Cherrystone PRM Site

Pittsylvania County, Virginia wssi # P.WSI0000778

Waters of the U.S. (Including Wetlands) Delineation

April 11, 2025, Updated June 4, 2025

Prepared for:

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Prepared by:

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Studies and Solutions, Inc.

a **DAVEY** company

Waters of the U.S. (Including Wetlands) Delineation

Cherrystone PRM Site (±46.1 acres) WSSI # P.WSI0000778

Introduction

Wetland Studies and Solutions, Inc. (WSSI) has determined the boundaries of the jurisdictional wetlands and other waters of the U.S. (WOTUS, i.e., streams and ponds) on the Cherrystone PRM Site. As discussed in this report, WOTUS are present within the survey area, including an intermittent stream (R4), palustrine forested (PFO) and palustrine emergent (PEM) wetlands and a palustrine open water pond (POW) associated with Cherrystone Creek. Our findings are depicted (as a surveyed map) on the Updated Waters of the U.S. (Including Wetlands) Delineation Map (Attachment I) and are discussed briefly below.

On November 20, 2024, the Virginia Department of Environmental Quality (DEQ) conducted a field site visit with WSSI staff in anticipation of a State Surface Water Determination (SSWD) request. Additionally, on February 27, 2025, the U.S. Army Corps of Engineers (COE) and DEQ conducted joint field site visits with WSSI staff in anticipation of Preliminary Jurisdictional Determination (PJD) and SSWD requests. During the site visits, the agencies reviewed WSSI's delineation on the main portion of the Cherrystone PRM Site on the northwestern side of the existing Williams Transco Right of Way (ROW). Both agencies concurred with WSSI's delineation with DEQ requesting additional data points in the upland areas where the Cherrystone PRM Site and the Southeast Supply Enhancement Project – Eden Loop – VA Portion and Compressor Station 165 (SSE) overlap. WSSI completed the requested data points which are incorporated into the delineation reports for both projects. The SSE delineation is described in WSSI's report entitled "Waters of the U.S. (Including Wetlands) Delineation" dated September 16, 2024, Updated April 22, 2025. While the survey areas overlap, they are separate, standalone projects.

In response to DEQ's SSWD (No. 000385) Comment Letter and Additional Information Request dated May 20, 2025, WSSI staff revisited the Cherrystone PRM Site to collect additional data points at the locations specified on the "Delineation Map additional data" attachment that was transmitted with the SSWD-000385: Comment Letter Cherrystone Creek PRM email. This report has been updated to include the additional data points and to address DEQ's other comments.

Project Location

The Cherrystone PRM Site is located at the Batterman Road/Fairview Road (Route 703) intersection in Pittsylvania County, Virginia. Cherrystone Creek is located immediately north of the survey area. Exhibit 1 is a vicinity map that depicts the approximate boundaries of the survey area and its general location.

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Methodology

This wetland delineation was performed pursuant to the "Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1 (1987 Manual) and subsequent guidance, and modified by the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region*, Version 2.0 dated April 2012 (EMP Manual). The Routine On-Site Wetland Determination Method for sites more than 5 acres was used. Because the entire Cherrystone PRM survey area was systematically searched for wetlands, transects were not established. The wetland delineation was performed in the field utilizing the three-parameter approach (hydrophytic vegetation, hydric soils, and wetland hydrology) as set forth in the 1987 Manual and streams were delineated at their ordinary high water mark (OHWM). The following paragraphs provide additional general information as outlined in the EMP Manual regarding the wetland parameters that were investigated in the field:

1. Hydrophytic Vegetation:

Hydrophytic vegetation occurs where the frequency and duration of inundation or soil saturation produce permanently or periodically saturated soils of sufficient duration to exert a controlling influence on the plant species present. Under normal circumstances, vegetation is hydrophytic when the plant community is dominated by species that have a wetland indicator status of facultative (FAC) or wetter, which indicates they can tolerate prolonged inundation or soil saturation during the growing season.

Per the U.S. Army Corps of Engineers Engineer Research and Development Center's *National Wetland Plant List Indicator Rating Definitions* dated July 2012¹, the following definitions represent the short version of the wetland indicator status ratings. These short definitions represent the longer version, which is more descriptive and includes examples of plant species from various habitats; however, the short version is applicable for "daily" use.

- OBL (Obligate Wetland Plants) Almost always occur in wetlands.
- FACW (Facultative Wetland Plants) Usually occur in wetlands, but may occur in non-wetlands.
- FAC (Facultative Wetland Plants) Occur in wetlands and non-wetlands.
- FACU (Facultative Upland Plants) Usually occur in non-wetlands, but may occur in wetlands
- UPL (Upland Plants) Almost never occur in wetlands.

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Lichvar R.W., N.C. Melvin, M.L. Butterwick, and W.N. Kirchner. 2012. National Wetland Plant List Indicator Rating Definitions. ERDC/CRREL TN-12-1. Hanover, NH: U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory

2. Hydric Soils:

The National Technical Committee for Hydric Soils (NTCHS) defines a hydric soil as a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part.² Soil color can reflect the long-term effect of anaerobic conditions due to saturated soil conditions and is one of the more common factors used to determine whether or not a soil is hydric. Soil color is determined in the field by the Munsell Soil Chart. Other field evidence of hydric soil includes sulfidic odor, accumulation of organic material, and concretions (or localized concentrations) of iron and/or manganese oxides at or near the soil surface.

3. Hydrology:

According to the 1987 Manual, wetland hydrology encompasses all hydrologic characteristics of areas that are periodically inundated or have soils saturated to the surface at some time during the growing season. Areas with evident characteristics of wetland hydrology are those where the presence of water has an overriding influence on characteristics of vegetation and soils due to anaerobic and reducing conditions, respectively. Such characteristics are usually present in areas that are inundated or have soils that are saturated to the surface for sufficient duration to develop hydric soils and support vegetation typically adapted for life in periodically anaerobic soil conditions.

As stated in the EMP Manual, hydrology indicators are evidence that a site has a continuous wetland hydrologic regime; however, they are often the most transitory of the wetland indicators. Seasonal, temporary, and long-term weather conditions can have a direct impact on field observations. Additionally, hydrology indicators may be impacted by natural processes or human activities.

Wetland hydrology indicators are divided into two categories, primary and secondary, and are based on the level of reliability in the region. One primary indicator is sufficient to assume the presence of wetland hydrology. Without a primary indicator, two or more secondary indicators are required to meet the wetland hydrology parameter. Examples of primary indicators of wetland hydrology include but are not limited to visual observation of inundation or soil saturation within major portions of the root zone (usually within 12 inches of the surface) during the growing season, water marks, sediment deposits, and oxidized rhizospheres along living roots. Examples of secondary indicators of wetland hydrology include but are not limited to drainage patterns, FAC-neutral test, surface cracks, and sparsely vegetated concave surfaces.

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https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soil/national-technical-committee-for-hydric-soils

Fieldwork was performed by Jennifer Feese, PWD, PWS, VSWD³, Michael Smith⁴, and Kyle Zinn, WPIT, CFA⁵, from October 29, 2024, through November 1, 2024, and on November 21, 2024. Fieldwork to delineate the access road was performed on March 18, 2025, by Rachel Shumway, WPIT, CAE⁶ and Abby DeCesare, WPIT, EiT⁷. Additional fieldwork was conducted on May 22, 2025, by Jennifer Feese and Michael Smith.

The delineation was completed by flagging the entire boundary of each distinct Cowardin classified wetland area, within all wetland complexes to accurately capture their size and extent. Wetlands and data points were delineated with yellow-glo flagging tape and streams were delineated with blue-glo flagging tape. WSSI employed the Leica FLX100 GPS unit to locate wetland and stream flags. The FLX100 integrates with Leica's SmartNet RTK network, which allows for positioning in real time. WSSI also utilized ESRI's Field Maps software running on iPads, which integrates directly with the Leica FLX100. The GPS data and Field Maps were used to create a digital sketch map, which enabled WSSI staff to track progress and plan fieldwork. Additionally, the Field Maps app containing the digital sketch map was provided (viewing access only) to Williams (the project's client) to aid in the survey-location of the delineated features by others. After others surveyed the delineated features, the data was processed and supplied to WSSI as Coordinate Geometry (COGO) points in a .dwg (drawing) file format. These COGO points were then extracted and analyzed using ESRI ArcPro software to maintain both spatial and attribute information. From this processed data, WSSI generated point, polyline, and polygon features for data points and wetlands, which were subsequently compared to the field sketch map and reviewed by field staff scientists. The surveyed features are depicted in the Waters of the U.S. (Including Wetlands) Delineation Map, which can be found in Attachment I.

Prior to conducting field work, relevant background information was reviewed, including survey area topography, the Spring Garden, VA 1990 USGS quadrangle (<u>Exhibit 2</u>) and Digital National Wetlands Inventory (<u>Exhibit 3</u>; downloaded October 2024) maps, Pittsylvania County Soils Map data (<u>Exhibit 4</u>), Sulfide Hazard Risk Map from Virginia Tech Department of Crop and Soil Environmental Sciences (<u>Exhibit 5</u>), and the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, Panel 51143C0415E (<u>Exhibit 6</u>; Effective 09/29/2010). Aerial photographs of the survey area, including a Spring 2015 near color infrared imagery from Virginia Base Mapping Program (VBMP) (<u>Exhibit 7</u>) and a 2023 natural color imagery from VBMP (<u>Exhibit 8</u>), were also examined to investigate whether signatures indicative of wetlands are found within the survey area and to document recent land use changes in the vicinity of the

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Professional Wetland Scientist #1871, Society of Wetlands Scientists Certification Program, Inc.; Virginia Certified Professional Wetland Delineator #3402-000095; Certified Virginia State Water Delineator #VSWD0061; ISA Certified Arborist MA-5134A, TRAQ

⁴ ISA Certified Arborist MA-6370A, TRAQ

Wetland Professional in Training, Society of Wetlands Scientists Certification Program, Inc.; Certified Fertilizer Applicator #CFA-5436183271, Virginia Department of Agriculture and Consumer Services

Wetland Professional in Training, Society of Wetlands Scientists Certification Program, Inc.; Certified Associate Ecologist, Ecological Society of America

Wetland Professional in Training, Society of Wetlands Scientists Certification Program, Inc.; Certified Ecologist in Training, Ecological Society of America

survey area. The output from DEQ's wetland condition assessment tool (WetCAT) that documents soil properties, impaired waters, and permit information is included within Exhibit 9.

The COE Antecedent Precipitation Tool (APT) was generated to evaluate precipitation conditions prior to and during field work. The APT indicates that the area was under "normal conditions" to "wetter than normal" at the time of field work and 30 days prior to field work (Exhibit 10). No rain events occurred during field work; however, approximately 2.22-inches of rain was recorded in Danville on May 21, 2025.

The North Carolina Division of Water Quality (NCDWQ)⁸ Stream evaluation method was applied in the field to determine whether the stream within the survey area was ephemeral, intermittent, or perennial. Application of this stream evaluation method results in numeric scores generated through the qualitative evaluation of the stream's geomorphological, hydrological, and biological characteristics, and the scores are used, in combination with the best professional judgment of the evaluator, to determine the stream's flow regime.

Based on the NCDWQ method, streams scoring below 19 are generally considered to be ephemeral, while streams scoring 19 or greater are at least intermittent. Based on the NCDWQ methodology's "NC DWQ Policy for the Definition of Perennial Stream Origins", a stream is considered perennial if any of the following criteria are met:

1. Biological indicators such as fish (except Gambusia), crayfish (in channel), amphibians (larval salamanders and large, multi-year tadpoles), or clams are present. If only crayfish or fingernail clams are present, a numerical value of at least 18 on the geomorphology section of the most current version of the NC DWQ stream classification form is required.

OR

2. A numerical value of at least 30 points is determined from the most recent version of the NCDWQ stream identification form.

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3. More than one benthic macroinvertebrate that requires water for their entire life cycles are present as later instar larvae. 9

The stream evaluation data form that provides the result of the stream evaluation method and summarizes WSSI's stream-flow determination is provided in <u>Exhibit 11</u>.

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NC Division of Water Quality. 2010. Methodology for Identification of Intermittent and Perennial Streams and their Origins, Version 4.11. North Carolina Department of Environment and Natural Resources, Division of Water Quality. Raleigh, NC.

Lists of benthic macroinvertebrates that NCDWQ considers perennial stream indicators are provided in Tables 2 and 3 of the NCDWQ assessment methodology.

Observations of vegetation, soils and hydrology were recorded, using Ecobot ¹⁰, at representative locations in the wetlands and adjacent non-wetland areas to determine the wetland boundaries. Routine Wetland Determination data forms generated through Ecobot describing representative plant communities, hydrology indicators, and soil characteristics for each Cowardin classification observed within respective systems are included in Exhibit 12. The Field Indicators of Hydric Soils in the United States, A Guide for Identifying and Delineating Hydric Soils, Version 8.2, 2018¹¹, was used for this delineation. Additionally, the four-strata sampling method was used with the following plot sizes and stratum definitions as outlined in the EMP Manual:

- 1. Tree stratum 30-ft (9.1 m) radius; defined as woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
- 2. Sapling/shrub stratum 15-ft (4.6-m) radius; defined as woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
- 3. Herb stratum 5-ft (1.5-m) radius; defined as all herbaceous (non-woody) plants, regardless of size, and all other plants less than 3.28 ft tall.
- 4. Woody vines 30-ft (9.1-m) radius; defined as all woody vines greater than 3.28 ft in height.

Photographs of the data point locations, stream, wetland and non-wetland communities, and other existing survey area conditions are included in <u>Exhibit 13</u>. The surveyed locations of delineated wetlands, other WOTUS, and the approximate locations of photographs are depicted on <u>Attachment I</u>. Note that the data points for the Cherrystone PRM Site are not in numerical order as the survey area was delineated concurrently with the SSE project. Data points 326, 355, 356, and 357 represent the area of overlap between the projects.

The wetlands discussed throughout the report and associated exhibits are described in terms of their "Cowardin classification." In the publication *Classification of Wetlands and Deepwater Habitats of the United States*¹², wetlands and associated deepwater habitats are divided into five systems: marine, estuarine, riverine, lacustrine, and palustrine. Within the Cherrystone PRM Site, riverine and palustrine systems were identified. These two systems are discussed briefly below:

Riverine – As defined in the *Classification of Wetlands and Deepwater Habitats of the United States*, the Riverine System includes all wetlands and deepwater habitats

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Ecobot is a cloud-based platform for environmental assessments (including the COE's wetland determination data forms) and permitting. Ecobot has two components: a mobile application for field data collection, Ecobot Collector, and a web-based interface, Ecobot Manager, for project management, collaboration, QA/QC, and report generation. https://ecobot.com/

United States Department of Agriculture, Natural Resources Conservation Service. 2018. Field Indicators of Hydric Soils in the United States, Version 8.2. L.M. Vasilas, G.W. Hurt, and J.F. Berkowitz (eds.). USDA, NRCS, in cooperation with the National Technical Committee for Hydric Soils.

Federal Geographic Data Committee. 2013. Classification of wetlands and deepwater habitats of the United States. FGDC-STD-004-2013. Second Edition. Wetlands Subcommittee, Federal Geographic Data Committee and U.S. Fish and Wildlife Service, Washington, DC.

contained within a channel excluding: (1) wetlands dominated by trees, shrubs, persistent emergents, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. The Riverine System is bounded on the landward side by upland, the channel bank, or by wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens. While not always, water typically flows within a Riverine System.

Palustrine – As defined in the *Classification of Wetlands and Deepwater Habitats of the United States*, the Palustrine System includes all nontidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5%. It also includes small, shallow, permanent, or intermittent water bodies often called ponds. Also included are wetlands lacking such vegetation, but with all of the following characteristics: (1) area less than 8 ha (20 acres); (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of basin less than 2.5 m (8.2 ft) at low water; and (4) salinity due to ocean derived salts less than 0.5%. The limits of the Palustrine System are bounded by upland or any of the other four systems.

The following table describes the different classes of palustrine and riverine features identified within the survey area.

Table 1. Cowardin Classifications

Symbol	Feature Classification	Description of Wetland Category
PFO	Palustrine Forested	Trees are the dominant life form—i.e., the tallest
		life form with at least 30 percent areal coverage.
		Trees are defined as woody plants at least 6 m
		(20 ft) in height.
PEM	Palustrine Emergent	Emergent plants—i.e., erect, rooted, herbaceous
		hydrophytes, excluding mosses and lichens—are
		the tallest life form with at least 30% areal
		coverage. This vegetation is present for most of
		the growing season in most years. These
		wetlands are usually dominated by perennial
		plants.
POW	Palustrine Open Water	While not found in the Deepwater Habitat
		document, it is referenced as a Cowardin
		Classification in the COE's Operations and
		Maintenance Business Information Regulatory
		Module (ORM) 13 table. POWs are typically
		defined as areas of open water within a Palustrine
		wetland system that are characterized by having

COE's Operations and Maintenance Business Information Regulatory Module (ORM).

https://www.spa.usace.army.mil/Portals/16/docs/civilworks/regulatory/Bulk%20Upload/Bulk%20Data%20

https://www.spa.usace.army.mil/Portals/16/docs/civilworks/regulatory/Bulk%20Upload/Bulk%20Data%20

https://www.spa.usace.army.mil/Portals/16/docs/civilworks/regulatory/Bulk%20Upload/Bulk%20Data%20

Cowardin.pdf

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		no, or minimal, vegetation and are less than 20 acres in size. These open water areas are typically shallow, with depths less than 6.6 feet
		(2 meters) at low water.
R4	Riverine, Intermittent	A stream channel with an ordinary high water mark that contains non-tidal flowing water only part of the year. When the water is not flowing, it may remain in isolated pools or surface water may be absent.

Waters of the U.S. Delineation Findings

In WSSI's opinion, jurisdictional wetlands and other WOTUS (i.e., a stream and pond) are present on the Cherrystone PRM Site. These WOTUS include an intermittent stream, PFO and PEM wetlands and a POW (pond) associated with Cherrystone Creek.

