Indicators:					ors (minimum of two required)	
Primary Indicators (minimum of one is				✓ Surface Soil Cracks (B6)		
Surface Water (A1)	314)	Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)		lydrogen Sulfide Odd		✓ Drainage Patterns (B10)		
Saturation (A3)			es on Living Roots (C3)	Moss Trim Lines (B16) Dry-Season Water Table (C2)		
Water Marks (B1) ✓ Sediment Deposits (B2)		resence of Reduced ecent Iron Reduction				
✓ Drift Deposits (B3)		hin Muck Surface (C		Crayfish Burro	ble on Aerial Imagery (C9)	
Algal Mat or Crust (B4)		other (Explain in Rem			essed Plants (D1)	
Iron Deposits (B5)	 -	(L/C)	idino,	Geomorphic Po		
Inundation Visible on Aerial Imag	ery (B7)			Shallow Aquita	, ,	
Water-Stained Leaves (B9)				Microtopograp		
Aquatic Fauna (B13)				FAC-Neutral T	est (D5)	
Field Observations:						
	No 🖊 🏻					
-	No [<u>.</u>	
Saturation Present? Yes _ (includes capillary fringe)	No [Depth (inches): 0	Wetland H	lydrology Present?	? Yes / No	
Describe Recorded Data (stream gau	ge, monitoring we	II, aerial photos, prev	vious inspections), if ava	ilable:		
Remarks:						

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-463
00.6	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Acer rubrum	30		FAC	That Are OBL, FACW, or FAC: 5 (A)
2. Platanus occidentalis	15		FACW	Total Number of Dominant
3		·		Species Across All Strata: 5 (B)
4		·		Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				Decoder as Index weather set.
7				Prevalence Index worksheet:
		= Total Cov		
50% of total cover: 22.50	20% of	total cover:	9.00	CBE species X 1
Sapling/Shrub Stratum (Plot size: 15 ft r)	_			FACW species 25 x 2 = 50 FAC species 35 x 3 = 105
1. Acer rubrum	5		FAC	TAC species X 3 -
2				FACU species $\frac{0}{0}$ $x = 4$
3				UPL species $0 \times 5 = 0$
4				Column Totals: 60 (A) 155 (B)
5				Prevalence Index = B/A = 2.58
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9.				✓ 2 - Dominance Test is >50%
·	5	= Total Cov	er	✓ 3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 2.50				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Cinna arundinacea	5	✓	FACW	Problematic Hydrophytic Vegetation¹ (Explain)
2 Symphyotrichum lateriflorum	5	~	FACW	
3				¹ Indicators of hydric soil and wetland hydrology must
4				be present, unless disturbed or problematic.
5				Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of
				height.
				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10		· <u></u>		iii) taii.
11	10	· 		Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 5.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
	20% 01	total cover.	2.00	Woody vine - All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2		· <u></u>		
3				
4				Hydrophytic
5				Vegetation
		= Total Cov		Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s No woody vine stratum was observed		s data p	ooint.	

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to docun	nent the	indicator	or confirm	the absence	of indicators.)		
Depth	Matrix		Redox	x Feature	S					
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks		
0 - 6	10YR 5/3	100					Clay Loam	mica content		
6 - 18	10YR 4/2	85	7.5YR 4/6	15	С	PL / M	Clay Loam			
	10111111		7.0.1		<u> </u>			-		
-										
		-								
							·			
1Type: C=Ce	noontration D=Don	lotion DM	1-Doduced Matrix MS	-Maaka		roine	² Location: D	L = Doro Lining M=Motrix		
Hydric Soil I		letion, Riv	1=Reduced Matrix, MS	s=iviasked	Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :		
-			D	(07)				•		
Histosol			Dark Surface		(00) (cm Muck (A10) (MLRA 147)		
	ipedon (A2)		Polyvalue Be				148) C	Coast Prairie Redox (A16)		
Black His			Thin Dark Su			147, 148)		(MLRA 147, 148)		
Hydroge	n Sulfide (A4)		Loamy Gleye		(F2)		P	riedmont Floodplain Soils (F19)		
Stratified	Layers (A5)		Depleted Mat	rix (F3)				(MLRA 136, 147)		
2 cm Mu	ck (A10) (LRR N)		Redox Dark S	Redox Dark Surface (F6) Very Shallow Dark Surface (TF12)						
Depleted	Below Dark Surfac	e (A11)	<u> </u>							
Thick Da	rk Surface (A12)		Redox Depre	ssions (F	8)					
	lucky Mineral (S1) (I	RR N.	Iron-Mangane			LRR N.				
	147, 148)	,	MLRA 130		() ,	,				
	leyed Matrix (S4)		Umbric Surfa		(MIRA 13	36 122)	3Ind	icators of hydrophytic vegetation and		
-	edox (S5)		Piedmont Flo					etland hydrology must be present,		
-										
	Matrix (S6)		Red Parent N	iateriai (F	ZI) (IVILK	A 127, 147) un	less disturbed or problematic.		
	.ayer (if observed):	i								
Type:								.,		
	ches):						Hydric Soil	Present? Yes No		
Remarks:										

Project/Site: Southeast Supply Enhancement Project City/Co	unty: Pittsylvania Sampling Date: 2025-02-24
	State: Virginia Sampling Point: DP-464
	n, Township, Range:
Landform (hillslope, terrace, etc.): Hillslope Local relie	
	Long: -79.40041593 Datum: WGS 84
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent slo	
Are climatic / hydrologic conditions on the site typical for this time of year? Ye	
Are Vegetation, Soil, or Hydrology significantly disturbed	
Are Vegetation, Soil, or Hydrology naturally problemati	c? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing samp	oling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	to the Osmooth distance
Hydrig Spil Propert?	Is the Sampled Area within a Wetland? Yes No ✓
Wetland Hydrology Present? Yes No 🗸	within a Wetland:
Remarks:	
Only one (i.e., hydrophytic vegetation) of the th	ree wetland narameters was satisfied at this
	ree wettand parameters was satisfied at tills
data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B	
Surface Water (A1) High Water Table (A2) Hydrogen Sulfide Odor	
Saturation (A3) Oxidized Rhizospheres	
Water Marks (B1) Presence of Reduced I	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (C7	
Algal Mat or Crust (B4) Other (Explain in Rema	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previ	ous inspections), if available:
	, ,
Remarks:	
No hydrology was observed at this data point.	
, , , , , , , , , , , , , , , , , , ,	

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EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-464
Tree Stratum (Plot size: 30 ft r)	Absolute	Dominant Species?		Dominance Test worksheet:
1. Acer rubrum	15	Species:	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
2. Quercus alba	15	·	FACU	That Are OBE, I AGW, OF I AG.
3. Carpinus caroliniana	10		FAC	Total Number of Dominant Species Across All Strata: 5 (B)
4. Betula nigra	4	· <u> </u>	FACW	Species Across All Strata: <u>5</u> (B)
5	-	·		Percent of Dominant Species
•				That Are OBL, FACW, or FAC: 60.00 (A/B)
				Prevalence Index worksheet:
7	44	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 22.00				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species <u>4</u> x 2 = <u>8</u>
1. Quercus alba	5	~	FACU	FAC species 30 x 3 = 90
2.				FACU species 20 x 4 = 80
3				UPL species 0 x 5 = 0
4				Column Totals: <u>54</u> (A) <u>178</u> (B)
5				
6				Prevalence Index = B/A = 3.29
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
·	5	= Total Cov	er	3 - Prevalence Index is ≤3.0¹
50% of total cover: 2.50				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Acer rubrum	5		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2				1
3				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Deminions of Four Vegetation Strata.
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Carling (Charle Westernlands southeding a discount
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	5	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>2.50</u>	20% of	total cover:	1.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	er	Present? Yes No No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No woody vine stratum was observed	d at thi	c data r	oint	
No woody vine stratum was observe	u at till	s uata þ	JUIIIL.	

Profile Desc	ription: (Describe	to the dept	h needed to docum	ent the ir	ndicator	or confirm	the absence	of indicat	ors.)		
Depth	Matrix		Redox	(Features	3						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	(S	
0 - 18	7.5YR 3/4	100					Sandy Clay Loam				
	-										
	-							-			
-											
-	-										
-											
	-										
1				 .			2				
		letion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ains.	² Location: P				
Hydric Soil I										Hydric Soils ³ :	
Histosol			Dark Surface		- (00) (5)				(A10) (MLR		
	pipedon (A2)		Polyvalue Bel				148) (e Redox (A1	6)	
Black His			Thin Dark Su			47, 148)	-	MLRA 1		ilo (F10)	
	n Sulfide (A4)		Loamy Gleye		-2)		<u> </u>		loodplain So	IIS (F19)	
	l Layers (A5) ick (A10) (LRR N)		Depleted Mat Redox Dark S		6)			(MLRA 1:	w Dark Surfa	200 (TE12)	
	Below Dark Surfac	e (A11)	Depleted Dar	•	•				ain in Remar		
	ark Surface (A12)	0 (/ (/ / /	Redox Depre					zuioi (Expi	2111 III I (OIIIGI	NO)	
	lucky Mineral (S1) (LRR N,	Iron-Mangane			LRR N.					
	147, 148)	,	MLRA 136		, ,	,					
	leyed Matrix (S4)		Umbric Surfa	•	MLRA 13	6, 122)	³ Ind	licators of h	nydrophytic v	egetation and	
	edox (S5)		Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be present,								
Stripped	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic.								
Restrictive L	ayer (if observed)										
Type:											
Depth (inc	ches):						Hydric Soil	Present?	Yes	No 🗸	
Remarks:							1 -				

Project/Site: Southeast Su	pply Enhancen	nent Project City/C	ounty: Pittsylvania C	ounty s	Sampling Date: 2025-02-24		
Applicant/Owner: Transcont					Sampling Point: DP-465		
Investigator(s):KH, LS		Section	on, Township, Range:				
Landform (hillslope, terrace, et							
Subregion (LRR or MLRA): P							
Soil Map Unit Name: 8A - Co							
Are climatic / hydrologic condit							
					esent? Yes No		
Are Vegetation, Soil							
					important features, etc.		
		✓ No					
Hydrophytic Vegetation Prese Hydric Soil Present?	ent? Yes		Is the Sampled Area				
Wetland Hydrology Present?	-	No No	within a Wetland?	Yes _	No		
Remarks:							
All three wetland p soils) were satisfie							
HYDROLOGY							
Wetland Hydrology Indicate					ors (minimum of two required)		
Primary Indicators (minimum	of one is required;			Surface Soil Cracks (B6)			
Surface Water (A1)		True Aquatic Plants (Sparsely Vegetated Concave Surface (B8) ✓ Drainage Patterns (B10)			
High Water Table (A2)		Hydrogen Sulfide Odd					
Saturation (A3)		Oxidized Rhizosphere	=	Moss Trim Line	ater Table (C2)		
Water Marks (B1) ✓ Sediment Deposits (B2)		Presence of Reduced Recent Iron Reduction		Crayfish Burro			
✓ Drift Deposits (B3)		Thin Muck Surface (C			ble on Aerial Imagery (C9)		
Algal Mat or Crust (B4)		Other (Explain in Ren			essed Plants (D1)		
Iron Deposits (B5)				Geomorphic Pe			
Inundation Visible on Ae	rial Imagery (B7)			Shallow Aquita			
Water-Stained Leaves (E				Microtopographic Relief (D4)			
Aquatic Fauna (B13)				FAC-Neutral T	est (D5)		
Field Observations:		_					
Surface Water Present?		Depth (inches): 2					
Water Table Present?		Depth (inches): 1			,		
Saturation Present? (includes capillary fringe)	Yes No _	Depth (inches): 0	Wetland H	lydrology Present?	? Yes / No		
Describe Recorded Data (stre	eam gauge, monitor	ring well, aerial photos, pre	vious inspections), if ava	ilable:			
Remarks:							

	plants.		Sampling Point: DP-465
Absolute	Dominant		Dominance Test worksheet:
	Species?		Number of Dominant Species
			That Are OBL, FACW, or FAC: 3 (A)
30		170	Total Number of Dominant
			Species Across All Strata: 3 (B)
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 100.00 (A/B)
			Prevalence Index worksheet:
80	T-4-1 O		Total % Cover of: Multiply by:
			OBL species 0 x 1 = 0
_ 2070 01	total cover.		FACW species $0 x 2 = 0$
20	~	FAC	FAC species 100 x 3 = 300
			FACU species $0 x4 = 0$
			UPL species $0 x 5 = 0$
			Column Totals: 100 (A) 300 (B)
			Prevalence Index = B/A = 3.00
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			✓ 2 - Dominance Test is >50%
20	= Total Cov		✓ 3 - Prevalence Index is ≤3.0¹
			4 - Morphological Adaptations ¹ (Provide supporting
			data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
			more in diameter at breast height (DBH), regardless of height.
			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Heat All bearings on the second of the secon
		er	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
			Woody vine – All woody vines greater than 3.28 ft in height.
			noight.
			Thirdness house a
			Hydrophytic Vegetation
	= Total Cove	er	Present? Yes V No No
20% of	total cover:		
_ 20 /0 01	lulai cuvei.		
	20 20% of 20 20% of 20% of 20% of 20% of 20% of	80 = Total Cover_ 20% of total cover:_ 20	30

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 3	10YR 4/3	100					Clay Loam	
3 - 14	10YR 5/2	85	7.5YR 5/8	15	С	PL / M	Silty Clay	
14 - 18	7.5YR 4/4	60			. <u> </u>		Sandy Clay	
14 - 18	10YR 5/3	40					Sandy Clay	Secondary matrix color
					. <u> </u>			
		_						
		oletion, RN	1=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface					cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be				148) C	coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	ırface (S9) (MLRA	147, 148)		(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix	(F2)		P	riedmont Floodplain Soils (F19)
Stratified	Layers (A5)		✓ Depleted Ma	trix (F3)				(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		- 6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar					Other (Explain in Remarks)
	rk Surface (A12)	,	Redox Depre					, ,
	lucky Mineral (S1) (I RR N.	Iron-Mangan			I RR N		
	147, 148)		MLRA 13		700 (1 12) (
			Umbric Surfa		/MI D A 44	DE 122\	3Ind	icators of hydrophytic vegetation and
	leyed Matrix (S4)							
	edox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	-21) (ML R	A 127, 147	7) un	less disturbed or problematic.
Restrictive L	ayer (if observed)	:						
Type:								v v
	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/County: Project/Site:	ittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-466
Investigator(s):KH, LS Section, Towns	hip, Range:
Landform (hillslope, terrace, etc.): Swale Local relief (concar	ve, convex, none): Concave Slope (%): 3
Subregion (LRR or MLRA): P 136 Lat: 36.79233718	Long:79.38161376 Datum: WGS 84
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent slopes, s	severely eroded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?	Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problematic?	(If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sampling p	oint locations, transects, important features, etc.
Ludrio Coil Drocont2 IES V NO I	ampled Area Wetland? Yes No
All three wetland parameters (i.e., wetland hydrology soils) were satisfied at this data point.	, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (B14) High Water Table (A2) Hydrogen Sulfide Odor (C1) Saturation (A3) Oxidized Rhizospheres on Livir Water Marks (B1) Presence of Reduced Iron (C4) Sediment Deposits (B2) Recent Iron Reduction in Tilled Drift Deposits (B3) Thin Muck Surface (C7) Algal Mat or Crust (B4) Other (Explain in Remarks) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13)	Sparsely Vegetated Concave Surface (B8) Prainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes <u>✓</u> No Depth (inches): 1	
Saturation Present? Yes No Depth (inches): 0	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspection of the provided recorded Data (stream gauge, monitoring well, aerial photos, previous inspection) Remarks:	pections), if available:

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-466
		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 2 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 100.00 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species $\frac{3}{30}$ $\times 1 = \frac{3}{40}$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{20}{30}$ $\times 2 = \frac{40}{90}$
1		·		FAC species $\frac{30}{22}$ $\times 3 = \frac{90}{22}$
2				FACU species 23 x 4 = 92
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>76</u> (A) <u>225</u> (B)
5				Prevalence Index = B/A = 2.96
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				✓ 3 - Prevalence Index is ≤3.0 ¹
		= Total Cov	er	
50% of total cover:	20% of	total cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	30		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Juncus effusus	20		FACW	1
3. Rosa multiflora	10		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Solidago altissima	10	· <u></u>	FACU	Definitions of Four Vegetation Strata:
5. Carex Iurida	3	· <u></u>	OBL	
6. Lonicera japonica	3	· <u></u>	FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7			FACW	height.
8				
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	76	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>38.00</u>	20% of	total cover:	15.20	Weeds wine All woods wines greater than 2.20 ft in
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1	· <u> </u>	· <u></u>		
2				
3				
4				Lhadronbytic
5				Hydrophytic Vegetation
		= Total Cov		Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s	heet.)			
50% of total cover: Remarks: (Include photo numbers here or on a separate s No tree, sapling/shrub, or woody vine	20% of sheet.)	total cover:		ed at this data point.

SOIL

Profile Desc	ription: (Describe	to the de	oth needed to docum	nent the	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 7	2.5YR 4/6	60					Sandy Clay Loam	
0 - 7	7.5YR 5/3	40					Sandy Clay Loam	Secondary matrix color
7 - 10	5YR 4/6	100			· ·		Sandy Clay Loam	High mica content
10 - 18	7.5YR 5/2	95	5YR 5/6	5	С	M	Clay Loam	
					· ·			
		letion, RM	I=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	oipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (I	VILRA 147	, 148) C	Coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	rface (S9) (MLRA	147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye				Р	riedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Mat		` '			(MLRA 136, 147)
	ick (A10) (LRR N)		Redox Dark S		F6)		V	'ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar	•	•			Other (Explain in Remarks)
	ark Surface (A12)	(,	Redox Depre				_	(=- ф)
	lucky Mineral (S1) (I RR N	Iron-Mangan			I RR N		
	147, 148)		MLRA 13)CO (1 12) (
	Gleyed Matrix (S4)		Umbric Surfa		/MI D A 11	26 122\	3Ind	icators of hydrophytic vegetation and
	ledox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6) _ayer (if observed)	_	Red Parent N	nateriai (r	-21) (IVILR	A 127, 14	<i>r</i>) un	less disturbed or problematic.
Type:	_ayer (ii observed)	=						
Depth (inc	ches):						Hydric Soil	Present? Yes V No
Remarks:	,							
remarks.								

Project/Site: Southeast Supply Enhancement Project City/0	County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-467
Investigator(s):KH, LS Sect	ion, Township, Range:
Landform (hillslope, terrace, etc.): Toeslope Local re	lief (concave, convex, none): Concave Slope (%): 3-4
Subregion (LRR or MLRA): P 136 Lat: 36.79246312	
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	t slopes, severely eroded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year? `	Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes No No No No	Is the Sampled Area within a Wetland? Yes No
Remarks:	
All three wetland parameters (i.e., wetland hydrolls) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
<u>✓</u> High Water Table (A2) Hydrogen Sulfide Oc	
✓ Saturation (A3) Oxidized Rhizosphe	
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)
Field Observations:	1710 Hould 1001 (50)
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes V No Depth (inches): 4	
Saturation Present? Yes V No Depth (inches): 0	Wetland Hydrology Present? Yes No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	evious inspections), if available:
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-467
20.5		Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 3 (B)
4				Dersont of Dominant Charles
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
6				
7				Prevalence Index worksheet:
		= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:		OBL species 20 x 1 = 20
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species 15 $\times 2 = 30$
1				FAC species <u>0</u> x 3 = <u>0</u>
2				FACU species <u>53</u>
3				UPL species <u>0</u>
4				Column Totals: <u>88</u> (A) <u>262</u> (B)
5				
6				Prevalence Index = B/A = 2.97
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9		- Total Cov		✓ 3 - Prevalence Index is ≤3.0¹
50% of total cover:		= Total Cover:		4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	2070 01	total cover.		data in Remarks or on a separate sheet)
1. Carex lurida	20	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Lonicera japonica	20		FACU	
3. Solidago altissima	20		FACU	¹ Indicators of hydric soil and wetland hydrology must
4. Juncus effusus	15		FACW	be present, unless disturbed or problematic.
5 Rosa multiflora	8		FACU	Definitions of Four Vegetation Strata:
<u> </u>	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6. Lamium purpureum			1 700	more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>44.00</u>	20% of	total cover:	17.60	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
	:	= Total Cov	er	Present? Yes V No No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree, sapling/shrub, or woody vine	strata	were o	bserv	ed at this data point.

SOIL Sampling Point: DP-467

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 11	10YR 3/1	100					Sandy Loam	High organic content
11 - 18	10YR 4/1	90	10YR 5/6	10	С	М	Sandy Clay Loam	
	· · · · · · · · · · · · · · · · · · ·				-	-		
		-				-		
_								
					-		-	
			_					
1Type: C=Cc	ncentration D=Deni	etion RM	=Reduced Matrix, MS	S=Masker	I Sand Gr	aine	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I		Cuon, ixivi	-reduced Matrix, Mc	J-IVIASKEC	Janu On	aii i 5.		ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(\$7)				cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be		ce (S8) (N	II RA 147		Coast Prairie Redox (A16)
Black His			Thin Dark Su				((MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			,,	F	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma		,			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		- 6)		\	/ery Shallow Dark Surface (TF12)
	Below Dark Surface	e (A11)	Depleted Dar					Other (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Depre	essions (F	8)			
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan		es (F12) (LRR N,		
	\ 147, 148)		MLRA 13				•	
-	leyed Matrix (S4)		Umbric Surfa					licators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7) un	lless disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:								,
Depth (inc	ches):		<u></u>				Hydric Soil	Present? Yes 🗸 No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-24				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC					
Investigator(s):KH, LS Sec	tion, Township, Range:				
Landform (hillslope, terrace, etc.): Toeslope Local re	elief (concave, convex, none): Concave Slope (%): 4-5				
Subregion (LRR or MLRA): P 136 Lat: 36.79251874					
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percen					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrology significantly distu	urbed? Are "Normal Circumstances" present? Yes No				
Are Vegetation, Soil, or Hydrology naturally probler	natic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes V No					
Hydric Soil Present? Yes V No	Is the Sampled Area within a Wetland? Yes No				
Wetland Hydrology Present? Yes ✓ No	within a wetiand?				
Remarks:					
soils) were satisfied at this data point. HYDROLOGY					
	Secondary Indicators (minimum of two required)				
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plants ✓ High Water Table (A2) Hydrogen Sulfide O					
	eres on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Presence of Reduce					
Sediment Deposits (B2) Recent Iron Reduct					
Drift Deposits (B3) Thin Muck Surface					
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)				
Iron Deposits (B5)	Geomorphic Position (D2)				
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)				
Water-Stained Leaves (B9)	Microtopographic Relief (D4)				
Aquatic Fauna (B13)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No Depth (inches): Water Table Present? Yes No Depth (inches): 0					
	Westernal Unidendamic Presental Versil V				
Saturation Present? Yes No Depth (inches):_0 (includes capillary fringe)	Wetland Hydrology Present? Yes No				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, processes and processes are processes as a second processes are processed as a second processes are processes as a second processes are processed as a second processes are processes are processes as a second processes are processes as a second proc	revious inspections), if available:				
Remarks:					

VEGETATION (Four Strata) - Use scientific names of plants.

Tree Stratum (Plot size: 30 ft r)

3. Fraxinus pennsylvanica

4. Platanus occidentalis

Sapling/Shrub Stratum (Plot size: 15 ft r)

Herb Stratum (Plot size: 5 ft r)

2 Smilax rotundifolia

Woody Vine Stratum (Plot size: 30 ft r)

3. Hedera helix 2

1. Lonicera japonica

6._____

1. Quercus phellos_____

1 Platanus occidentalis

2. Acer rubrum

2. Acer rubrum

n) – Use scientific na				Sampling Point: DP-468	_
\		Dominant Species?		Dominance Test worksheet:	
)	35	Species?	FAC	Number of Dominant Species	
			. ——	That Are OBL, FACW, or FAC: 4	A)
	20		FAC	Total Number of Dominant	
	10		FACW	_	B)
	10		FACW	`	-,
				Percent of Dominant Species That Are OBL, FACW, or FAC: 80.00	A/B)
				Prevalence Index worksheet:	
	75 =	= Total Cov		Total % Cover of: Multiply by:	
50% of total cover: 37.50		total Cover:		OBL species 0 x 1 = 0	
	20% 011	iotal covei.	10.00	FACW species 60 x 2 = 120	
e: 15 ft r)				, 	
	40		FACW		
	5		FAC	FACU species 12 x 4 = 48	
				UPL species 0 x 5 = 0	
				107 262	(B)
				Prevalence Index = B/A = 2.64	
				Hydrophytic Vegetation Indicators:	
	-			1 - Rapid Test for Hydrophytic Vegetation	
				✓ 2 - Dominance Test is >50%	
			_		
=	45 =	= Total Cov	·or	<u>✓</u> 3 - Prevalence Index is ≤3.0 ¹	
50% of total cover: 22.50		total cover:		4 - Morphological Adaptations ¹ (Provide suppor	rtinç
50% UI lulai cuvei. <u></u>	20 /0 01 0	Oldi Covci.		data in Remarks or on a separate sheet)	
)	10	,	- 4 OLI	Problematic Hydrophytic Vegetation ¹ (Explain)	
	10		FACU	i lobiolitatio rigatoprigato i agriculta (, , , ,	
	5		FAC	4	
	2		FACU	¹ Indicators of hydric soil and wetland hydrology mus	st
				be present, unless disturbed or problematic.	
				Definitions of Four Vegetation Strata:	
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm	رر مر
				more in diameter at breast height (DBH), regardless height.	
				Sapling/Shrub – Woody plants, excluding vines, le	
				than 3 in. DBH and greater than or equal to 3.28 ft (m) tall.	(1
				m) tan.	
				Herb – All herbaceous (non-woody) plants, regardle	ess
		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 8.50	20% of	total cover:	3.40	All was division are stor than 2.20 ft	
30 ft r	_			Woody vine – All woody vines greater than 3.28 ft height.	in
			. ——		
				Hydrophytic	
				Vegetation Present? Yes ✓ No	
	=	= Total Cov	/er	Present? Yes V No No	

Remarks: (Include photo numbers here or on a separate sheet.)