On November 20, 2024, the DEQ conducted a field site visit with WSSI staff in anticipation of a SSWD request. Additionally, on February 27, 2025, the COE and DEQ conducted joint field site visits with WSSI staff in anticipation of PJD and SSWD requests. During the site visits, the agencies reviewed WSSI's delineation on the main portion of the Cherrystone PRM Site on the northwestern side of the existing Williams Transco ROW. Both agencies concurred with WSSI's delineation at the time of the site visits. However, DEQ requested additional data points in the upland areas where the Cherrystone PRM Site and the SSE project overlap. WSSI completed the requested data points which are incorporated into the delineation reports for both projects.

In response to DEQ's SSWD (No. 000385) Comment Letter and Additional Information Request dated May 20, 2025, WSSI staff revisited the Cherrystone PRM Site to collect additional data points at DEQ-specified locations. Ten (10) additional data points (data points 494-503) were collected and incorporated into this updated report. No changes to WOTUS boundaries resulted from the additional fieldwork.

Aquatic resources, as quantified on Attachment I, include:

- 818,901 sf (18.80 ac) of PEM wetland;
- 27,463 sf (0.63 ac) of PFO wetland;
- 2,122 sf (0.05 ac) of POW; and.
- 844 (0.02 ac) and 160 lf of intermittent stream.

The remaining approximately 26.9 acres of the survey area were classified as uplands.

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Summary

In WSSI's opinion, jurisdictional wetlands and other WOTUS are present within the survey area, based on our observations, as described above and depicted on <u>Attachment I</u>.

The WOTUS within the survey area (i.e., the wetlands, stream, and jurisdictional pond) are regulated by Sections 401 and 404 of the Clean Water Act and by state wetlands laws and cannot be disturbed without the appropriate permits. Such permits may include permits from local agencies, as well as the COE and the DEQ, depending upon the extent and type of impacts.

Limitations

This study is based on an examination of the vegetation, soils, and hydrology and available reference documents. Field indicators can change with variations in hydrology and other factors. Therefore, our conclusions may vary from future observations by others. This report assesses the potential for wetlands on the survey area at the time of our review and does not address conditions at a given time in the future.

WSSI's review and report have been prepared in accordance with generally accepted guidelines for the conduct of a survey for potential WOTUS. Conclusions presented herein are based upon our review of available information, the results of our field studies, and/or professional judgement. WSSI makes no other warranties, either expressed or implied, and our report is not a recommendation to buy, sell, manage, or develop the property.

WSSI offers no opinion and does not purport to opine on the possible application of various building codes, zoning ordinances, other land use or platting regulations, environmental or health laws and other similar statutes, laws, ordinances, code and regulations affecting the possible use and occupancy of the survey area for the purpose for which it is being used, except as specifically provided above.

The foregoing opinions are based on applicable laws, ordinances, and regulations in effect as of the date hereof and should not be construed to be an opinion as to the matters set out herein should such laws, ordinances or regulations be modified, repealed or amended.

Any reuse or modification of any of this document (whether hard copies or electronic transmittals) prepared by WSSI without written verification or adaptation by WSSI will be at the sole risk of the individual or entity utilizing said document and such use is without the authorization of WSSI. WSSI shall have no legal liability resulting from any and all claims, damages, losses, and expenses, including attorney's fees arising out of the unauthorized reuse or modification of this document. Client shall indemnify WSSI from any claims arising out of unauthorized use or modification of the document whether hard copy or electronic.

This report does not constitute a jurisdictional determination of WOTUS since such determinations must be verified by the COE or the Natural Resources Conservation Service (as

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applicable) and are subject to review by the U.S. Environmental Protection Agency. This report does not constitute a stream characterization determination.



WETLAND STUDIES AND SOLUTIONS, INC.

Kyle Zinn, WPIT, CFA Environmental Scientist

Michael C. Smith

ROW Environmental Stewardship and Sustainability Manager - Energy

Jennifer D. Feese, PWS, PWD, VSWD Environmental Resources Manager – Energy

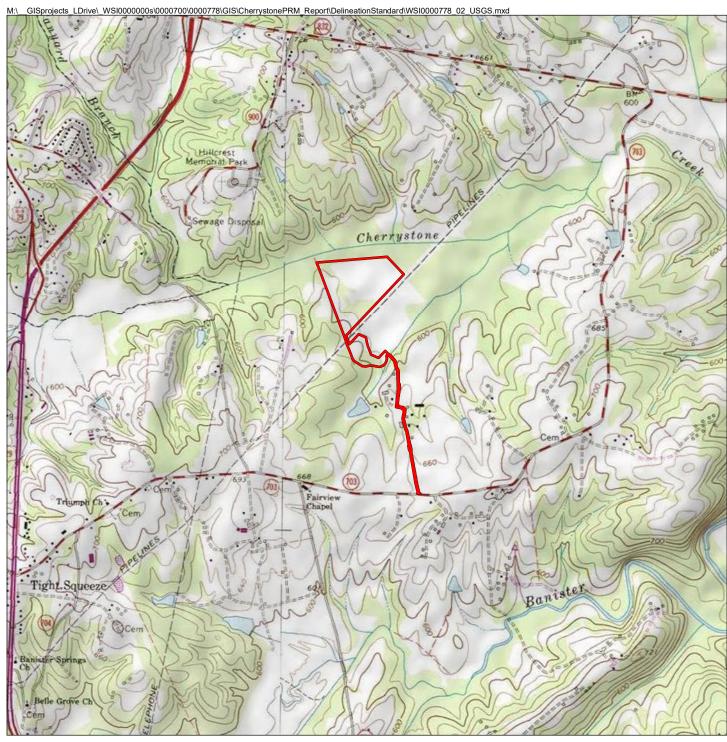
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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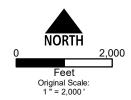


Source: World Street Map - ESRI



Survey Area

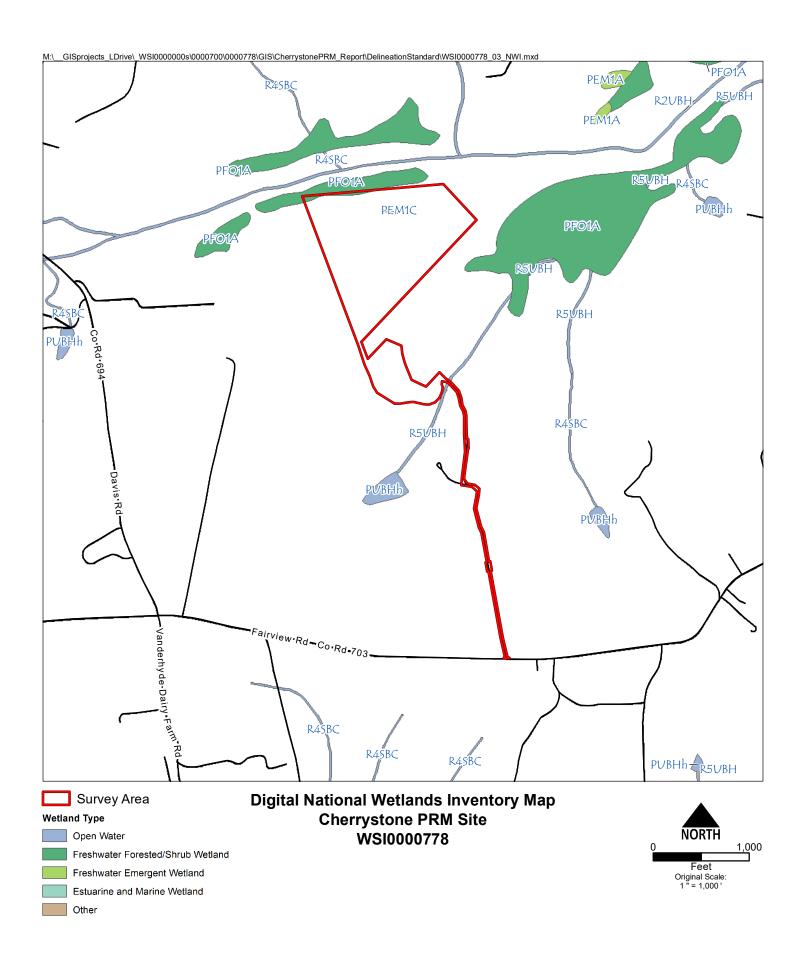
USGS 7.5' Quadrangle Map Cherrystone PRM Site WSI0000778



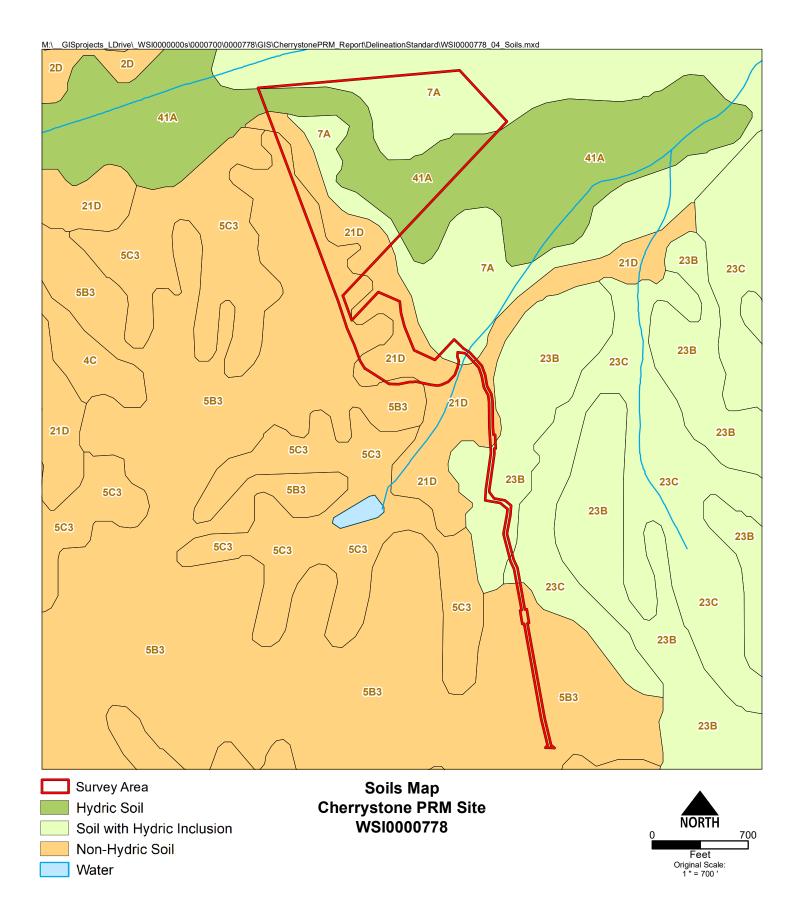
Spring Garden, VA 1990 Latitude: 36°48'21"N Longitude: 79°22'11"W

Hydrologic Unit Code (HUC): 03010105104, 030101050103 HUC12 Name: Cherrystone Creek, White Oak Creek - Banister River

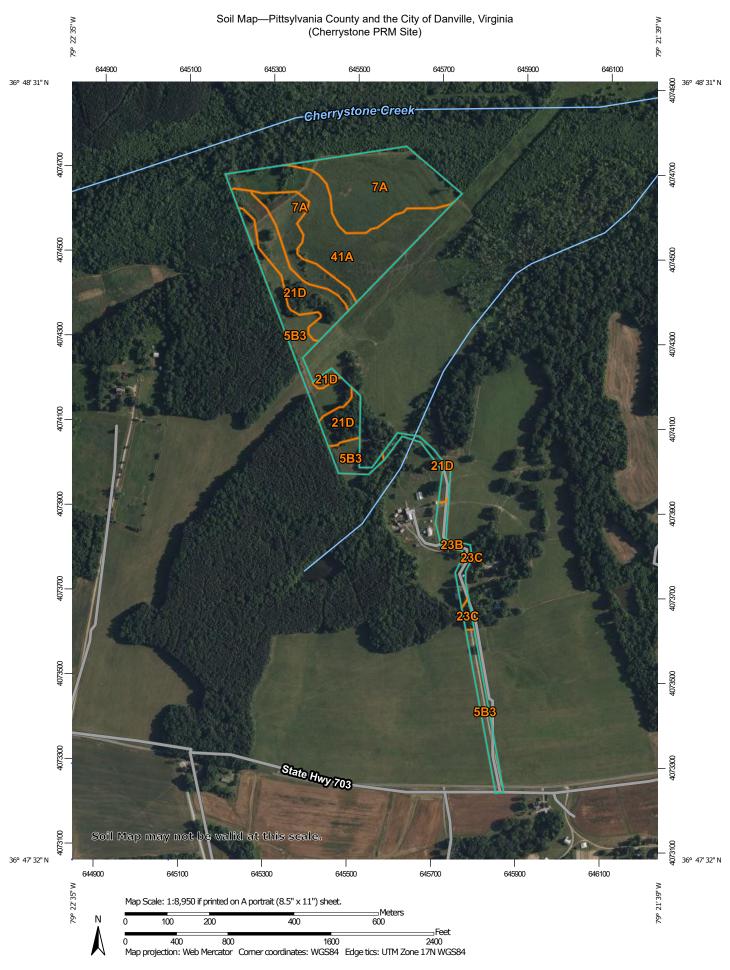
COE Region: Eastern Mountains and Piedmont



Source: U.S. Fish and Wildlife Service; October 2024



Major Land Resource Area: Southern Piedmont, 136 Land Resource Region: South Atlantic and Gulf Slope Cash Crops, Forest, and Livestock Region, P Source: Pittsylvania County Digital Data, U.S. Department of Agriculture, 2024



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons





Blowout



Clay Spot





Gravelly Spot

Landfill ۵

Lava Flow

Marsh or swamp

Mine or Quarry Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot 0

Sinkhole ٥

Slide or Slip

Sodic Spot

00

Spoil Area

â Stony Spot

Very Stony Spot

Wet Spot

Other Δ

Special Line Features

Water Features

Streams and Canals

Transportation

Rails ---

Interstate Highways

US Routes Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Pittsylvania County and the City of Danville,

Survey Area Data: Version 17, Aug 30, 2024

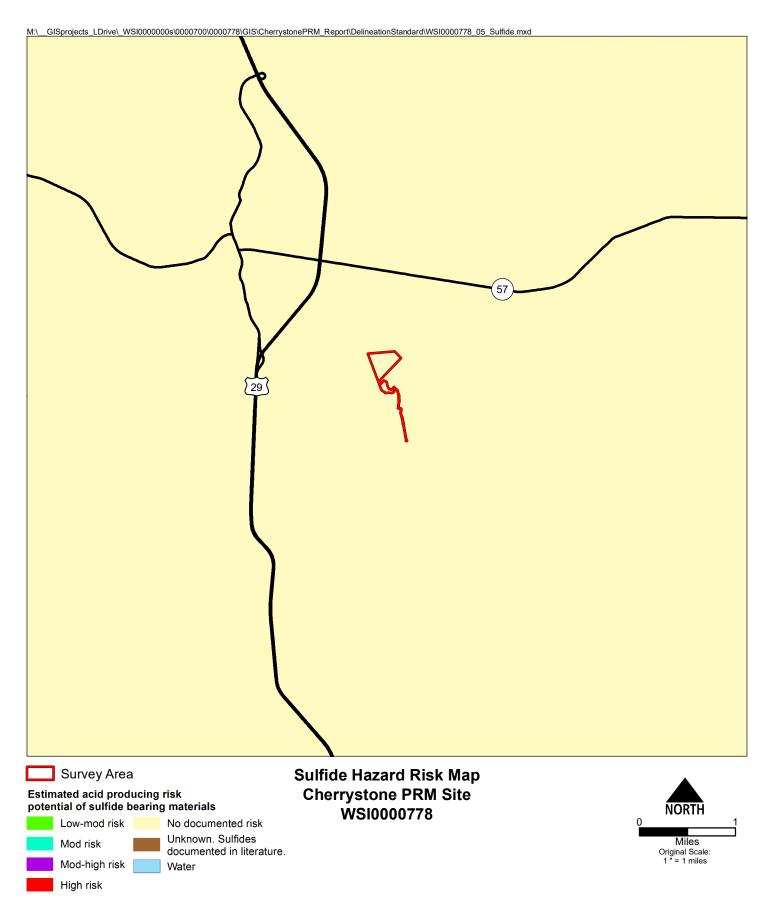
Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Apr 2, 2022—Jun 18. 2022

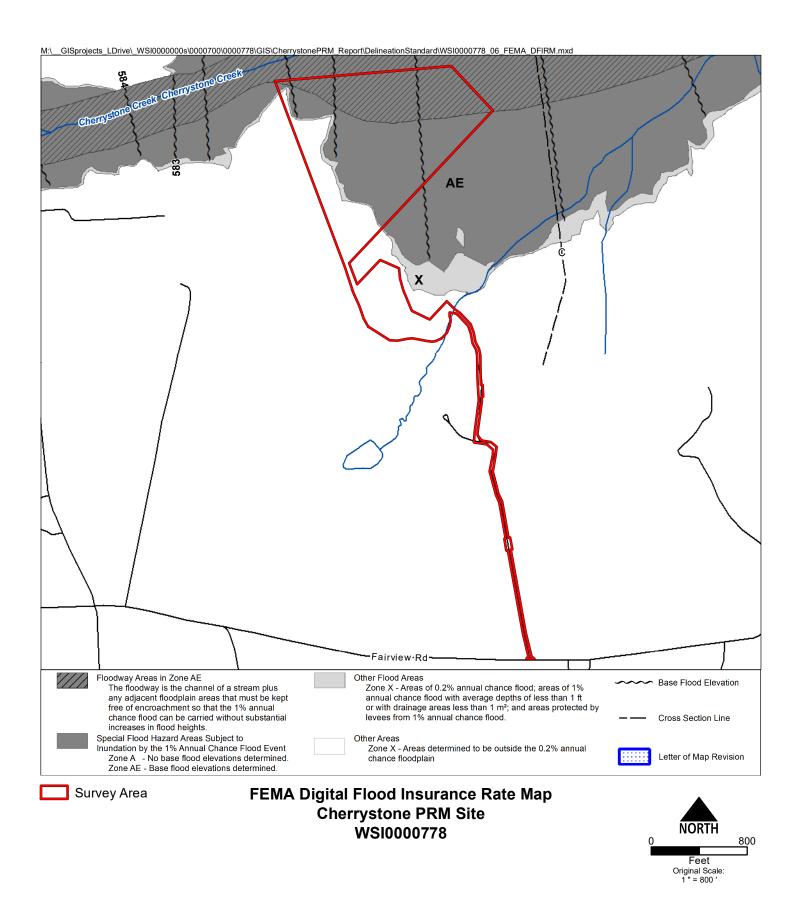
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

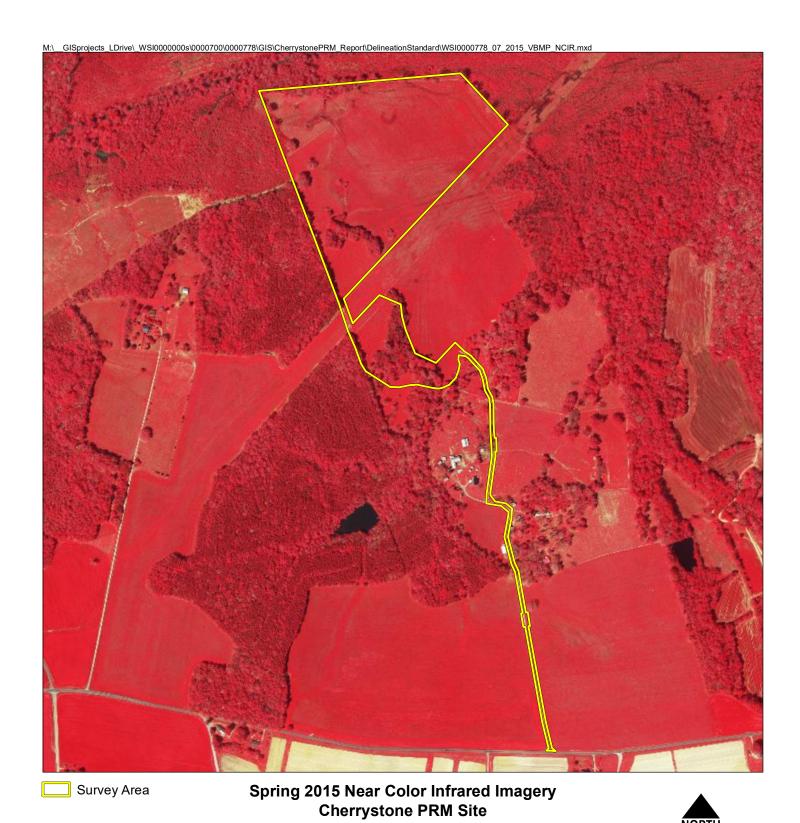
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
5B3	Clifford sandy clay loam, 2 to 7 percent slopes, severely eroded	8.5	17.8%
7A	Codorus loam, 0 to 2 percent slopes, occasionally flooded	15.4	32.3%
21D	Poplar Forest fine sandy loam, 15 to 25 percent slopes	8.9	18.7%
23B	Clover fine sandy loam, 2 to 7 percent slopes	1.5	3.2%
23C	Clover fine sandy loam, 7 to 15 percent slopes	0.3	0.7%
41A	Hatboro silt loam, 0 to 2 percent slopes, frequently flooded	13.0	27.3%
Totals for Area of Interest	,	47.6	100.0%



Source: Virginia Tech Department of Crop and Soil Environmental Sciences. Zenah W. Orndoff and W. Lee Daniels



Panel: 51143C0415E, Effective: 09/29/2010

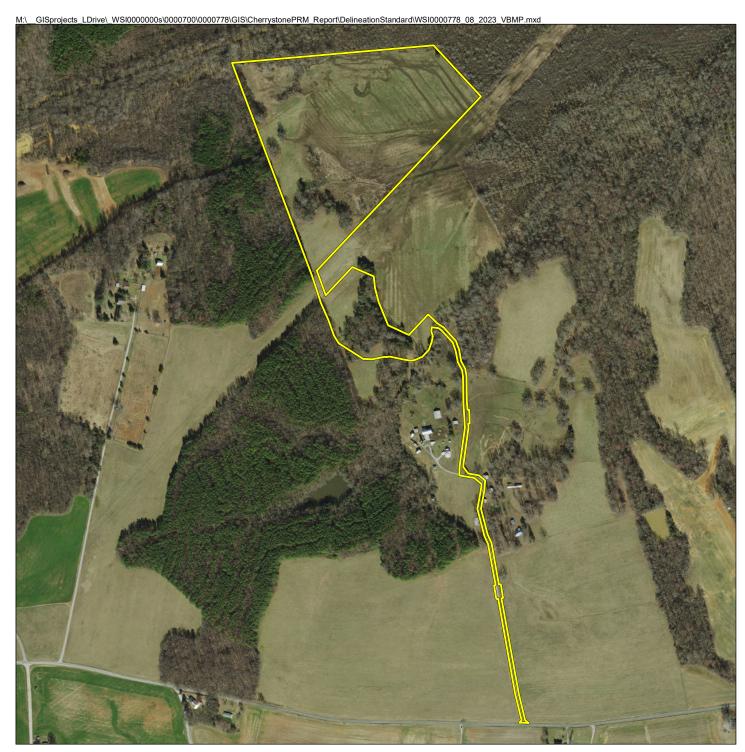


WSI0000778

Source: Virginia Base Mapping Program (VBMP)

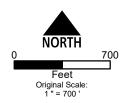
NORTH

Feet Original Scale: 1 " = 700 '



Survey Area

2023 Natural Color Imagery Cherrystone PRM Site WSI0000778



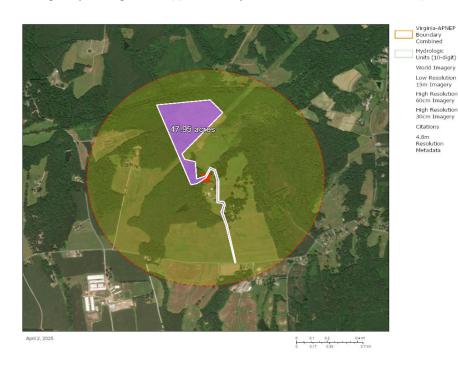
Source: Virginia Base Mapping Program (VBMP)

WetCAT Viewer Cumulative Results

The following is a summary of selected data within 1 kilometer of the selected point location (longitude: -79.3678, latitude: 36.8010). This analysis was run in the Wetland Condition Assessment Tool (WetCAT) on Wed Apr 02 2025.

Located in the following jurisdiction(s): Pittsylvania County, Virginia

10-Digit Hydrologic Unit(s): Cherrystone Creek-Banister River (0301010501)



NWI Summary - Scores

Score Type	Score	Minimum	Maximum
Habitat (average) is Somewhat Stressed	0.84	0.77	0.94
Habitat Restoration Potential (average %)	11	7	17
Water Quality (mode) is Slightly Stressed	1.0	0.4	1.0
Water Quality Restoration Potential (mode)	0	0	75

NWI Summary - Stress Level

Stress Level	# Wetlands (Habitat)	# Wetlands (Water Quality)
Slightly Stressed	1	3
Somewhat Stressed	4	1
Somewhat Severely Stressed	0	1
Severely Stressed	0	0

NWI Summary - Classes

Wetland Class	Acres	# Wetlands	Ave Habitat Score	Min Habitat Score	Max Habitat Score	Ave Habitat Restoration Potential (%)	Mode WQ Score	Min WQ Score	Max WQ Score	Mode WQ Restoration Potential (%)
PEM	0.12	1	0.80	0.8	0.8	16	0.4	0.4	0.4	75
PFO	50.60	4	0.85	0.77	0.94	10	1	0.7	1	0

Tidal Marsh is not present within this 1km buffer.

DEQ Permit Points are not present within this 1km buffer.

USACE Permit Points are not present within this 1km buffer.

North Carolina Permit Points are not present within this 1km buffer.

Virginia Water Protection Program (VWP) boundaries are not present within this 1km buffer

Soils

Soil Name	Drainage Class	Hydric Class	Soil Order	Percent of Buffer
Bannertown fine sandy loam, 15 to 35 percent slopes	Excessively drained	Not Hydric (0%)	Inceptisols	0.33
Clifford sandy clay loam, 2 to 7 percent slopes, severely eroded	Well drained	Not Hydric (0%)	Ultisols	27.05
Clifford sandy clay loam, 7 to 15 percent slopes, severely eroded	Well drained	Not Hydric (0%)	Ultisols	13.37
Clifford sandy loam, 2 to 7 percent slopes	Well drained	Not Hydric (0%)	Ultisols	0.15
Clifford sandy loam, 7 to 15 percent slopes	Well drained	Not Hydric (0%)	Ultisols	0.90
Clover fine sandy loam, 2 to 7 percent slopes	Well drained	Hydric (1- 32%)	Ultisols	13.78
Clover fine sandy loam, 7 to 15 percent slopes	Well drained	Hydric (1-32%)	Ultisols	13.40
Codorus loam, 0 to 2 percent slopes, occasionally flooded	Somewhat poorly drained	Hydric (1- 32%)	Inceptisols	14.54
Comus fine sandy loam, 0 to 2 percent slopes, occasionally flooded	Well drained	Not Hydric (0%)	Inceptisols	0.07
Hatboro silt loam, 0 to 2 percent slopes, frequently flooded	Poorly drained	Hydric (66- 99%)	Inceptisols	9.11
Poplar Forest fine sandy loam, 15 to 25 percent slopes	Well drained	Not Hydric (0%)	Ultisols	6.83
Poplar Forest fine sandy loam, 25 to 45 percent slopes	Well drained	Not Hydric (0%)	Ultisols	0.34
Water	Water	Water	Unranked or Not Available	0.14

Soils Summary Data - Most Common

Most Common Soil within Buffer	Drainage Class	Hydric Class	Soil Order	Percent of Buffer
Clifford sandy clay loam, 2 to 7 percent slopes, severely eroded	Well drained	Not Hydric (0%)	Ultisols	27.05

Soils Summary Data - Soil Order

Soil Order	Frequency	Percent of Buffer
Inceptisols	4	24.05
Ultisols	18	75.81
Unranked or Not Available	2	0.14

Soils Summary Data - Drainage Classification

Drainage Class	Frequency	Percent of Buffer
Excessively drained	1	0.33
Poorly drained	1	9.11
Somewhat poorly drained	1	14.54
Water	2	0.14
Well drained	19	75.87

Soils Summary Data - Hydric Frequency

Hydric Class	Frequency	Percent of Buffer
Hydric (1-32%)	7	41.72
Hydric (66-99%)	1	9.11
Not Hydric (0%)	14	49.02
Water	2	0.14

Mitigation Banks are not present within this 1km buffer

DEQ Permitted Preservation Sites are not represented within this 1km buffer.

VDOT Mitigation Points are not present within this 1km buffer.

Virginia Conservation Lands are not present within this 1km buffer.

Coastal Barrier Resource System (CBRS) Units are not present within this 1km buffer.

Virginia Pollutant Discharge Elimination System (VPDES) Facilitites are not present within this 1km buffer.

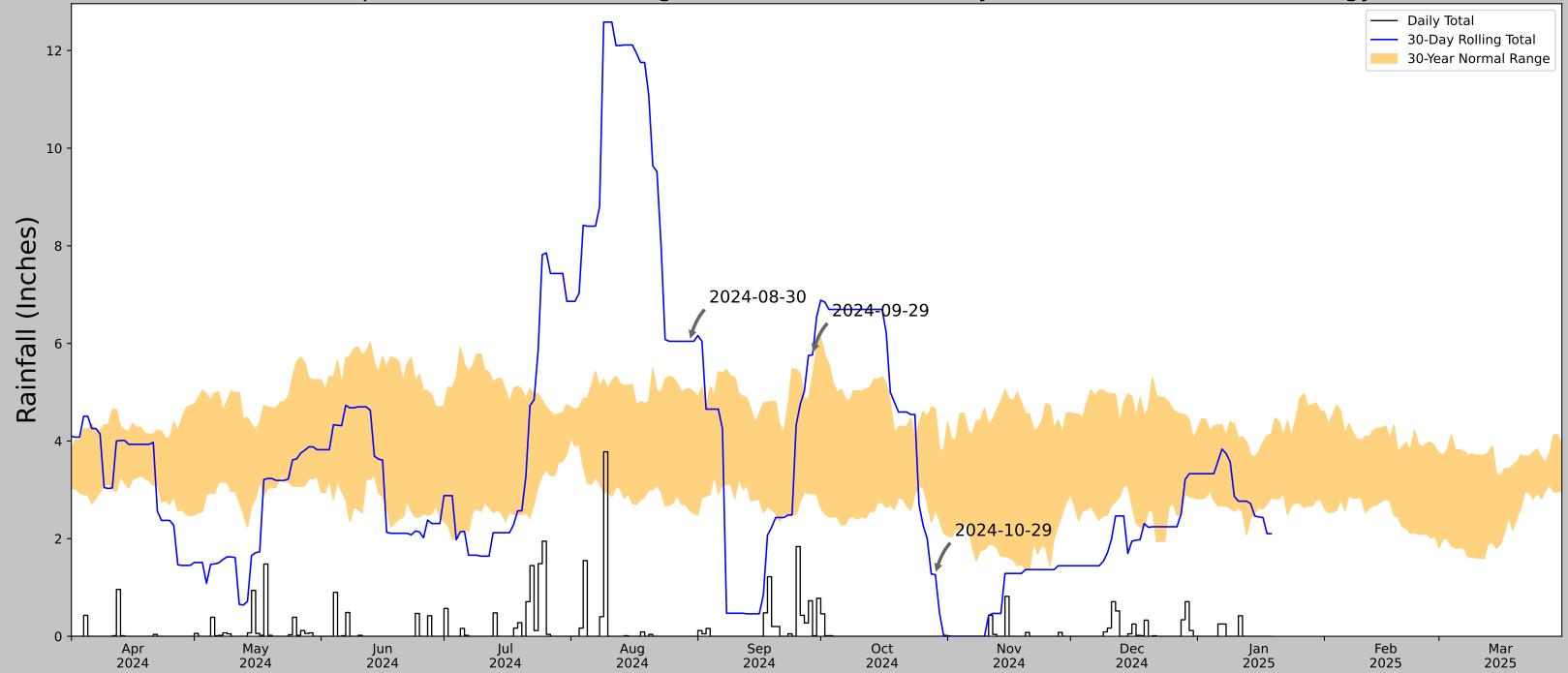
Water Quality Assessment 305(b)/303(d) Waters (2022)

Assessment Unit ID	Water Name	Type of Impaired Water	Assessment Classification			
	Unsegmented Portion of Watershed L65	river	Indeterminate			
VAW- L65R_ZZZ01A00	Category 3A: There is no data available within the data window of the current assessment to determine if any designated use is attained and the water was not previously listed as impaired. Impairment Causes: Not Applicable Sources: Not Applicable					
	Cherrystone Creek	river	Indeterminate			
VAW- L66R_CRR01A00	Category 3B: Some data exists but are insufficient to determine support of any designated use. Such waters will be prioritized for follow up monitoring as needed. Impairment Causes: Not Applicable Sources: Not Applicable					
	Unsegmented Portion of Watershed L66	river	Indeterminate			
VAW- L66R_ZZZ01A00	Category 3A: There is no data available within the data window of the current assessment to determine if any designated use is attained and the water was not previously listed as impaired. Impairment Causes: Not Applicable Sources: Not Applicable					

There are no Class VII Waters present within this 1km buffer.

WetCAT Caveat

Data, maps, and reports generated through the Virginia Wetland Condition Assessment Tool (WetCAT) do not contain real-time data. Content provided via the viewer is subject to change without notice. The Center for Coastal Resources Management (CCRM) and the Virginia Department of Environmental Quality make no warranty, express or implied, as to the accuracy, completeness, or utility of this information.