No woody vine stratum was observed at this data point.

	cription: (Describ	e to the de	epth needed to docu	ment the	indicato	or confir	m the absence	of indicators.)
pth	Matrix		-	ox Feature				,
ches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 8	7.5YR 5/2	95	7.5YR 5/8	5	С	М	Sandy Loam	
8 - 18	10YR 5/2	90	7.5YR 5/6	10	С	M	Loamy Sand	
	-		-				· ·	
							·	
-				· <u> </u>				
-								
			_			_		
	-						• •	
-					_			
ne: C=C	oncentration D=D	enletion RI	M=Reduced Matrix, M	IS=Maske	d Sand G	rains	² Location: PI	=Pore Lining, M=Matrix.
	Indicators:	<u>opiodori, ra</u>	Troduced Matrix, IV	io maone	u cunu c	raino.		tors for Problematic Hydric Soils ³ :
Histosol			Dark Surfac	e (S7)				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue B		ace (S8) (MLRA 147		past Prairie Redox (A16)
	istic (A3)		Thin Dark S				, ,	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley			, -,	Pi	edmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma		` ,			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark	Surface (F6)		Ve	ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ace (A11)	Depleted Da				0	ther (Explain in Remarks)
	ark Surface (A12)		Redox Depr					
	Mucky Mineral (S1)	(LRR N,	Iron-Mangar		ses (F12)	(LRR N,		
	A 147, 148)		MLRA 13				3	
	Gleyed Matrix (S4)		Umbric Surf					cators of hydrophytic vegetation and
	Redox (S5)		Piedmont FI					tland hydrology must be present,
	Matrix (S6)	۸۱.	Red Parent	iviateriai (F21) (IVIL	KA 127, 14	rr) uni	ess disturbed or problematic.
		u).						
	Layer (if observe							
Туре:								V V V
Type: Depth (in							Hydric Soil	Present? Yes <u>/</u> No
Гуре:							Hydric Soil	Present? Yes V No
Гуре: Depth (in							Hydric Soil	Present? Yes <u> </u>
Гуре: Depth (in							Hydric Soil	Present? Yes <u>V</u> No
Гуре: Depth (in							Hydric Soil	Present? Yes <u>/</u> No
Гуре: Depth (in							Hydric Soil	Present? Yes <u> </u>
Γype: Depth (ind							Hydric Soil	Present? Yes <u>v</u> No
Type: Depth (in							Hydric Soil	Present? Yes <u>v</u> No
Type: Depth (in							Hydric Soil	Present? Yes <u>V</u> No
Type: Depth (in							Hydric Soil	Present? Yes <u>V</u> No
ype: Depth (in							Hydric Soil	Present? Yes <u>V</u> No
ype: Depth (in							Hydric Soil	Present? Yes <u>V</u> No
ype: Depth (in							Hydric Soil	Present? Yes <u>v</u> No
ype: Depth (in							Hydric Soil	Present? Yes <u>v</u> No
Type: Depth (in							Hydric Soil	Present? Yes V No
Γype: Depth (ind							Hydric Soil	Present? Yes V No No
Гуре: Depth (in							Hydric Soil	Present? Yes V No No
Гуре: Depth (in							Hydric Soil	Present? Yes V No No
Гуре: Depth (in							Hydric Soil	Present? Yes V No No
Гуре: Depth (in							Hydric Soil	Present? Yes V No No
Гуре: Depth (in							Hydric Soil	Present? Yes V No No
Γype: Depth (ind							Hydric Soil	Present? Yes V No No
Type: Depth (in							Hydric Soil	Present? Yes V No No

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-469
Investigator(s):KH, LS Sect	ion, Township, Range:
Landform (hillslope, terrace, etc.): Toeslope Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.7925198	
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
Are climatic / hydrologic conditions on the site typical for this time of year?	
	urbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
Outside The Theorem 2 and The Theorem 2 and	inpining point locations, transects, important reatures, etc.
Hydrophytic Vegetation Present? Yes No No	Is the Sampled Area
Hydric Soil Present? Yes V No	within a Wetland? Yes V No
Wetland Hydrology Present? Yes No Remarks:	
All three wetland parameters (i.e., wetland hydersoils) were satisfied at this data point.	arology, flydropflytic vegetation, and flydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) — Hydrogen Sulfide On Seturation (A2)	
	res on Living Roots (C3) Moss Trim Lines (B16) d Iron (C4) Dry-Season Water Table (C2)
Water Marks (B1) Presence of Reduce Sediment Deposits (B2) Recent Iron Reducti	
Drift Deposits (B3) Thin Muck Surface (• • • • • • • • • • • • • • • • • • • •
Algal Mat or Crust (B4) Other (Explain in Re	· · ·
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches): 0	
Saturation Present? Yes No Depth (inches): 0 (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:
Remarks:	

20 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?	FAC	Number of Dominant Species
Quercus phellos	35	<u> </u>		That Are OBL, FACW, or FAC: 4 (A)
Platanus occidentalis	10		FACW	Total Number of Dominant
Fraxinus pennsylvanica	2		FACW	Species Across All Strata: 6 (B)
·				Percent of Dominant Species
i <u>. </u>				That Are OBL, FACW, or FAC: 66.66 (A/B)
S				Dravelance Index weeks beet
				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 23.50	20% of	total cover:	9.40	OBL species 0 $x 1 = 0$ FACW species 32 $x 2 = 64$
Sapling/Shrub Stratum (Plot size: 15 ft r				1710W Species X 2
Platanus occidentalis	20		FACW	FAC species $\frac{45}{21}$ $\times 3 = \frac{135}{24}$
Liriodendron tulipifera	5		FACU	FACU species 21 x 4 = 84
i				UPL species $0 \times 5 = 0$
l		. <u></u>		Column Totals: <u>98</u> (A) <u>283</u> (B)
5				Prevalence Index = B/A = 2.88
)				
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
).				∠ 2 - Dominance Test is >50%
	25	= Total Cov	er	3 - Prevalence Index is ≤3.0 ¹
50% of total cover: <u>12.50</u>				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
Smilax rotundifolia	10	~	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
Lonicera japonica	8		FACU	
Rosa multiflora	5		FACU	¹ Indicators of hydric soil and wetland hydrology must
Hedera helix	3		FACU	be present, unless disturbed or problematic.
		· 		Definitions of Four Vegetation Strata:
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
)				more in diameter at breast height (DBH), regardless of
· <u> </u>		· 		height.
3				Sapling/Shrub – Woody plants, excluding vines, less
)				than 3 in. DBH and greater than or equal to 3.28 ft (1
0				m) tall.
1				Herb – All herbaceous (non-woody) plants, regardless
40.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>13.00</u>	20% of	total cover:	5.20	Woody vine – All woody vines greater than 3.28 ft in
Voody Vine Stratum (Plot size: 30 ft r)				height.
·				
l				Hydrophytic
5		· - <u></u>		Vegetation
		= Total Cov	er	Present? Yes V No No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s				

SOIL								S	sampling Po	oint: DP-469
Profile Desc	ription: (Describ	e to the de	oth needed to docur	ment the	indicator	or confirm	n the absence	of indicate	ors.)	
Depth	Matrix			x Feature	1	3				
(inches)	Color (moist)		Color (moist)	%	Type'	Loc ²	Texture		Remarks	
0 - 8	10YR 3/1			0.5			Clay Loam	I II ada aad		
8 - 18	10YR 4/2	75	5YR 4/4	25	С	<u>M</u>	Sandy Clay	High mi	ca content	
						<u> </u>				
						<u> </u>				
	-									
	-				<u> </u>					
					<u> </u>	<u> </u>				
		epletion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.	² Location: P	L=Pore Lini	ng, M=Matrix.	
Hydric Soil I									roblematic Hy	
Histosol	(A1) pipedon (A2)		Dark Surface Polyvalue Be		ace (S8) (I	/II RΔ 1/17			A10) (MLRA 1 e Redox (A16)	
Black His			Tolyvalde Be				0	MLRA 14)		
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix			P		oodplain Soils	(F19)
	Layers (A5)		<u>✓</u> Depleted Ma		F0)			(MLRA 13		(TE40)
	ick (A10) (LRR N) d Below Dark Surfa	ace (A11)	Redox Dark Depleted Da						v Dark Surface in in Remarks	
Thick Da	ark Surface (A12)		Redox Depre	essions (F	- 8)			` '	•	,
	lucky Mineral (S1)	(LRR N,	Iron-Mangan		ses (F12) (LRR N,				
	147, 148) Sleyed Matrix (S4)		MLRA 13 Umbric Surfa		(MIRA 13	36, 122)	³ Ind	icators of h	ydrophytic veg	retation and
Sandy R			Piedmont Flo						logy must be p	
Stripped			Red Parent I	Material (I	F21) (MLR	A 127, 14	7) un	less disturb	ed or problem	atic.
	ayer (if observed	d):								
Type:	ches):						Hydric Soil	Drocont?	Yes_	No
Remarks:							nyuric soii	Fieseiit?	162	
Nemarks.										

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2025-02-24
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-470
Investigator(s):KH, LS Section	ion, Township, Range:
Landform (hillslope, terrace, etc.): Berm Local re	
Subregion (LRR or MLRA): P 136 Lat: 36.79233584	
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	slopes, severely eroded NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed.	rbed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problem	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing san	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No
Wetland Hydrology Present? Yes No ✔	within a Wetland?
Remarks:	
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	tiand flydrology, flydropflytic vegetation, or
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants	
High Water Table (A2) Hydrogen Sulfide Oc	
	res on Living Roots (C3) Moss Trim Lines (B16)
Water Marks (B1) Presence of Reduce	
Sediment Deposits (B2) Recent Iron Reduction	
Drift Deposits (B3) Thin Muck Surface (Algal Mat or Crust (B4) Other (Explain in Re	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches):	
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
, , , , , , , , , , , , , , , , , , , ,	The second representation of the second repre
Remarks:	
No hydrology was observed at this data point.	

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-470
T 0: 1 (D) 1 : 20 ft r	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0.00 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
500/ 61.1		= Total Cov		OBL species 0 $x = 0$
50% of total cover:	20% of	total cover:		FACW species $0 \times 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r) 1 Robinia pseudoacacia	10	V	FACU	FAC species $0 \times 3 = 0$
··			FACO	FACU species 85 x 4 = 340
2		·		UPL species 0 $x = 5$
3		· 		05 240
4				Column Totals: <u>85</u> (A) <u>340</u> (B)
5				Prevalence Index = B/A = 4.00
6				Hydrophytic Vegetation Indicators:
7		·		1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: <u>5.00</u>	20% of	total cover:	2.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation¹ (Explain)
1. Rosa multiflora	30		FACU	1 robicinatio riyaropriyae vegetation (Explain)
2. Solidago altissima	25		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Lonicera japonica	20		FACU	be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				The Medicales and discounting 2 in (7.0 am) as
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>37.50</u>	20% of	total cover:	15.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation
		= Total Cov	er	Present? Yes No
50% of total cover:	20% of	total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No tree, sapling/shrub, or woody vine	e strata	a were c	bserv	ed at this data point.

SOIL Sampling Point: DP-470

Profile Desc	ription: (Describe	to the dept	h needed to docun	nent the i	ndicator	or confirn	the absence	of indicators.)	
Depth	Matrix		Redo	x Feature					
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0 - 1	7.5YR 4/4	100					Sandy Clay Loam		
1 - 18	5YR 4/6	60					Clay Loam	Secondary matrix	color
1 - 18	7.5YR 5/4	40					Clay Loam		_
-									_
-									
-		·							
_		<u> </u>							
	-	-							_
¹Type: C=Co	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ains.	² Location: P	L=Pore Lining, M=Matrix	(.
Hydric Soil I		,	,			-	Indica	ators for Problematic H	lydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)				cm Muck (A10) (MLRA	-
	pipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147.		Coast Prairie Redox (A16	-
Black His			Thin Dark Su				, 0	(MLRA 147, 148)	''
	n Sulfide (A4)		Loamy Gleye			41, 140)	P	riedmont Floodplain Soils	s (F19)
	Layers (A5)		Depleted Mat		/		<u> </u>	(MLRA 136, 147)	3 (1 10)
	ck (A10) (LRR N)		Redox Dark S		6)		V	ery Shallow Dark Surfac	re (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar					Other (Explain in Remark	
	rk Surface (A12)	- ()	Redox Depre					(=	-/
	lucky Mineral (S1) (I	RR N.	Iron-Mangan			LRR N.			
-	147, 148)		MLRA 13		00 (1 12) (1				
	leyed Matrix (S4)		Umbric Surfa		(MI RΔ 13	6 122)	³ Ind	icators of hydrophytic ve	agetation and
	edox (S5)		Piedmont Flo					etland hydrology must be	-
-	Matrix (S6)		Red Parent N					less disturbed or probler	
	_ayer (if observed):		Neu Faieiii ii	nateriai (i	ZI) (WILK	H 121, 14	T un	less disturbed or probler	nauc.
	ayer (ii observeu).								
Type:									.,
Depth (inc	ches):						Hydric Soil	Present? Yes	No <u> </u>
Remarks:									
н	igh mica con	itent							

Project/Site: Southeast Supply Enhancement Project City/Cour	hty: Pittsylvania County Sampling Date: 2025-02-24
	State: Virginia Sampling Point: DP-471
Investigator(s):KH, LS Section,	Township, Range:
Landform (hillslope, terrace, etc.): Floodplain Local relief (
	Long:79.363547 Datum: WGS 84
Soil Map Unit Name: 7A - Codorus Ioam, 0 to 2 percent slopes, occ	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed	
Are Vegetation, Soil, or Hydrology naturally problematic	
SUMMARY OF FINDINGS – Attach site map showing sampl	
Yes A No	, , , , , , , , , , , , , , , , , , , ,
Hydrophytic Vegetation Present? Hydric Soil Present? Yes Yes No Is	the Sampled Area
with the solution of the solut	ithin a Wetland? Yes <u>✓</u> No
Wetland Hydrology Present? Yes ✓ No Remarks:	
All three wetland parameters (i.e., wetland hydro soils) were satisfied at this data point.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (B14)	
✓ High Water Table (A2)	
✓ Saturation (A3) ✓ Oxidized Rhizospheres of Reduced Irs	
Water Marks (B1) Presence of Reduced Iro Sediment Deposits (B2) Recent Iron Reduction in	
Drift Deposits (B3) Thin Muck Surface (C7)	Saturation Visible on Aerial Imagery (C9)
Algal Mat or Crust (B4) Other (Explain in Remark	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches): 2	_
Water Table Present? Yes No Depth (inches): 0	_
Saturation Present? Yes Vo Depth (inches): 0	Wetland Hydrology Present? Yes No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous	lus inspections), if available:
Remarks:	

Sampli	na Point:	DP-471
Januari	na i oint.	

	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species
1. Quercus phellos	50		FAC	That Are OBL, FACW, or FAC: 6 (A)
2. Acer rubrum	20	~	FAC	T
3. Platanus occidentalis	5		FACW	Total Number of Dominant Species Across All Strata: 7 (B)
4	-			(E)
				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 85.71 (A/B)
6				Prevalence Index worksheet:
7				T
		= Total Cove		
50% of total cover: <u>37.50</u>	20% of	total cover:	15.00	X :
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{10}{25}$ $\times 2 = \frac{20}{205}$
1. Acer rubrum	20		FAC	FAC species <u>95</u> x 3 = <u>285</u>
2. Ulmus americana	5	~	FACW	FACU species <u>5</u>
				UPL species 0 x 5 = 0
3				Column Totals: 125 (A) 340 (B)
4				Osianin rotals (r) (b)
5				Prevalence Index = $B/A = 2.72$
6				Hydrophytic Vegetation Indicators:
7	-			
8				1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
9	25			✓ 3 - Prevalence Index is ≤3.0 ¹
F00/ of total power, 12 50		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 12.50	20% 01	total cover:	3.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	45		ODI	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Carex lurida	15		OBL	1 Toblematio Trydrophytio Vegetation (Explain)
2. Lonicera japonica	5		FACU	1
3. Smilax rotundifolia	5	✓	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4				·
				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				
	25	- Total Cav		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 12.50		= Total Cove		or size, and woody plants less than 5.20 it tail.
·	20 /6 01	lotal cover.	0.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				
5				Hydrophytic Vegetation
		= Total Cove		Present? Yes No
EOV of total cover:				
50% of total cover:		lotal cover.		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No woody vine stratum was observed	d at thi	s data p	oint.	

SOIL Sampling Point: DP-471

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirn	n the absence	of indicators.)
Depth	Matrix			x Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 2	10YR 3/2	100					Loam	High organic content
2 - 18	2.5Y 6/2	70	10YR 4/6	20	С	<u>M</u>	Clay Loam	
2 - 18			7.5YR 5/6	10	С	М	Clay Loam	Secondary redox color
-					'			
	-							
	-							
		· ——						
					-			
		·						
							2	
		letion, RM	=Reduced Matrix, MS	S=Masked	Sand Gr	ains.		_=Pore Lining, M=Matrix. stors for Problematic Hydric Soils ³ :
Hydric Soil I			Davida Occidente	(07)				•
Histosol			Dark Surface		oo (CO) (N	U D A 447		cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be Thin Dark Su				, 148) C	oast Prairie Redox (A16) (MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			47, 140)	Þ	iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		1 2)		<u> </u>	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark S	, ,	6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar	•	,			ther (Explain in Remarks)
	ark Surface (A12)	, ,	Redox Depre					,
Sandy M	lucky Mineral (S1) (I	_RR N,	Iron-Mangan	ese Mass	es (F12) (LRR N,		
MLRA	A 147, 148)		MLRA 13	6)				
-	lleyed Matrix (S4)		Umbric Surfa					cators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7) unl	ess disturbed or problematic.
	_ayer (if observed):							
Type:								
	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Su	ipply Enhanc	ement	Project City/C	ounty: Pittsylvania C	county	Sampling Date: 2025-02-24			
Applicant/Owner: Transcont						Sampling Point: DP-472			
Investigator(s):KH, LS			Section	on, Township, Range:					
Landform (hillslope, terrace, et									
Subregion (LRR or MLRA): P									
Soil Map Unit Name: 9B - La	ackstown fine	sandy	loam, 2 to 7 per	cent slopes	NWI classificat	tion: N/A			
Are climatic / hydrologic condit	ions on the site t	ypical for	this time of year? Y	es No	(If no, explain in Re	marks.)			
						esent? Yes No			
Are Vegetation, Soil									
-	-					important features, etc.			
			No		<u> </u>				
Hydric Soil Present?	ent? Yes		No	Is the Sampled Area					
Hydric Soil Present? Wetland Hydrology Present?			No —	within a Wetland?	Yes _	No			
Remarks:									
soils) were satisfie	ed at this d	ata p	oint.						
HYDROLOGY					0	(activities and activities d)			
Wetland Hydrology Indicate						ors (minimum of two required)			
Primary Indicators (minimum	of one is require			544	Surface Soil Cracks (B6)				
Surface Water (A1) High Water Table (A2)			True Aquatic Plants (I		Sparsely Vegetated Concave Surface (B8)				
Saturation (A3)			Hydrogen Sulfide Odd Oxidized Rhizosphere	es on Living Roots (C3)	Drainage Patterns (B10) Moss Trim Lines (B16)				
Water Marks (B1)			Presence of Reduced	=		ater Table (C2)			
Sediment Deposits (B2)			Recent Iron Reduction		Crayfish Burro				
✓ Drift Deposits (B3)			Thin Muck Surface (C			ble on Aerial Imagery (C9)			
Algal Mat or Crust (B4)			Other (Explain in Rem			essed Plants (D1)			
Iron Deposits (B5)					Geomorphic Position (D2)				
Inundation Visible on Ae	rial Imagery (B7)				Shallow Aquitard (D3)				
Water-Stained Leaves (E	39)				Microtopographic Relief (D4)				
Aquatic Fauna (B13)					FAC-Neutral T	est (D5)			
Field Observations:	V V N	_	Daniel (in the case 0.75	;					
Surface Water Present?			Depth (inches): 0.75 Depth (inches): 0	<u></u>					
Water Table Present? Saturation Present?			Depth (inches): 0		Hydrology Present	? Yes V No			
(includes capillary fringe)						res No			
Describe Recorded Data (stre	eam gauge, mon	itoring we	ell, aerial photos, pre	vious inspections), if ava	ailable:				
Remarks:									

Sampling	Point:	DP-472
Sambillu	r Oll II.	

20.6	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Quercus phellos	40		FAC	That Are OBL, FACW, or FAC: 4 (A)
2. Juniperus virginiana	10		FACU	Total Number of Dominant
3				Species Across All Strata: 7 (B)
4				
5				Percent of Dominant Species That Are OBL FACW or FAC: 57.14 (A/B)
				That Are OBL, FACW, or FAC: 57.14 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
05.00		= Total Cove		OBL species <u>5</u> x 1 = <u>5</u>
50% of total cover: <u>25.00</u>	20% of	total cover:	10.00	
Sapling/Shrub Stratum (Plot size: 15 ft r				
1. Viburnum prunifolium	10		FACU	FAC species 55 x 3 = 165
2. Acer rubrum	5	~	FAC	FACU species 30 x 4 = 120
3. Juniperus virginiana	5	~	FACU	UPL species 0 x 5 = 0
4. Liriodendron tulipifera	2		FACU	Column Totals: 100 (A) 310 (B)
<u> </u>				
5				Prevalence Index = B/A = 3.10
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				
	22	= Total Cove	er	3 - Prevalence Index is ≤3.0¹
50% of total cover: 11.00				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
1. Juncus effusus	10	~	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Smilax rotundifolia	10		FAC	
	5		OBL	¹ Indicators of hydric soil and wetland hydrology must
3. Carex lurida	3			be present, unless disturbed or problematic.
4. Lonicera japonica	3		FACU	Definitions of Four Vegetation Strata:
5				
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
				noight.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	28 :	= Total Cove	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 14.00	20% of	total cover:	5.60	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				Too.g.m.
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes V No
		= Total Cove		Present? Yes V No No
50% of total cover:		total cover:		
Remarks: (Include photo numbers here or on a separate s	heet.)			
No woody vine stratum was absorved	d a+ +b;	- doto 10	. aint	
No woody vine stratum was observed	at this	s data p	oint.	

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 6	10YR 4/3	100			<u> </u>		Sandy Loam	High organic content
6 - 10	10YR 5/2	95	10YR 5/8	5	С	М	Clay Loam	
10 - 18	10YR 5/2	75	7.5YR 5/6	25	С	М	Clay Loam	
					•			
	-							
	-							
	-				. ———			
		- ——						
¹ Type: C=Ce	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indica	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	. ,				cm Muck (A10) (MLRA 147)
Histic Ep	oipedon (A2)		Polyvalue Be				, 148) C	coast Prairie Redox (A16)
Black Hi			Thin Dark Su			147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Ma	, ,				(MLRA 136, 147)
	ıck (A10) (LRR N)		Redox Dark					ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dar				0	other (Explain in Remarks)
	ark Surface (A12)		Redox Depre			(I DD N		
	Mucky Mineral (S1) (I	LRR N,	Iron-Mangan		ses (F12) (LRR N,		
	147, 148)		MLRA 13	•	/MI D A 44	oc 400\	3100	inators of hydrophytic vegetation and
	Gleyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
	Redox (S5) Matrix (S6)		Piedmont Floor Red Parent M					etland hydrology must be present, less disturbed or problematic.
	Layer (if observed)	•	Red Falelit is	nateriai (F	-21) (IVILI	A 121, 14	<i>i</i>) uii	less disturbed of problematic.
Type:	Layer (ii observed)	•						
	ches):						Hydric Soil	Present? Yes V No No
Remarks:							Tiyane 30ii	riesent: resNo
Remarks.								

SOIL

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-24				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-473				
Investigator(s):KH, LS Section, Township, Range:					
Landform (hillslope, terrace, etc.): Hillslope Local re	elief (concave, convex, none): Concave Slope (%): 1-2				
Subregion (LRR or MLRA): P 136 Lat: 36.82083956	Long:79.34953711 Datum: WGS 84				
Soil Map Unit Name: 9C - Lackstown fine sandy loam, 7 to 15 percent slopes NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No Yes No No No No Hydric Soil Present?	Is the Sampled Area within a Wetland? Yes ✔ No				
Wetland Hydrology Present? Yes ✓ No	within a wetland?				
All three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, and hydric soils) were satisfied at this data point.					
HYDROLOGY					
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)				
Surface Water (A1) True Aquatic Plants					
✓ High Water Table (A2) ✓ Hydrogen Sulfide O ✓ Seturation (A2)	- · · · · · · · · · · · · · · · · · · ·				
	res on Living Roots (C3) Moss Trim Lines (B16)				
Water Marks (B1) Presence of Reduce Sediment Deposits (B2) Recent Iron Reducti					
Sediment Deposits (B2) Recent non Reduction Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Re					
Algal Mat 01 Crost (B4) Other (Explain in Remarks) Stuffed 01 Stressed Plants (B1) Stuffed 01 Stressed Plants (B1) Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7) Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)				
Aquatic Fauna (B13)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No Depth (inches):_25					
Water Table Present? Yes No Depth (inches): 4+					
Saturation Present? Yes V No Depth (inches): 0	Wetland Hydrology Present? Yes No				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:					
Davisaka					
Remarks:					
This area was located in a cow pasture.					

EGETATION (Four Strata) – Use scientific na	ames of	piants.		Sampling Point: DP-473
00.6	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1				That Are OBL, FACW, or FAC: 1 (A)
2				Total Number of Dominant
3				Species Across All Strata: 1 (B)
4				
5				Percent of Dominant Species That Are OBL_FACW_or_FAC: 100.00 (A/B)
				That Are OBL, FACW, or FAC: $\underline{100.00}$ (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		
50% of total cover:	20% of	total cover:		
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{75}{2}$ $x = \frac{150}{2}$
1				FAC species $0 \times 3 = 0$
2				FACU species $0 \times 4 = 0$
				UPL species <u>0</u>
3				Column Totals: 80 (A) 155 (B)
4				(1)
5				Prevalence Index = $B/A = 1.93$
6				Hydrophytic Vegetation Indicators:
7				
8				✓ 1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
J		= Total Cov		✓ 3 - Prevalence Index is ≤3.0 ¹
EON/ of total covery				4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% 01	total cover.		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	00		E A O \ A /	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Echinochloa muricata	60		FACW	<u> </u>
2. Juncus effusus	15		FACW	The disease of booking and constant booking and
3. Nasturtium officinale	5		OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Definitions of Four Vegetation Strata:
·· ·				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				Herb All berbasseus (non woody) plants regardless
	80	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 40.00				or oregin and moody prame roos than ores it tam
Woody Vine Stratum (Plot size: 30 ft r)	2070 0.	10101 00101.		Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hudronhutio
5				Hydrophytic Vegetation
-		= Total Cov		Present? Yes No
50% of total cover:				
		total cover.		
Remarks: (Include photo numbers here or on a separate si	neet.)			
No tree, sapling/shrub, or woody vine	e strata	were c	bserv	ed at this data point.

SOIL Sampling Point: DP-473

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	es.			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 9	10YR 4/2	90	7.5YR 4/6	10	<u>C</u>	М	Sandy Clay Loam	
9 - 18	10YR 5/2	75	10YR 5/6	20	С	М	Sandy Clay	
9 - 18			7.5YR 4/6	5	С	М	Sandy Clay	Secondary redox color
-								
_								
						·		
-						· ———		
_								
	-							
						· ——		
		oletion, RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface		(00) (1			cm Muck (A10) (MLRA 147)
Histic Ep	nipedon (A2)		Polyvalue Be				, 148) C	oast Prairie Redox (A16)
	n Sulfide (A4)		Thin Dark Su Loamy Gleye			147, 140)	P	(MLRA 147, 148) iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		(1 2)		<u> </u>	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	. ,	- 6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar				0	ther (Explain in Remarks)
	rk Surface (A12)		Redox Depre			1 DD N		
-	lucky Mineral (S1) (l \ 147, 148)	LKK N,	Iron-Mangan MLRA 13		ses (F12) (LKK N,		
	eleyed Matrix (S4)		Umbric Surfa		(MLRA 13	6. 122)	³ Indi	icators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 14	7) unl	ess disturbed or problematic.
Restrictive I	ayer (if observed)	:						
Type:								,
Depth (inc	ches):						Hydric Soil	Present? Yes V No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City	//County: Pittsylvania County Sampling Date: 2025-02-24								
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC									
	ction, Township, Range:								
_andform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Concave Slope (%): 2-3									
Subregion (LRR or MLRA): P 136 Lat: 36.830967 Long: -79.34013 Datum: WGS 84									
Soil Map Unit Name: 23B - Clover fine sandy loam, 2 to 7 perc	Soil Map Unit Name: 23B - Clover fine sandy loam, 2 to 7 percent slopes NWI classification: N/A								
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)								
Are Vegetation, Soil, or Hydrology significantly dist	surbed? Are "Normal Circumstances" present? Yes No								
Are Vegetation, Soil, or Hydrology naturally proble									
	ampling point locations, transects, important features, etc.								
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes No Yes No No No Remarks:	Is the Sampled Area within a Wetland? Yes No								
All three wetland parameters (i.e., wetland hy soils) were satisfied at this data point.	drology, hydrophytic vegetation, and hydric								
HYDROLOGY									
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)								
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)								
Surface Water (A1) True Aquatic Plant									
High Water Table (A2) Hydrogen Sulfide (Cache Cache C									
	eres on Living Roots (C3) Moss Trim Lines (B16)								
Water Marks (B1) Presence of Reduction Sediment Deposits (B2) Recent Iron Reduction									
Drift Deposits (B3) Thin Muck Surface									
Algal Mat or Crust (B4) Other (Explain in R									
Iron Deposits (B5)	Geomorphic Position (D2)								
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)								
Water-Stained Leaves (B9)	Microtopographic Relief (D4)								
Aquatic Fauna (B13)	FAC-Neutral Test (D5)								
Field Observations:									
Surface Water Present? Yes No Depth (inches): _5									
Water Table Present? Yes No Depth (inches): 4									
Saturation Present? Yes No Depth (inches): 0	Wetland Hydrology Present? Yes No								
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	revious inspections), if available:								
Remarks:									

	Absolute	Dominant		Dominance Test worksheet:	-
Tree Stratum (Plot size: 30 ft r) 1.	<u> </u>	Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 2	(A)
2				Total Number of Dominant Species Across All Strata: 4	(B)
l <u>.</u>				Percent of Dominant Species	_ ` ,
5 2				That Are OBL, FACW, or FAC: 50.00 Prevalence Index worksheet:	(A/B
7					
		= Total Cov		40 40	
50% of total cover:	20% of	total cover	:		
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{75}{0}$ $x = \frac{150}{0}$	—
1. Rubus argutus	20		FACU	1 AC species	
2				FACU species 40 $x 4 = 160$	—
3				UPL species $0 \times 5 = 0$	
1				Column Totals: 125 (A) 320	(B)
5				Prevalence Index = B/A = 2.56	
5				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
B				2 - Dominance Test is >50%	
9				✓ 3 - Prevalence Index is ≤3.0 ¹	
	20	= Total Cov	/er	4 - Morphological Adaptations¹ (Provide s	unnortin
50% of total cover: 10.00	20% of	total cover	4.00		
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate shee	•
_{1.} Juncus effusus	55	~	FACW	Problematic Hydrophytic Vegetation ¹ (Exp	olain)
_{2.} Poa palustris	20	✓	FACW		
3 Solidago canadensis	10		FACU	¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	y must
Carex Iurida	10		OBL	Definitions of Four Vegetation Strata:	
5				Definitions of Four Vegetation Strata.	
6				Tree – Woody plants, excluding vines, 3 in. (7	
7				more in diameter at breast height (DBH), rega height.	rdless of
8.			·		
9.	·			Sapling/Shrub – Woody plants, excluding vin	
10				than 3 in. DBH and greater than or equal to 3. m) tall.	2011 (1
11.		· -		,	
· · · <u> </u>	95	= Total Cov	/or	Herb – All herbaceous (non-woody) plants, re of size, and woody plants less than 3.28 ft tall.	
50% of total cover: 47.50					
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.	.28 ft in
1 Lonicera japonica	10	~	FACU	height.	
·					
2					
3					
4				Hydrophytic	
5	40			Vegetation Present? Yes ✓ No	
500/ of total account 5 00		= Total Cover total cover		11050IR: 105 NO	_
50% of total cover: 5.00		lotal cover			
Remarks: (Include photo numbers here or on a separate	sneet.)				
No tree stratum was observed at this	s data n	oint.			

Sampling Point: DP-474

SOIL

Profile Desc	ription: (Describe	to the de	oth needed to docur	nent the	indicator	or confirm	n the absence of i	indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 1	10YR 3/2	100					Loam	
1 - 8	10YR 4/2	90	10YR 4/6	10	С	М	Loam	
8 - 18	10YR 4/1	98	10YR 4/6	2	С	М	Sandy Loam	
_								
	-				-	· ——		
		-						
	-							
¹ Type: C=Co	oncentration. D=Dep	letion. RM	=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.	² Location: PL=P	Pore Lining, M=Matrix.
Hydric Soil I			,					rs for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	e (S7)			2 cm	Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be	. ,	ace (S8) (N	/ILRA 147,		st Prairie Redox (A16)
Black His	stic (A3)		Thin Dark Su	ırface (S9	9) (MLRA '	147, 148)	(M	ILRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye		(F2)		Piedr	mont Floodplain Soils (F19)
	l Layers (A5)		Depleted Ma	. ,				ILRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		,			Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Dar				Othe	r (Explain in Remarks)
	rk Surface (A12)		Redox Depre					
	lucky Mineral (S1) (I	LRR N,	Iron-Mangan		ses (F12) (LRR N,		
	147, 148) sleyed Matrix (S4)		MLRA 13 Umbric Surfa	-	/MIDA 13	06 422\	³ Indicat	tors of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					nd hydrology must be present,
	Matrix (S6)		Red Parent N					s disturbed or problematic.
	_ayer (if observed):			viatoriai (i	/ (1, 4,11000	raidanted of problematic.
Type:	,							
• • •	ches):						Hydric Soil Pre	esent? Yes 🗸 No
Remarks:								

Project/Site: Southeast Supply Enhancement Project	City/County: Pittsylvania County Sampling Date: 2025-02-24							
Applicant/Owner: Transcontinental Gas Pipe Line Company,								
·-	Section, Township, Range:							
	ocal relief (concave, convex, none): Concave Slope (%): 1-2							
Subregion (LRR or MLRA): P 136 Lat: 36.831365 Long: -79.339535 Datum: WGS 84								
	percent slopes NWI classification: N/A							
Are climatic / hydrologic conditions on the site typical for this time of y								
	y disturbed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally p								
SUMMARY OF FINDINGS – Attach site map showin	g sampling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No	Is the Sampled Area							
Hydric Soil Present? Yes No	within a Wetland? Yes V No							
Wetland Hydrology Present? Yes No								
All three wetland parameters (i.e., wetland soils) were satisfied at this data point.	I hydrology, hydrophytic vegetation, and hydric							
HYDROLOGY								
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic								
✓ High Water Table (A2) — Hydrogen Sul fide Odor (C1) Drainage Patterns (B10)								
Saturation (A3) Oxidized Rhiz	ospheres on Living Roots (C3) Moss Trim Lines (B16)							
	Reduced Iron (C4) Dry-Season Water Table (C2)							
	eduction in Tilled Soils (C6) Crayfish Burrows (C8)							
Drift Deposits (B3) Thin Muck Su								
Algal Mat or Crust (B4) Other (Explain								
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No Depth (inche	s):							
Water Table Present? Yes No Depth (inche								
Saturation Present? Yes No Depth (inche	· ———							
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous inspections), if available:							
3,.3,,	,							
Remarks:								

Absolute	Dominant	indicator	Dominance Test worksheet:
			Number of Dominant Species That Are OBL, FACW, or FAC: 3
			Total Number of Dominant Species Across All Strata: 3
			Species Across Air Strata.
			Percent of Dominant Species That Are OBL FACW or FAC: 100.00
			That Are OBL, FACW, or FAC: 100.00
			Prevalence Index worksheet:
	- Total Cov		Total % Cover of: Multiply by:
			OBL species 0 x 1 = 0
20 /0 01	total cover.		FACW species _50
5	~	FAC	FAC species 52 x 3 = 156
		<u> </u>	FACU species 20 x 4 = 80
			UPL species $0 \times 5 = 0$
			Column Totals: 122 (A) 336
			Column rotals (A)
			Prevalence Index = B/A = 2.75
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			✓ 2 - Dominance Test is >50%
			✓ 3 - Prevalence Index is ≤3.0 ¹
<u> </u>			4 - Morphological Adaptations ¹ (Provide suppo
20% of	total cover:	1.00	data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation¹ (Explain)
			Problematic Trydrophytic Vegetation (Explain)
			1 adjectors of budgie cell and wellend budgelow, and
10			¹ Indicators of hydric soil and wetland hydrology mube present, unless disturbed or problematic.
10		FACU	Definitions of Four Vegetation Strata:
5		FAC	
2		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cr
			more in diameter at breast height (DBH), regardles height.
			Sapling/Shrub – Woody plants, excluding vines, letter 3 in DRU and greater than are agreed to 3 29 ft
			than 3 in. DBH and greater than or equal to 3.28 ft m) tall.
			,
447	Tatal Cau		Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall.
			of size, and woody plants less than 3.26 it tall.
20 /0 01	total cover.	20.10	Woody vine – All woody vines greater than 3.28 ft
			height.
			Hydrophytic
			Vegetation
			Present? Yes No No
20% of	total cover:		
sheet.)			
neerved	l at this	datan	point
	5 20% of 50 40 10 5 2 117 20% of 5 sheet.)	= Total Cov 20% of total cover: 5	= Total Cover 20% of total cover: 5

US Army Corps of Engineers

SOIL Sampling Point: DP-475

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirn	n the absence	of indicators.)
Depth	Matrix	-	Redo	x Feature	s			•
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 2	10YR 4/2	100					Loam	
2 - 15	10YR 5/2	80	7.5YR 6/8	15	С	PL / M	Clay Loam	
2 - 15			7.5YR 4/6	5	С	М	Clay Loam	Secondary redox color
15 - 18	10YR 6/2	85	7.5YR 6/8	15	С	М	Clay	
-								
_								
_		·			-			
		·						
		·						
1 _{T. max} C=C		lation DM	—Daduard Matrix M				21	- Dave Lining M-Matrix
Hydric Soil I		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			Dark Surface	(97)				cm Muck (A10) (MLRA 147)
Histosol	ipedon (A2)		Dark Surface Polyvalue Be		re (S8) (N	NI RA 147		oast Prairie Redox (A16)
Black Hi			Tolyvalde Be				0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye	•	, .	141, 140)	Р	iedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma		· -/		<u> </u>	(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	. ,	- 6)		V	ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Da	rk Surface	e (F7)			ther (Explain in Remarks)
Thick Da	rk Surface (A12)		Redox Depre	essions (F	8)			
-	lucky Mineral (S1) (I	_RR N,	Iron-Mangan		es (F12) (LRR N,		
	\ 147, 148)		MLRA 13				3	
-	leyed Matrix (S4)		Umbric Surfa					icators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6) ayer (if observed):		Red Parent N	viateriai (F	-21) (WLR	A 127, 14	7) uni	ess disturbed or problematic.
Type:	ayer (ii observeu).	•						
• • • • • • • • • • • • • • • • • • • •	ches):						Hydric Soil	Present? Yes V No
Remarks:							Tiyano oon	11050H: 105 H0
Nemains.								

Project/Site: Southeast Su	upply Enhanceme	nt Project City/C	county: Pittsylvania C	ounty	Sampling Date: 2025-02-24			
Applicant/Owner: Transcon		•			Sampling Point: DP-476			
Investigator(s):JF		Secti	on, Township, Range:					
- : :								
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 2-3 Subregion (LRR or MLRA): P 136 Lat: 36.833993 Long: -79.336149 Datum: WGS 84								
Soil Map Unit Name: 23B -		loam 2 to 7 perce	nt slopes	NIVA/I plane://in/	Datum			
Are climatic / hydrologic condi								
Are Vegetation, Soil _	, or Hydrology	significantly distur	bed? Are "Norm	al Circumstances"	present? Yes No			
Are Vegetation, Soil _	, or Hydrology	naturally problem	atic? (If needed,	explain any answe	ers in Remarks.)			
SUMMARY OF FINDIN	GS – Attach site	map showing san	npling point location	ons, transects,	, important features, etc.			
Hydrophytic Vegetation Pres	ent? Yes	No 🗸						
Hydric Soil Present?	Yes	No 🗸	Is the Sampled Area within a Wetland?	Yes	No 🗸			
Wetland Hydrology Present?	Yes —	No 🗸	within a welland?					
Remarks:			<u> </u>					
None of the three hydric soils) were			tland hydrology	/, hydrophyt	tic vegetation, or			
HYDROLOGY								
Wetland Hydrology Indicat	ors:			Secondary Indicat	tors (minimum of two required)			
Primary Indicators (minimum	of one is required; che	eck all that apply)		Surface Soil Cracks (B6)				
Surface Water (A1)	_	True Aquatic Plants (Sparsely Vegetated Concave Surface (B8)				
High Water Table (A2)	_	Hydrogen Sulfide Od		Drainage Patt				
Saturation (A3)			es on Living Roots (C3)	Moss Trim Lir				
Water Marks (B1) Sediment Deposits (B2)		Presence of ReduceRecent Iron Reduction		Crayfish Burro	Nater Table (C2)			
Orift Deposits (B3)		Thin Muck Surface (sible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)		Other (Explain in Re			ressed Plants (D1)			
Iron Deposits (B5)			,	Geomorphic F				
Inundation Visible on Ae	erial Imagery (B7)			Shallow Aquit				
Water-Stained Leaves (B9)			Microtopographic Relief (D4)				
Aquatic Fauna (B13)				FAC-Neutral	Test (D5)			
Field Observations:								
Surface Water Present?		Depth (inches):						
Water Table Present?		Depth (inches):						
Saturation Present?	Yes No	Depth (inches):	Wetland H	Hydrology Present	t? Yes No			
(includes capillary fringe) Describe Recorded Data (str	eam gauge, monitoring	g well, aerial photos, pre	evious inspections), if ava	ıilable:				
Remarks:								
No hydrology was	observed at t	his data point.						
		-						

204-	Absolute	Dominant		Dominance Test worksheet:	
ree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species	
Pinus virginiana	80		FACU	That Are OBL, FACW, or FAC: 2	(A)
_ Juniperus virginiana	20		FACU	Total Number of Dominant	
				Species Across All Strata: 5	(B)
-					. (-)
				Percent of Dominant Species That Are OBL FACW or FAC: 40.00	
				That Are OBL, FACW, or FAC: 40.00	_ (A/B
). -	-			Prevalence Index worksheet:	
	100			Total % Cover of: Multiply by:	
50.00		= Total Cov		OBL species 0 x 1 = 0	
50% of total cover: <u>50.00</u>	20% of	total cover	20.00		_
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$	_
Acer rubrum	10		FAC	FAC species $\frac{15}{405}$ $\times 3 = \frac{45}{400}$	_
Liquidambar styraciflua	5	~	FAC	FACU species 105 x 4 = 420	_
3	<u></u>			UPL species $0 \times 5 = 0$	_
				Column Totals: 120 (A) 465	(B)
ł					、 /
5				Prevalence Index = B/A = 3.87	_
S				Hydrophytic Vegetation Indicators:	
7				1 - Rapid Test for Hydrophytic Vegetation	
3				2 - Dominance Test is >50%	
). <u> </u>				3 - Prevalence Index is ≤3.0 ¹	
	15	= Total Cov	er		
50% of total cover: 7.50	20% of	total cover:	3.00	4 - Morphological Adaptations ¹ (Provide su	
Herb Stratum (Plot size: 5 ft r				data in Remarks or on a separate sheet)
	5	/	FACU	Problematic Hydrophytic Vegetation ¹ (Expla	ain)
2				¹ Indicators of hydric soil and wetland hydrology	must
3				be present, unless disturbed or problematic.	
4				Definitions of Four Vegetation Strata:	
5					
3				Tree – Woody plants, excluding vines, 3 in. (7.6	
7				more in diameter at breast height (DBH), regard height.	iless of
3.					
9.				Sapling/Shrub – Woody plants, excluding vine	s, less
				than 3 in. DBH and greater than or equal to 3.2 m) tall.	8 ft (1
10				m) tan.	
11				Herb – All herbaceous (non-woody) plants, rega	ardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.	
50% of total cover: <u>2.50</u>	20% of	total cover	1.00	Woody vine – All woody vines greater than 3.2	8 ft in
Noody Vine Stratum (Plot size: 30 ft r)				height.	
1					
2					
3					
4.					
				Hydrophytic	
5				Vegetation Present? Yes No ✓	
		= Total Cov		16310	
50% of total cover:		total cover:			
Remarks: (Include photo numbers here or on a separate s	heet.)				·
No woody vine stratum was observe	d at thi	c data :	ooint		
10 WOOUV VIIIE SUALUIII WAS ODSELVE	u at till	o uata l	JUIIIL.		

Sampling Point: DP-476

OIL								Samplin	ng Point: DP-47
rofile Desc	ription: (Describ	e to the de	pth needed to docu	ment the	indicato	r or confire	m the absence of	indicators.)	
epth	Matrix			ox Feature		1 2	T 4	D	
nches) 0 - 7	Color (moist) 7.5YR 4/4	<u>%</u> 100	Color (moist)	%	Type ¹	Loc ²	Texture Sandy Clay Loam	Rem	narks
7 - 13			_,				· -		
	7.5YR 4/6	100					Clay Loam		
13 - 18	7.5YR 5/6	95	5YR 5/6	5	<u>C</u>	<u>M</u>	Clay Loam		
							<u> </u>		
			_						
-									
-									
_							· -		
			-	· -					
			_	· -			· · · · · · · · · · · · · · · · · · ·		
	ancontration D-D	onlotion DN	4-Doduced Matrix M		d Cond C		21 continue DI =	Doro Lining M-N	Actrix
	Indicators:	epielion, Kr	M=Reduced Matrix, M	is=iviasked	u Sanu G	oranis.		Pore Lining, M=N	naux. ntic Hydric Soils³:
Histosol			Dark Surfac	0 (87)				n Muck (A10) (MI	•
	oipedon (A2)		Polyvalue B		nce (S8)	(MI RΔ 147		st Prairie Redox	
Black Hi			Thin Dark S					/ILRA 147, 148)	(7.10)
	en Sulfide (A4)		Loamy Gley			, ,	•	lmont Floodplain	Soils (F19)
	d Layers (A5)		Depleted Ma		(- –)			/ILRA 136, 147)	(17)
	ıck (A10) (LRR N)		Redox Dark		- 6)			Shallow Dark S	urface (TF12)
	d Below Dark Surfa		Depleted Da	ark Surface	e (F7)		Othe	er (Explain in Rer	marks)
	ark Surface (A12)		Redox Depr						
	Mucky Mineral (S1)	(LRR N,	Iron-Mangai		es (F12)	(LRR N,			
	A 147, 148)		MLRA 1		/MI D A /	100 400\	31		
	Gleyed Matrix (S4) Redox (S5)		Umbric Surf Piedmont FI					tors of nyarophyt nd hydrology mu:	tic vegetation and
-	Matrix (S6)		Red Parent					s disturbed or pro	
	Layer (if observe	d):		matorial (i	, (3 diotal bod of pix	obiomatio.
Depth (in	ches):						Hydric Soil Pr	esent? Yes_	No <u> </u>
marks:									

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-24							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC								
Investigator(s): JF Section, Township, Range:								
_andform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%):								
Subregion (LRR or MLRA): P 136 Lat: 36.834626 Long: -79.335630 Datum: WGS 84								
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percentage (1975)								
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes No (If no, explain in Remarks.)							
Are Vegetation, Soil, or Hydrology significantly distu	urbed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problen	natic? (If needed, explain any answers in Remarks.)							
SUMMARY OF FINDINGS – Attach site map showing sa	mpling point locations, transects, important features, etc.							
Hydrophytic Vegetation Present? Yes No	Is the Committee Asset							
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No							
Wetland Hydrology Present? Yes No	Within a Welland:							
Remarks:								
hydric soils) were satisfied at this data point.								
HYDROLOGY	Consider the disease (reining up of two pages in all							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)							
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)							
Surface Water (A1) True Aquatic Plants High Water Table (A2) Hydrogen Sulfide O								
	dor (C1) Drainage Patterns (B10) eres on Living Roots (C3) Moss Trim Lines (B16)							
Water Marks (B1) Presence of Reduce								
	ion in Tilled Soils (C6) Crayfish Burrows (C8)							
Drift Deposits (B3) Thin Muck Surface								
Algal Mat or Crust (B4) Other (Explain in Re	emarks) Stunted or Stressed Plants (D1)							
Iron Deposits (B5)	Geomorphic Position (D2)							
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)							
Water-Stained Leaves (B9)	Microtopographic Relief (D4)							
Aquatic Fauna (B13)	FAC-Neutral Test (D5)							
Field Observations:								
Surface Water Present? Yes No Depth (inches):								
Water Table Present? Yes No Depth (inches): Saturation Present? Yes No Depth (inches):								
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	evious inspections), if available:							
Remarks:								
No hydrology was observed at this data point								
No hydrology was observed at this data point	•							

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EGETATION (Four Strata) – Use scientific n		•		Sampling Point: DP-477
Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
Pinus virginiana	75	<u> </u>	Otatas	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Quercus velutina	10			That Ale OBE, I AOW, OI I AO.
3. Carya tomentosa	5			Total Number of Dominant Species Across All Strata: 2 (B)
1				Species Across All Strata: 2 (B)
* 5				Percent of Dominant Species That Are ORL FACW or FAC: 0.00 (A/R)
•				That Are OBL, FACW, or FAC: 0.00 (A/B)
				Prevalence Index worksheet:
7	90	= Total Cove		Total % Cover of: Multiply by:
50% of total cover: 45.00		total cover:		OBL species $0 x 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)	2070 01			FACW species 0 x 2 = 0
1. Juniperus virginiana	25	✓	FACU	FAC species <u>5</u> x 3 = <u>15</u>
2. Prunus serotina	10		FACU	FACU species 35 x 4 = 140
3. Liquidambar styraciflua	5		FAC	UPL species <u>0</u> x 5 = <u>0</u>
1				Column Totals: 40 (A) 155 (B)
_		-		
•				Prevalence Index = B/A = 3.87
6 7				Hydrophytic Vegetation Indicators:
/ 8.				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
9	40	= Total Cove		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 20.00				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r	20 /0 01	total cover.		data in Remarks or on a separate sheet)
1				Problematic Hydrophytic Vegetation ¹ (Explain)
_				
2				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
+ 5.				Definitions of Four Vegetation Strata:
·				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
/				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				
11				Herb – All herbaceous (non-woody) plants, regardless
50% of total cover:		= Total Cover:		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r	20 /0 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
				height.
1				
2				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
50% of total cover:		= Total Cover		
Remarks: (Include photo numbers here or on a separate s		total cover.	.	
Remarks. (include prioto numbers here or on a separate s	neet.)			
No herbaceous or woody vine strata	were o	bserved	d at th	is data point.
-				