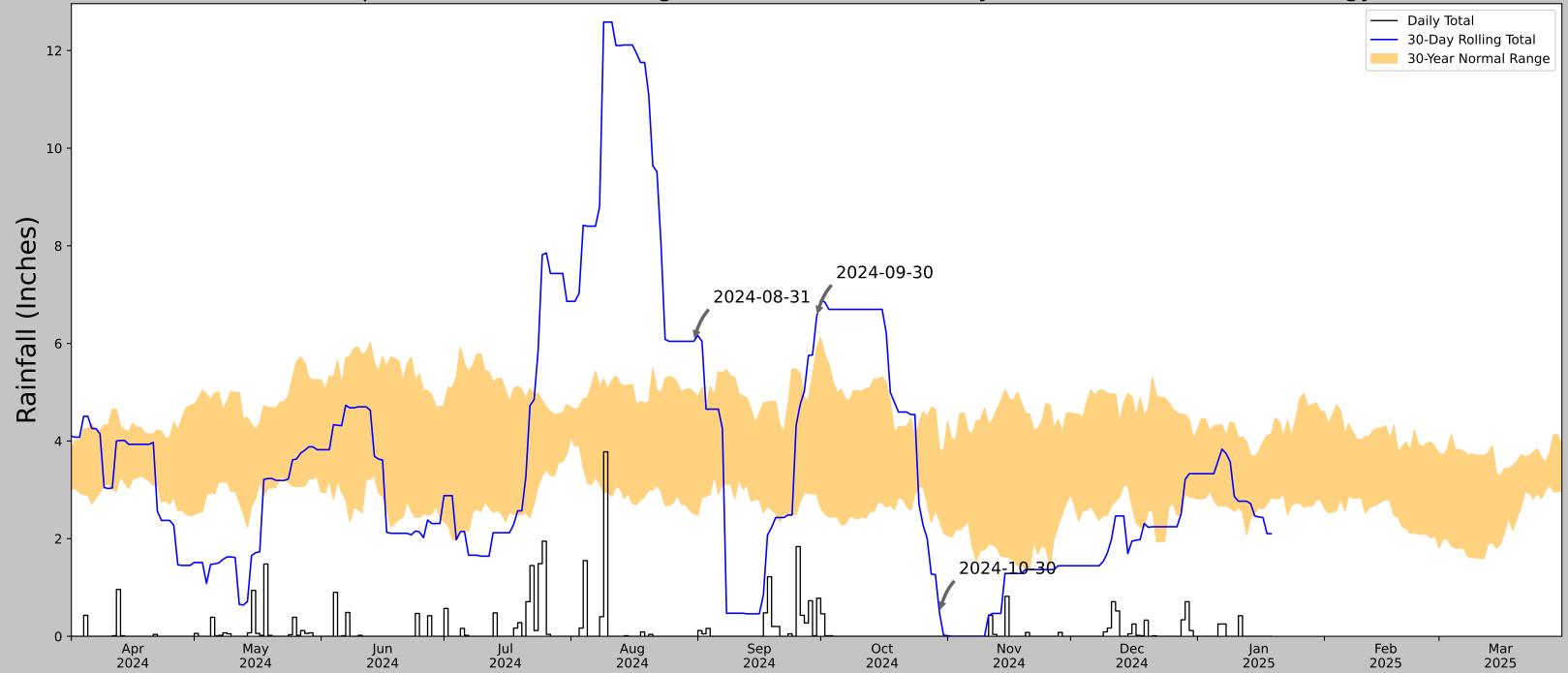
Coordinates	36.806389, -79.368611
Observation Date	2024-10-29
Elevation (ft)	574.18
Drought Index (PDSI)	Incipient drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-10-29	2.587795	4.662599	1.26378	Dry	1	3	3
2024-09-29	2.923228	5.32126	5.76378	Wet	3	2	6
2024-08-30	2.583465	5.06811	6.043307	Wet	3	1	3
Result							Normal Conditions - 12



Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
СНАТНАМ	36.8219, -79.4103	646.982	2.543	72.802	1.329	11343	90
CHATHAM 5.9 SW	36.7512, -79.4635	812.992	5.703	166.01	3.513	4	0
RINGGOLD 2.6 NNW	36.643, -79.312	676.837	13.506	29.855	6.481	1	0
PITTSVILLE 4.5 NNW	37.0508, -79.4822	683.071	16.306	36.089	7.926	1	0
DANVILLE RGNL AP	36.5728, -79.335	551.837	17.709	95.145	9.654	1	0
ALTAVISTA	37.1125, -79.2753	534.121	21.417	112.861	12.055	1	0
DANVILLE 2 SE	36.5628, -79.3633	392.06	18.09	254.922	12.752	2	0



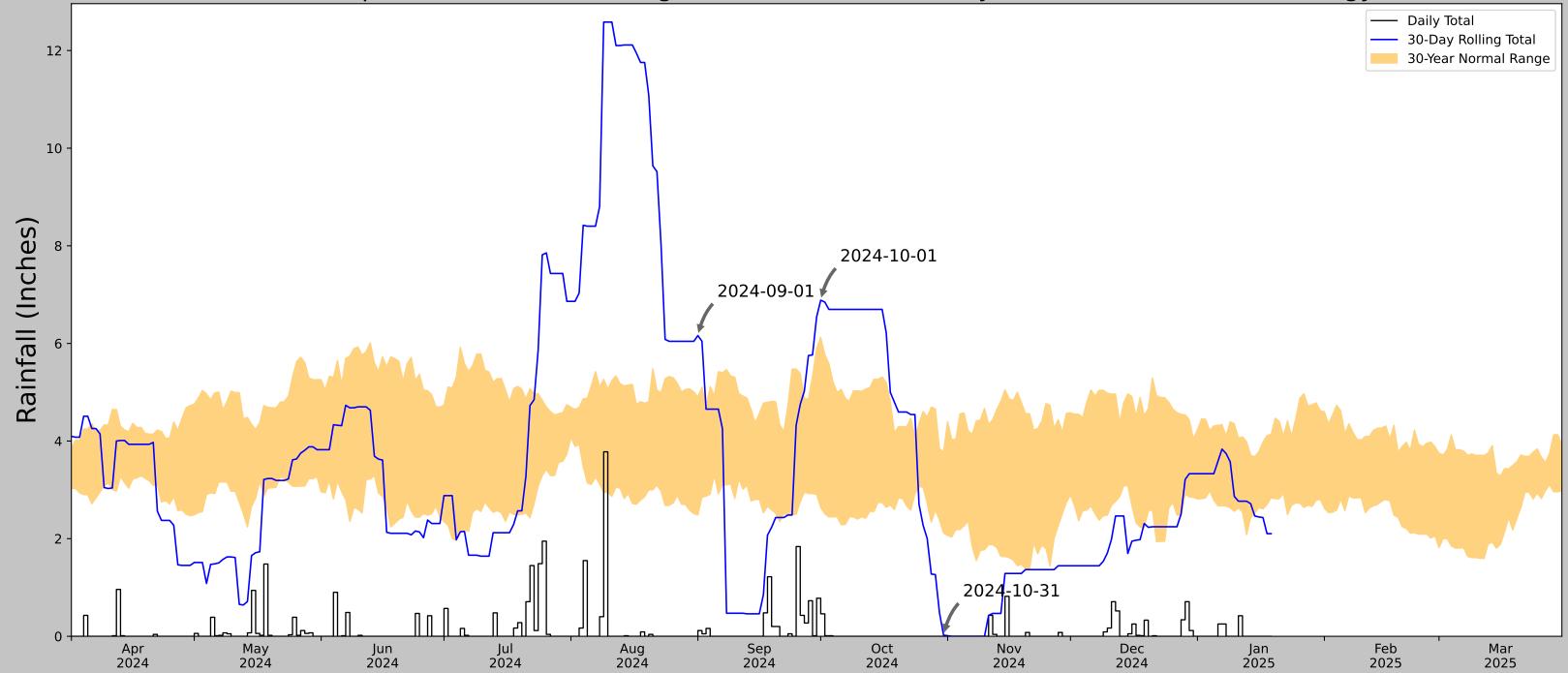
Coordinates	36.806389, -79.368611
Observation Date	2024-10-30
Elevation (ft)	574.18
Drought Index (PDSI)	Incipient drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-10-30	2.382677	3.84252	0.484252	Dry	1	3	3
2024-09-30	2.906693	5.898819	6.543307	Wet	3	2	6
2024-08-31	2.512599	5.008662	6.043307	Wet	3	1	3
Result							Normal Conditions - 12



Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CHATHAM	36.8219, -79.4103	646.982	2.543	72.802	1.329	11343	90
CHATHAM 5.9 SW	36.7512, -79.4635	812.992	5.703	166.01	3.513	4	0
RINGGOLD 2.6 NNW	36.643, -79.312	676.837	13.506	29.855	6.481	1	0
PITTSVILLE 4.5 NNW	37.0508, -79.4822	683.071	16.306	36.089	7.926	1	0
DANVILLE RGNL AP	36.5728, -79.335	551.837	17.709	95.145	9.654	1	0
ALTAVISTA	37.1125, -79.2753	534.121	21.417	112.861	12.055	1	0
DANVILLE 2 SE	36.5628, -79.3633	392.06	18.09	254.922	12.752	2	0



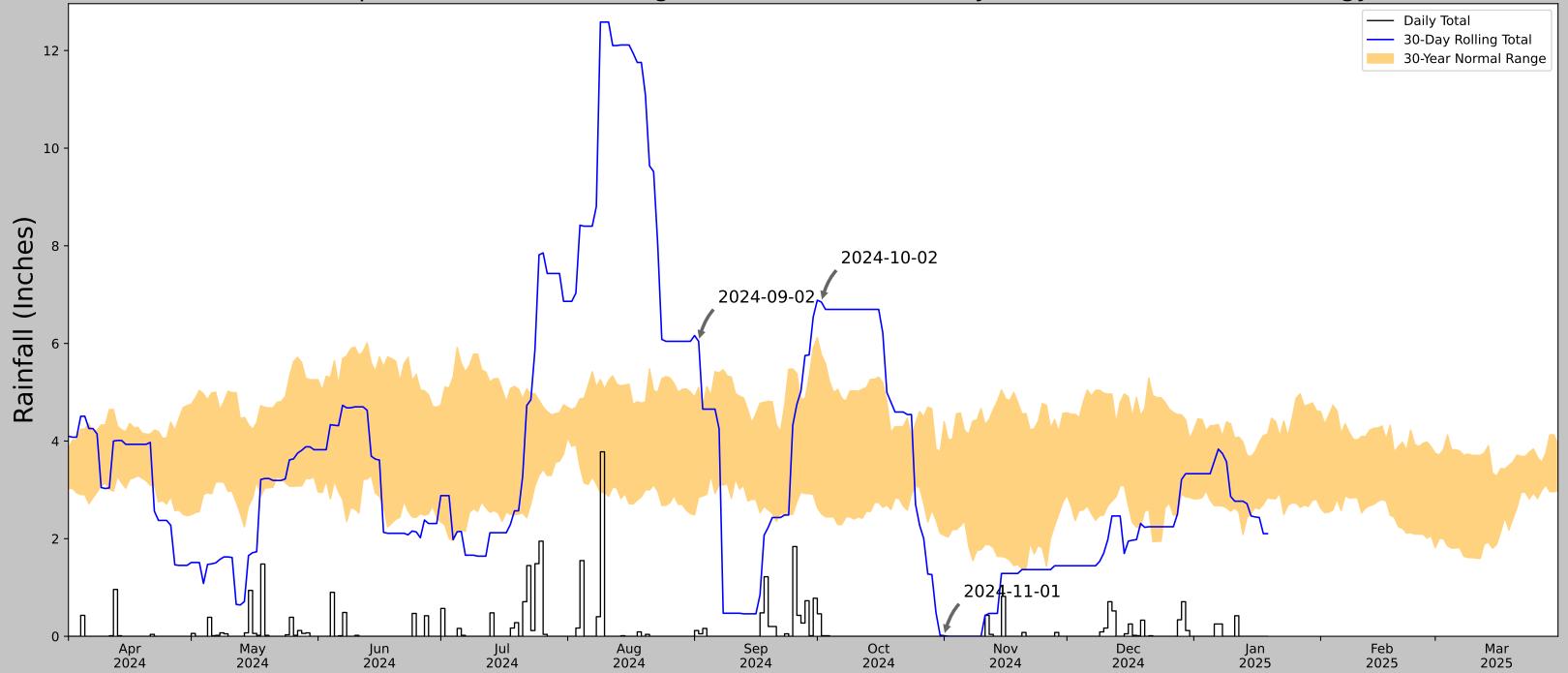
Coordinates	36.806389, -79.368611
Observation Date	2024-10-31
Elevation (ft)	574.18
Drought Index (PDSI)	Incipient drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-10-31	2.112205	3.782284	0.023622	Dry	1	3	3
2024-10-01	2.638189	6.125591	6.885827	Wet	3	2	6
2024-09-01	2.485433	4.901181	6.161418	Wet	3	1	3
Result							Normal Conditions - 12



Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
СНАТНАМ	36.8219, -79.4103	646.982	2.543	72.802	1.329	11343	90
CHATHAM 5.9 SW	36.7512, -79.4635	812.992	5.703	166.01	3.513	4	0
RINGGOLD 2.6 NNW	36.643, -79.312	676.837	13.506	29.855	6.481	1	0
PITTSVILLE 4.5 NNW	37.0508, -79.4822	683.071	16.306	36.089	7.926	1	0
DANVILLE RGNL AP	36.5728, -79.335	551.837	17.709	95.145	9.654	1	0
ALTAVISTA	37.1125, -79.2753	534.121	21.417	112.861	12.055	1	0
DANVILLE 2 SE	36.5628, -79.3633	392.06	18.09	254.922	12.752	2	0



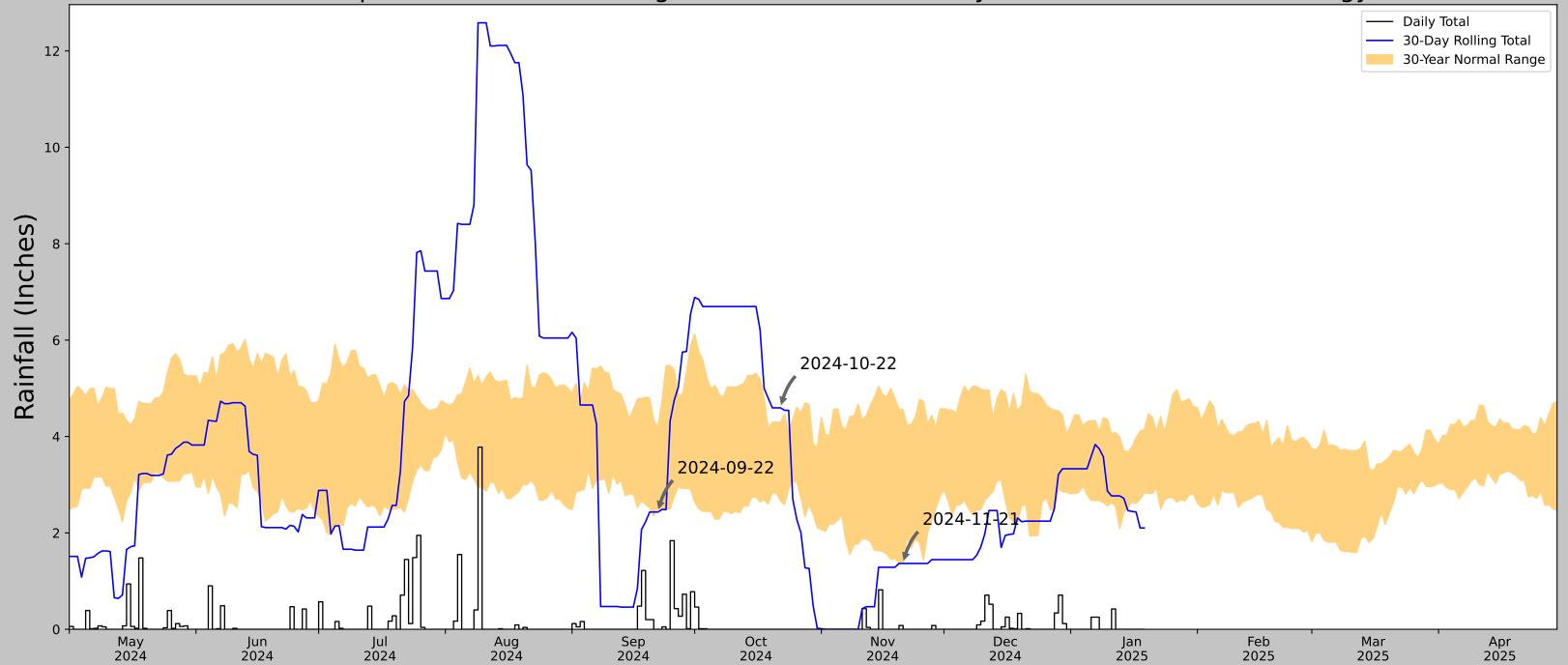
Coordinates	36.806389, -79.368611
Observation Date	2024-11-01
Elevation (ft)	574.18
Drought Index (PDSI)	Mild drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-11-01	2.065748	4.397244	0.011811	Dry	1	3	3
2024-10-02	2.509055	5.770079	6.846457	Wet	3	2	6
2024-09-02	2.847244	5.104331	6.043307	Wet	3	1	3
Result							Normal Conditions - 12



Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
СНАТНАМ	36.8219, -79.4103	646.982	2.543	72.802	1.329	11343	90
CHATHAM 5.9 SW	36.7512, -79.4635	812.992	5.703	166.01	3.513	4	0
RINGGOLD 2.6 NNW	36.643, -79.312	676.837	13.506	29.855	6.481	1	0
PITTSVILLE 4.5 NNW	37.0508, -79.4822	683.071	16.306	36.089	7.926	1	0
DANVILLE RGNL AP	36.5728, -79.335	551.837	17.709	95.145	9.654	1	0
ALTAVISTA	37.1125, -79.2753	534.121	21.417	112.861	12.055	1	0
DANVILLE 2 SE	36.5628, -79.3633	392.06	18.09	254.922	12.752	2	0