SOIL Sampling Point: DP-477

Profile Desc	ription: (Describe	to the dep	oth needed to docun	nent the i	indicator	or confirm	the absence of	indicators.)
Depth	Matrix		Redo	x Feature	S			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 5	5YR 5/4	95	5YR 4/6	5	С	М	Clay Loam	
5 - 12	5YR 5/4	80	5YR 4/6	20	С	М	Clay	
12 - 18	5YR 4/6	100					Sandy Clay Loam	
-								
-								
_								
-					'	- '		
		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicato	rs for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2 cm	n Muck (A10) (MLRA 147)
Histic Ep	oipedon (A2)		Polyvalue Be	low Surfa	ce (S8) (I	VILRA 147,	148) Coas	st Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	rface (S9	(MLRA	147, 148)	(N	ILRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	d Matrix ((F2)		Pied	mont Floodplain Soils (F19)
Stratified	d Layers (A5)		Depleted Mat	trix (F3)			(N	ILRA 136, 147)
2 cm Mu	ıck (A10) (LRR N)		Redox Dark S	Surface (F	- 6)			Shallow Dark Surface (TF12)
Depleted	d Below Dark Surfac	e (A11)	Depleted Dar	k Surface	e (F7)		Othe	er (Explain in Remarks)
	ark Surface (A12)		Redox Depre					
Sandy M	lucky Mineral (S1) (I	_RR N,	Iron-Mangan	ese Mass	es (F12) ((LRR N,		
MLRA	\ 147, 148)		MLRA 13	6)				
Sandy G	Sleyed Matrix (S4)		Umbric Surfa	ce (F13)	(MLRA 1	36, 122)	³ Indicat	tors of hydrophytic vegetation and
Sandy R	Redox (S5)		Piedmont Flo	odplain S	oils (F19)	(MLRA 14	I8) wetlar	nd hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	RA 127, 147	7) unless	s disturbed or problematic.
Restrictive I	Layer (if observed):							
Type:								
Depth (inc	ches):						Hydric Soil Pro	esent? Yes No 🗸
Remarks:							•	

Project/Site: Southeast Supply Enhancement Project City/O	County: Pittsylvania County Sampling Date: 2025-02-24					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-478					
Investigator(s): JF Section, Township, Range:						
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 2-4						
	Long: -79.335083 Datum: WGS 84					
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce						
Are climatic / hydrologic conditions on the site typical for this time of year? Y	'es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems						
	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes ✔ No						
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No Yes No V	Is the Sampled Area					
Wetland Hydrology Present? Yes ✓ No	within a Wetland? Yes No					
Remarks:						
Only two (i.e., wetland hydrology and hydrophy parameters were satisfied at this data point.	ytic vegetation) of the three wetland					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants ((B14) Sparsely Vegetated Concave Surface (B8)					
✓ High Water Table (A2) Hydrogen Sulfide Od						
Saturation (A3) Oxidized Rhizospher						
Water Marks (B1) Presence of Reduced	d Iron (C4) Dry-Season Water Table (C2)					
Sediment Deposits (B2) Recent Iron Reduction						
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Rer						
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9) Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)					
	FAC-Neutial Test (D5)					
Field Observations: Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches): 2						
Saturation Present? Yes No Depth (inches): 0	Wetland Hydrology Present? Yes V No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:					
Remarks:						

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
Acer rubrum	25		FAC	That Are OBL, FACW, or FAC: 4 (A)
Carya tomentosa	5			Total Niverban of Deminant
				Total Number of Dominant Species Across All Strata: 6 (B)
				(=)
				Percent of Dominant Species That Are OBL FACW or FAC: 66.66 (A/B
				That Are OBL, FACW, or FAC: 66.66 (A/B)
·				Prevalence Index worksheet:
	30	= Total Cov		Total % Cover of: Multiply by:
50% of total cover: 15.00				OBL species 10 x 1 = 10
apling/Shrub Stratum (Plot size: 15 ft r)	20 /0 01	total cover.		FACW species 35 x 2 = 70
Ligustrum sinense	20	V	FACU	FAC species 35 x 3 = 105
Acer rubrum	10		FAC	FACU species 45
Prunus serotina	5		FACU	UPL species $0 \times 5 = 0$
· 			1 400	Column Totals: 125 (A) 365 (B)
				Column Totals (A) (B)
•				Prevalence Index = $B/A = 2.92$
				Hydrophytic Vegetation Indicators:
·				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
<u> </u>				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 17.50	20% of	total cover:	7.00	data in Remarks or on a separate sheet)
lerb Stratum (Plot size: 5 ft r)				
_ Juncus effusus	30		FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
_ Ludwigia palustris	10	~	OBL	4
Dichanthelium scoparium	5		FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Solidago canadensis	5		FACU	Definitions of Four Vegetation Strata:
Microstegium vimineum			FAC	Definitions of Four Vegetation Strata.
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
				more in diameter at breast height (DBH), regardless of height.
·		-		noight.
·				Sapling/Shrub – Woody plants, excluding vines, less
·				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
0				,
1	50			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 25.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
	20% 01	total cover.	10.00	Woody vine – All woody vines greater than 3.28 ft in
Voody Vine Stratum (Plot size: 30 ft r) Lonicera japonica	15		FAOLI	height.
Lonicera japonica			FACU	
·				
				Hydrophytic
				Vegetation
	15 :	= Total Cov		Present? Yes V No No
50% of total cover: 7.50	20% of	total cover:	3.00	
Remarks: (Include photo numbers here or on a separate s	heet.)			
	,			

Sampling Point: DP-478

ches) Col 0 - 4 10YF 4 - 12 10YF	: (Describe to Matrix	the dep	th needed to decur						
ches) Col 0 - 4 10YF 4 - 12 10YF	Matrix	oop				or confirm	n the absence o	f indicators.)	
0 - 4 10YF 4 - 12 10YF	or (moist)	%	Redo:	x Feature %	s Type ¹	Loc²	Texture	Pom	narks
4 - 12 10YF		98	7.5YR 5/8	2	С	<u> </u>	Sandy Clay Loam	Keli	iaiks
		90	7.5YR 5/8	10		_ <u>M</u>	Clay Loam		
2 - 18 10YF	R 5/6	95	7.5YR 5/8	5	C	_ M	Clay		
			7.0111.070	<u> </u>	· —		<u> </u>		
			-						
pe: C=Concentra dric Soil Indicate		etion, RM=	=Reduced Matrix, MS	S=Masked	d Sand G	rains.		Pore Lining, M=N	Matrix. tic Hydric Soils ³ :
Histic Epipedon Black Histic (A3 Hydrogen Sulfid Stratified Layers 2 cm Muck (A10 Depleted Below Thick Dark Surfa Sandy Mucky M MLRA 147, 1 Sandy Gleyed M Sandy Redox (S Stripped Matrix strictive Layer (i Type: Depth (inches): marks:) le (A4) s (A5) l) (LRR N) Dark Surface ace (A12) lineral (S1) (LF 48) Matrix (S4) (S6) (S6) f observed):	RR N,	Polyvalue Be Thin Dark Su Loamy Gleye Depleted Mai Redox Dark S Depleted Dar Redox Depre Iron-Mangane MLRA 13i Wimbric Surfa Piedmont Flo Red Parent M	rface (S9 d Matrix (trix (F3) Surface (F4 d Surface d S	(F2) (F2) (F3) (F4) (F5) (F7) (F6) (F7) (F8) (F12) (MLRA 1) (F19)	147, 148) (LRR N, 36, 122)) (MLRA 1	((Pier () Ver Oth 3 Indica 48) wetla	and hydrology mu ss disturbed or pro	Soils (F19) urface (TF12) marks) tic vegetation and st be present,

Project/Site: Southeast Supply Enhancement Project City/C	county: Pittsylvania County Sampling Date: 2025-02-24						
• • • • • • • • • • • • • • • • • • • •	State: Virginia Sampling Point: DP-479						
Investigator(s): JF Section, Township, Range:							
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 2-3							
	Long:79.334469 Datum: WGS 84						
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 perce							
Are climatic / hydrologic conditions on the site typical for this time of year? ${\rm Y}$	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)						
SUMMARY OF FINDINGS – Attach site map showing same	ppling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No Is the Sampled Area.							
Hydric Soil Present?	Is the Sampled Area within a Wetland? Yes No						
Wetland Hydrology Present? Yes No 🗸	within a Wetland? Yes No						
Remarks:							
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soils) were satisfied at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (I	B14) Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide Odd							
Saturation (A3) Oxidized Rhizosphere							
Water Marks (B1) Presence of Reduced							
Sediment Deposits (B2) Recent Iron Reductio							
Drift Deposits (B3) Thin Muck Surface (C							
Algal Mat or Crust (B4) Other (Explain in Ren							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Shallow Aquitard (D3) Microtopographic Relief (D4)						
Aquatic Fauna (B13)	Microtopographic Relief (D4) FAC-Neutral Test (D5)						
Field Observations:	1 AO-Neutral 1631 (D0)						
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):							
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:						
Remarks:	_						
No hydrology was observed at this data point.							
The flydrology was observed at this data point.							

Sampling	Point:	DP-479
Gairibiliu	I UIIII.	

20.4	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?	Status	Number of Dominant Species
_{1.} Pinus virginiana	40			That Are OBL, FACW, or FAC: 4 (A)
2. Quercus falcata	20		FACU	Total Number of Deminant
3. Betula nigra	10		FACW	Total Number of Dominant Species Across All Strata: 9 (B)
4.				(2)
_				Percent of Dominant Species
···				That Are OBL, FACW, or FAC: 44.44 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species $0 \times 1 = 0$
50% of total cover: 35.00	20% of	total cover:	14.00	
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 10 x 2 = 20 FAC species 17 x 3 = 51
1. Liriodendron tulipifera	10		FACU	1 AC species X 3 =
2. Ligustrum sinense	5		FACU	FACU species <u>42</u> x 4 = <u>168</u>
3. Acer rubrum	5	✓	FAC	UPL species <u>0</u>
4 Smilax rotundifolia	5		FAC	Column Totals: <u>69</u> (A) <u>239</u> (B)
5 Elaeagnus umbellata	2			
<u> </u>				Prevalence Index = $B/A = 3.46$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
	27 :	= Total Cov	er	4 - Morphological Adaptations¹ (Provide supporting
50% of total cover: <u>13.50</u>	20% of	total cover:	5.40	
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Acer rubrum	5	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2 Smilax rotundifolia	2		FAC	
3. Lonicera japonica	2		FACU	¹ Indicators of hydric soil and wetland hydrology must
···				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
7				height.
8				
9			·	Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11.				, ,
11	9 .			Herb – All herbaceous (non-woody) plants, regardless
500/ of total agrees 450		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 4.50	20% 01	total cover:	1.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r	_		E 4 O L L	height.
1. Lonicera japonica	5		FACU_	
2				
3				
4				Lhadranhadia
5.				Hydrophytic Vegetation
	5 .	= Total Cov		Present? Yes No
50% of total cover: 2.50		total cover:		
Remarks: (Include photo numbers here or on a separate s				
Remarks. (include prioto numbers here of on a separate s	neet.)			

Sampling Point: DP-479

							Sampling P	
ofile Desc	cription: (Describ	e to the dep	th needed to docur	nent the indicator o	r confirm the	absence of indica	tors.)	
epth	Matrix			x Features				
iches)	Color (moist)		Color (moist)	%Type ¹		exture	Remarks	
0 - 6	5YR 4/6	100			Cla	y Loam		
6 - 18	5YR 3/4	100			Cla	ny		
-								
-				·				
-								
	_	 ,						
oe: C=Co	oncentration, D=D	epletion, RM=	Reduced Matrix, MS	S=Masked Sand Grai	ns. ² Lo	cation: PL=Pore Lir	ning, M=Matrix	(.
	Indicators:					Indicators for F	Problematic H	lydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)		2 cm Muck	(A10) (MLRA	147)
	pipedon (A2)			low Surface (S8) (MI	RA 147, 148)			
Black His	istic (A3)		Thin Dark Su	rface (S9) (MLRA 14	7, 148)	(MLRA 1	47, 148)	
	en Sulfide (A4)		Loamy Gleye	ed Matrix (F2)			loodplain Soils	s (F19)
	d Layers (A5)		Depleted Ma			(MLRA 1		
	uck (A10) (LRR N)		Redox Dark				w Dark Surfac	
	d Below Dark Surfa	ace (A11)		rk Surface (F7)		Other (Expl	ain in Remark	s)
	ark Surface (A12)	/I DD N	Redox Depre		55 N			
	Mucky Mineral (S1)	(LRR N,		ese Masses (F12) (L	RR N,			
	A 147, 148) Gleyed Matrix (S4)		MLRA 13	o) ice (F13) (MLRA 136	122\	³ Indicators of	hydrophytio yo	actation and
	Redox (S5)			oodplain Soils (F19) (ology must be	-
-	I Matrix (S6)			Material (F21) (MLRA			bed or probler	
	Layer (if observed	d).	Red I alent i	Material (1 2 1) (WEICH	127, 147)	นาแอรร นารเนา	bed of probler	nauc.
	Layer (II Observe)	u).						
						dric Soil Present?	Vec	_ No <u>✓</u>
Type:	abaa):				נייו וייי	aric Son Present?	Yes	_ NO
Depth (inc	ches):							
Depth (inc	ches):		<u> </u>					
Depth (inc	ches):				-			
Depth (inc	ches):		<u> </u>		1			
Depth (inc	ches):							
Depth (inc	ches):				,			
Depth (inc	ches):							
Depth (inc	ches):							
Depth (inc	ches):							
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Depth (inc	ches):							
• -	ches):							
Depth (inc	ches):							
Depth (inc	ches):							
Depth (inc	ches):							

Project/Site: Southeast Su	apply Enhanceme	ent Project City/C	_{ounty:} <u>Pittsylvania C</u>	ounty	Sampling Date: 2025-02-24	
Applicant/Owner: Transcont	tinental Gas Pipe L	ine Company, LLC	-	State: Virginia	Sampling Point: DP-480	
Investigator(s):JF		Section				
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-2						
Subregion (LRR or MLRA): P 136 Lat: 36.779929 Long: -79.386148 Datum: WGS 84						
Soil Map Unit Name: 8A - Codorus-Comus complex, 0 to 2 percent slopes, frequently flooded NWI classification: N/A						
Are climatic / hydrologic condit	tions on the site typica	I for this time of year? Ye	es No	(If no, explain in Rer	marks.)	
Are Vegetation , Soil	, or Hydrology	significantly disturb	ped? Are "Norma	I Circumstances" pre	esent? Yes 🖍 No	
Are Vegetation, Soil						
-					important features, etc.	
Hydrophytic Vegetation President Hydric Soil Present? Wetland Hydrology Present? Remarks:	Yes _	No No No	Is the Sampled Area within a Wetland?	Yes <u>*</u>	No	
All three wetland p soils) were satisfied HYDROLOGY			rology, hydrop	hytic vegeta	tion, and hydric	
Wetland Hydrology Indicate	ors:			Secondary Indicato	rs (minimum of two required)	
Primary Indicators (minimum		eck all that apply)		Surface Soil Ci		
Surface Water (A1)	•	True Aquatic Plants (314)		tated Concave Surface (B8)	
High Water Table (A2)		Hydrogen Sulfide Odd		Drainage Patte		
Saturation (A3)		Oxidized Rhizosphere		Moss Trim Line		
Water Marks (B1)	_	Presence of Reduced	Iron (C4)	Dry-Season W	ater Table (C2)	
Sediment Deposits (B2)	_	Recent Iron Reduction	n in Tilled Soils (C6)	Crayfish Burrow	ws (C8)	
Drift Deposits (B3)		Thin Muck Surface (C			ble on Aerial Imagery (C9)	
Algal Mat or Crust (B4)	-	Other (Explain in Rem	narks)		essed Plants (D1)	
Iron Deposits (B5)				Geomorphic Po		
Inundation Visible on Ae				Shallow Aquita		
Water-Stained Leaves (E Aquatic Fauna (B13)	39)			Microtopograpl FAC-Neutral To		
Field Observations:				TAC-Neutial II	est (D0)	
Surface Water Present?	Ves No V	Depth (inches):				
Water Table Present?		Depth (inches): 4				
Saturation Present?		Depth (inches): 0	Wetland H	- - - - - - - - - - - - - - - - - - -	Yes No	
(includes capillary fringe)					103	
Describe Recorded Data (str	eam gauge, monitorin	g well, aerial photos, pre	vious inspections), if ava	ailable:		
Remarks:						
Nomano.						

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-480
	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1. Carpinus caroliniana	40		FAC	That Are OBL, FACW, or FAC: 4 (A)
2				Total Number of Dominant
3				Species Across All Strata: 4 (B)
4				Dercent of Deminant Charles
5	-			Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00 (A/B)
6				
7				Prevalence Index worksheet:
	40	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 20.00	20% of	total cover:	8.00	OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 \times 2 = 0$
1. Carpinus caroliniana	10		FAC	FAC species $90 x 3 = 270$
2	-			FACU species $0 \times 4 = 0$
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>90</u> (A) <u>270</u> (B)
5				3.00
6				Prevalence Index = B/A = 3.00
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				✓ 2 - Dominance Test is >50%
<u>. </u>	10	= Total Cov		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 5.00				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Microstegium vimineum	10	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2	-			
				¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
6				more in diameter at breast height (DBH), regardless of
1				height.
8				Sapling/Shrub – Woody plants, excluding vines, less
9	-			than 3 in. DBH and greater than or equal to 3.28 ft (1
10	-			m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
5.00		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>5.00</u>	20% of	total cover:	2.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r) 1. Smilax rotundifolia	30		EAO	height.
	30		FAC	
2	-			
3	-			
4				Hydrophytic
5				Vegetation No. No. No.
45.00		= Total Cov		Present? Yes V No No
50% of total cover: 15.00		total cover:	6.00	
Remarks: (Include photo numbers here or on a separate s	heet.)			

SOIL Sampling Point: DP-480

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	indicator	or confirm	the absence	of indicators.)
Depth	epth Matrix Redox Features							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 5	10YR 4/1	80	7.5YR 4/6	15	С	М	Silt Loam	
0 - 5			7.5YR 5/8	5	С	М	Silt Loam	Secondary redox color
5 - 18	10YR 4/2	75	7.5YR 4/6	20	С	М	Silt Loam	
5 - 18			7.5YR 5/8	5	С	М	Silt Loam	Secondary redox color
						<u> </u>		
						<u> </u>		
		oletion, RM	=Reduced Matrix, M	S=Masked	d Sand Gr	ains.		_=Pore Lining, M=Matrix.
Hydric Soil			D 10 ((07)				ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface		(00) (N DA 447		cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)
Black Hi			Thin Dark Su			147, 148)	D	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5) ick (A10) (LRR N)		<u>✓</u> Depleted Ma		-6)		V	(MLRA 136, 147)
	d Below Dark Surfac	o (Λ11)	Redox Dark Depleted Da					ery Shallow Dark Surface (TF12) ther (Explain in Remarks)
	ark Surface (A12)	C (ATT)	Redox Depre					ther (Explain in Remarks)
	lucky Mineral (S1)	IRRN	Iron-Mangan			I RR N		
-	147, 148)	LIXIX IV,	MLRA 13		C3 (1 12) (LIXIX IV,		
	Gleyed Matrix (S4)		Umbric Surfa	•	(MIRA 13	86, 122)	³ Indi	cators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					tland hydrology must be present,
-	Matrix (S6)		Red Parent N					ess disturbed or problematic.
	Layer (if observed)	:			, (1	ood diotalbod of problemation
Type:	.,							
	ches):		<u> </u>				Hydric Soil	Present? Yes V No No
Remarks:							1	

Project/Site: Southeast Supply Enhancement Project City	//County: Pittsylvania County Sampling Date: 2025-02-24					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC						
Investigator(s):JF Sec						
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%):						
· · · · · · · · · · · · · · · · · · ·	Long: -79.38605 Datum: WGS 84					
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percei						
Are climatic / hydrologic conditions on the site typical for this time of year?						
	turbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally proble						
SUMMARY OF FINDINGS – Attach site map showing sa	impling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No No	Is the Sampled Area within a Wetland? Yes No					
Wetland Hydrology Present? Yes No 🗸	within a Wetland? Yes No					
Remarks:						
None of the three wetland parameters (i.e., which have soils) were satisfied at this data point.	etland hydrology, hydrophytic vegetation, or					
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plant						
High Water Table (A2) Hydrogen Sulfide C						
	eres on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduc						
	tion in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface	(C7) Saturation Visible on Aerial Imagery (C9)					
Algal Mat or Crust (B4) Other (Explain in R	lemarks) Stunted or Stressed Plants (D1)					
Iron Deposits (B5)	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, p	previous inspections), if available:					
Remarks:						
No hydrology was observed at this data point	·•					

VEGETATION (Four Strata) – Use scientific names of plants.

EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-481
	Absolute			Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r) 1		Species?		Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
2				
3				Total Number of Dominant Species Across All Strata: 1 (B)
4				(-/
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.00 (A/B)
6				That Are OBE, I ACW, OF AC.
7				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:				OBL species $0 \times 1 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $0 x 2 = 0$
1				FAC species $0 \times 3 = 0$
2				FACU species 80 x 4 = 320
3				UPL species $0 \times 5 = 0$
4				Column Totals: <u>80</u> (A) <u>320</u> (B)
5				
6				Prevalence Index = B/A = 4.00
7				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
8 9				2 - Dominance Test is >50%
ə. <u> </u>		= Total Cov		3 - Prevalence Index is ≤3.0 ¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Lolium perenne	80	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Lamium amplexicaule	15			
3				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
4 5.				Definitions of Four Vegetation Strata:
5 6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
_				more in diameter at breast height (DBH), regardless of
/				height.
0				Sapling/Shrub – Woody plants, excluding vines, less
9				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				Tity can.
11	0.5	T-4-1 O		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 47.50		= Total Cov		of size, and woody plants less than 3.20 it tall.
Woody Vine Stratum (Plot size: 30 ft r)	20 /0 01	total cover.		Woody vine – All woody vines greater than 3.28 ft in
1				height.
_				
3				
4				Hydrophytic
5				Vegetation Present? Yes No
50% of total cover:		= Total Cov		· · · · · · · · · · · · · · · · · · ·
Remarks: (Include photo numbers here or on a separate sl		total cover.		
No tree, sapling/shrub, or woody vine	e strata	were o	bserv	ed at this data point.

SOIL Sampling Point: DP-481

Profile Desc	ription: (Describe	to the dept	h needed to docur	nent the i	ndicator	or confirm	the abse	ence of indicators.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)	<u></u> %	Color (moist)	<u>%</u>	Type ¹	Loc ²	<u>Textur</u>	e Remarks	
0 - 6	7.5YR 3/4	100					Clay Lo	am_	
6 - 13	5YR 4/6	100					Clay Lo	am	
13 - 16	5YR 4/6	100		'			Sandy Lo	am	
16 - 18	2.5YR 4/6	100	·				Clay		
_		-		-					
	_								
		-		-			-		
¹Type: C=Cc	oncentration, D=Dep	letion, RM=	Reduced Matrix, MS	S=Masked	Sand Gra	ins.	² Location	n: PL=Pore Lining, M=Matrix.	
Hydric Soil I								ndicators for Problematic Hydric Soils	s ³ :
Histosol	(A1)		Dark Surface	(S7)			_	_ 2 cm Muck (A10) (MLRA 147)	
	ipedon (A2)		Polyvalue Be				148) _	Coast Prairie Redox (A16)	
Black His			Thin Dark Su			47, 148)		(MLRA 147, 148)	
	n Sulfide (A4)		Loamy Gleye	,	F2)		_	Piedmont Floodplain Soils (F19)	
	Layers (A5)		Depleted Mar	. ,	-0\			(MLRA 136, 147)	
	ck (A10) (LRR N) I Below Dark Surface	- (Δ11)	Redox Dark S Depleted Dar				_	Very Shallow Dark Surface (TF12)Other (Explain in Remarks)	
	rk Surface (A12)	<i>(</i> A11)	Redox Depre				_	_ Other (Explain in Remarks)	
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan			RR N,			
	147, 148)	·	MLRA 13		` , ,	,			
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (MLRA 13	6, 122)		³ Indicators of hydrophytic vegetation an	d
Sandy R	edox (S5)		Piedmont Flo					wetland hydrology must be present,	
	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7)	unless disturbed or problematic.	
	ayer (if observed):								
Type:			<u> </u>						
Depth (inc	ches):						Hydric	Soil Present? Yes No	
Remarks:									

Project/Site: Southeast Supply Enhancement Project City/	County: Pittsylvania County Sampling Date: 2025-02-24					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-482					
Investigator(s):JF Section, Township, Range:						
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 1-2						
Subregion (LRR or MLRA): P 136 Lat: 36.833013 Long: -79.333631 Datum: WGS 84						
Subregion (LRR or MLRA): 1 130 Lat: 30.033013 Long: 479.333031 Datum: W03 04 Soil Map Unit Name: 23B - Clover fine sandy loam, 2 to 7 percent slopes NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year?						
Are Vegetation, Soil, or Hydrology significantly distu						
Are Vegetation, Soil, or Hydrology naturally problem	natic? (If needed, explain any answers in Remarks.)					
SUMMARY OF FINDINGS – Attach site map showing sar	mpling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓					
Wetland Hydrology Present? Yes No ✓	Within a Wetland:					
Remarks:	1					
None of the three wetland parameters (i.e., we hydric soils) were satisfied at this data point.	etland hydrology, hydrophytic vegetation, or					
., a c,						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants						
High Water Table (A2) Hydrogen Sulfide Oc						
	res on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduce						
Sediment Deposits (B2) — Recent Iron Reducti This Muck Surface (
Drift Deposits (B3) Thin Muck Surface (Algal Mat or Crust (B4) Other (Explain in Re						
Algal Mat of Crost (B4) Other (Explain in Ne	Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13) FAC-Neutral Test (D5)						
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
No hydrology was observed at this data point.						