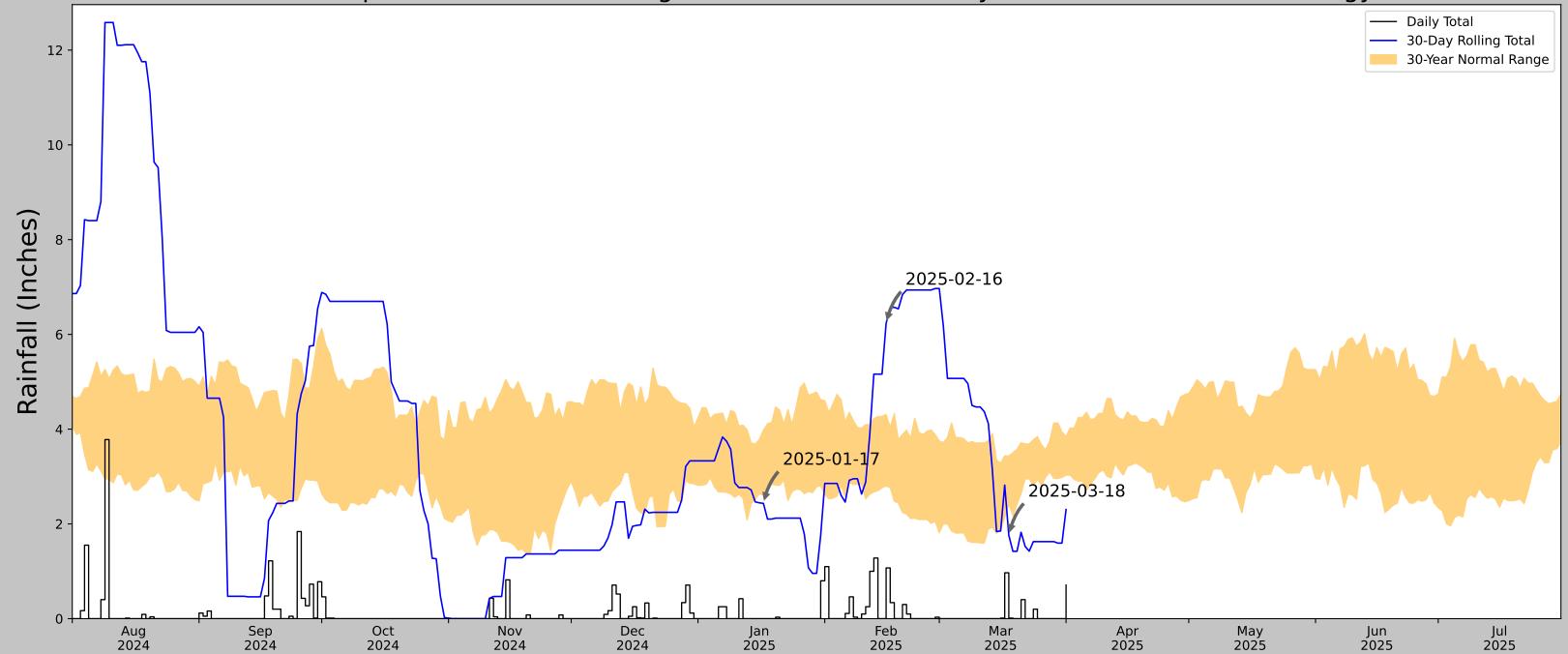
Coordinates	36.806389, -79.368611
Observation Date	2024-11-21
Elevation (ft)	574.18
Drought Index (PDSI)	Mild drought
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2024-11-21	1.368898	4.561417	1.366142	Dry	1	3	3
2024-10-22	2.666142	4.296851	4.594488	Wet	3	2	6
2024-09-22	2.514961	4.197244	2.433071	Dry	1	1	1
Result							Normal Conditions - 10



Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
CHATHAM	36.8219, -79.4103	646.982	2.543	72.802	1.329	11343	89
CHATHAM 4.9 ENE	36.8576, -79.3237	692.913	5.387	45.931	2.672	0	1
CHATHAM 5.9 SW	36.7512, -79.4635	812.992	5.703	166.01	3.513	4	0
RINGGOLD 2.6 NNW	36.643, -79.312	676.837	13.506	29.855	6.481	1	0
PITTSVILLE 4.5 NNW	37.0508, -79.4822	683.071	16.306	36.089	7.926	1	0
DANVILLE RGNL AP	36.5728, -79.335	551.837	17.709	95.145	9.654	1	0
ALTAVISTA	37.1125, -79.2753	534.121	21.417	112.861	12.055	1	0
DANVILLE 2 SE	36.5628, -79.3633	392.06	18.09	254.922	12.752	2	0



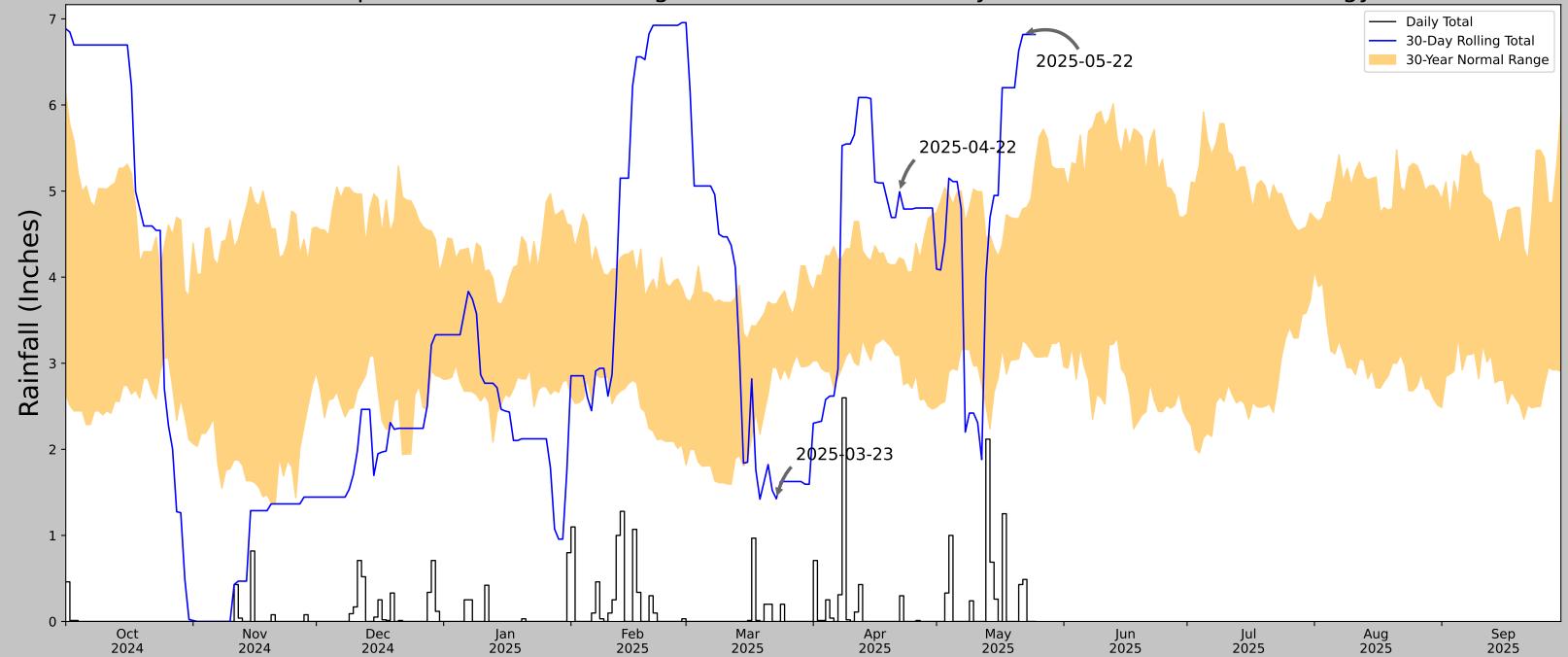
Coordinates	36.743108, -79.432462
Observation Date	2025-03-18
Elevation (ft)	725.743
Drought Index (PDSI)	Incipient wetness (2025-02)
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-03-18	2.428347	3.430315	1.759843	Dry	1	3	3
2025-02-16	2.801575	4.309843	6.232284	Wet	3	2	6
2025-01-17	2.608662	3.977165	2.433071	Dry	1	1	1
Result							Normal Conditions - 10



Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
СНАТНАМ	36.8219, -79.4103	646.982	5.58	78.761	2.951	11343	85
CHATHAM 4.9 ENE	36.8576, -79.3237	692.913	5.387	45.931	2.672	0	1
CHATHAM 5.9 SW	36.7512, -79.4635	812.992	5.703	166.01	3.513	4	0
JAVA 0.9 NNW	36.8497, -79.2316	612.861	10.067	34.121	4.874	0	1
RINGGOLD 2.6 NNW	36.643, -79.312	676.837	13.506	29.855	6.481	1	0
GRETNA 0.5 WNW	36.9545, -79.3724	910.105	9.398	263.123	6.702	0	2
PITTSVILLE 4.5 NNW	37.0508, -79.4822	683.071	16.306	36.089	7.926	1	0
DANVILLE RGNL AP	36.5728, -79.335	551.837	17.709	95.145	9.654	1	1
ALTAVISTA	37.1125, -79.2753	534.121	21.417	112.861	12.055	1	0
DANVILLE 2 SE	36.5628, -79.3633	392.06	18.09	254.922	12.752	2	0



Coordinates	36.806111, -79.368611
Observation Date	2025-05-22
Elevation (ft)	574.051
Drought Index (PDSI)	Mild drought (2025-04)
WebWIMP H ₂ O Balance	Wet Season

30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-22	3.266929	4.795669	6.818898	Wet	3	3	9
2025-04-22	3.092126	4.226378	4.992126	Wet	3	2	6
2025-03-23	2.950394	3.687008	1.425197	Dry	1	1	1
Result							Wetter than Normal - 16



Figures and tables made by the Antecedent Precipitation Tool Version 2.0

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
СНАТНАМ	36.8219, -79.4103	646.982	2.551	72.931	1.334	11343	84
CHATHAM 5.9 SW	36.7512, -79.4635	812.992	5.703	166.01	3.513	4	0
JAVA 0.9 NNW	36.8497, -79.2316	612.861	10.067	34.121	4.874	0	2
DANVILLE 5.5 N	36.6627, -79.4199	670.932	11.013	23.95	5.22	0	1
RINGGOLD 2.6 NNW	36.643, -79.312	676.837	13.506	29.855	6.481	1	0
GRETNA 0.5 WNW	36.9545, -79.3724	910.105	9.398	263.123	6.702	0	1
PITTSVILLE 4.5 NNW	37.0508, -79.4822	683.071	16.306	36.089	7.926	1	0
DANVILLE RGNL AP	36.5728, -79.335	551.837	17.709	95.145	9.654	1	2
ALTAVISTA	37.1125, -79.2753	534.121	21.417	112.861	12.055	1	0
DANVILLE 2 SE	36.5628, -79.3633	392.06	18.09	254.922	12.752	2	0

NC DWQ Stream Identification Form Version 4.11

Project/Site: Cherrystone PRM Site	Date: March 18, 2025 County: Pittsylvania County		Data Point: L182-A; Stream L-182-1 Lat/Long: 36.801651°, -79.367329°			
Evaluator: Abby DeCesare and Rachel Shumway						
Total Points: 25 Stream is at least intermittent if ≥ 19 or perennial if ≥ 30*			Stream Determir Intermitten			
A. Geomorphology Subtotal = 3.5	Absent	Weak	Moderate	Strong	Score	
1ª Continuity of channel bed and bank	0	1	2	3	3	
2. Sinuosity of channel along thalweg	0	1	2	3	2	
3. In-channel structure: ex. riffle-pool, step-pool, ripple-pool sequence	0	1	2	3	1	
Particle size of stream substrate	0	1	2	3	1	
5. Active/relict floodplain	0	1	2	3	0	
6. Depositional bars or benches	0	1	2	3	2	
7. Recent alluvial deposits	0	1	2	3	0	
8. Headcuts	0	1	2	3	0	
9. Grade control	0	0.5	1	1.5	0.5	
10. Natural valley	0	0.5	1	1.5	0.5	
11. Second or greater order channel	No	= 0	Yes = 3		0	
^a artificial ditches are not rated; see discussions in manual						
B. Hydrology Subtotal = 1.5						
12. Presence of Baseflow	0	1	2	3	3	
13. Iron oxidizing bacteria	0	1	2	3	0	
14. Leaf litter	1.5	1	0.5	0	1.5	
15. Sediment on plants or debris	0	0.5	1	1.5	0.5	
16. Organic debris lines or piles	0	0.5	1	1.5	1	
17. Soil-based evidence of high water table?	No	= 0	Yes = 3		3	
C. Biology Subtotal = 6						
18. Fibrous roots in streambed	3	2	1	0	3	
19. Rooted upland plants in streambed	3	2	1	0	3	
20. Macrobenthos (note diversity and abundance)	0	1	2	3	0	
21. Aquatic Mollusks	0	1	2	3	0	
22. Fish	0	0.5	1	1.5	0	
23. Crayfish	0	0.5	1	1.5	0	
24. Amphibians	0	0.5	1	1.5	0	
25. Algae	0	0.5	1	1.5	0	
26. Wetland plants in streambed			5; OBL = 1.5 Other =	0	0	
*perennial streams may also be identified using other meth Notes:	ods. See p. 35 o	f manual.				

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: Cherrystone PRM Site City/C	County: Pittsylvania Sampling Date: 2024-11-01				
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-318				
Investigator(s):KZ Section, Township, Range:					
Landform (hillslope, terrace, etc.): Floodplain Local reli					
Subregion (LRR or MLRA): P 136 Lat: 36.80714869					
Soil Map Unit Name: 7A - Codorus Ioam, 0 to 2 percent slopes,					
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					
· — · · · · · · · · · · · · · · · · · ·					
SUMMARY OF FINDINGS – Attach site map showing sam	ipling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes <u>✓</u> No	Is the Sampled Area				
Hydric Soil Present? Yes <u>✓</u> No	within a Wetland? Yes 🗸 No				
Wetland Hydrology Present? Yes No					
Remarks:					
All three wetland parameters (i.e., wetland hyd	rology hydrophytic vogotation, and hydric				
All three wetland parameters (i.e., wetland hyd	rology, flydropflytic vegetation, and flydric				
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 Od	or (C1) Drainage Patterns (B10)				
Saturation (A3) Oxidized Rhizosphere					
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 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):					
. 4					
Saturation Present? Yes No Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes V No				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:				
Domotico					
Remarks:					

Sampling	Point:	DP-318
Januaria	i Oilit.	

	Absolute	Dominant	Indicator	Dominance Test worksheet:	
Tree Stratum (Plot size: 30 ft r)		Species?			
1. Acer rubrum	20	<u> </u>	FAC	Number of Dominant Species That Are OBL FACW or FAC: 6	۸ ۱
				That Are OBL, FACW, or FAC: 6 (A	٦)
2. Betula nigra	20		FACW	Total Number of Dominant	
3. Liquidambar styraciflua	20		FAC	Species Across All Strata: 8 (E	3)
4. Acer negundo	15	~	FAC		· .
5				Percent of Dominant Species	
5				That Are OBL, FACW, or FAC: 75.00 (A	4/B)
6				Prevalence Index worksheet:	
7					
	75	= Total Cov	er	Total % Cover of: Multiply by:	
50% of total cover: <u>37.50</u>	20% of	total cover:	15.00	OBL species 0 x 1 = 0	
Sapling/Shrub Stratum (Plot size: 15 ft r		•		FACW species 20 x 2 = 40	
1. Ligustrum sinense	5	~	FACU	FAC species 63 x 3 = 189	
	3			10	
2. Carpinus caroliniana	3		FAC		
3				UPL species <u>0</u>	
4				Column Totals: <u>93</u> (A) <u>269</u> ((B)
5				Prevalence Index = B/A = 2.89	
6				Hydrophytic Vegetation Indicators:	
7					
8				1 - Rapid Test for Hydrophytic Vegetation	
9				✓ 3 - Prevalence Index is ≤3.0 ¹	
		= Total Cov		4 - Morphological Adaptations ¹ (Provide suppor	rtina
50% of total cover: 4.00	20% of	total cover:	1.60	data in Remarks or on a separate sheet)	9
Herb Stratum (Plot size: 5 ft r)					
1. Ligustrum sinense	5	✓	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)	
2 Persicaria virginiana	5		FAC		
				¹ Indicators of hydric soil and wetland hydrology mus	st
3				be present, unless disturbed or problematic.	
4				Definitions of Four Vegetation Strata:	
5				Definitions of Four Vegetation offata.	
				Tree – Woody plants, excluding vines, 3 in. (7.6 cm	ı) or
6				more in diameter at breast height (DBH), regardless	s of
7				height.	
8					
9				Sapling/Shrub – Woody plants, excluding vines, let than 3 in. DBH and greater than or equal to 3.28 ft (
				m) tall.	(1
10				m) tall.	
11				Herb – All herbaceous (non-woody) plants, regardle	ess
	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		
Woody Vine Stratum (Plot size: 30 ft r)	<u></u>	•	<u> </u>	Woody vine – All woody vines greater than 3.28 ft i	in
				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 woody vine stratum was observed	d at thi	s data p	oint.		
					ļ

Profile Desc	ription: (Describe	to the dep	th needed to docur	nent the	indicator	or confirm	the absence	of indicators.)
Depth	Matrix			x Feature	s			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 20	2.5Y 6/2	75	7.5YR 5/8	25	С	PL / M	Sandy Clay Loam	
				-				
					· -			
				-				
-								
				-	· 	-		
-								
		letion, RM	=Reduced Matrix, MS	S=Maske	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	(S7)			2	cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (N	/ILRA 147,	148) C	Coast 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	d Matrix	(F2)		P	Piedmont Floodplain Soils (F19)
Stratified	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				c	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				3	
	Gleyed Matrix (S4)		Umbric Surfa					licators of hydrophytic vegetation and
-	ledox (S5)		Piedmont Flo					etland 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:								,
Depth (in	ches):						Hydric Soil	Present? Yes V No
Remarks:								

Project/Site: Cherrystone PRM Site City/C	County: Pittsylvania County Sampling Date: 2024-11-01					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-319					
restigator(s): JF Section, Township, Range:						
andform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): Concave Slope (%): 0-2						
Lat: 36.8057306 Long: -79.370257 Datum: WGS						
Soil Map Unit Name: 41A - Hatboro silt loam, 0 to 2 percent slop						
Are climatic / hydrologic conditions on the site typical for this time of year?	res V No (If no, explain in Remarks.)					
	rbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem	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 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 hydrolls) were satisfied at this data point.	Irology, hydrophytic vegetation, and hydric					
HYDROLOCY						
HYDROLOGY Western Hydrology Indicators	Secondary Indicators (minimum of two required)					
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required) 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 Reduce	- ' '					
Sediment Deposits (B2) Recent Iron Reduction						
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)	<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): 7						
	Western d Understamin Breasant 2 - Ves - V - No					
(includes capillary fringe)	Wetland Hydrology Present? Yes Vo. No.					
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						

204		Dominant		Dominance Test worksheet:	
Γ <u>ree Stratum</u> (Plot size: <u>30 ft r</u>) 1	% Cover			Number of Dominant Species That Are OBL, FACW, or FAC: 1	(A)
2 3				Total Number of Dominant Species Across All Strata: 1	(B)
l 5		-		Percent of Dominant Species That Are OBL, FACW, or FAC: 100.00	(A/B)
3					_ ` ′
7				Prevalence Index worksheet:	
		= Total Cov		Total % Cover of: Multiply by OBL species 37 x 1 = 37	<u>:</u>
50% of total cover:	20% of	total cover		OBL opeoico x 1	
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{85}{2}$ x 2 = $\frac{170}{2}$	
1				FAC species $0 \times 3 = 0$	
2				FACU species $0 x 4 = 0$	
3				UPL species <u>0</u> x 5 = <u>0</u>	
1				Column Totals: <u>122</u> (A) <u>207</u>	(B)
5				5 5 160	
<u> </u>				Prevalence Index = B/A = 1.69	
7				Hydrophytic Vegetation Indicators:	
				1 - Rapid Test for Hydrophytic Vegetation	1
3				✓ 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 she	et)
1. Vernonia noveboracensis	75	~	FACW	Problematic Hydrophytic Vegetation ¹ (Ex	plain)
2. Persicaria sagittata	15		OBL		
2. Fersicana sagittata 3. Symphyotrichum puniceum	15		OBL	¹ Indicators of hydric soil and wetland hydrolog	gy must
	10	-	FACW	be present, unless disturbed or problematic.	
4. Juncus effusus	10		FACW	Definitions of Four Vegetation Strata:	
5. Carex sp.			<u> </u>	Tree – Woody plants, excluding vines, 3 in. (7)	7.6 cm) o
6. Persicaria hydropiper	5		OBL	more in diameter at breast height (DBH), rega	
_{7.} Cephalanthus occidentalis	2		OBL	height.	
8				Sapling/Shrub – Woody plants, excluding vii	nee lees
9				than 3 in. DBH and greater than or equal to 3	
10				m) tall.	
11				Herb – All herbaceous (non-woody) plants, re	anardless
	132	= Total Cov	er	of size, and woody plants less than 3.28 ft tal	l.
50% of total cover: 66.00				Manda di Cina All Consello Cina a manta di than S	00 ft :
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3 height.	.28 π In
1,				Hoight.	
2.					
3					
4			· ——	Hydrophytic	
5				Vegetation Present? Yes ✓ No	
50% of total cover:		= Total Cov			_
		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	
		** ~ ! ~ \	- NO O I V	oa at tino aata ponit.	