VEGETATION (Four Strata) – Use scientific names of plants.

/EGETATION (Four Strata) – Use scientific na	ames of	plants.		Sampling Point: DP-482
20 # "	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 0 (A)
2				Total Number of Dominant
3				Species Across All Strata: 2 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 0.00 (A/B
6				Prevalence Index worksheet:
7				
		= Total Cov	er	Total % Cover of: Multiply by: OBL species 0 x 1 = 0
50% of total cover:	20% of	total cover:		
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{0}{2}$ $x = \frac{0}{6}$
1				1 AC species
2				FACU species $\frac{82}{25}$ $\times 4 = \frac{328}{175}$
3				UPL species $\frac{35}{110}$ $x = \frac{175}{500}$
4				Column Totals: <u>119</u> (A) <u>509</u> (B)
5				Prevalence Index = B/A = 4.27
6				
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
9				2 - Dominance Test is >50%
		= Total Cov	er	3 - Prevalence Index is ≤3.0¹
50% of total cover:				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Lolium perenne	80	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Stellaria media	30	~	UPL	
Setaria faberi	5		UPL	¹ Indicators of hydric soil and wetland hydrology must
Liquidambar styraciflua	2		FAC	be present, unless disturbed or problematic.
5 Allium canadense	2		FACU	Definitions of Four Vegetation Strata:
6				Tree - Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8		-		noight.
9	-	-		Sapling/Shrub – Woody plants, excluding vines, less
10.				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
11.				
· · · <u> </u>	119	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>59.50</u>				or olze, and woody plante less than olze it tail.
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				neignt.
2.				
3 4				
_				Hydrophytic
5				Vegetation Present? Yes No
50% of total cover				
		total cover.		
50% of total cover: Remarks: (Include photo numbers here or on a separate si No tree, sapling/shrub, or woody vine	20% of heet.)			

Sampling Point: DP-482

Depth	Matrix	%	Redox Features Color (moist) % Type ¹ Loc ²	Tax++	Domente
(inches)	Color (moist)		Color (moist) % Type ¹ Loc ²	Texture	Remarks
0 - 4	10YR 4/4	100		Loam	
4 - 13	10YR 5/4	100		Sandy Loam	
13 - 18	10YR 6/4	100		Sandy Loam	
-					
-					
				·	
<u> </u>					
-					
Tyne: C=C	oncentration D=D	enletion RM=F	Reduced Matrix, MS=Masked Sand Grains.	² Location: P	L=Pore Lining, M=Matrix.
	Indicators:	epiction, ravi–i	reduced Matrix, MO-Masked Garia Crains.	Indica	ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surface (S7)		cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Below Surface (S8) (MLRA 147		Coast Prairie Redox (A16)
	istic (A3)		Thin Dark Surface (S9) (MLRA 147, 148)	, -, <u> </u>	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	P	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark Surface (F6)		'ery Shallow Dark Surface (TF12)
	d Below Dark Surf	ace (A11)	Depleted Dark Surface (F7)	0	Other (Explain in Remarks)
	ark Surface (A12)		Redox Depressions (F8)		
-	Mucky Mineral (S1)	(LRR N,	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148) Gleyed Matrix (S4)		MLRA 136) Umbric Surface (F13) (MLRA 136, 122)	3Ind	licators of hydrophytic vegetation and
	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 1		etland hydrology must be present,
	d Matrix (S6)		Red Parent Material (F21) (MLRA 127, 14		less disturbed or problematic.
	Layer (if observe	d):		1	
Type:	• •	,			
	ches):		<u> </u>	Hydric Soil	Present? Yes No
emarks:	,				
omano.					

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania County Sampling Date: 2025-02-27						
Applicant/Owner: Transcontinental Pipe Line Company, LLC	State: Virginia Sampling Point: DP-483						
Investigator(s):KH, LS Section	on, Township, Range:						
Landform (hillslope, terrace, etc.): Swale Local reli							
Subregion (LRR or MLRA): P 136 Lat: 36.66303183							
Soil Map Unit Name: 23C - Clover fine sandy loam, 7 to 15 percent slopes NWI classification: N/A							
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problema							
SUMMARY OF FINDINGS – Attach site map showing sam							
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes Yes No Yes No No Remarks:	Is the Sampled Area within a Wetland? Yes No						
All three wetland parameters (i.e., wetland hyd soils) were satisfied at this data point.	rology, hydrophytic vegetation, and hydric						
HYDROLOGY							
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) True Aquatic Plants (I High Water Table (A2) Hydrogen Sulfide Odd Saturation (A3) Oxidized Rhizosphere Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction Drift Deposits (B3) Thin Muck Surface (C Algal Mat or Crust (B4)	Sparsely Vegetated Concave Surface (B8) or (C1)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:						
Remarks:							

VEGETATION (Four Strata) – Use scientific names of plants.

'EGETATION (Four Strata) – Use scientific na	mes of	plants.		Sampling Point: DP-483
		Dominant		Dominance Test worksheet:
		Species?		Number of Dominant Species
1				That Are OBL, FACW, or FAC: 5 (A)
2				Total Number of Dominant _
3				Species Across All Strata: 7 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 71.42 (A/B)
6				Prevalence Index worksheet:
7				Total % Cover of: Multiply by:
		= Total Cov		OBL species 0 x 1 = 0
50% of total cover:	20% of	total cover:		FACW species 25 $x = 50$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FAC species 50 x 3 = 150
1				FACU species 15 x 4 = 60
2				UPL species 10
3				100
4				Column Totals: 100 (A) 310 (B)
5				Prevalence Index = $B/A = 3.10$
6				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)			E40	Problematic Hydrophytic Vegetation¹ (Explain)
1. Microstegium vimineum	30		FAC	Troblemade Tryanophytic Vegetation (Explain)
2. Juncus effusus	15		FACW	¹ Indicators of hydric soil and wetland hydrology must
3. Coreopsis tripteris	10		FAC	be present, unless disturbed or problematic.
4. Dichanthelium clandestinum	10		FAC	Definitions of Four Vegetation Strata:
5. Panicum scoparium	10		FACW	
6. Rosa multiflora	10		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7. Verbesina virginica	10		UPL	height.
8. Lonicera japonica	5		FACU	Sanling/Shrub Woody plants evaluding vines loss
9				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
10				m) tall.
11				Herb – All herbaceous (non-woody) plants, regardless
	100 :	= Total Cov	er	of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>50.00</u>	20% of	total cover:	20.00	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				Livelyanhydia
5				Hydrophytic Vegetation
		= Total Cov		Present? Yes No
50% of total cover:	20% of	total cover:	_	
Remarks: (Include photo numbers here or on a separate sh	ieet.)			
50% of total cover: Remarks: (Include photo numbers here or on a separate sh No tree, sapling/shrub, or woody vine	20% of neet.)	total cover:		

Sampling Point: DP-483

(inches)	Matrix	%	Red	ox Feature	S Tuno ¹	Loc ²	Tovturo	Domorko
0 - 1	Color (moist) 10YR 3/3		Color (moist)	%	Type ¹	LOC	Texture Loam	Remarks High organic matter
					· 			High organic matter
1 - 8	10YR 6/3	80	7.5YR 5/8	20	<u>C</u>	PL / M	Clay Loam	
8 - 18	10YR 6/2	85	7.5YR 5/6	15	С	PL / M	Clay Loam	
-								
_			-					-
				· <u></u>	· ——			
			· -		· 			_
				·				
-								
-								
		-						
[vno: C=C	oncontration D=D	nolotion DN	 /I=Reduced Matrix, M	IS-Macko	d Sand Gr	raine	² Location: DI	L=Pore Lining, M=Matrix.
	Indicators:	epielion, Ki	i-Reduced Matrix, iv	IS-IVIASKE	u Saliu Gi	allis.	Indica	ators for Problematic Hydric Soils ³ :
_ Histosol			Dark Surfac	e (S7)				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue B	. ,	ce (S8) (I	MLRA 147.		oast Prairie Redox (A16)
	istic (A3)		Thin Dark S				=	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gley			, -,	Р	iedmont Floodplain Soils (F19)
	d Layers (A5)		✓ Depleted Ma		,			(MLRA 136, 147)
	uck (A10) (LRR N)		Redox Dark		- 6)		V	ery Shallow Dark Surface (TF12)
	d Below Dark Surfa	ace (A11)	Depleted Da		,			ther (Explain in Remarks)
_ Thick Da	ark Surface (A12)		Redox Depr	essions (F	8)			
_ Sandy N	Mucky Mineral (S1)	(LRR N,	Iron-Mangai	nese Mass	es (F12) ((LRR N,		
	A 147, 148)		MLRA 1	-				
	Gleyed Matrix (S4)		Umbric Surf					icators of hydrophytic vegetation and
-	Redox (S5)		Piedmont FI					tland hydrology must be present,
	d Matrix (S6)		Red Parent	Material (F	-21) (MLR	A 127, 147	') unl	ess disturbed or problematic.
estrictive	Layer (if observed	d):						
Type:								
. , , ,							Hydric Soil	Present? Yes V No
Depth (in	ches):							
Depth (in	ches):							
Depth (in	ches):							
Depth (in	ches):							
Depth (in	ches):							
Depth (in	ches):							
Depth (in	ches):							
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	ches):							
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Depth (in	ches):							
Depth (in	ches):							
Depth (in	ches):							
Depth (in	ches):							
Depth (in	ches):							

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania Sampling Date: 2025-03-31						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP488						
Investigator(s):KZ, MS Section, Township, Range:							
Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 4							
Subregion (LRR or MLRA): P 136 Lat: 36.78759968 Long: -79.38521563 Datum: NAD 83							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent slopes, severely eroded NWI classification: N/A							
Are climatic / hydrologic conditions on the site typical for this time of year?	res No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problem							
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Yes No 🗸							
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V No	Is the Sampled Area						
Wetland Hydrology Present?	within a Wetland? Yes No						
Remarks:							
None of the three wetland parameters (i.e., we hydric soil) were observed at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants							
High Water Table (A2) Hydrogen Sulfide Od							
	res on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction							
Drift Deposits (B3) Thin Muck Surface (
Algal Mat or Crust (B4) Other (Explain in Rei							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches):	Wetland Hydrology Present? Yes No						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							
No hydrology was observed at this data point.							

20.5	Absolute	Dominant		Dominance Test worksheet:
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Number of Dominant Species
1. Acer rubrum	30		FAC	That Are OBL, FACW, or FAC: 1 (A)
_{2.} Fagus grandifolia	20		FACU	Total Number of Dominant
_{3.} Liriodendron tulipifera	20		FACU	Species Across All Strata: 6 (B)
Prunus serotina	5		FACU	
5				Percent of Dominant Species That Are OBL_FACW_or_FAC: 16.66 (A/B
				That Are OBL, FACW, or FAC: 16.66 (A/B)
6	- (·		Prevalence Index worksheet:
7	75	T-4-1 O		Total % Cover of: Multiply by:
50% of total cover: 37.5		= Total Cov		OBL species $0 x 1 = 0$
· · · · · · · · · · · · · · · · · · ·	20% 0	total cover.		FACW species $0 x 2 = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r) 1 Viburnum prunifolium	6	~	FACU	FAC species 30 x 3 = 90
·· <u>·</u>		· 	FACU	FACU species 79 x 4 = 316
2				
3	_			01 E species x 0 =
4				Column Totals: <u>109</u> (A) <u>406</u> (B)
5				Prevalence Index = B/A = 3.72
6				-
7				Hydrophytic Vegetation Indicators:
8				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
9	^	T-4-1 O		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 3.00		= Total Cov		4 - Morphological Adaptations ¹ (Provide supporting
	20% 01	total cover.		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	15	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Lonicera japonica				
2. Hedera helix	- 8 5		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Allium vineale	_ 5		FACU	be present, unless disturbed or problematic.
4				Definitions of Four Vegetation Strata:
5				
6				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				insignal
9.	<u> </u>			Sapling/Shrub – Woody plants, excluding vines, less
	_			than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
10				m) can:
11	00			Herb – All herbaceous (non-woody) plants, regardless
700/ 5/ / 14 0/		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: 14.00	20% 01	total cover:	5.60	Woody vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r)				height.
1				
2				
3				
4				the described to
5				Hydrophytic Vegetation
v. <u> </u>		= Total Cov	· · · · · · · · · · · · · · · · · · ·	Present? Yes No
50% of total cover:				
	20 /0 01	total COVEI.		
	-1			
Remarks: (Include photo numbers here or on a separate	sheet.)			
	,	s data r	ooint	

US Army Corps of Engineers

SOIL Sampling Point: DP488

Profile Desc	ription: (Describe	to the depti	h needed to document the indicator or confir	m the absence	e of indicators.)
Depth	Matrix		Redox Features		
(inches)	Color (moist)	%	Color (moist) % Type ¹ Loc ²	Texture	Remarks
0 - 18	2.5YR 4/6	95		Clay Loam	
0 - 18	5YR 3/3	5		Clay Loam	Secondary matrix color
	311(3/3			Oldy Louin	Secondary matrix color
-					
				· - <u></u>	
				·	
-					
	-				
				· - <u></u>	
		letion, RM=I	Reduced Matrix, MS=Masked Sand Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil	Indicators:			Indic	ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface (S7)		2 cm Muck (A10) (MLRA 147)
Histic E	oipedon (A2)		Polyvalue Below Surface (S8) (MLRA 147	', 148) (Coast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Surface (S9) (MLRA 147, 148)		(MLRA 147, 148)
Hydroge	en Sulfide (A4)		Loamy Gleyed Matrix (F2)	F	Piedmont Floodplain Soils (F19)
	d Layers (A5)		Depleted Matrix (F3)		(MLRA 136, 147)
	ıck (A10) (LRR N)		Redox Dark Surface (F6)		/ery Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Dark Surface (F7)	(Other (Explain in Remarks)
	ark Surface (A12)		Redox Depressions (F8)		
	Mucky Mineral (S1) (I	LRR N,	Iron-Manganese Masses (F12) (LRR N,		
	A 147, 148)		MLRA 136)	31	disatana af landono la dia na astatian and
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122)		dicators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 1		etland hydrology must be present,
	Matrix (S6)		Red Parent Material (F21) (MLRA 127, 14	17) ur	nless disturbed or problematic.
	Layer (if observed)				
• • • • • • • • • • • • • • • • • • • •					.,
Depth (in	ches):			Hydric Soi	I Present? Yes No
Remarks:					

Project/Site: Southeast Supply Enhancement Project City/C	ounty: Pittsylvania Sampling Date: 2025-03-31
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP489
Investigator(s):KZ, MS Section	on, Township, Range:
Landform (hillslope, terrace, etc.): Terrace Local reli	ef (concave, convex, none): Concave Slope (%): 2
Subregion (LRR or MLRA): P 136 Lat: 36.78804712	
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent	
Are climatic / hydrologic conditions on the site typical for this time of year? $$ Y	es No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes V No No No No No No No No No	Is the Sampled Area within a Wetland? Yes No
All three wetland parameters (i.e. wetland hydr soil) were observed at this data point.	ology, hydrophytic vegetation, and hydric
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)
Surface Water (A1) True Aquatic Plants (I	
High Water Table (A2) Hydrogen Sulfide Odd	
✓ Saturation (A3) ✓ Oxidized Rhizosphere	
Water Marks (B1) Presence of Reduced Sediment Deposits (B2) Recent Iron Reduction	· · ·
Drift Deposits (B3) Thin Muck Surface (C	
Algal Mat or Crust (B4) Other (Explain in Ren	
Iron Deposits (B5)	Geomorphic Position (D2)
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)
Water-Stained Leaves (B9)	Microtopographic Relief (D4)
Aquatic Fauna (B13)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No Depth (inches):	
Water Table Present? Yes No Depth (inches):	
Saturation Present? Yes No Depth (inches): 2 (includes capillary fringe)	Wetland Hydrology Present? Yes No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Tomano.	

VEGETATION (Four Strata) - Use scientific names of plants.

Tree Stratum (Plot size: 30 ft r

3. Carpinus caroliniana

Sapling/Shrub Stratum (Plot size: 15 ft r)

5. Ulmus americana ____5

1. Carpinus caroliniana 5

1. Liriodendron tulipifera

4. Fraxinus americana

Herb Stratum (Plot size: 5 ft r 1. Cardamine flexuosa 2. Lonicera japonica

7 Ranunculus abortivus

4. Bidens tripartita

6. Allium vineale

3. Smilax rotundifolia

5. Lamium purpureum

Woody Vine Stratum (Plot size: 30 ft r)

2. Acer rubrum

ı) – Use scientific n	ames or	piants.		Sampling Point: DP489
,	Absolute	Dominant		Dominance Test worksheet:
)		Species? ✓	FACU	Number of Dominant Species
	30			That Are OBL, FACW, or FAC: 4 (A)
	10		FAC	Total Number of Dominant
	8		FAC	Species Across All Strata: 6 (B)
	8		FACU	Percent of Dominant Species
	5		FACW	That Are OBL, FACW, or FAC: 66.66 (A/
				Prevalence Index worksheet:
	61	= Total Cov	<u></u>	Total % Cover of: Multiply by:
0% of total cover: 30.50		total cover:		OBL species $0 \times 1 = 0$
15 ft r	_			FACW species 20 x 2 = 40
/	5	~	FAC	FAC species 53 x 3 = 159
				FACU species 58
				UPL species $0 \times 5 = 0$
				Column Totals: 131 (A) 431 (E
				Prevalence Index = B/A = 3.29
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				✓ 2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
	5	= Total Cov	er	<u> </u>
0% of total cover: 2.50	20% of	total cover:	1.00	4 - Morphological Adaptations ¹ (Provide supporti
)				data in Remarks or on a separate sheet)
<i>,</i>	15	✓	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
	15	<u> </u>	FACU	
	15		FAC	¹ Indicators of hydric soil and wetland hydrology must
	12		FACW	be present, unless disturbed or problematic.
	8			Definitions of Four Vegetation Strata:
	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
	3		FACW	more in diameter at breast height (DBH), regardless
	<u> </u>		FACW	height.
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1
				m) tall.
	72			Herb – All herbaceous (non-woody) plants, regardles
200/		= Total Cov		of size, and woody plants less than 3.28 ft tall.
		= Total Cov total cover:		of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
				of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>36.50</u> 30 ft r)				of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in
				of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic
	20% of		14.60	of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height.

Remarks: (Include photo numbers here or on a separate sheet.)

No woody vine stratum was observed at this data point.

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the i	indicator	or confirm	n the absence	of indicators.)
Depth	Matrix		Redo	x Feature	S			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 5	2.5Y 4/1	80	7.5YR 5/4	15	С	M	Sandy Clay Loam	
0 - 5			5YR 4/6	5	С	М		Secondary redox color
5 - 18	5Y 4/1	75	7.5YR 4/6	15	С	M	Sandy Clay Loam	
5 - 18			7.5YR 3/3	10	С	M		Secondary redox color
		letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		=Pore Lining, M=Matrix.
Hydric Soil I								tors for Problematic Hydric Soils ³ :
Histosol			Dark Surface					cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be				, 148) C	oast Prairie Redox (A16)
Black Hi			Thin Dark Su			147, 148)	_	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		P	iedmont Floodplain Soils (F19)
	Layers (A5)		<u>✓</u> Depleted Ma					(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark	•				ery Shallow Dark Surface (TF12)
	Below Dark Surfac	e (A11)	Depleted Da				0	ther (Explain in Remarks)
	rk Surface (A12)		Redox Depre					
-	lucky Mineral (S1) (I	_RR N,	Iron-Mangan		es (F12) (LRR N,		
	147, 148)		MLRA 13				3	
-	leyed Matrix (S4)		Umbric Surfa					cators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F	21) (MLR	A 127, 14	7) unl	ess disturbed or problematic.
Restrictive I	ayer (if observed):							
Type:						.,		
	ches):						Hydric Soil	Present? Yes V No No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania Sampling Date: 2025-03-31						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP490						
Investigator(s):KZ, MS Section	on, Township, Range:						
Landform (hillslope, terrace, etc.): Terrace Local relic	_andform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 1						
	Long:79.38463442 Datum: NAD 83						
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent							
Are climatic / hydrologic conditions on the site typical for this time of year? Yes	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No							
Are Vegetation, Soil, or Hydrology naturally problema							
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.						
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Remarks: Yes V No Yes No No Yes No Yes No No Remarks:	Is the Sampled Area within a Wetland? Yes No						
All three wetland parameters (i.e. wetland hydrology, hydrophytic vegetation, and hydric soil) were observed at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9) Aquatic Fauna (B13) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Sparsely Vegetated Concave Surface (C1) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)							
Field Observations: Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches): 3							
Saturation Present? Yes V No Depth (inches): 0	Wetland Hydrology Present? Yes _ ✓ No						
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, preventation of the control							

VEGETATION (Four Strata) – Use scientific names of plants.

er <u>Sp</u>	vecies?	FAC FACU	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant Species Across All Strata: 6 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 83.33 (A/B)
	<i>'</i>	FAC	That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant Species Across All Strata: 6 (B) Percent of Dominant Species
			That Are OBL, FACW, or FAC: 5 (A) Total Number of Dominant Species Across All Strata: 6 (B) Percent of Dominant Species
		FACU	Species Across All Strata: 6 (B) Percent of Dominant Species
			Species Across All Strata: 6 (B) Percent of Dominant Species
= To		<u> </u>	
= To			That Alc Obe, I AOW, Ol I AO.
= To			
			Prevalence Index worksheet:
	tal Cove		Total % Cover of: Multiply by:
	l cover:		OBL species <u>0</u> x 1 = <u>0</u>
			FACW species 12 x 2 = 24
	~	FAC	FAC species 100 x 3 = 300
			FACU species 40 x 4 = 160
			UPL species 0 x 5 = 0
			Column Totals: <u>152</u> (A) <u>484</u> (B)
			Prevalence Index = B/A = 3.18
			Hydrophytic Vegetation Indicators:
			1 - Rapid Test for Hydrophytic Vegetation
			✓ 2 - Dominance Test is >50%
— <u> </u>			3 - Prevalence Index is ≤3.0 ¹
_			4 - Morphological Adaptations ¹ (Provide supporting
OI IOIA	ii covei		data in Remarks or on a separate sheet)
	/	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Four Vegetation Strata:
			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
		1,400	more in diameter at breast height (DBH), regardless of
		EACIL	height.
			Sapling/Shrub – Woody plants, excluding vines, less
		FAC	than 3 in. DBH and greater than or equal to 3.28 ft (1
			m) tall.
			Herb – All herbaceous (non-woody) plants, regardless
			of size, and woody plants less than 3.28 ft tall.
of tota	l cover:_	15.40	Woody vine – All woody vines greater than 3.28 ft in
			height.
			Hydrophytic
			Vegetation
			Present? Yes V No No
of tota	l cover:_		
	= To	= Total Covering of total covering with the covering and	= Total Cover of total cover: 2.00 FACU FAC FAC FAC FAC FAC FAC FACU

Profile Desc	cription: (Describe	to the dep	th needed to docur	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature:				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	5Y 5/1	65	5YR 4/6	25	С	PL / M	Sandy Loam	
0 - 7			5YR 5/8	10	С	PL / M		Secondary redox color
7 - 18	5Y 5/1	95	5YR 5/8	5	С	PL / M	Sandy Loam	
		-						
-								
-								
	-	-						
						-		
							2	
	oncentration, D=Dep	etion, RM:	=Reduced Matrix, MS	S=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil								ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface		(00) (cm Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be				148) C	oast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			47, 148)	_	(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye	,	F2)		_ P	iedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma		.0)			(MLRA 136, 147)
	ick (A10) (LRR N)	. (111)	Redox Dark S	•				ery Shallow Dark Surface (TF12)
	d Below Dark Surface ark Surface (A12)	(A11)	Depleted Dar Redox Depre				0	ther (Explain in Remarks)
	Aucky Mineral (S1) (L	DD N	Iron-Mangan			I DD N		
-	A 147, 148)	.KK N,	MLRA 13		55 (1 12) (LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa		MIRA 13	6 122)	3Ind	icators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					tland hydrology must be present,
-	Matrix (S6)		Red Parent N					ess disturbed or problematic.
	Layer (if observed):		red r drent n	naterial (i	21) (III ETC	A 121, 141	1	ess distarbed or problematio.
Type:	_ayo. (obco. roa).							
• • •	ahaa):						Hydric Soil	Present? Yes V No No
	ches):						Hydric Soil	rieseitt? Tes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania Sampling Date: 2025-03-31					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP491					
Investigator(s):KZ, MS Section, Township, Range:						
Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 3						
Subregion (LRR or MLRA): P 136 Lat: 36.78798264						
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent slopes, severely eroded NWI classification: N/A						
Are climatic / hydrologic conditions on the site typical for this time of year? Y	es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Yes No						
Hydric Soil Present? Yes No	Is the Sampled Area within a Wetland? Yes No ✓					
Wetland Hydrology Present? Yes No ✔	within a Wetland? Yes No					
Remarks:						
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soil) were observed at this location.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants (B14) Sparsely Vegetated Concave Surface (B8)					
High Water Table (A2) Hydrogen Sulfide Ode						
Saturation (A3) Oxidized Rhizosphere						
Water Marks (B1) Presence of Reduced						
Sediment Deposits (B2) Recent Iron Reductio						
Drift Deposits (B3) Thin Muck Surface (C						
Algal Mat or Crust (B4) Other (Explain in Ren						
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)	Geomorphic Position (D2) Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches):						
Saturation Present? Yes No Depth (inches):						
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						
No hydrology was observed at this data point.						
, 0,						

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Ulmus americana 30	22.5	Absolute	Dominant		Dominance Test worksheet:
Ulrus americana 30					
Total Number of Dominant Species Across All Strates Across Across All Strates Across All Strates Across All Strates Across Al	•				That Are OBL, FACW, or FAC: $\underline{2}$ (A)
Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/ or FAC: 50.0					Total Number of Dominant
Percent of Dominant Species So.00 (W FAC Solution Species Species Solution Species Species Solution Species S	3. Acer rubrum	12		FAC	Species Across All Strata: 4 (B)
That Are OBL, FACW, or FAC: 50.00 (AV 50.00 for the content of the	k <u></u> .				Percent of Dominant Species
Total Cover Sow of total cover: 38.50 20% of total cover: 15.40 20% of total cover: 20% 20% of	5				' 50.00
Total Cover Solve	S				Provalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15 ft r	7				
FACW species 30	20.50				
Carpinus caroliniana		20% of	total cover:	15.40	
FACU species 75 x 4 = 300 UPL species 0 x5 = 0 Column Totals: 150 (A) 495 (E Prevalence Index = B/A = 3.30 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index = B/A = 3.30 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index = B/A = 3.30 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 4 - Morphological Adaptations¹ (Provide support) 5 - FACU 5 - FACU 5 - FACU 5 - FACU Allium aparine 10 FACU 5 - FACU Allium vineale 3 FACU 5 - FACU 6 - FACU 7 - FACU 7 - FACU 8 - FACU 9 - Problematic Hydrophytic Vegetation Present? Provides with an 3.30 or 1.0 (Explain) 1 - Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6 - FACU 9 - FACU 1 - Morphological Adaptations¹ (Provide support) 1 - Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 6 - FACU 7 - FACU 8 - FACU 8 - FACU 8 - FACU 8 - FACU 9 - FACU 1 - Morphological Adaptations¹ (Provide support) 1 - Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1 - Indicators of hydric soil and wetland hydrology must be present, unless disturbed or	Sapling/Shrub Stratum (Plot size: 15 It I	10		EAC	EAC species 45 x 3 = 135
UPL species 0 x 5 = 0 Column Totals: 150 (A) 495 (E Prevalence Index = B/A = 3.30 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is \$3.0¹ 4 - Morphological Adaptations¹ (Provide supporti data in Remarks or on a separate sheety) Veronica hederifolia 15	-	10		FAC	
Column Totals: 150 (A) 495 (E Prevalence Index = B/A = 3.30 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is \$3.0^1 4 - Morphological Adaptations! (Provide support data in Remarks or on a separate sheet) 4 - Morphological Adaptations! (Provide support data in Remarks or on a separate sheet) 4 - Morphological Adaptations! (Provide support data in Remarks or on a separate sheet) 5 - Weronica hederifolia 15					
Prevalence Index = B/A = 3.30 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet) 25					
Hydrophytic Vegetation Indicators: 10 = Total Cover 200 of total cover: 5.00 10 = Total Cover 200 of total cover: 2.00					Column Totals. (A) (B)
Hydrophytic Vegetation Indicators: 10 = Total Cover 20% of total cover: 2.00 Solid Stratum (Plot size: 5 ft r			-		Prevalence Index = B/A = 3.30
10 = Total Cover 50% of total cover: 5.00 20% of total cover: 2.00 Lonicera japonica 25					Hydrophytic Vegetation Indicators:
10			-		1 - Rapid Test for Hydrophytic Vegetation
10					2 - Dominance Test is >50%
Sow of total cover: 5.00 20% of total cover: 2.00 20% of total cover: 2.00 4 - Morphological Adaptations' (Provide support data in Remarks or on a separate sheet))	10	-	-	3 - Prevalence Index is ≤3.0 ¹
data in Remarks or on a separate sheet) Lonicera japonica 25	500/ -54-4-1 500				4 - Morphological Adaptations ¹ (Provide supporting
Lonicera japonica 25		20% of	total cover:	2.00	data in Remarks or on a separate sheet)
Veronica hederifolia 3. Galium aparine 10. FACU 5. Smilax rotundifolia 10. FAC 5. Viola sororia 8. FAC 7. Allium vineale 10. FACU 8. Ligustrum sinense 2. FACU 10. Sapling/Shrub – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. 11. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 11. Sow of total cover: 39.00 12. Woody Vine Stratum (Plot size: 30 ft r 13. Ligustrum sinense 14. Suppose the present, unless disturbed or problematic. 15. Definitions of Four Vegetation Strata: 16. Tree – Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height. 18. Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 16. Woody Vine Stratum (Plot size: 30 ft r 17. Woody Vine Stratum (Plot size: 30 ft r 18. FACU 19. Tree – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 19. Woody Vine – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall. 19. Woody vine – All woody vines greater than 3.28 ft in height. 19. Hydrophytic Vegetation Present? Yes No Vegetation Present? Yes No Vegetation Present?		25	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
3 Galium aparine 4 Smilax rotundifolia 5 Viola sororia 8 FAC 5 Viola sororia 8 FAC 7 Allium vineale 8 Ligustrum sinense 9 Julium vineale 10 FAC 10 FAC 10 FAC 10 FAC 20 FAC 30 FAC 31 FACU 40 FAC 5 Viola sororia 7 Allium vineale 7 Allium vineale 8 FAC 10 FAC 11 FAC 11 FAC 12 FACU 13 FACU 14 FAC 15 FAC 16 FAC 16 FAC 17 FAC FAC 16 FAC 17 FAC FAC 18 FACU 18 FACU 19 FACU 19 FACU 10 FAC 11 FAC 10 FAC 11 FAC 10 FAC 11 FAC 11 FAC 12 FACU 13 FACU 14 FAC 15 FAC 16 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 17 FAC 16 FAC 17 FAC 16 FAC 17 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16 FAC 16 FAC 16 FAC 16 FAC 16 FAC 17 FAC 16				1,400	
Smilax rotundifolia	-,			FACIL	¹ Indicators of hydric soil and wetland hydrology must
Viola sororia 8			-		be present, unless disturbed or problematic.
Tree - Woody plants, excluding vines, 3 in. (7.6 cm) more in diameter at breast height (DBH), regardless height.	···				Definitions of Four Vegetation Strata:
Allium vineale 3 FACU 3 Ligustrum sinense 2 FACU 3 Ligustrum sinense 3 FACU 5 FACU 5 Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30 ft r) Moody Vine Stratum (Plot size: 30 ft r) Table 1			-		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
Ligustrum sinense 2 FACU Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall. Woody vine – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No V	·				more in diameter at breast height (DBH), regardless of
Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Temple T	•		-		height.
10	•		-	17100	Sapling/Shrub – Woody plants, excluding vines, less
Total Cover			-		
78 = Total Cover 50% of total cover: 39.00 20% of total cover: 15.60 Woody Vine Stratum (Plot size: 30 ft r)					iii) taii.
50% of total cover: 39.00 20% of total cover: 15.60 Woody Vine Stratum (Plot size: 30 ft r) 1.	11	70			Herb – All herbaceous (non-woody) plants, regardless
Woody Vine Stratum (Plot size: 30 ft r)	· · ·	70			or size, and woody plants less than 3.28 it tall.
		200/ of	total cover.	10.00	Woody vine – All woody vines greater than 3.28 ft in
2	50% of total cover: <u>39.00</u>	20% of			I hoight
3	50% of total cover: 39.00 Noody Vine Stratum (Plot size: 30 ft r)	20% of			rieigiit.
Hydrophytic Solution The state of the stat	50% of total cover: 39.00 Noody Vine Stratum (Plot size: 30 ft r)				neight.
Vegetation Present? Yes No _✓	50% of total cover: 39.00 Noody Vine Stratum (Plot size: 30 ft r) 1				neight.
= Total Cover	50% of total cover: 39.00 Noody Vine Stratum (Plot size: 30 ft r) 1				rieignt.
= 10tal Covel	50% of total cover: 39.00 Noody Vine Stratum (Plot size: 30 ft r) 1				Hydrophytic
50 % of total cover 20 % of total cover	50% of total cover: 39.00 Noody Vine Stratum (Plot size: 30 ft r)				Hydrophytic Vegetation
Remarks: (Include photo numbers here or on a separate sheet.)	50% of total cover: 39.00 Noody Vine Stratum (Plot size: 30 ft r) 1		= Total Cov	 er	Hydrophytic Vegetation

Profile Desc	ription: (Describe	to the depth	needed to document the ir	dicator or confirm	the absenc	e of indicators.)					
Depth	Matrix		Redox Features								
(inches)	Color (moist)	<u>%</u>	Color (moist) %	Type ¹ Loc ²	Texture	Remarks					
0 - 18	5YR 4/6	100			Sandy Clay Loam						
_											
		· ·									
-											
		·									
-											
		·									
		·									
		letion, RM=F	Reduced Matrix, MS=Masked	Sand Grains.		PL=Pore Lining, M=Matrix.					
Hydric Soil						cators for Problematic Hydric Soils ³ :					
Histosol			Dark Surface (S7)			2 cm Muck (A10) (MLRA 147)					
	oipedon (A2)		Polyvalue Below Surface		148)	Coast Prairie Redox (A16)					
Black Hi			Thin Dark Surface (S9)			(MLRA 147, 148)					
	n Sulfide (A4)		Loamy Gleyed Matrix (F	⁵ 2)		Piedmont Floodplain Soils (F19)					
	d Layers (A5)		Depleted Matrix (F3)			(MLRA 136, 147)					
	ick (A10) (LRR N)	(* 4 4)	Redox Dark Surface (F6			Very Shallow Dark Surface (TF12)					
	d Below Dark Surfac	e (A11)	Depleted Dark Surface		_	Other (Explain in Remarks)					
	ark Surface (A12)	DD N	Redox Depressions (F8								
	Mucky Mineral (S1) (I	LKK N,	Iron-Manganese Masse	S (F12) (LRR N,							
	147, 148)		MLRA 136)								
	Gleyed Matrix (S4)		Umbric Surface (F13) (MLRA 136, 122) Biodinant Floodelair Soile (F40) (MLRA 148)								
-	Redox (S5)		Piedmont Floodplain Soils (F19) (MLRA 148) wetland hydrology must be pre Red Parent Material (F21) (MLRA 127, 147) unless disturbed or problematic								
	Matrix (S6) Layer (if observed):		Reu Falelii Waleliai (F2	(IVILKA 127, 147) u	nless disturbed or problematic.					
• • •											
Depth (in	ches):				Hydric So	il Present? Yes No					
Remarks:											

Project/Site: Southeast Supply Enhancement Project City/C	County: Pittsylvania Sampling Date: 2025-03-31					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP492					
Investigator(s):KZ, MS Section	on, Township, Range:					
Landform (hillslope, terrace, etc.): Terrace Local rel						
Subregion (LRR or MLRA): P 136 Lat: 36.78803155 Long: -79.38478994 Datum: NAD 83						
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent						
Are climatic / hydrologic conditions on the site typical for this time of year? $^{}\!$	′es No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing san	npling point locations, transects, important features, etc.					
Hydrophytic Vegetation Present? Hydric Soil Present? Wetland Hydrology Present? Yes V No Yes No No Yes	Is the Sampled Area within a Wetland? Yes No					
All three wetland parameters (i.e. wetland hydrology, hydrophytic vegetation, and hydric soil) were observed at this data point.						
HYDROLOGY						
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)					
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)					
Surface Water (A1) True Aquatic Plants ((B14) Sparsely Vegetated Concave Surface (B8)					
✓ High Water Table (A2) — Hydrogen Sulfide Od						
✓ Saturation (A3) ✓ Oxidized Rhizospher	es on Living Roots (C3) Moss Trim Lines (B16)					
Water Marks (B1) Presence of Reduced	d Iron (C4) Dry-Season Water Table (C2)					
Sediment Deposits (B2) Recent Iron Reduction	on in Tilled Soils (C6) Crayfish Burrows (C8)					
Drift Deposits (B3) Thin Muck Surface (0						
Algal Mat or Crust (B4) Other (Explain in Rer						
Iron Deposits (B5)	✓ Geomorphic Position (D2)					
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)					
Water-Stained Leaves (B9)	Microtopographic Relief (D4)					
Aquatic Fauna (B13)	FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No Depth (inches):						
Water Table Present? Yes No Depth (inches): 0						
Saturation Present? Yes V No Depth (inches): 0	Wetland Hydrology Present? Yes No					
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:						
Remarks:						

Sampling	Point:	DP492

Remarks. (Include prioto numbers nere or on a separate si	ICCL.)				
50% of total cover: 20% of total cover: Remarks: (Include photo numbers here or on a separate sheet.)					
		= Total Cove		rieseiit! ies - NO	
5				Vegetation Present? Yes ✓ No	
4				Hydrophytic	
3					
2					
1					
Woody Vine Stratum (Plot size: 30 ft r)				height.	
50% of total cover: 16.00	20% of	total cover:	0.40	Woody vine – All woody vines greater than 3.28 ft in	
500/ - 51-1-1 16 00		= Total Cove		of size, and woody plants less than 3.28 ft tall.	
11				Herb – All herbaceous (non-woody) plants, regardless	
10				m) tall.	
9				than 3 in. DBH and greater than or equal to 3.28 ft (1	
8				Sapling/Shrub – Woody plants, excluding vines, less	
7. Lamium purpureum				height.	
6. Veronica hederifolia	2			more in diameter at breast height (DBH), regardless of	
5. Polystichum acrostichoides	3		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or	
4. Galium aparine	3			Definitions of Four Vegetation Strata:	
3. Viola sororia	3		FACU	be present, unless disturbed or problematic.	
2. Smilax rotundifolia	5		FAC	¹ Indicators of hydric soil and wetland hydrology must	
	8		FAC		
Herb Stratum (Plot size: 5 ft r) 1. Cardamine flexuosa	8	V	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)	
50% of total cover: 2.50	20% of	total cover:	1.00	data in Remarks or on a separate sheet)	
		= Total Cove		4 - Morphological Adaptations ¹ (Provide supporting	
9				✓ 3 - Prevalence Index is ≤3.0 ¹	
8				✓ 2 - Dominance Test is >50%	
7				1 - Rapid Test for Hydrophytic Vegetation	
6				Hydrophytic Vegetation Indicators:	
5				Prevalence Index = B/A = 2.88	
4				Column Totals: 117 (A) 337 (B)	
3				447	
2				UPL species 0 x 4 = 0 UPL species 0 UPL spec	
1. Carpinus caroliniana	5		FAC	FAC species 71 $\times 3 = 210$ FACU species 16 $\times 4 = 64$	
Sapling/Shrub Stratum (Plot size: 15 ft r)	E		EAC	FACW species $\frac{30}{71}$ $x = \frac{60}{213}$	
50% of total cover: 42.50	20% of	total cover:	17.00	00	
40.50		= Total Cove		OBL species 0 x 1 = 0	
7				Total % Cover of: Multiply by:	
6				Prevalence Index worksheet:	
5				That Are OBL, FACW, or FAC: 100.00 (A/B)	
4. Acer rubrum	5		FAC	Percent of Dominant Species	
3. Liriodendron tulipifera	10		FACU	Species Across All Strata: 6 (B)	
2. Ulmus americana	30		FACU	Total Number of Dominant	
1. Liquidambar styraciflua	40		FAC	That Are OBL, FACW, or FAC: 6 (A)	
,		Species?		Number of Dominant Species	
	Absolute	Dominant	Indicator	Dominance Test worksheet:	

US Army Corps of Engineers

Profile Desc	cription: (Describe	to the dep	th needed to docun	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix		Redo	x Feature	S			
(inches)	Color (moist)	<u></u> %	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	Remarks
0 - 18	2.5Y 5/1	70	5YR 4/4	20	С	PL / M	Sandy Loam	
0 - 18			5YR 5/8	10	С	PL / M		Secondary redox color
_								
					-			
								
-								
	-					· ——	-	
					-			
		· ——			-			
¹ Type: C=C	oncentration, D=Dep	letion, RM	=Reduced Matrix, MS	S=Masked	d Sand Gr	ains.		L=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							ators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A10) (MLRA 147)
Histic E	oipedon (A2)		Polyvalue Be	low Surfa	ce (S8) (N	/ILRA 147,	148) C	oast Prairie Redox (A16)
	stic (A3)		Thin Dark Su			147, 148)		(MLRA 147, 148)
	en Sulfide (A4)		Loamy Gleye		F2)		P	iedmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Mat					(MLRA 136, 147)
	uck (A10) (LRR N)	- (011)	Redox Dark S					ery Shallow Dark Surface (TF12)
	d Below Dark Surfac ark Surface (A12)	e (ATT)	Depleted Dar Redox Depre				0	ther (Explain in Remarks)
	Mucky Mineral (S1) (I	RR N	Iron-Mangan			I RR N		
	A 147, 148)		MLRA 13		00 (i 1 2) (
	Gleyed Matrix (S4)		Umbric Surfa		(MLRA 13	36, 122)	³ Indi	icators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					tland hydrology must be present,
Stripped	Matrix (S6)		Red Parent N	/laterial (F	21) (MLR	A 127, 147	7) unl	ess disturbed or problematic.
Restrictive	Layer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil	Present? Yes No
Remarks:								

Project/Site: Southeast Supply Enhancement Project City/Co	ounty: Pittsylvania Sampling Date: 2025-03-31						
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP493						
Investigator(s):KZ, MS Section, Township, Range:							
	Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 6						
Subregion (LRR or MLRA): P 136 Lat: 36.78806521							
Soil Map Unit Name: 5C3 - Clifford sandy clay loam, 7 to 15 percent							
Are climatic / hydrologic conditions on the site typical for this time of year? You	es No (If no, explain in Remarks.)						
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes No						
Are Vegetation, Soil, or Hydrology naturally problema							
SUMMARY OF FINDINGS – Attach site map showing sam							
Hydrophytic Vegetation Present? Yes No 🗸							
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V	Is the Sampled Area						
Wetland Hydrology Present?	within a Wetland? Yes No						
Remarks:							
None of the three wetland parameters (i.e., wetland hydrology, hydrophytic vegetation, or hydric soil) were observed at this data point.							
HYDROLOGY							
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)						
Primary Indicators (minimum of one is required; check all that apply)	Surface Soil Cracks (B6)						
Surface Water (A1) True Aquatic Plants (B	Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2) Hydrogen Sulfide Odd	or (C1) Drainage Patterns (B10)						
Saturation (A3) Oxidized Rhizosphere	es on Living Roots (C3) Moss Trim Lines (B16)						
Water Marks (B1) Presence of Reduced	Iron (C4) Dry-Season Water Table (C2)						
Sediment Deposits (B2) Recent Iron Reduction	n in Tilled Soils (C6) Crayfish Burrows (C8)						
Drift Deposits (B3) Thin Muck Surface (C							
Algal Mat or Crust (B4) Other (Explain in Rem							
Iron Deposits (B5)	Geomorphic Position (D2)						
Inundation Visible on Aerial Imagery (B7)	Shallow Aquitard (D3)						
Water-Stained Leaves (B9)	Microtopographic Relief (D4)						
Aquatic Fauna (B13)	FAC-Neutral Test (D5)						
Field Observations:							
Surface Water Present? Yes No Depth (inches):							
Water Table Present? Yes No Depth (inches):							
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes No						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:							
Remarks:							
No hydrology was observed at this data point.							

VEGETATION

	Absolute	Dominant	Indicator	Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r		Species?		Number of Dominant Species
Liriodendron tulipifera	30		FACU	That Are OBL, FACW, or FAC: 2 (A)
Liquidambar styraciflua	25		FAC	Total Number of Dominant
Quercus rubra	25		FACU	Species Across All Strata: 5 (B)
Carya tomentosa	5			Percent of Dominant Species
Quercus alba	5		FACU	That Are OBL, FACW, or FAC: 40.00 (A/B
<u>. </u>				Prevalence Index worksheet:
	90	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover: 45.00	20% of	total cover:	18.00	OBL species $0 \times 1 = 0$
apling/Shrub Stratum (Plot size: 15 ft r)				FACW species $0 \times 2 = 0$
Carpinus caroliniana	8		FAC	FAC species 43 x 3 = 129
<u>-</u>				FACU species <u>85</u> x 4 = <u>340</u>
				UPL species <u>8</u> x 5 = <u>40</u>
				Column Totals: <u>136</u> (A) <u>509</u> (B)
-				
				Prevalence Index = B/A = 3.74
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
·				2 - Dominance Test is >50%
	8	= Total Cov		3 - Prevalence Index is ≤3.0 ¹
50% of total cover: 4.00				4 - Morphological Adaptations ¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)	20 /0 01	total cover.		data in Remarks or on a separate sheet)
Veronica hederifolia	20	/		Problematic Hydrophytic Vegetation ¹ (Explain)
Lonicera japonica	20		FACU	
Smilax rotundifolia	10	·	FAC	¹ Indicators of hydric soil and wetland hydrology must
Stellaria media	8		UPL	be present, unless disturbed or problematic.
Ilex opaca	5		FACU	Definitions of Four Vegetation Strata:
·		· 	17100	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) o
		· 		more in diameter at breast height (DBH), regardless of
				height.
		· ——		Sapling/Shrub – Woody plants, excluding vines, less
<u>. </u>				than 3 in. DBH and greater than or equal to 3.28 ft (1
0				m) tall.
1		·		Herb – All herbaceous (non-woody) plants, regardless
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>31.50</u>	20% of	total cover:	12.60	Woody vine – All woody vines greater than 3.28 ft in
Voody Vine Stratum (Plot size: 30 ft r)				height.
		. <u></u>		
				Hydrophytic
				Vegetation
		= Total Cov	 er	Present? Yes No
50% of total cover:				

Profile Desc	ription: (Describe	to the depth	needed to docur	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature		. 2	- .	5
(inches) 0 - 3	Color (moist) 10YR 3/3	% 100	Color (moist)	%	Type ¹	Loc ²	Texture Silt Loam	Remarks
	-							
3 - 14	2.5Y 5/4	90					Sandy Loam	
3 - 14	10YR 4/3	10						Secondary matrix color
14 - 18	2.5Y 6/4	100					Sandy Clay Loam	
-								
_								
	oncentration, D=Dep	letion, RM=F	Reduced Matrix, MS	S=Masked	d Sand Gra	ains.		L=Pore Lining, M=Matrix.
Hydric Soil I			Dark Surface	(97)				ators for Problematic Hydric Soils ³ : cm Muck (A10) (MLRA 147)
Histosol	(AT) ipedon (A2)		Dark Surface		ce (S8) (N	ILRA 147.		Coast Prairie Redox (A16)
Black His			Thin Dark Su				, 0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye			•	P	Piedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Ma					(MLRA 136, 147)
	ck (A10) (LRR N)	(* ()	Redox Dark	•	,			/ery Shallow Dark Surface (TF12)
	l Below Dark Surface irk Surface (A12)	e (A11)	Depleted Dai		. ,		_ (Other (Explain in Remarks)
	lucky Mineral (S1) (L	.RR N.	Iron-Mangan			_RR N.		
-	147, 148)	- ,	MLRA 13		(· ·-/ (-	,		
	leyed Matrix (S4)		Umbric Surfa		(MLRA 13	6, 122)		licators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					etland hydrology must be present,
	Matrix (S6)		Red Parent N	Material (F	21) (MLR	A 127, 147	7) un	less disturbed or problematic.
	.ayer (if observed):							
Type:	ula a a V		<u> </u>				Unadaia Cail	Brasser Van Na V
Depth (inc	cnes):						Hydric Soil	Present? Yes No
Remarks:								

EXHIBIT 14 - PHOTOGRAPHS

	PH	OTO LOCAT	ION TABLE	
Photo ID	Latitude	Longitude	Nearest Milepost	Sheet #
1	36.5442	-79.6311	1387.1	2
2	36.5443	-79.6312	1387.1	2
3	36.5427	-79.6321	1387	2
4	36.5422	-79.6326	1386.9	2
5	36.5427	-79.6324	1387	2
6	36.5436	-79.6320	1387	2
7	36.5463	-79.6286	1387.3	2
8	36.5463	-79.6285	1387.3	2
9	36.5511	-79.6138	M-0402 1388.20	3
10	36.5510	-79.6138	M-0402 1388.20	3
11	36.5508	-79.6138	M-0402 1388.20	3
12	36.5508	-79.6142	M-0402 1388.20	3
13	36.5510	-79.6142	M-0402 1388.20	3
14	36.5511	-79.6146	M-0402 1388.20	3
15	36.6633	-79.5128	1397.8	10
16	36.6633	-79.5127	1397.8	10
17	36.6603	-79.5157	1397.5	10
18	36.6575	-79.5188	1397.2	10
19	36.7200	-79.4575	1402.8	14
20	36.7196	-79.4575	1402.7	14
21	36.7228	-79.4549	1403	14
22	36.7224	-79.4548	1403	14
23	36.7221	-79.4547	1403	14
24	36.7238	-79.4537	1403.1	14
25	36.7236	-79.4536	1403.1	14
26	36.7235	-79.4536	1403.1	14
27	36.7292	-79.4468	1403.6	15
28	36.7291	-79.4458	1403.7	15
29	36.7290	-79.4462	1403.6	15
30	36.7291	-79.4461	1403.6	15
31	36.7367	-79.4388	1404.3	15
32	36.7367	-79.4390	1404.3	15
33	36.7347	-79.4407	1404.1	15
34	36.7346	-79.4408	1404.1	15
35	36.7348	-79.4415	1404.1	15
36	36.7355	-79.4411	1404.2	15
37	36.6575	-79.5186	1397.2	10
38	36.5529	-79.6226	1387.9	2
39	36.5528	-79.6225	1387.9	2
40	36.7191	-79.4570	1402.7	14
41	36.6577	-79.5177	1397.3	10