Profile Desc	ription: (Describe t	to the dep	th needed to docun	nent the i	ndicator	or confirm	the absence	of indicators.)
Depth	Matrix	0/		K Features		12	T	Damada
(inches) 0 - 4	Color (moist) 10YR 4/2	<u>%</u> 80	Color (moist) 10YR 3/4	% 20	Type ¹	Loc ²	Texture Silty Clay Loam	Remarks
4 - 11	10YR 5/1	70	5YR 4/6	30	C	PL / M	Clay Loam	Gravel was located within soil range.
11 - 17	10 YR 4/1	75	5YR 4/6	25	C	PL/M	Clay Loam	Craver was located within son range.
17 - 24	10 YR 4/1	85	5YR 4/4	15	C	PL / M	Clay	
- 17 - 24	10114/1	00	31K 4/4	13	<u> </u>	1 2 / 141	Clay	
						-		
'Type: C=Co		etion, RM:	=Reduced Matrix, MS	S=Masked	Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
-			Dark Surface	(87)				•
Histosol	ipedon (A2)		Dark Surface		ce (S8) (N	ILRA 147.		cm Muck (A10) (MLRA 147) oast Prairie Redox (A16)
Black His			Thin Dark Su		. , .		140) 0	(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye				P	iedmont Floodplain Soils (F19)
	Layers (A5)		Depleted Mat					(MLRA 136, 147)
	ck (A10) (LRR N)	(* ()	Redox Dark S	•				ery Shallow Dark Surface (TF12)
	l Below Dark Surface irk Surface (A12)	e (A11)	Depleted Dar Redox Depre				0	ther (Explain in Remarks)
	lucky Mineral (S1) (L	RR N.	Iron-Mangane			LRR N.		
-	147, 148)	,	MLRA 136		<u>-</u> / (,		
	leyed Matrix (S4)		Umbric Surfa	ce (F13) (icators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6)		Red Parent M	faterial (F	21) (MLR	A 127, 147	7) un	less disturbed or problematic.
	ayer (if observed):							
Type:	de a a V						Usalaia Cail	Present? Yes No
Depth (inc	cnes):						Hydric Soil	Present? Yes No No
Remarks:								

Project/Site: Cherrystone PRM Site City/0	Site City/County: Pittsylvania Sampling Date: 2024-11-					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-320						
Investigator(s): JF Section, Township, Range:						
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%): 0-2						
Subregion (LRR or MLRA): P 136 Lat: 36.80573082						
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	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 No 🗸						
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V	Is the Sampled Area					
Wetland Hydrology Present? Yes No ✓	within a Wetland? Yes No					
Remarks:						
None of the three wetland parameters (i.e., we	etland hydrology, hydrophytic vegetation, or					
hydric soils) were satisfied at this data point.						
Try and cone, word cationed at time 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	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):						
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.						

EGETATION (Four Strata) – Use scientific n	ames of	plants.		Sampling Point: DP-320
20.4			t 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: 3 (B)
4				Percent of Dominant Species
5				That Are OBL, FACW, or FAC: 33.33 (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 0.	10101 0010		FACW species <u>0</u> x 2 = <u>0</u>
1				FAC species 27 x 3 = 81
2				FACU species 25 x 4 = 100
3				UPL species 0 x 5 = 0
4				Column Totals: <u>52</u> (A) <u>181</u> (B)
5				2.10
6				Prevalence Index = B/A = 3.48
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:	20% of	total cove	r:	4 - Morphological Adaptations¹ (Provide supporting
Herb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
1. Dichanthelium clandestinum	20		FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Asclepias syriaca	10		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Lolium arundinaceum	10		FACU	be present, unless disturbed or problematic.
4. Solidago altissima	5		FACU	Definitions of Four Vegetation Strata:
5. Toxicodendron radicans	5		FAC	
6. Ranunculus bulbosus	2		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
7 _. aster sp.	2			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% of total cover: 27.00		= Total Co		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30 ft r)	20% 01	total cove	1. 10.00	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:				
Remarks: (Include photo numbers here or on a separate s			· ·	
No tree, sapling/shrub, or woody vine	e strata	were	observ	ed at this data point.

rofile Descr	ription: (Describ	e to the de	pth needed to docu	ment the	indicato	r or confir	m the absence	of indicato	rs.)	
Depth	Matrix			ox Feature		12	T		D	
nches) 0 - 9	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>	-	Remarl	KS
	10YR 4/4	100	40VP 0/0				Loam			
9 - 14	10YR 4/4	95	10YR 3/6	5	<u>C</u>	_ <u>M</u>	Loam			
14 - 22	10YR 5/3	60	7.5YR 4/6	40	<u>C</u>	<u> M</u>	Clay Loam			
-										
-										
-				· ·						
_										
			-							
			A. Dardon and Madeiro M				21 4: DI	Daniel Linia	NA NA-4	ut
	ndicators:	epietion, Ri	/I=Reduced Matrix, M	iS=iviaske	a Sand G	rains.	² Location: Pl			rıx. Hydric Soils
Histosol (Dark Surfac	۵ (۲۵)				cm Muck (A		•
	ipedon (A2)		Polyvalue B		re (S8)	MI RΔ 147		oast Prairie		
Black His			Thin Dark S				, 140, 0	(MLRA 14		10)
	n Sulfide (A4)		Loamy Gley			,,	Р	iedmont Flo		oils (F19)
	Layers (A5)		Depleted Ma		(- –)		_	(MLRA 13		(* 15)
	ck (A10) (LRR N)		Redox Dark		- 6)		v	ery Shallow		ace (TF12)
	Below Dark Surf		Depleted Da	rk Surface	(F7)		0	ther (Explai	n in Rema	rks)
	rk Surface (A12)		Redox Depr							
	ucky Mineral (S1)) (LRR N,	Iron-Mangar		es (F12)	(LRR N,				
	. 147, 148)		MLRA 13		/MI DA /	00 400\	31		alaa alaa dha	
	leyed Matrix (S4)		Umbric Surf					-		vegetation and
Sandy Re	Matrix (S6)		Piedmont FI Red Parent					tland hydrol ess disturbe		
	ayer (if observe	d):	red r arent	iviateriai (i	21) (IVIL	121, 17	T uni	C33 distuible	or probl	Ciliatio.
Type:	.,									
• • • • • • • • • • • • • • • • • • • •							Hydric Soil	Present?	Yes	No 🗸
Depth (Inc.	hes):									
	:hes):									
	hes):									
	hes):						1 -			
	hes):									
	hes):						1,			
	hes):						,			
	hes):									
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	hes):									
	hes):									
	hes):									
	hes):									
	hes):									
	hes):									
Depth (inc	hes):									
	hes):									
	hes):									

Project/Site: Cherrystone PRM Site City	/County: Pittsylvania Sampling Date: 2024-11-01					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-321					
nvestigator(s):KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%): 0-2						
Subregion (LRR or MLRA): P 136 Lat: 36.80652553 Long: -79.37169827 Datum: WGS 84						
Soil Map Unit Name: 41A - Hatboro silt loam, 0 to 2 percent slo	nes frequently flooded N/A					
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 problematic? (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? Hydric Soil Present? Yes No Yes No No	Is the Sampled Area					
Hydric Soil Present? Wetland Hydrology Present? Yes ✓ No No	within a Wetland? Yes No					
Remarks:						
All three wetland parameters (i.e., wetland hy 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						
High Water Table (A2) Seturation (A2) Hydrogen Sulfide O						
Saturation (A3) Water Marks (B1) Oxidized Rhizosphe 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, p	revious inspections), if available:					
Remarks:						

Sampling	Point:	DP-321
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00.6	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)
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:
50% of total cover:		= Total Cov		OBL species 60 x 1 = 60
Sapling/Shrub Stratum (Plot size: 15 ft r)	20 /6 01	total cover.		FACW species $0 \times 2 = 0$
				FAC species 12 x 3 = 36
1				FACU species 15 x 4 = 60
2				UPL species $0 \times 5 = 0$
3				Column Totals: 87 (A) 156 (B)
4				(,
5				Prevalence Index = B/A = 1.79
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
F00/ - f4-4-1		= 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)	60	~	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
1. Carex lurida 2. Solidago altissima	15		FACU	
3. Verbesina alternifolia	12		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
40.50		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>43.50</u>	20% of	total cover:	17.40	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 Present? Yes V No
		= Total Cov		Present? Yes V No 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 o	bserv	ed at this data point.
				•

Profile Desc	ription: (Describe	to the dep	th needed to docum	nent the	indicator	or confirm	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	2.5Y 5/1	70	7.5YR 5/6	30	<u>C</u>	PL / M	Clay Loam	
10 - 22	2.5Y 5/1	55	7.5YR 5/6	30	С	<u>M</u>	Clay Loam	
10 - 22			7.5YR 6/4	15	С	M	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)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfa	ice (S8) (N	ILRA 147,	148) C	oast Prairie Redox (A16)
Black Hi	stic (A3)		Thin Dark Su	rface (S9) (MLRA '	147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)		Pi	iedmont Floodplain Soils (F19)
Stratified	l Layers (A5)		✓ Depleted Mar	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) (L	_RR N,	Iron-Mangan		es (F12) (LRR N,		
	147, 148)		MLRA 13		(BAL D.A. 40	0 400\	31	Santana of landarda di ana antati an and
-	Sleyed Matrix (S4)		Umbric Surfa					cators of hydrophytic vegetation and
-	edox (S5)		Piedmont Flo					tland hydrology must be present,
	Matrix (S6) _ayer (if observed):		Red Parent N	nateriai (F	(IVILR	A 127, 147	r) unii	ess disturbed or problematic.
Type:	Layer (ii observed).							
• • • • • • • • • • • • • • • • • • • •	ches):						Hydric Soil	Present? Yes V No
Remarks:							, , , , , , , , , , , , , , , , , , , ,	
remarks.								

Project/Site: Cherrystone PRM Site City.	County: Pittsylvania County Sampling Date: 2024-11-01					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC						
nvestigator(s):KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 3-6						
Subregion (LRR or MLRA): P 136 Lat: 36.80628967						
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						
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., we	etland hydrology, hydronhytic vegetation, or					
	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 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						
Iron Deposits (B5)	Geomorphic Position (D2) Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7) Water-Stained Leaves (B9)	Siraliow Aquitato (D3) Microtopographic Relief (D4)					
Aquatic Fauna (B13)	Nicrotopographic Relief (D4) 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, p	revious inspections), if available:					
Remarks:						
No bandonto mana abanda da Abita da Abita						
No hydrology was observed at this data point	•					

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EGETATION (Four Strata) – Use scientific r		-	Indicator	Sampling Point: DP-322
ree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
,				Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
		-		
				Total Number of Dominant Species Across All Strata: 3 (B)
		-	·	Species Across All Strata: 3 (B)
		-		Percent of Dominant Species
	- ———	-		That Are OBL, FACW, or FAC: 0.00 (A/B)
-		-		Prevalence Index worksheet:
				Total % Cover of: Multiply by:
EOO/ of total cover		= Total Cov		OBL species 0 x 1 = 0
50% of total cover:	20% 01	total cover		FACW species $0 \times 2 = 0$
apling/Shrub Stratum (Plot size: 15 ft r)				FAC species 5 x 3 = 15
				FACU species 82 x 4 = 328
				UPL species 0 x 5 = 0
			<u> </u>	Column Totals: <u>87</u> (A) <u>343</u> (B)
			· ——	Prevalence Index = B/A = 3.94
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
		= Total Cov	/er	
50% of total cover:	20% of	total cover	<u>. </u>	4 - Morphological Adaptations ¹ (Provide supporting
lerb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
Lolium arundinaceum	40		FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
Apocynum cannabinum	15		FACU	4
Trifolium pratense	15	~	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Plantago major	12	·	FACU	Definitions of Four Vegetation Strata:
Dichanthelium clandestinum	5		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.
				Holght.
	-			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	0.7			Herb – All herbaceous (non-woody) plants, regardless
50% of total cover: 43.50		= Total Cov		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30 ft r)	20% 01	total cover		Woody vine - All woody vines greater than 3.28 ft in
yoody vine Stratum (Plot Size. 35 TCT)				height.
·				
·	- ——			
-			<u> </u>	Hydrophytic
				Vegetation
		= Total Cov		Present? Yes No
50% of total cover:	20% of	total cover	:	
	-64\			•
emarks: (Include photo numbers here or on a separate	sneet.)			
emarks: (Include photo numbers here or on a separate o tree, sapling/shrub, or woody vin	,		a b a a : :	ad at this data waint

US Army Corps of Engineers

SOIL

Profile Desc	ription: (Describe	to the dept	h needed to docun	ent the ir	ndicator o	r confirm	the absence	of indicator	rs.)	
Depth	Matrix		Redox	c Features	1					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	
0 - 7	7.5YR 3/4	100					Silt Loam			
7 - 18	5YR 4/6	80					Silty Clay Loam			
7 - 18	7.5YR 3/4	20					Silty Clay Loam	Seconda	ary matrix	color.
-		- '								
-										
-										
-		- '								
-										
-		- '								
¹Type: C=Co	oncentration, D=Dep	oletion, RM=	Reduced Matrix, MS	=Masked	Sand Gra	ins.	² Location: P	L=Pore Linin	ıg, M=Matrix	ζ.
Hydric Soil I	ndicators:						Indica	ators for Pro	oblematic H	lydric Soils³:
Histosol	(A1)		Dark Surface	(S7)			2	cm Muck (A	.10) (MLRA	147)
	ipedon (A2)		Polyvalue Be		e (S8) (M	LRA 147.		oast Prairie		
Black His			Thin Dark Su		. , .			(MLRA 147		′
	n Sulfide (A4)		Loamy Gleye			,,	В	iedmont Flo		c (F10)
	Layers (A5)				۷)				•	5 (1 19)
	• ' '		Depleted Mat		٥١			(MLRA 136		(TE 40)
	ck (A10) (LRR N)		Redox Dark S	•	•			ery Shallow		, ,
	Below Dark Surfac	e (A11)	Depleted Dar					ther (Explain	ı ın Remark	S)
	rk Surface (A12)		Redox Depre							
	lucky Mineral (S1) (LRR N,	Iron-Mangane		es (F12) (L	.RR N,				
MLRA	147, 148)		MLRA 136							
Sandy G	leyed Matrix (S4)		Umbric Surfa	ce (F13) (I	MLRA 13	6, 122)	³ Ind	icators of hy	drophytic ve	getation and
Sandy R	edox (S5)		Piedmont Flo				.8) we	tland hydrol	ogy must be	present,
	Matrix (S6)		Red Parent M					less disturbe		•
	ayer (if observed)	:					,			
Type:	,									
• • •	ches):		<u> </u>				Hydric Soil	Present?	Yes	No <u>~</u>
Remarks:							1			

Project/Site: Cherrystone PRM Site City/9	County: Pittsylvania Sampling Date: 2024-11-01					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-323					
nvestigator(s): JF Section, Township, Range:						
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%): 0-2						
Subregion (LRR or MLRA): P 136 Lat: 36.80573017 Long: -79.37025276 Datum: WGS 84						
Soil Map Unit Name: 41A - Hatboro silt loam, 0 to 2 percent slop	pes frequently flooded Navigarasis and 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	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? Remarks: 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 hydeolis) 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 Od Outstand Blicanata						
	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 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, pro	evious inspections), if available:					
Remarks:						