43 36.6325 -79.5440 1395 8 44 36.6361 -79.5412 1395.3 8 45 36.6328 -79.5433 1395 8 46 36.6327 -79.5435 1395 8 47 36.6327 -79.5435 1395 8 48 36.5873 -79.5866 1391 5 49 36.5875 -79.5866 1391.1 5 50 36.5888 -79.5851 1391.2 5 51 36.5888 -79.5856 1391.2 5 52 36.5890 -79.5856 1391.2 5 53 36.5904 -79.5836 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5625 1392.6 6 59 36.6005 -79.5625 1392.6 6 60 36.6068		1			1
44 36.6361 -79.5411 1395.3 8 45 36.6361 -79.5412 1395.3 8 46 36.6328 -79.5435 1395 8 47 36.6327 -79.5435 1395 8 48 36.5873 -79.5866 1391 5 49 36.5875 -79.5866 1391.1 5 50 36.5888 -79.5851 1391.2 5 51 36.5888 -79.5853 1391.2 5 52 36.5890 -79.5836 1391.3 5 53 36.5905 -79.5836 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5633 1392.5 6 59 36.6006 -79.5625 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5681 1392.7 6 62 36.6062 -79.5681 <td>42</td> <td>36.6324</td> <td>-79.5440</td> <td>1395</td> <td>8</td>	42	36.6324	-79.5440	1395	8
45 36.6361 -79.5412 1395.3 8 46 36.6328 -79.5435 1395 8 47 36.6327 -79.5435 1395 8 48 36.5873 -79.5866 1391 5 49 36.5875 -79.5866 1391.1 5 50 36.5888 -79.5851 1391.2 5 51 36.5888 -79.5853 1391.2 5 52 36.5890 -79.5856 1391.2 5 53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5623 1392.6 6 59 36.6006 -79.5625 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069	43	36.6325	-79.5440	1395	8
46 36.6328 -79.5433 1395 8 47 36.6327 -79.5435 1395 8 48 36.5873 -79.5866 1391 5 49 36.5875 -79.5866 1391.1 5 50 36.5888 -79.5851 1391.2 5 51 36.5888 -79.5853 1391.2 5 52 36.5890 -79.5836 1391.3 5 53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5625 1392.6 6 59 36.6006 -79.5625 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5681 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6029 -79.5673 <td>44</td> <td>36.6361</td> <td>-79.5411</td> <td>1395.3</td> <td>8</td>	44	36.6361	-79.5411	1395.3	8
47 36.6327 -79.5435 1395 8 48 36.5873 -79.5866 1391.1 5 49 36.5875 -79.5866 1391.1 5 50 36.5888 -79.5851 1391.2 5 51 36.5888 -79.5853 1391.2 5 52 36.5890 -79.5856 1391.2 5 53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5625 1392.6 6 59 36.6006 -79.5625 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5681 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6029 -79.5673 1392.5 6 67 36.5998 -79.5671	45	36.6361	-79.5412	1395.3	8
48 36.5873 -79.5866 1391.1 5 49 36.5875 -79.5866 1391.1 5 50 36.5888 -79.5851 1391.2 5 51 36.5888 -79.5853 1391.2 5 52 36.5890 -79.5856 1391.2 5 53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5625 1392.6 6 59 36.6006 -79.5625 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6065 -79.5681 1392.7 6 64 36.6029 -79.5673 1392.5 6 67 36.5998 -79.56	46	36.6328	-79.5433	1395	8
49 36.5875 -79.5866 1391.1 5 50 36.5888 -79.5851 1391.2 5 51 36.5888 -79.5853 1391.2 5 52 36.5890 -79.5856 1391.2 5 53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5625 1392.6 6 59 36.6006 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6065 -79.5681 1392.7 6 64 36.6029<	47	36.6327	-79.5435	1395	8
50 36.5888 -79.5851 1391.2 5 51 36.5888 -79.5853 1391.2 5 52 36.5890 -79.5856 1391.2 5 53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5633 1392.5 6 58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6065 -79.5681 1392.7 6 64 36.6029 -79.5673 1392.5 6 67 36.5998<	48	36.5873	-79.5866	1391	5
51 36.5888 -79.5853 1391.2 5 52 36.5890 -79.5856 1391.2 5 53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5633 1392.5 6 58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5626 1392.6 6 61 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 67 36.5998<	49	36.5875	-79.5866	1391.1	5
52 36.5890 -79.5856 1391.2 5 53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5623 1392.5 6 58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5626 1392.6 6 60 36.6068 -79.5626 1392.6 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6062 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 67 36.5998<	50	36.5888	-79.5851	1391.2	5
53 36.5904 -79.5835 1391.3 5 54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5633 1392.5 6 58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5624 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6062 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999<	51	36.5888	-79.5853	1391.2	5
54 36.5905 -79.5836 1391.3 5 55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5633 1392.5 6 58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5626 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5681 1392.7 6 65 36.6029 -79.5681 1392.7 6 66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999<	52	36.5890	-79.5856	1391.2	5
55 36.5939 -79.5798 1391.6 5 56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5633 1392.5 6 58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5681 1392.7 6 65 36.6029 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 67 36.5998 -79.5673 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6031<	53	36.5904	-79.5835	1391.3	5
56 36.5937 -79.5798 1391.6 5 57 36.6005 -79.5633 1392.5 6 58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5998 -79.5651 1392.4 6 69 36.6031 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6035<	54	36.5905	-79.5836	1391.3	5
57 36.6005 -79.5633 1392.5 6 58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6031 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 74 36.5988 -79.57	55	36.5939	-79.5798	1391.6	5
58 36.6007 -79.5625 1392.6 6 59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.7 6 66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5706 1392.5 6 72 36.6035 -79.5707 1392.5 6 74 36.5988<	56	36.5937	-79.5798	1391.6	5
59 36.6006 -79.5626 1392.6 6 60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	57	36.6005	-79.5633	1392.5	6
60 36.6068 -79.5684 1392.7 6 61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 66 36.5998 -79.5651 1392.4 6 67 36.5998 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	58	36.6007	-79.5625	1392.6	6
61 36.6069 -79.5684 1392.7 6 62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	59	36.6006	-79.5626	1392.6	6
62 36.6062 -79.5681 1392.7 6 63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 66 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	60	36.6068	-79.5684	1392.7	6
63 36.6060 -79.5681 1392.7 6 64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	61	36.6069	-79.5684	1392.7	6
64 36.6065 -79.5681 1392.7 6 65 36.6029 -79.5673 1392.5 6 66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	62	36.6062	-79.5681	1392.7	6
65 36.6029 -79.5673 1392.5 6 66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	63	36.6060	-79.5681	1392.7	6
66 36.6028 -79.5673 1392.5 6 67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	64	36.6065	-79.5681	1392.7	6
67 36.5998 -79.5651 1392.4 6 68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	65	36.6029	-79.5673	1392.5	6
68 36.5999 -79.5651 1392.4 6 69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	66	36.6028	-79.5673	1392.5	6
69 36.6081 -79.5674 1392.8 6 70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	67	36.5998	-79.5651	1392.4	6
70 36.6039 -79.5710 1392.5 6 71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	68	36.5999	-79.5651	1392.4	6
71 36.6040 -79.5710 1392.5 6 72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	69	36.6081	-79.5674	1392.8	6
72 36.6035 -79.5706 1392.5 6 73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	70	36.6039	-79.5710	1392.5	6
73 36.6035 -79.5707 1392.5 6 74 36.5988 -79.5745 1392.1 6	71	36.6040	-79.5710	1392.5	6
74 36.5988 -79.5745 1392.1 6	72	36.6035	-79.5706	1392.5	6
	73	36.6035	-79.5707	1392.5	6
	74	36.5988	-79.5745	1392.1	6
75 36.5989 -79.5744 1392.1 6	75	36.5989	-79.5744	1392.1	6
76 36.5987 -79.5743 1392.1 6	76	36.5987	-79.5743	1392.1	6
77 36.6019 -79.5669 1392.5 6	77	36.6019	-79.5669	1392.5	6
78 36.6018 -79.5668 1392.5 6	78	36.6018	-79.5668	1392.5	6
79 36.5960 -79.5772 1391.8 5	79	36.5960	-79.5772	1391.8	5
80 36.5961 -79.5773 1391.8 5	80	36.5961	-79.5773	1391.8	5
81 36.5958 -79.5772 1391.8 5	81	36.5958	-79.5772	1391.8	5
82 36.5953 -79.5789 1391.7 5	82	36.5953	-79.5789	1391.7	5
83 36.6137 -79.5629 M-0402 1393.30 7	83	36.6137	-79.5629	M-0402 1393.30	7
84 36.6138 -79.5629 M-0402 1393.30 7	84	36.6138	-79.5629	M-0402 1393.30	7
85 36.6139 -79.5620 M-04021393.30 7	85	36.6139	-79.5620	M-0402 1393.30	7

86 36.6139 -79.5620 M-0402 1393.30 7 87 36.6143 -79.5615 M-0402 1393.40 7 88 36.6143 -79.5616 M-0402 1393.40 7 89 36.6173 -79.5597 M-0402 1393.60 7 90 36.6172 -79.5598 M-0402 1393.60 7 91 36.6234 -79.5532 1394.2 7 92 36.6234 -79.5531 1394.2 7 93 36.6257 -79.5507 1394.4 7 94 36.6261 -79.5507 1394.4 7 95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	7
88 36.6143 -79.5616 M-0402 1393.40 7 89 36.6173 -79.5597 M-0402 1393.60 7 90 36.6172 -79.5598 M-0402 1393.60 7 91 36.6234 -79.5532 1394.2 7 92 36.6234 -79.5531 1394.2 7 93 36.6257 -79.5507 1394.4 7 94 36.6261 -79.5507 1394.4 7 95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	7
89 36.6173 -79.5597 M-0402 1393.60 7 90 36.6172 -79.5598 M-0402 1393.60 7 91 36.6234 -79.5532 1394.2 7 92 36.6234 -79.5531 1394.2 7 93 36.6257 -79.5507 1394.4 7 94 36.6261 -79.5507 1394.4 7 95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	· · · · · · · · · · · · · · · · · · ·
90 36.6172 -79.5598 M-0402 1393.60 7 91 36.6234 -79.5532 1394.2 7 92 36.6234 -79.5531 1394.2 7 93 36.6257 -79.5507 1394.4 7 94 36.6261 -79.5507 1394.4 7 95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	7
91 36.6234 -79.5532 1394.2 7 92 36.6234 -79.5531 1394.2 7 93 36.6257 -79.5507 1394.4 7 94 36.6261 -79.5507 1394.4 7 95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	, , , , , , , , , , , , , , , , , , ,
92 36.6234 -79.5531 1394.2 7 93 36.6257 -79.5507 1394.4 7 94 36.6261 -79.5507 1394.4 7 95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	; ; ;
93 36.6257 -79.5507 1394.4 7 94 36.6261 -79.5507 1394.4 7 95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	; ; ;
94 36.6261 -79.5507 1394.4 7 95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	}
95 36.6256 -79.5505 1394.4 7 96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	3
96 36.6280 -79.5483 1394.6 8 97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	}
97 36.6281 -79.5482 1394.6 8 98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	}
98 36.6286 -79.5486 1394.6 8 99 36.6371 -79.5380 1395.4 8	
99 36.6371 -79.5380 1395.4 8	}
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100 36.6372 -79.5379 1395.4 8	3
101 36.6418 -79.5338 1395.8 9)
102 36.6418 -79.5338 1395.8 9)
103 36.7171 -79.4597 1402.5 14	4
104 36.7175 -79.4600 1402.5 14	4
105 36.6430 -79.5322 1396 9)
106 36.6429 -79.5320 1396 9)
107 36.6427 -79.5320 1395.9 9)
108 36.7125 -79.4646 1402.1 14	4
109 36.7075 -79.4682 1401.7 13	3
110 36.7075 -79.4683 1401.7 13	3
111 36.6521 -79.5224 1396.8 9)
112 36.6521 -79.5223 1396.8 9)
113 36.6520 -79.5223 1396.8 9)
114 36.6518 -79.5235 1396.8 9)
115 36.6518 -79.5235 1396.8 9)
116 36.7063 -79.4701 1401.6 13	3
117 36.7061 -79.4699 1401.6 13	3
118 36.7061 -79.4698 1401.6 13	3
119 36.7019 -79.4735 1401.2 13	3
120 36.7024 -79.4738 1401.2 13	3
121 36.7021 -79.4735 1401.2 13	3
122 36.6997 -79.4770 1401 13	3
123 36.6988 -79.4768 1400.9 13	3
124 36.6989 -79.4769 1400.9 13	3
125 36.6916 -79.4847 1400.3 12	2
126 36.6897 -79.4866 1400.1 12	2
127 36.6895 -79.4865 1400.1 12	2
128 36.7708 -79.4030 M-0307 1407.50 18	8
129 36.7737 -79.4034 1407.4 18	

130	36.7735	-79.4034	1407.4	18
131	36.7735	-79.4023	M-0307 1407.60	18
132	36.7735	-79.4023	M-0307 1407.60	18
133	36.7733	-79.4007	M-0307 1407.60	18
134	36.7733	-79.4007	M-0307 1407.60	18
135	36.7660	-79.4096	1406.9	17
136	36.7684	-79.4084	1407.1	17
137	36.7733	-79.3985	M-0307 1407.70	18
138	36.7734	-79.3989	M-0307 1407.70	18
139	36.7734	-79.3989	M-0307 1407.70	18
140	36.7686	-79.4086	1407.1	17
141	36.7632	-79.4143	1406.6	17
142	36.7628	-79.4150	1406.5	17
143	36.7629	-79.4148	1406.6	17
144	36.7628	-79.4147	1406.6	17
145	36.7623	-79.4145	1406.5	17
146	36.7745	-79.4008	M-0307 1407.70	18
147	36.7744	-79.4003	M-0307 1407.70	18
148	36.7606	-79.4168	1406.4	17
149	36.7609	-79.4165	1406.4	17
150	36.7604	-79.4171	1406.3	17
151	36.7602	-79.4176	1406.3	17
152	36.7603	-79.4177	1406.3	17
153	36.7750	-79.3991	M-0307 1407.70	18
154	36.7744	-79.3986	M-0307 1407.70	18
155	36.7743	-79.3994	M-0307 1407.70	18
156	36.7598	-79.4182	1406.3	17
157	36.7598	-79.4185	1406.3	17
158	36.7602	-79.4212	1406.2	17
159	36.7595	-79.4176	1406.3	17
160	36.7594	-79.4175	1406.3	17
161	36.7597	-79.4178	1406.3	17
162	36.7533	-79.4245	1405.7	16
163	36.7533	-79.4242	1405.7	16
164	36.6684	-79.5081	1398.2	10
165	36.6684	-79.5080	1398.2	10
166	36.7887	-79.3880	M-0437 1409.60	20
167	36.7884	-79.3881	M-0437 1409.50	20
168	36.6683	-79.5074	1398.2	10,11
169	36.6682	-79.5074	1398.2	10
170	36.6735	-79.5020	1398.7	11
171	36.6739	-79.5023	1398.7	11
172	36.6737	-79.5020	1398.7	11
173	36.6737	-79.5014	1398.7	11

174 36.6825 -79.4933 1399.5 11, 175 36.7872 -79.3810 M-0437 1409.40 2 176 36.7872 -79.3810 M-0437 1409.40 2 177 36.8067 -79.3660 1410.7 2 178 36.8035 -79.3691 1410.4 2 179 36.8034 -79.3691 1410.4 2 180 36.7463 -79.4301 1405.1 1 181 36.7462 -79.4302 1405.1 1 182 36.8086 -79.3641 1410.9 2 183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2 187 36.8107 -79.3610 1411.1 2	0 0 1 1
176 36.7872 -79.3810 M-0437 1409.40 2 177 36.8067 -79.3660 1410.7 2 178 36.8035 -79.3691 1410.4 2 179 36.8034 -79.3691 1410.4 2 180 36.7463 -79.4301 1405.1 1 181 36.7462 -79.4302 1405.1 1 182 36.8086 -79.3641 1410.9 2 183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	0 1 1
177 36.8067 -79.3660 1410.7 2 178 36.8035 -79.3691 1410.4 2 179 36.8034 -79.3691 1410.4 2 180 36.7463 -79.4301 1405.1 1 181 36.7462 -79.4302 1405.1 1 182 36.8086 -79.3641 1410.9 2 183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	1 1 1
178 36.8035 -79.3691 1410.4 2 179 36.8034 -79.3691 1410.4 2 180 36.7463 -79.4301 1405.1 1 181 36.7462 -79.4302 1405.1 1 182 36.8086 -79.3641 1410.9 2 183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	1 1
179 36.8034 -79.3691 1410.4 2 180 36.7463 -79.4301 1405.1 1 181 36.7462 -79.4302 1405.1 1 182 36.8086 -79.3641 1410.9 2 183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	1
180 36.7463 -79.4301 1405.1 1 181 36.7462 -79.4302 1405.1 1 182 36.8086 -79.3641 1410.9 2 183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	
181 36.7462 -79.4302 1405.1 1 182 36.8086 -79.3641 1410.9 2 183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	6
182 36.8086 -79.3641 1410.9 2 183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	
183 36.8086 -79.3634 1410.9 2 184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	6
184 36.8088 -79.3633 1410.9 2 185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	1
185 36.8116 -79.3602 1411.2 2 186 36.8118 -79.3603 1411.2 2	1
186 36.8118 -79.3603 1411.2 2	1
	2
187 36.8107 -79.3610 1411.1 2	2
	2
188 36.8164 -79.3543 M-0402 1411.70 2	2
189 36.8164 -79.3545 M-0402 1411.70 2	2
190 36.8203 -79.3511 M-0402 1412.00 2	2
191 36.8203 -79.3511 M-0402 1412.00 2	2
192 36.5870 -79.5870 1391 5	5
193 36.5872 -79.5870 1391 5	5
194 36.5845 -79.5898 1390.8 5	5
195 36.5843 -79.5899 1390.8 5	5
196 36.5846 -79.5902 1390.8 5	5
197 36.5825 -79.5918 M-0402 1390.60 5	5
198 36.5825 -79.5919 M-0402 1390.60 4,	,5
199 36.8240 -79.3473 M-03121412.40 2	3
200 36.8239 -79.3474 M-03121412.40 2	3
201 36.8239 -79.3473 M-0312 1412.40 2	3
202 36.8362 -79.3335 1413.29 2	3
203 36.8361 -79.3337 1413.29 2	3
204 36.5579 -79.6167 M-0402 1388.40 3	3
205 36.5583 -79.6162 M-0402 1388.40 3	3
206 36.5565 -79.6187 M-0402 1388.20 3	3
207 36.5570 -79.6179 M-0402 1388.30 3	3
208 36.5613 -79.6131 1388.7 3	3
209 36.5613 -79.6130 1388.7 3	3
210 36.5693 -79.6042 1389.4 4	1
211 36.5694 -79.6043 1389.4 4	1
212 36.5662 -79.6016 1389.3	1
213 36.5664 -79.6009 1389.4	1
214 36.8353 -79.3343 1413.29 2	3
215 36.8351 -79.3344 1413.29 2	
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219 36.5724 -79.6018 1389.7 4 220 36.7721 -79.3953 M-0307 1407.90 19 221 36.7719 -79.3951 M-0307 1407.90 19 222 36.8360 -79.3342 1413.29 23 223 36.5758 -79.5985 1390 4 224 36.5766 -79.5987 1389.9 4 225 36.5762 -79.5972 1390 4 226 36.5762 -79.5974 1390 4 227 36.5767 -79.5974 1390 4 228 36.8359 -79.3339 1413.29 23 230 36.8355 -79.3340 1413.29 23 231 36.8358 -79.3326 1413.29 23 232 36.8358 -79.3326 1413.29 23 233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23					
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221 36.7719 -79.3951 M-0307 1407.90 19 222 36.8360 -79.3342 1413.29 23 223 36.5758 -79.5985 1390 4 224 36.5766 -79.5972 1390 4 225 36.5762 -79.5974 1390 4 226 36.5767 -79.5974 1390 4 227 36.5767 -79.5974 1390 4 228 36.8359 -79.3340 1413.29 23 230 36.8355 -79.3340 1413.29 23 231 36.8358 -79.3326 1413.29 23 231 36.8358 -79.3326 1413.29 23 232 36.8366 -79.3350 1413.29 23 233 36.8365 -79.3350 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23					-
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225 36.5762 -79.5972 1390 4 226 36.5762 -79.5974 1390 4 227 36.5767 -79.5974 1390 4 228 36.8359 -79.3339 1413.29 23 229 36.8357 -79.3340 1413.29 23 230 36.8355 -79.3341 1413.29 23 231 36.8358 -79.3326 1413.29 23 232 36.8358 -79.3326 1413.29 23 233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8366 -79.3329 1413.29 23 236 36.8336 -79.3350 1413.29 23 237 36.8355 -79.3353 1413.29 23 238 36.8356 -79.3354 1413.29 23 239 36.8296 -79.3421 1412.8 23	223	36.5758	-79.5985	1390	4
226 36.5762 -79.5974 1390 4 227 36.5767 -79.5974 1390 4 228 36.8359 -79.3339 1413.29 23 229 36.8355 -79.3340 1413.29 23 230 36.8355 -79.3341 1413.29 23 231 36.8358 -79.3326 1413.29 23 232 36.8358 -79.3326 1413.29 23 233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8366 -79.3329 1413.29 23 236 36.8336 -79.3329 1413.29 23 237 36.8356 -79.3353 1413.29 23 238 36.8356 -79.3354 1413.29 23 239 36.8296 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23	224	36.5756	-79.5987	1389.9	4
227 36.5767 -79.5974 1390 4 228 36.8359 -79.3339 1413.29 23 229 36.8357 -79.3340 1413.29 23 230 36.8355 -79.3326 1413.29 23 231 36.8358 -79.3326 1413.29 23 232 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23 236 36.8366 -79.3329 1413.29 23 237 36.8336 -79.3350 1413.29 23 238 36.8355 -79.3351 1413.29 23 239 36.8356 -79.3353 1413.29 23 239 36.8296 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3421 1412.8 23	225	36.5762	-79.5972	1390	4
228 36.8359 -79.3339 1413.29 23 229 36.8357 -79.3340 1413.29 23 230 36.8355 -79.3326 1413.29 23 231 36.8358 -79.3326 1413.29 23 232 36.8358 -79.3326 1413.29 23 233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23 236 36.8336 -79.3329 1413.29 23 237 36.8336 -79.3353 1413.29 23 238 36.8355 -79.3354 1413.29 23 239 36.8296 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3418 1412.9 23 243 36.8298 -79.3418 1412.9 23	226	36.5762	-79.5974	1390	4
229 36.8357 -79.3340 1413.29 23 230 36.8355 -79.3341 1413.29 23 231 36.8358 -79.3326 1413.29 23 232 36.8358 -79.3326 1413.29 23 233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23 236 36.8336 -79.3329 1413.29 23 237 36.8336 -79.3353 1413.29 23 238 36.8356 -79.3354 1413.29 23 239 36.8356 -79.3354 1413.29 23 239 36.8296 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23	227	36.5767	-79.5974	1390	4
230 36.8355 -79.3341 1413.29 23 231 36.8358 -79.3326 1413.29 23 232 36.8358 -79.3325 1413.29 23 233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23 236 36.8366 -79.3329 1413.29 23 237 36.8336 -79.3329 1413.29 23 238 36.8355 -79.3353 1413.29 23 239 36.8356 -79.3354 1413.29 23 239 36.8296 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3421 1412.8 23 242 36.8287 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23	228	36.8359	-79.3339	1413.29	23
231 36.8358 -79.3326 1413.29 23 232 36.8358 -79.3326 1413.29 23 233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23 236 36.8336 -79.3329 1413.29 23 237 36.8336 -79.3353 1413.29 23 238 36.8355 -79.3353 1413.29 23 239 36.8356 -79.3354 1413.29 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3421 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3418 1412.9 23 245 36.7415 -79.4339 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.70 16	229	36.8357	-79.3340	1413.29	23
232 36.8358 -79.3325 1413.29 23 233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23 236 36.8336 -79.3329 1413.29 23 237 36.8336 -79.3353 1413.29 23 238 36.8355 -79.3354 1413.29 23 239 36.8356 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3421 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3418 1412.9 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4341 M-0388 1404.70 16 </td <td>230</td> <td>36.8355</td> <td>-79.3341</td> <td>1413.29</td> <td>23</td>	230	36.8355	-79.3341	1413.29	23
233 36.8357 -79.3326 1413.29 23 234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23 236 36.8336 -79.3329 1413.29 23 237 36.8336 -79.3365 1413.29 23 238 36.8356 -79.3353 1413.29 23 239 36.8356 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3423 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8289 -79.3418 1412.9 23 244 36.8280 -79.3418 1412.8 23 244 36.8280 -79.3418 1412.8 23 245 36.7416 -79.4342 M-0388 1404.70 16 246 36.7416 -79.4341 M-0388 1404.70 16 <td>231</td> <td>36.8358</td> <td>-79.3326</td> <td>1413.29</td> <td>23</td>	231	36.8358	-79.3326	1413.29	23
234 36.8366 -79.3350 1413.29 23 235 36.8365 -79.3350 1413.29 23 236 36.8336 -79.3329 1413.29 23 237 36.8336 -79.3365 1413.29 23 238 36.8356 -79.3354 1413.29 23 239 36.8356 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3423 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3398 1413 23 250 36.8314 -79.3401 1413 23	232	36.8358	-79.3325	1413.29	23
235 36.8365 -79.3350 1413.29 23 236 36.8336 -79.3329 1413.29 23 237 36.8336 -79.3365 1413.29 23 238 36.8355 -79.3353 1413.29 23 239 36.8356 -79.3421 1412.8 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3423 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 250 36.8314 -79.3401 1413 23 <	233	36.8357	-79.3326	1413.29	23
236 36.8336 -79.3329 1413.29 23 237 36.8336 -79.3365 1413.29 23 238 36.8355 -79.3353 1413.29 23 239 36.8356 -79.3354 1413.29 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3423 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23	234	36.8366	-79.3350	1413.29	23
237 36.8336 -79.3365 1413.29 23 238 36.8355 -79.3353 1413.29 23 239 36.8356 -79.3421 1412.8 23 240 36.8288 -79.3421 1412.8 23 241 36.8287 -79.3421 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8313 -79.3407 1413 23 253 36.8313 -79.3373 1413 23 <td< td=""><td>235</td><td>36.8365</td><td>-79.3350</td><td>1413.29</td><td>23</td></td<>	235	36.8365	-79.3350	1413.29	23
238 36.8355 -79.3353 1413.29 23 239 36.8356 -79.3354 1413.29 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3423 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3373 1413 23 254 36.8295 -79.3373 1413 23 2	236	36.8336	-79.3329	1413.29	23
239 36.8356 -79.3354 1413.29 23 240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3423 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256<	237	36.8336	-79.3365	1413.29	23
240 36.8296 -79.3421 1412.8 23 241 36.8288 -79.3423 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3407 1413 23 253 36.8297 -79.3373 1413 23 254 36.8297 -79.3373 1413 23 255 36.5512 -79.6181 1387.9 2 258 <td>238</td> <td>36.8355</td> <td>-79.3353</td> <td>1413.29</td> <td>23</td>	238	36.8355	-79.3353	1413.29	23
241 36.8288 -79.3423 1412.8 23 242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3407 1413 23 253 36.8297 -79.3373 1413 23 254 36.8295 -79.3373 1413 23 255 36.8295 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 <t< td=""><td>239</td><td>36.8356</td><td>-79.3354</td><td>1413.29</td><td>23</td></t<>	239	36.8356	-79.3354	1413.29	23
242 36.8287 -79.3421 1412.8 23 243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3407 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6182 1387.9 2	240	36.8296	-79.3421	1412.8	23
243 36.8298 -79.3418 1412.9 23 244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3407 1413 23 253 36.8297 -79.3373 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5509 -79.6153 1388 3	241	36.8288	-79.3423	1412.8	23
244 36.8280 -79.3416 1412.8 23 245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3495 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5509 -79.6153 1388 3	242	36.8287	-79.3421	1412.8	23
245 36.7415 -79.4339 M-0388 1404.70 16 246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3407 1413 23 253 36.8297 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5509 -79.6153 1388 3	243	36.8298	-79.3418	1412.9	23
246 36.7416 -79.4342 M-0388 1404.70 16 247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3395 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	244	36.8280	-79.3416	1412.8	23
247 36.7417 -79.4341 M-0388 1404.80 16 248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3395 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	245	36.7415	-79.4339	M-0388 1404.70	16
248 36.8309 -79.3388 1413 23 249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3395 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	246	36.7416	-79.4342	M-0388 1404.70	16
249 36.8309 -79.3390 1413 23 250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3395 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	247	36.7417	-79.4341	M-0388 1404.80	16
250 36.8314 -79.3401 1413 23 251 36.8312 -79.3403 1413 23 252 36.8313 -79.3395 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	248	36.8309	-79.3388	1413	23
251 36.8312 -79.3403 1413 23 252 36.8313 -79.3395 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	249	36.8309	-79.3390	1413	23
252 36.8313 -79.3395 1413 23 253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	250	36.8314	-79.3401	1413	23
253 36.8313 -79.3407 1413 23 254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	251	36.8312	-79.3403	1413	23
254 36.8297 -79.3373 1413 23 255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	252	36.8313	-79.3395	1413	23
255 36.8295 -79.3373 1413 23 256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	253	36.8313	-79.3407	1413	23
256 36.7746 -79.3986 M-0307 1407.70 18 257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	254	36.8297	-79.3373	1413	23
257 36.5512 -79.6181 1387.9 2 258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	255	36.8295	-79.3373	1413	23
258 36.5512 -79.6182 1387.9 2 259 36.5509 -79.6153 1388 3	256	36.7746	-79.3986	M-0307 1407.70	18
259 36.5509 -79.6153 1388 3	257	36.5512	-79.6181	1387.9	2
	258	36.5512	-79.6182	1387.9	2
	259	36.5509	-79.6153	1388	3
260 36.5511 -/9.6152 1388 3	260	36.5511	-79.6152	1388	3
261 36.6637 -79.5112 1397.9 10	261	36.6637	-79.5112	1397.9	10

	36.6628	70 5122	1207.0	
000	00.00_0	-79.5122	1397.8	10
263	36.6627	-79.5122	1397.8	10
264	36.6631	-79.5120	1397.8	10
265	36.6632	-79.5120	1397.8	10
266	36.6599	-79.5164	1397.4	10
267	36.6599	-79.5165	1397.4	10
268	36.6578	-79.5174	1397.3	10
269	36.7193	-79.4573	1402.7	14
270	36.7192	-79.4573	1402.7	14
271	36.7187	-79.4569	1402.7	14
272	36.7188	-79.4569	1402.7	14
273	36.7192	-79.4571	1402.7	14
278	36.5520	-79.6233	1387.8	2
282	36.5567	-79.6179	M-0402 1388.30	3
287	36.5659	-79.6080	1389.1	3
290	36.5737	-79.6002	1389.8	4
293	36.5766	-79.5973	1390.1	4
296	36.5857	-79.5884	1390.9	5
301	36.5904	-79.5836	1391.3	5
304	36.5963	-79.5774	1391.8	5
311	36.6070	-79.5684	1392.7	6
318	36.6283	-79.5484	1394.6	8
321	36.6326	-79.5440	1395	8
326	36.6383	-79.5369	1395.5	8
329	36.6376	-79.5375	1395.5	8
334	36.6426	-79.5320	1395.9	9
337	36.6434	-79.5315	1396	9
342	36.6681	-79.5081	1398.2	10
349	36.6818	-79.4976	1399.3	11
354	36.6934	-79.4831	1400.4	12
359	36.7189	-79.4569	1402.7	14
364	36.7349	-79.4410	1404.1	15
369	36.7528	-79.4246	1405.7	16
374	36.7574	-79.4199	1406.1	17
393	36.8162	-79.3539	M-0402 1411.70	22
398	36.8282	-79.3429	1412.7	23
401	36.8278	-79.3410	1412.8	23
404	36.8302	-79.3423	1412.9	23
407	36.8305	-79.3379	1413	23
418	36.8276	-79.3404	1412.8	23
419	36.7763	-79.3990	M-0307 1407.70	18
420	36.7887	-79.3869	M-0437 1409.60	20
421	36.7720	-79.3959	M-0307 1407.90	19
422 3	36.7073	-79.4730	1401.5	13

423	36.7842	-79.3961	M-0307 1408.70	18
425	36.5511	-79.6159	1388	3
426	36.5511	-79.6166	1388	2,3
427	36.5526	-79.6225	1387.9	2
428	36.5573	-79.6172	M-0402 1388.30	3
429	36.5659	-79.6081	1389.1	3
430	36.5659	-79.6083	1389.1	3
431	36.5675	-79.6057	1389.3	3
432	36.5846	-79.5900	1390.8	5
433	36.6682	-79.5080	1398.2	10
434	36.6918	-79.4835	1400.3	12
435	36.6912	-79.4838	1400.3	12
436	36.7757	-79.3990	M-0307 1407.70	18
437	36.7580	-79.4188	1406.2	17
438	36.7580	-79.4187	1406.2	17
439	36.7573	-79.4199	1406.1	17
440	36.8234	-79.3473	M-0312 1412.30	22
441	36.5716	-79.6027	1389.6	4
442	36.5737	-79.5996	1389.8	4
443	36.5761	-79.5983	1390	4
444	36.5775	-79.5965	1390.1	4
445	36.8185	-79.3526	M-0402 1411.90	22
446	36.7713	-79.4028	M-0307 1407.50	18
447	36.7723	-79.3967	M-0307 1407.80	19
448	36.7731	-79.3980	M-0307 1407.80	18,19
449	36.5992	-79.5782	1392	6
450	36.5990	-79.5769	1392	6
451	36.5988	-79.5759	1392	6
452	36.5992	-79.5774	1392	6
453	36.7721	-79.3969	M-0307 1407.80	19
454	36.7430	-79.4351	M-0388 1404.80	16
455	36.7432	-79.4351	M-0388 1404.80	16
456	36.7424	-79.4354	M-0388 1404.80	16
457	36.7422	-79.4353	M-0388 1404.80	16
458	36.7423	-79.4355	M-0388 1404.70	16
459	36.6050	-79.5627	1392.8	6
460	36.6050	-79.5625	1392.8	6
461	36.7881	-79.3831	M-0437 1409.50	20
462	36.7877	-79.3802	M-0437 1409.40	20
463	36.7878	-79.3803	M-0437 1409.40	20
464	36.7872	-79.3804	M-0437 1409.30	20
465	36.7873	-79.3804	M-0437 1409.40	20
466				
400	36.7873	-79.3800	M-0437 1409.30	20

468 36.8060 -79.3670 1410.7 469 36.7782 -79.3914 M-0307 1408.60 470 36.5868 -79.5870 1391 471 36.5868 -79.5871 1391 472 36.5988 -79.5742 1392.1 473 36.5986 -79.5743 1392.1 474 36.6135 -79.5631 M-0402 1393.30 475 36.6134 -79.5633 M-0402 1393.30 476 36.6228 -79.5534 1394.1 477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6168 M-0402 1388.40 482 36.5563 -79.6174 M-0402 1388.30	21 19 5 6 6 7 7 7 7 18 18 3 3
470 36.5868 -79.5870 1391 471 36.5868 -79.5871 1391 472 36.5988 -79.5742 1392.1 473 36.5986 -79.5743 1392.1 474 36.6135 -79.5631 M-0402 1393.30 475 36.6134 -79.5633 M-0402 1393.30 476 36.6228 -79.5534 1394.1 477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6168 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.30	5 6 6 7 7 7 7 18 18 3 3
471 36.5868 -79.5871 1391 472 36.5988 -79.5742 1392.1 473 36.5986 -79.5743 1392.1 474 36.6135 -79.5631 M-0402 1393.30 475 36.6134 -79.5633 M-0402 1393.30 476 36.6228 -79.5534 1394.1 477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6168 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.30	5 6 7 7 7 7 18 18 3 3
472 36.5988 -79.5742 1392.1 473 36.5986 -79.5743 1392.1 474 36.6135 -79.5631 M-0402 1393.30 475 36.6134 -79.5633 M-0402 1393.30 476 36.6228 -79.5534 1394.1 477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.30	6 6 7 7 7 7 18 18 3 3
473 36.5986 -79.5743 1392.1 474 36.6135 -79.5631 M-0402 1393.30 475 36.6134 -79.5633 M-0402 1393.30 476 36.6228 -79.5534 1394.1 477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.30 483 36.5563 -79.6174 M-0402 1388.30	6 7 7 7 7 18 18 3 3
474 36.6135 -79.5631 M-0402 1393.30 475 36.6134 -79.5633 M-0402 1393.30 476 36.6228 -79.5534 1394.1 477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	7 7 7 7 18 18 3 3
475 36.6134 -79.5633 M-0402 1393.30 476 36.6228 -79.5534 1394.1 477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	7 7 7 18 18 3 3 3
476 36.6228 -79.5534 1394.1 477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	7 7 18 18 3 3
477 36.6225 -79.5537 1394.1 478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	7 18 18 3 3 3
478 36.7730 -79.3996 M-0307 1407.70 479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	18 18 3 3 3
479 36.7732 -79.3995 M-0307 1407.70 480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	18 3 3 3
480 36.5581 -79.6165 M-0402 1388.40 481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	3 3 3
481 36.5590 -79.6161 M-0402 1388.40 482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	3
482 36.5586 -79.6168 M-0402 1388.40 483 36.5563 -79.6174 M-0402 1388.30	3
483 36.5563 -79.6174 M-0402 1388.30	
	3
484 36.8175 -79.3531 M-0402 1411.80	22
485 36.5581 -79.6164 M-0402 1388.40	3
486 36.5576 -79.6170 M-0402 1388.30	3
487 36.5584 -79.6161 M-0402 1388.40	3
488 36.5585 -79.6162 M-0402 1388.40	3
489 36.5675 -79.6057 1389.3	3
490 36.5695 -79.6050 1389.4	4
491 36.5706 -79.6036 1389.5	4
492 36.5705 -79.6035 1389.5	4
493 36.5702 -79.6033 1389.5	4
494 36.5704 -79.6034 1389.5	4
495 36.5525 -79.6218 1387.9	2
496 36.7042 -79.4710 1401.4	13
497 36.8062 -79.3669 1410.7	21
498 36.8063 -79.3667 1410.7	21
499 36.8063 -79.3665 1410.7	21
500 36.8211 -79.3494 M-0402 1412.10	22
501 36.5512 -79.6166 1388	2,3
502 36.8117 -79.3594 1411.2	22
503 36.8114 -79.3597 1411.2	22
504 36.5577 -79.6175 M-0402 1388.30	3
505 36.8031 -79.3693 1410.4	21
506 36.5571 -79.6176 M-0402 1388.30	3
507 36.7578 -79.4189 1406.1	17
508 36.7578 -79.4190 1406.1	17
509 36.5442 -79.6301 1387.1	2
510 36.5887 -79.5850 1391.2	5
511 36.7191 -79.4572 1402.7	14

512	36.5567	-79.6181	M-0402 1388.20	3
513	36.5868	-79.5870	1391	5
514	36.5569	-79.6178	M-0402 1388.30	3
515	36.5566	-79.6179	M-0402 1388.20	3
516	36.6736	-79.5016	1398.7	11
517	36.6735	-79.5015	1398.7	11
518	36.6136	-79.5631	M-0402 1393.30	7
519	36.6265	-79.5503	1394.4	8
520	36.6139	-79.5620	M-0402 1393.30	7
521	36.7017	-79.4735	1401.2	13
522	36.5577	-79.6165	M-0402 1388.40	3
523	36.5575	-79.6165	M-0402 1388.30	3
524	36.5573	-79.6164	M-0402 1388.30	3
525	36.5574	-79.6164	M-0402 1388.30	3
526	36.5572	-79.6165	M-0402 1388.30	3
527	36.5572	-79.6165	M-0402 1388.30	3
528	36.5610	-79.6130	1388.7	3
529	36.5610	-79.6130	1388.7	3
530	36.5694	-79.6045	1389.4	4
531	36.5858	-79.5886	1390.9	5
532	36.5856	-79.5882	1390.9	5
533	36.5858	-79.5885	1390.9	5
534	36.5873	-79.5867	1391	5
535	36.5940	-79.5797	1391.6	5
536	36.5958	-79.5775	1391.8	5
537	36.5959	-79.5775	1391.8	5
538	36.5990	-79.5747	1392.1	6
539	36.5991	-79.5748	1392.1	6
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541	36.6064	-79.5682	1392.7	6
542	36.6065	-79.5684	1392.7	6
543	36.6065	-79.5683	1392.7	6
544	36.6076	-79.5675	1392.8	6
545	36.6139	-79.5623	M-0402 1393.30	7
546	36.6139	-79.5625	M-0402 1393.30	7
547	36.5763	-79.5972	1390	4,8
548	36.5763	-79.5972	1390	4
549	36.6138	-79.5625	M-0402 1393.30	7
550	36.6329	-79.5432	1395	8
551	36.6332	-79.5432	1395	8
552	36.6333	-79.5431	1390	4,8
553	36.6325	-79.5434	1395	8
	00.000	70 E 401	1205	0
554	36.6332	-79.5431	1395	8

556 36.6373 -79.5378 1395.5 8 557 36.6375 -79.5376 1395.5 8 558 36.6373 -79.5380 1395.4 8 559 36.6521 -79.5225 1396.8 9 560 36.6737 -79.5019 1398.7 11 561 36.6736 -79.5020 1398.7 11 562 36.6824 -79.4933 1399.5 11 563 36.6989 -79.4767 1400.9 13 564 36.6989 -79.4769 1400.9 13 565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13 567 36.6989 -79.4737 1401.2 13	l l l 33
558 36.6373 -79.5380 1395.4 8 559 36.6521 -79.5225 1396.8 9 560 36.6737 -79.5019 1398.7 11 561 36.6736 -79.5020 1398.7 11 562 36.6824 -79.4933 1399.5 11 563 36.6989 -79.4767 1400.9 13 564 36.6989 -79.4769 1400.9 13 565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13	l l l 33
559 36.6521 -79.5225 1396.8 9 560 36.6737 -79.5019 1398.7 11 561 36.6736 -79.5020 1398.7 11 562 36.6824 -79.4933 1399.5 11 563 36.6989 -79.4767 1400.9 13 564 36.6989 -79.4769 1400.9 13 565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13	L L 3
560 36.6737 -79.5019 1398.7 11 561 36.6736 -79.5020 1398.7 11 562 36.6824 -79.4933 1399.5 11 563 36.6989 -79.4767 1400.9 13 564 36.6989 -79.4769 1400.9 13 565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13	L L 3
561 36.6736 -79.5020 1398.7 11 562 36.6824 -79.4933 1399.5 11 563 36.6989 -79.4767 1400.9 13 564 36.6989 -79.4769 1400.9 13 565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13	L 3 3
562 36.6824 -79.4933 1399.5 11 563 36.6989 -79.4767 1400.9 13 564 36.6989 -79.4769 1400.9 13 565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13	l 3 3
563 36.6989 -79.4767 1400.9 13 564 36.6989 -79.4769 1400.9 13 565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13	3
564 36.6989 -79.4769 1400.9 13 565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13	3
565 36.6989 -79.4767 1401 13 566 36.7021 -79.4737 1401.2 13	3
566 36.7021 -79.4737 1401.2 13	
	3
507 00 7000 70 4707 4404 0	
567 36.7022 -79.4737 1401.2 13	3
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569 36.7020 -79.4737 1401.2 13	3
570 36.7061 -79.4698 1401.6 13	3
571 36.7062 -79.4700 1401.6 13	3
572 36.7060 -79.4698 1401.6 13	3
573 36.7060 -79.4699 1401.6 13	3
574 36.7079 -79.4684 1401.7 13	3
575 36.7079 -79.4683 1401.7 13	3
576 36.7201 -79.4569 1402.8 14	1
577 36.7203 -79.4568 1402.8 14	1
578 36.7204 -79.4568 1402.8 14	1
579 36.7206 -79.4564 1402.8 14	1
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581 36.7226 -79.4548 1403 14	1
582 36.7223 -79.4550 1403 14	1
583 36.6630 -79.5126 1397.8 10)
584 36.7291 -79.4466 1403.6 15	5
585 36.7292 -79.4465 1403.6 15	5
586 36.7292 -79.4463 1403.7 15	5
587 36.7292 -79.4463 1403.7 15	5
588 36.7350 -79.4413 1404.1 15	5
589 36.7353 -79.4408 1404.2 15	5
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592 36.7419 -79.4351 M-0388 1404.70 16	3
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599 36.7542 -79.4231 1405.8 16	3

600	36.7543	-79.4232	1405.8	16
601	36.7541	-79.4231	1405.8	16
602	36.7540	-79.4232	1405.8	16
603	36.7713	-79.4014	M-0307 1407.60	18
604	36.7713	-79.4009	M-0307 1407.60	18
605	36.7718	-79.4004	M-0307 1407.60	18
606	36.7715	-79.4004	M-0307 1407.60	18
607	36.7713	-79.4002	M-0307 1407.60	18
608	36.7923	-79.3816	1409.4	20
609	36.7924	-79.3815	1409.4	20
610	36.7925	-79.3816	1409.4	20
611	36.7925	-79.3815	1409.4	20
612	36.7923	-79.3816	1409.4	20
613	36.8090	-79.3635	1410.9	21
614	36.8162	-79.3540	M-0402 1411.70	22
615	36.8208	-79.3495	M-0402 1412.10	22
616	36.8309	-79.3402	1413	23
617	36.8314	-79.3395	1413	23
618	36.8340	-79.3361	1413.29	23
619	36.8346	-79.3356	1413.29	23
620	36.8352	-79.3351	1413.29	23
621	36.8357	-79.3347	1413.29	23
622	36.7799	-79.3861	M-0307 1408.80	19,20
623	36.7801	-79.3860	M-0307 1408.80	19,20
624	36.8329	-79.3336	1413.29	23
625	36.6630	-79.5126	1397.8	10
628	36.7789	-79.3863	M-0307 1408.80	19
633	36.7876	-79.3852	M-0437 1409.50	20
634	36.7880	-79.3850	M-0437 1409.50	20
635	36.7880	-79.3846	M-0437 1409.50	20
636	36.7880	-79.3848	M-0437 1409.50	20
637	36.7880	-79.3848	M-0437 1409.50	20
638	36.7881	-79.3847	M-0437 1409.50	20
639	36.7881	-79.3849	M-0437 1409.50	20
640	36.7881	-79.3848	M-0437 1409.50	20
274 & 424	36.7838	-79.3920	M-0307 1408.80	20
275 & 276	36.5445	-79.6303	1387.2	2
277 & 279	36.5526	-79.6227	1387.9	2
280 & 281	36.5566	-79.6179	M-0402 1388.20	3
283 & 284	36.5577	-79.6177	M-0402 1388.30	3
285 & 286	36.5659	-79.6078	1389.1	3
288 & 289	36.5737	-79.6001	1389.8	4
291 & 292	36.5765	-79.5972	1390.1	4
294 & 295	36.5860	-79.5890	1390.9	5
	22.2000		====	-

297 & 298 36.5 299 & 300 36.5	875 -7	0 5064	1201 1	_
299 & 300 36 5	, 0, 0 ,	9.5864	1391.1	5
	905 -7	9.5840	1391.3	5
302 & 303 36.5	962 -7	9.5775	1391.8	5
305 & 306 36.5	5960 -7	9.5776	1391.8	5
307 & 308 36.6	6019 -7	9.5668	1392.5	6
309 & 310 36.6	6068 -7	9.5683	1392.7	6
312 & 313 36.6	6081 -7	9.5674	1392.8	6
314 & 315 36.6	3139 -7	9.5624	M-0402 1393.30	7
316 & 317 36.6	5284 -7	9.5485	1394.6	8
319 & 320 36.6	327 -7	9.5441	1395	8
322 & 323 36.6	360 -7	9.5403	1395.3	8
324 & 325 36.6	379 -7	9.5372	1395.5	8
327 & 328 36.6	375 -7	9.5375	1395.5	8
330 & 331 36.6	364 -7	9.5388	1395.4	8
332 & 333 36.6	3425 -7	9.5320	1395.9	9
335 & 336 36.6	6430 -7	9.5318	1396	9
338 & 339 36.6	538 -7	9.5214	1396.9	9,10
340 & 341 36.6	679 -7	9.5085	1398.2	10
343 & 344 36.6	684 -7	9.5080	1398.2	10
345 & 346 36.6	3739 -7	9.5025	1398.7	11
347 & 348 36.6	818 -7	9.4976	1399.3	11
350 & 351 36.6	896 -7	9.4867	1400.1	12
352 & 353 36.6	935 -7	9.4832	1400.4	12
355 & 356 36.7	7079 -7	9.4683	1401.7	13
357 & 358 36.7	'190 -7	9.4571	1402.7	14
360 & 361 36.7	⁷ 292 -7	9.4466	1403.6	15
362 & 363 36.7	'351 -7	9.4414	1404.1	15
365 & 366 36.7	756 -7	9.3988	M-0307 1407.70	18
367 & 368 36.7	7530 -7	9.4246	1405.7	16
370 & 371 36.7	'544 -7	9.4233	1405.8	16
372 & 373 36.7	7575 -7	9.4200	1406.1	17
375 & 376 36.7	7605 -7	9.4170	1406.4	17
377 & 378 36.7	7715 -7	9.4005	M-0307 1407.60	18
379 & 380 36.7	7741 -7	9.4004	M-0307 1407.70	18
381 & 382 36.7	745 -7	9.4000	M-0307 1407.70	18
383 & 384 36.7	7837 -7	9.3915	M-0307 1408.80	20
385 & 386 36.7	934 -7	9.3824	1409.4	20
387 & 388 36.8	3084 -7	9.3636	1410.9	21
389 & 390 36.8	3157 -7	9.3563	1411.5	22
391 & 392 36.8	3162 -7	9.3537	M-0402 1411.70	22
394 & 395 36.8	3241 -7	9.3472	M-0312 1412.40	23
396 & 397 36.8	3282 -7	9.3435	1412.7	23
399 & 400 36.8	3280 -7	9.3414	1412.8	23
402 & 403 36.8	303 -7	9.3421	1412.9	23

405 & 406	36.8305	-79.3380	1413	23
408 & 409	36.8339	-79.3329	1413.29	23
410 & 411	36.8363	-79.3336	1413.29	23
412 & 413	36.8366	-79.3363	1413.29	23
414 & 415	36.8347	-79.3378	1413.29	23
416 & 417	36.8367	-79.3351	1413.29	23
626 & 627	36.7847	-79.3803	M-0307 1409.30	20
629 & 630	36.7428	-79.4354	M-0388 1404.80	16
631 & 632	36.7873	-79.3803	M-0307 1409.40	20