VEGETATION (Four Str

EGETATION (Four Strata) – Use scientific n		Dominant	Indicator	Dominance Test worksheet:
ee 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)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 100.00 (A/E
	. <u> </u>			Basedon a la la serie de la constante de la co
				Prevalence Index worksheet:
		= Total Cov		Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover:	<u> </u>	OBL species $\frac{7}{120}$ $\times 1 = \frac{7}{240}$
pling/Shrub Stratum (Plot size: 15 ft r				FACW species $\frac{120}{15}$ $x = \frac{240}{45}$
			<u> </u>	FAC species $\frac{15}{0}$ $\times 3 = \frac{45}{0}$
				FACU species $0 \times 4 = 0$
				UPL species $0 \times 5 = 0$
				Column Totals: <u>142</u> (A) <u>292</u> (B
				Prevalence Index = B/A = 2.05
				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:	20% of	total cover:		data in Remarks or on a separate sheet)
erb Stratum (Plot size: 5 ft r			E 4 0 14 /	Problematic Hydrophytic Vegetation¹ (Explain)
Juncus effusus	80		FACW	TrobematorTydrophytio Vegetation (Explain)
Lysimachia nummularia	30		FACW	¹ Indicators of hydric soil and wetland hydrology must
Ranunculus repens	10		FAC	be present, unless disturbed or problematic.
Symphyotrichum lateriflorum	5		FACW	Definitions of Four Vegetation Strata:
Echinochloa crus-galli	5		FAC	Tree Meady plants avaluation vines 2 in (7.0 am)
Rosa palustris	5		OBL	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of
Vernonia noveboracensis	5		FACW	height.
Cyperus flavescens	2		OBL	Sapling/Shrub – Woody plants, excluding vines, less
		. <u></u>		than 3 in. DBH and greater than or equal to 3.28 ft (1
)				m) tall.
				Herb – All herbaceous (non-woody) plants, regardles
		= Total Cov		of size, and woody plants less than 3.28 ft tall.
50% of total cover: <u>71.00</u>	20% of	total cover:	28.40	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 No
50% of total cover:	20% of	total cover:		

Profile Desc	ription: (Describe	to the dep	oth needed to docur	nent the	indicator	or confirm	n the absence o	of indicators.)
Depth	Matrix		Redo	x Feature	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 6	10YR 4/2	70	7.5YR 4/6	30	С	PL / M	Clay Loam	
6 - 11	10YR 5/2	60	7.5YR 3/4	40	С	PL / M	Clay Loam	
11 - 20	10YR 4/1	75	7.5YR 4/4	25	С	PL / M	Silty Clay Loam	
-								
					<u> </u>			
					<u> </u>			
					<u> </u>			
		_	<u> </u>					
		oletion, RM	=Reduced Matrix, M	S=Maske	d Sand Gr	ains.		=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicat	ors for Problematic Hydric Soils ³ :
Histosol			Dark Surface	. ,				m Muck (A10) (MLRA 147)
	oipedon (A2)		Polyvalue Be					ast Prairie Redox (A16)
Black Hi	• •		Thin Dark Su			147, 148)		(MLRA 147, 148)
	n Sulfide (A4)		Loamy Gleye		(F2)			edmont Floodplain Soils (F19)
	d Layers (A5)		<u>✓</u> Depleted Ma	, ,				(MLRA 136, 147)
	ick (A10) (LRR N)	(8.4.4)	Redox Dark					ry Shallow Dark Surface (TF12)
	d Below Dark Surfac	e (A11)	Depleted Da				Otr	ner (Explain in Remarks)
	ark Surface (A12)	I DD N	Redox Depre			I DD N		
-	Mucky Mineral (S1) (\ 147, 148)	LKK N,	Iron-Mangan MLRA 13		ses (F IZ) (LKK N,		
	Gleyed Matrix (S4)		Umbric Surfa	-	/MI D A 14	26 122\	3India	eators of hydrophytic vegetation and
-	Redox (S5)		Piedmont Flo					and hydrology must be present,
-	Matrix (S6)		Red Parent N					ess disturbed or problematic.
	Layer (if observed)	•	Red Falelit I	viateriai (i	Z1) (IVILI	A 127, 147	T unie	iss disturbed of problematic.
Type:	Layer (ii observed)	•						
	abaa\.						Hydric Soil F	Present? Yes V No No
	ches):		-				nyaric Soil F	Present? Yes No
Remarks:								

Project/Site: Cherrystone PRM Site City/9	County: Pittsylvania County Sampling Date: 2024-11-01					
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-324					
Investigator(s): KZ Section, Township, Range:						
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%): 0-2						
Subregion (LRR or MLRA): P 136 Lat: 36.80640264						
Soil Map Unit Name: 41A - Hatboro silt loam, 0 to 2 percent slop	oes, 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	rbed? Are "Normal Circumstances" present? Yes No					
Are Vegetation, Soil, or Hydrology naturally problem						
	mpling point locations, transects, important features, etc.					
Ver No d						
Hydrophytic Vegetation Present? Hydric Soil Present? Yes No V	Is the Sampled Area					
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						
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):	<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, principle of the provided provided in the provided provi	evious inspections), if available:					
Parada						
Remarks:						
No hydrology was observed at this data point.						

EGETATION (Four Strata) – Use scientific r	Absolute	-	t Indicator	Sampling Point: DP-324 Dominance Test worksheet:
ree Stratum (Plot size: 30 ft r)	% Cover			Number of Dominant Species
	.			That Are OBL, FACW, or FAC: 1
				Total Number of Dominant Species Across All Strata: 2
				'
				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00
				That Ale OBE, I AOW, OI I AO.
				Prevalence Index worksheet:
		= Total Co	ver	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cove	r:	OBL species $0 \times 1 = 0$
apling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{2}{100}$ x 2 = $\frac{4}{1000}$
				FAC species 42 x 3 = 126
				FACU species 140 x 4 = 560
				UPL species 2 x 5 = 10
				Column Totals: <u>186</u> (A) <u>700</u>
				Prevalence Index = B/A = 3.76
				1
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
		= Total Co	ver	3 - Prevalence Index is ≤3.0¹
50% of total cover:	20% of	total cove	r:	4 - Morphological Adaptations¹ (Provide supp
lerb Stratum (Plot size: 5 ft r)				data in Remarks or on a separate sheet)
Lolium arundinaceum	90	~	FACU	Problematic Hydrophytic Vegetation ¹ (Explain
Coleataenia anceps	40		FAC	1
Trifolium pratense	25		FACU	¹ Indicators of hydric soil and wetland hydrology me be present, unless disturbed or problematic.
Trifolium repens	20		FACU	Definitions of Four Vegetation Strata:
Solanum carolinense	5		FACU	
Plantago lanceolata	2		UPL	Tree – Woody plants, excluding vines, 3 in. (7.6 cl
Ranunculus bulbosus	2		FAC	more in diameter at breast height (DBH), regardle height.
Setaria viridis	2			
Symphyotrichum lanceolatum	2		FACW	Sapling/Shrub – Woody plants, excluding vines, I than 3 in. DBH and greater than or equal to 3.28 f
0				m) tall.
1				Herb – All herbaceous (non-woody) plants, regard
	400	= Total Co	ver	of size, and woody plants less than 3.28 ft tall.
50% of total cover: 94.00	20% of	total cove	r: <u>37.60</u>	Mandy vine All woody vines greater than 2.29 f
Voody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 f height.
·				
				The drawbe of a
				Hydrophytic Vegetation
			ver	Present? Yes No
50% of total cover:				
demarks: (Include photo numbers here or on a separate				1
	ŕ			
o tree, sapling/shrub, or woody vin	a atrata	Word	Obcorv	ad at this data noint

SOIL

Profile Desc	ription: (Describe	to the de	pth needed to docur	nent the	indicator	or confirn	n the absence of	f indicators.)	
Depth	Matrix		Redo	x Feature	es				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	ks
0 - 8	10YR 4/3	95	7.5YR 4/6	5	С	M	Loam		
8 - 14	10YR 4/3	75	7.5YR 4/6	25	<u>C</u>	<u>M</u>	Clay Loam		
14 - 22	10YR 4/2	60	7.5YR 4/6	40	С	M	Clay Loam		
-									
-									
_									
	-	_						-	
		_							,
1Typo: C=C	ncontration D-Dor	olotion PM	/=Reduced Matrix, MS	S-Macko	d Sand G	raine	² Location: DI =	Pore Lining, M=Mat	riv
Hydric Soil I		Dietion, Riv	I-Reduced Matrix, Mis	5-IVIASKE	iu Sanu Gi	all 15.		ors for Problematic	
Histosol			Dark Surface	(S7)				m Muck (A10) (MLR	-
	oipedon (A2)		Polyvalue Be		ace (S8) (I	MI RA 147.		ast Prairie Redox (A	
Black His			Thin Dark Su					MLRA 147, 148)	10)
	n Sulfide (A4)		Loamy Gleye			147, 140)		dmont Floodplain Sc	nile (F10)
	I Layers (A5)		Depleted Ma		(1 2)			MLRA 136, 147)) (1 1 <i>3)</i>
	ck (A10) (LRR N)		Redox Dark		TC)			ry Shallow Dark Surfa	000 (TF12)
		o (A11)						ier (Explain in Rema	
	Below Dark Surfac	e (ATT)	Depleted Date				Our	ei (Expiaiii iii Reilia	iks)
	ark Surface (A12)		Redox Depre			(I DD N			
	lucky Mineral (S1) (LRK N,	Iron-Mangan		ses (F12)	(LKK N,			
	147, 148)		MLRA 13				3		
	leyed Matrix (S4)		Umbric Surfa					ators of hydrophytic	-
	edox (S5)		Piedmont Flo					and hydrology must b	
	Matrix (S6)		Red Parent N	Material (F21) (MLF	RA 127, 14	7) unles	ss disturbed or proble	ematic.
Restrictive L	ayer (if observed)	:							
Type:									
	ches):						Hydric Soil P	resent? Yes	No <u>′</u>
Remarks:									

Project/Site: Cherrystone PRM Site City/C	County: Pittsylvania County Sampling Date: 2024-11-01							
Applicant/Owner: Transcontinental Gas Pipe Line Company, LLC	State: Virginia Sampling Point: DP-325							
Investigator(s):KZ Section, Township, Range:								
Landform (hillslope, terrace, etc.): Floodplain Local relief (concave, convex, none): None Slope (%): 0-2								
Subregion (LRR or MLRA): P 136 Lat: 36.80625685								
Soil Map Unit Name: 7A - Codorus Ioam, 0 to 2 percent slopes,								
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	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 🗸								
Trydrophytic Vegetation Frederit:	Is the Sampled Area							
Hydric Soil Present? Wetland Hydrology Present? Yes No ✓ Yes	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 Od	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 (
Algal Mat or Crust (B4) Other (Explain in Rel								
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 Pepth (inches):								
Saturation Present? Yes No Depth (inches):								
(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.								
, , , , , , , , , , , , , , , , , , ,								

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

Tree Stratum (Plot size: 30 ft r)

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

Herb Stratum (Plot size: 5 ft r) 1. Lolium arundinaceum

4 Vernonia noveboracensis

3. Trifolium pratense

7 Symphyotrichum lateriflorum

6. Solanum carolinense

2. Coleataenia anceps

5. Ranunculus bulbosus

Woody Vine Stratum (Plot size: 30 ft r)

Use scientific n	ames of	plants.		Sampling Point: DP-325
	Absolute	Dominant		Dominance Test worksheet:
)	% Cover	Species?	Status	Number of Dominant Species That Are OBL, FACW, or FAC: 1
				Total Number of Dominant Species Across All Strata: 2 (E
				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00
				Prevalence Index worksheet:
		Total Cov		Total % Cover of: Multiply by:
% of total cover:				OBL species 0 x 1 = 0
5 ft r	20 /0 01	total cover.		FACW species 7 x 2 = 14
)				FAC species 47 x 3 = 141
				· — — — — — — — — — — — — — — — — — — —
				61 E species x 6
				Column Totals: <u>136</u> (A) <u>483</u> (
				Prevalence Index = B/A = 3.55
				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 suppor
% of total cover:	20% of	total cover:		data in Remarks or on a separate sheet)
)				Problematic Hydrophytic Vegetation ¹ (Explain)
	65		FACU	Problematic Hydrophytic vegetation (Explain)
	45		FAC	1
	15		FACU	¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.
	5		FACW	
	2		FAC	Definitions of Four Vegetation Strata:
	2		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm)
m	2		FACW	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.
				Herb – All herbaceous (non-woody) plants, regardle
	136	Total Cov	er	of size, and woody plants less than 3.28 ft tall.
% of total cover: 68.00	20% of	total cover:	27.20	Was devices Allegander in a greater than 2 20 ft
0 ft r)				Woody vine – All woody vines greater than 3.28 ft i height.
				The draw heat's
		<u></u>		Hydrophytic Vegetation
		Total Cov	er	Present? Yes No
		i otai OUV	U1	

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

No tree, sapling/shrub, or woody vine strata were observed at this data point.

SOIL

/! I \	Matrix	%		ox Feature	es	1 2	Taratana		D	
inches) 0 - 7	Color (moist)	<u>%</u> 100	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>		Remark	S
	10YR 4/4						Loam			
7 - 15	7.5YR 4/4	80	7.5YR 5/6	20	С	M	Clay Loam			
15 - 23	10YR 5/3	60	7.5YR 4/6	40	С	M	Clay Loam			
-										
_		_								
		_	· -	· 	-					
			· ·		<u> </u>					
-				<u> </u>						
-										
-										
			-							
			A. De desertado A	10 M1			21 +: DI	Daniel Links	NA NA-4-	
	oncentration, D=De Indicators:	epietion, Riv	1=Reduced Matrix, M	iS=iviaske	d Sand Gr	ains.	² Location: Pl	_=Pore Linin	g, M=Matr	IX. Hydric Soils ³ :
			Dork Curfoe	o (C7)						
_ Histosol	oipedon (A2)		Dark Surfac Polyvalue B		nce (S8) (I	ΛΙ D Λ 1/17		cm Muck (A oast Prairie		
_ Histic Ep _ Black His			Polyvalue B				1 40) C	(MLRA 147		0)
	en Sulfide (A4)		Loamy Gley			147, 140)	P	iedmont Flo		ils (F19)
	d Layers (A5)		Depleted Ma		(1 2)		— · ·	(MLRA 136		110 (1 10)
	ick (A10) (LRR N)		Redox Dark		F6)		V	ery Shallow		ice (TF12)
	d Below Dark Surfa	ace (A11)	Depleted Da					ther (Explair		
	ark Surface (A12)	,	Redox Depr		, ,			` '		,
	lucky Mineral (S1)	(LRR N,	Iron-Manga			LRR N,				
-	A 147, 148)		MLRA 1							
	Bleyed Matrix (S4)		Umbric Surf	ace (F13)	(MLRA 1	36, 122)	³ Indi	cators of hy	drophytic v	egetation and
	Redox (S5)		Piedmont F	oodplain S	Soils (F19)	(MLRA 14	18) we	tland hydrol	ogy must b	e present,
Stripped	Matrix (S6)		Red Parent	Material (I	=21) (MLR	A 127, 14	7) unl	ess disturbe	d or proble	ematic.
		١١.								
estrictive L	Layer (if observed	1):								
estrictive L Type:	Layer (if observed	1):								
Type:		1):					Hydric Soil	Present?	Yes	No 🗸
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>
Type:							Hydric Soil	Present?	Yes	No <u>~</u>
Type:							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:		ı):					Hydric Soil	Present?	Yes	No <u>~</u>
Type:		ı):					Hydric Soil	Present?	Yes	No <u>~</u>
Type:		ı):					Hydric Soil	Present?	Yes	No <u>~</u>
Type:		ı): 					Hydric Soil	Present?	Yes	No <u>~</u>
Type:		ı):					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 V
Type:		1):					Hydric Soil	Present?	Yes	No V
Type:		1):					Hydric Soil	Present?	Yes	No V
Type:		1):					Hydric Soil	Present?	Yes	No V

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 relief (concave, convex, none): None Slope (%): 0-2						
Subregion (LRR or MLRA): P 136 Lat: 36.80598191 Long: -79.36689355 Datum: WGS 84						
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				
3				Total Number of Dominant Species Across All Strata: 2 (B)
4				(E)
				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 Cove		
50% of total cover:	20% of	total cover:_		352 species x 1
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{75}{47}$ x 2 = $\frac{150}{51}$
1				FAC species 17 $x 3 = 51$
2				FACU species 15 x 4 = 60
3				UPL species $0 \times 5 = 0$
				Column Totals: 122 (A) 276 (B)
4				()
5				Prevalence Index = B/A = 2.26
6				Hydrophytic Vegetation Indicators:
7				✓ 1 - Rapid Test for Hydrophytic Vegetation
8				✓ 2 - Dominance Test is >50%
9				
		Total Cove	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. Lysimachia nummularia	60	/	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Carex lurida	15		OBL	
	10		FAC	¹ Indicators of hydric soil and wetland hydrology must
3. Coleataenia anceps				be present, unless disturbed or problematic.
4. Juncus effusus	10		FACW	Definitions of Four Vegetation Strata:
5. Lolium arundinaceum	10		FACU	
6. Ranunculus repens	5		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7 Symphyotrichum lateriflorum	5		FACW	more in diameter at breast height (DBH), regardless of height.
8. Trifolium repens	5		FACU	noight.
g Echinochloa crus-galli	2		FAC	Sapling/Shrub – Woody plants, excluding vines, less
<u> </u>			<u></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: 61.00	20% of	total cover:	24.40	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 Present? Yes V No
		Total Cove		resent: res 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	strata	were o	hserv	ed at this data point
livo tree, supring/sinub, or woody vinc	Juliata	WCICO	DJCI V	ca 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 (inches)	Matrix Color (moist)	%	Redo	x Feature: %	s Type ¹	Loc²	Texture	Remarks
0 - 4	10YR 4/3	80	7.5YR 4/6	20	C	M	Loam	Kemarks
4 - 16	10YR 5/2	70	7.5YR 4/6	30	C	PL / M	Clay Loam	
16 - 24	10YR 5/2	58	7.5YR 4/6	40	C	PL / M	Clay Loam	-
16 - 24			7.5YR 5/8	2	C	M	Clay Loam	Secondary redox color
			7.0111.070		<u> </u>			
						. ——		
		-						
	-							
		-			r			
17			De desert Martin MC				21	Dans Lining M. Makin
Hydric Soil I		letion, Rivi	=Reduced Matrix, MS	s=iviasked	Sand Gr	ains.		L=Pore Lining, M=Matrix. ators for Problematic Hydric Soils ³ :
Histosol			Dark Surface	(S7)				cm Muck (A10) (MLRA 147)
	pipedon (A2)		Polyvalue Be		ce (S8) (N	ILRA 147,		oast 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					(MLRA 136, 147)
	ick (A10) (LRR N) d Below Dark Surface	· (A11)	Redox Dark S Depleted Dar		•			ery Shallow Dark Surface (TF12) ther (Explain in Remarks)
	ark Surface (A12)	= (A11)	Redox Depre				0	thei (Explain in Remarks)
	lucky Mineral (S1) (L	.RR N,	Iron-Mangan			LRR N,		
	A 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) unl	ess disturbed or problematic.
	_ayer (if observed):							
Type:	-h \.						Hudria Cail	Present? Yes No
Depth (inc	cnes):						Hydric Soil	Present? Yes No No No
Remarks:								

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.	

Tree Stratum (Plot size: 30 ft r)				
		Dominant		Dominance Test worksheet:
	<u>6 Cover</u>	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:				OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species <u>0</u> x 2 = <u>0</u>
1				FAC species 15 x 3 = 45
2				FACU species <u>5</u>
3				UPL species 60 x 5 = 300
4				Column Totals: <u>80</u> (A) <u>365</u> (B)
5				Prevalence Index = B/A = 4.56
6				
7				Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation
8				2 - Dominance Test is >50%
9				3 - Prevalence Index is ≤3.0¹
<u>-</u>		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	,	LIDI	Problematic Hydrophytic Vegetation ¹ (Explain)
1	50		UPL FAC	
2	5		FACU	¹ Indicators of hydric soil and wetland hydrology must
3. Solanum carolinense 5			FACO	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 m) tall.
10				
	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: 40.00				
Woody Vine Stratum (Plot size: 30 ft r)	,	•	<u> </u>	Woody vine – All woody vines greater than 3.28 ft in height.
1				neight.
2				
3				
4				Hydrophytio
5				Hydrophytic Vegetation
		Total Cov	er	Present? Yes No
	20% of	total cover:		
50% of total cover:	et.)			

SOIL

Profile Desc	ription: (Describe	to the de	oth needed to docun	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 - 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
	-							
					_			
-								
	-	: (-	-	
		<u> </u>			_			
					_			
1Typo: C=Co	ncontration D=Don	lotion DM	=Reduced Matrix, MS	S=Macko	d Sand Gr	raine	² Location: D	L=Pore Lining, M=Matrix.
Hydric Soil I		ieuon, 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				((MLRA 147, 148)
						147, 140)	Б	Piedmont Floodplain Soils (F19)
	n Sulfide (A4)		Loamy Gleye		(FZ)		<u> </u>	
	Layers (A5)		Depleted Mat		Ε0\			(MLRA 136, 147)
	ck (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)		Redox Depre					
-	lucky Mineral (S1) (I	LKK N,	Iron-Mangan		ses (F12) (LKK N,		
	147, 148)		MLRA 130	-	/MI DA 44	20. 400\	3	Contains of his decade the second of
	Bleyed Matrix (S4)		Umbric Surfa					licators of hydrophytic vegetation and
-	ledox (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):							
Туре:			<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., 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 (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	plants.		Sampling Point: DP-356
Toro Otroboro (Districtor 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: 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				
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 $0 \times 2 = 0$
1				FAC species $10 x 3 = 30$
2				FACU species <u>27</u>
3				UPL species 60 x 5 = 300
4				Column Totals: <u>97</u> (A) <u>438</u> (B)
5				Prevelence Index = P/A = 4 51
6				Prevalence Index = B/A = 4.51
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 arundinaceum	60		UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
2. Trifolium pratense	12		FACU	4
3. Symphyotrichum pilosum	10		FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
4. Trifolium repens	10		FACU	Definitions of Four Vegetation Strata:
5. Solanum carolinense	5		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.				The All hards are see (a see see a h A related a respective
	97	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 48.50				
Woody Vine Stratum (Plot size: 30 ft r)				Woody vine – All woody vines greater than 3.28 ft in height.
1				Height.
2				
3				
4				Hadron karda
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 si	heet.)			.1
No tree, sapling/shrub, or woody vine	e strata	were c	poserv	ed at this data point.

oth		e to the ue	epth needed to docu	ment tne	maioaio	or commi	n the absence		,	
	Matrix			ox Feature						
ches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	<u>Texture</u>		Remarks	
) - 3	10YR 4/3	95	7.5YR 5/8	5	<u>C</u>	<u>M</u>	Silt Loam			
3 - 18	10YR 5/4	60	10YR 6/2	20	D	М	Sandy Clay Loam	_		
- 18			7.5YR 5/8	20	С	М	Sandy Clay Loam	Secondar	y redox co	olor
_										
_		-	_			_		-		
	-			· ·		_				
			_	· -		_		-		
			_							
-										
a. C=C	oncentration D=D	enletion RI	– M=Reduced Matrix, M	IS=Maske	d Sand G	raine	² Location: P	=Pore Linin	a M=Matrix	,
	Indicators:	cpiction, rei	VI-I CCUCCU WALLIX, IV	io-iviasko	d Oarid C	nams.		ators for Pro		
			Dark Surfac	0 (87)						•
Histosol	oipedon (A2)		Dark Surfac Polyvalue B		000 (89)	MI DA 147		cm Muck (A oast Prairie		
	stic (A3)		Thin Dark S				, 146) 0	MLRA 147	•	,
	en Sulfide (A4)		Loamy Gley			147, 140)	D	iedmont Floo		· (E10)
	d Layers (A5)		Depleted Ma		(1 2)			(MLRA 136		5 (1 19)
	uck (A10) (LRR N)		Redox Dark		E6)		V	ery Shallow		o (TE12)
	d Below Dark Surf		Redox Dark					ery Shallow ther (Explair		
	ark Surface (A12)	ace (ATT)	Redox Depr					illei (Explaii	I III Nemark	5)
	Mucky Mineral (S1)	/I PP N	Iron-Mangai			/I DD N				
	A 147, 148)	(LIXIX IV,	MLRA 1		363 (1 12)	(LIXIX IV,				
	Gleyed Matrix (S4)		Umbric Surf		(MIRA 1	36, 122)	3Ind	icators of hyd	drophytic ve	netation and
	Redox (S5)		Piedmont FI					tland hydrolo		-
	Matrix (S6)		Red Parent					less disturbe		
	Layer (if observe	d):			/ (1		a o. p. o	
	ches):						Hydric Soil	Present?	Yes	No 🗸
	onco)						Tiyano con	11000111.		
arks:										
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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	· · ·
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., wethydric 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	
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				
7				Prevalence Index worksheet:
	:	= Total Cov	er	Total % Cover of: Multiply by:
50% of total cover:	20% of	total cover		OBL species $\frac{0}{0}$ $x = \frac{0}{0}$
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $\frac{0}{2}$ $\times 2 = \frac{0}{2}$
1				FAC species $\frac{0}{300}$ $\times 3 = \frac{0}{1100}$
2				FACU species 28 x 4 = 112
3				UPL species 60 x 5 = 300
4				Column Totals: <u>88</u> (A) <u>412</u> (B)
5. <u> </u>				Prevalence Index = B/A = 4.68
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. Lolium arundinaceum	60	~	UPL	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:
6.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
7				more in diameter at breast height (DBH), regardless of height.
8				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				
111.	00	= Total Cov		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
50% of total cover: 44.00				or olze, and woody plants less than 6.20 ft tail.
Woody Vine Stratum (Plot size: 30 ft r)		1010.		Woody vine – All woody vines greater than 3.28 ft in
1				height.
2				
3				
4				
				Hydrophytic
5		= Total Cov		Vegetation Present? Yes No
50% of total cover:				
Remarks: (Include photo numbers here or on a separate s		total cover.		
Remarks. (include prioto numbers here or on a separate s	sileet.)			
No tree, sapling/shrub, or woody vin	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 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 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
	-							
	-							
		letion, RM	I=Reduced Matrix, MS	S=Maske	d Sand Gr	ains.		_=Pore Lining, M=Matrix.
Hydric Soil	ndicators:						Indica	tors for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface					cm Muck (A10) (MLRA 147)
Histic Ep	pipedon (A2)		Polyvalue Be	low Surfa	ace (S8) (N	/ILRA 147	, 148) C	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)
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface (I	F6)		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	essions (F	8)			
Sandy M	lucky Mineral (S1) (I	LRR N,	Iron-Mangan	ese Mass	ses (F12) (LRR N,		
MLRA	A 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	Soils (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.
	ayer (if observed)	:		•	- , ,			·
Type:								
Depth (inc	ches):						Hydric Soil	Present? Yes No
Remarks:								

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region

See ERDC/EL TR-12-9; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Cherrystone PRM Site	City/County: Pittsy	Ivania County	Sampling Date: 2025-03-18		
Applicant/Owner: Transcontinental Gas Pipe Li	ine Company, LLC	State: Virginia s	Sampling Point: DP-484		
Investigator(s): AD, RS	Section, Township, Rang	ge:			
Landform (hillside, terrace, etc.): Swale	Local relief (concave, conve		Slope (%): 1		
		g:-79.367499	Datum: NAD 83		
Soil Map Unit Name: 21D - Poplar Forest fine sand					
Are climatic / hydrologic conditions on the site typical for th			plain in Remarks.)		
Are Vegetation, Soil, or Hydrologysi		Il Circumstances" present?	Yes No		
Are Vegetation, Soil, or Hydrologyna		explain any answers in Rem	•		
SUMMARY OF FINDINGS – Attach site map		——————————————————————————————————————	ortant leatures, etc.		
	No Is the Sampled Area	_			
· · · · · · · · · · · · · · · · · · ·	No within a Wetland?	Yes	No		
	No				
Remarks:					
All three wetland parameters (i.e., w			•		
soils) were satisfied at this data poir	_	-			
disturbed by cattle. The data point	is confined to the area o	delineated as a we	etland.		
HYDROLOGY					
Wetland Hydrology Indicators:			ninimum of two required)		
Primary Indicators (minimum of one is required; check all		Surface Soil Cracks (B6)			
	juatic Plants (B14)		Concave Surface (B8)		
	en Sulfide Odor (C1)	✓ Drainage Patterns (•		
	d Rhizospheres on Living Roots (C3)	Moss Trim Lines (B	·		
	Presence of Reduced Iron (C4) Dry-Season Water Table (C2) Craffich Burrous (C2)				
	Iron Reduction in Tilled Soils (C6) uck Surface (C7)	Crayfish Burrows (C8)			
	Explain in Remarks)	Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)			
Iron Deposits (B5)	-Apiair iir Remarks)		✓ Geomorphic Position (D2)		
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D	` ,		
Water-Stained Leaves (B9)		Microtopographic R	•		
Aquatic Fauna (B13)			FAC-Neutral Test (D5)		
Field Observations:		_ 	,		
Surface Water Present? Yes ✓ No	Depth (inches): 0.5				
Water Table Present? Yes ✓ No	Depth (inches): 0				
Saturation Present? Yes V No	Depth (inches): 0 Wetlan	nd Hydrology Present?	Yes V No		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previous inspections), if	f available:			
Remarks:	_	_			
Surface water, high water table, and	d saturation indicators v	vere not checked	due to a rain		
event that occurred within 24 hours					
5 vont that occurred within 24 nours	OF THE HEIGINION.				

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

EGETATIO			Absolute	Dominant	Indicator	<u> </u>
ree Stratum	(Plot size: 30 ft r)	% Cover	Species?	Status	Dominance Test worksheet:
-				1		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
			·			That Are OBL, FACW, or FAC: (A)
•			·			Total Number of Dominant
			. <u></u>			Species Across All Strata: 0 (B)
						Percent of Dominant Species
i				-		That Are OBL, FACW, or FAC: 0.00 (A/B)
·						Prevalence Index worksheet:
50% of total cover:	· <u></u> :	=Total Cover		Total % Cover of: Multiply by:		
	20%	of total cover:		OBL species 0 x 1 = 0		
anling/Shruh	Stratum (Plot size: 15)			FACW species 0 x 2 = 0
	<u> </u>	, , , ,	.,			FAC species $0 \times 3 = 0$
			· 			
			. <u></u>			UPL species $\frac{0}{2}$ $x = \frac{0}{2}$
·						Column Totals: 0 (A) 0 (B
. <u> </u>						Prevalence Index = B/A = 0
						Hydrophytic Vegetation Indicators:
				' <u>-</u>		1 - Rapid Test for Hydrophytic Vegetation
						2 - Dominance Test is >50%
						✓ 3 - Prevalence Index is ≤3.0 ¹
•			· .	=Total Cover		4 - Morphological Adaptations ¹ (Provide supportin
	500/ 51 1					data in Remarks or on a separate sheet)
larb Ctratum	(Plot size: 5 ft r	al cover:		of total cover:		
	(FIOL SIZE. 5 ILT		1			Problematic Hydrophytic Vegetation ¹ (Explain)
Poa sp.						¹ Indicators of hydric soil and wetland hydrology must b
<u> </u>			. <u></u>			present, unless disturbed or problematic.
B						Definitions of Four Vegetation Strata:
				-		Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of
i.						more in diameter at breast height (DBH), regardless of
<u></u>				·		height.
				-		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 m) tall.
			·			
						Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
1						of size, and woody plants less than 3.20 it tall.
			1 :	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 0.50		20%	of total cover:	0.20	height.	
Voody Vine S	tratum (Plot size: 30 f	tr)				
	· ·					
<u></u>						
						Hydrophytic
		:	=Total Cover		Vegetation	
	50% of total	al cover:	20%	of total cover:		Present? Yes No No

Profile Desc	ription: (Describe	to the de	pth needed to docu	ıment t	he indica	ator or c	onfirm the abs	ence of indicators.)
Depth	Matrix			x Featui				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 8	2.5Y 4/1	99	2.5Y 4/4	1	C	М	Silt Loam	
8 - 18	5Y 4/1	97	10YR 4/4	3	С	М	Clay Loam	
_								
_								
¹ Type: C=Co	oncentration, D=Dep	letion, RN	/I=Reduced Matrix, N	/IS=Mas	ked San	d Grains	. ² Lo	ocation: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:							Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	elow Su	rface (S8) (MLRA	147, 148)	2 cm Muck (A10) (MLRA 147)
Histic Ep	ipedon (A2)		Thin Dark Su	urface (S	59) (MLR	A 147, 1	148)	Coast Prairie Redox (A16)
Black His	stic (A3)		Loamy Muck	y Miner	al (F1) (N	/ILRA 13	36)	(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matri	x (F2)			Piedmont Floodplain Soils (F19)
Stratified	Layers (A5)		✓ Depleted Ma	itrix (F3))			(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface	(F6)			Red Parent Material (F21)
Depleted	Below Dark Surface	e (A11)	Depleted Da	rk Surfa	ice (F7)			(outside MLRA 127, 147, 148)
Thick Da	rk Surface (A12)		Redox Depre	essions	(F8)			Very Shallow Dark Surface (F22)
Iron Mon	osulfide (A18)		Iron-Mangar	iese Ma	sses (F1	2) (LRR	N,	Other (Explain in Remarks)
Sandy M	ucky Mineral (S1)		MLRA 136	5)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ace (F13	3) (MLRA	122, 13	36)	3
Sandy R	edox (S5)		Piedmont Flo	oodplain	Soils (F	19) (ML I	RA 148)	³ Indicators of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent I	Material	(F21) (M	LRA 12	7, 147, 148)	wetland hydrology must be present,
	face (S7)						•	unless disturbed or problematic.
	ayer (if observed):							
Type:	-h \.						Usalaia Cail	Dunanta Van M
Depth (in	icnes):						Hydric Soil	Present? Yes V No No
Remarks:								

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site	City/Co	ounty: Pittsylvania County	Sampling Date: 2025-03-18				
Applicant/Owner: Transcontinental	Gas Pipe Line Company, LLC	State: Virginia	Sampling Point: DP-485				
Investigator(s): AD, RS	estigator(s): AD, RS Section, Township, Range:						
Landform (hillside, terrace, etc.): Swale	Local relief (co	oncave, convex, none): Concave	Slope (%): 2				
Subregion (LRR or MLRA): P 136	Lat: 36.80124772	Long: -79.36750164	Datum: NAD 83				
Soil Map Unit Name: 21D - Poplar Fore	st fine sandy loam, 15 to 25 pe	rcent slopes NWI classificat	tion: N/A				
Are climatic / hydrologic conditions on the site	e typical for this time of year?	Yes ✓ No (If no, e	explain in Remarks.)				
Are Vegetation ✓ , Soil ✓ , or Hydro		Are "Normal Circumstances" present?					
Are Vegetation , Soil , or Hydro		(If needed, explain any answers in Re					
SUMMARY OF FINDINGS – Attach			•				
Liberary Manager Company	V 4/ N						
Hydrophytic Vegetation Present? Hydric Soil Present?		mpled Area Wetland? Yes ✔	No				
Wetland Hydrology Present?	Yes No No	venance: 165					
Remarks:	<u> </u>						
All three wetland parameter	rs (i.e., wetland hydrolo	av. hydrophytic yegetati	on, and hydric				
soils) were satisfied at this			-				
disturbed by cattle. The da			•				
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicators	(minimum of two required)				
Primary Indicators (minimum of one is requi	red; check all that apply)	Surface Soil Crac	ks (B6)				
Surface Water (A1)	True Aquatic Plants (B14)		ed Concave Surface (B8)				
High Water Table (A2)	Hydrogen Sulfide Odor (C1)	Drainage Patterns					
Saturation (A3)	Oxidized Rhizospheres on Living	· · · —	•				
Water Marks (B1)	Presence of Reduced Iron (C4)	Dry-Season Wate	· ·				
Sediment Deposits (B2)	Recent Iron Reduction in Tilled S						
Drift Deposits (B3)	Thin Muck Surface (C7)		on Aerial Imagery (C9)				
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Stunted or Stress	,				
✓ Iron Deposits (B5)		Geomorphic Posit					
Inundation Visible on Aerial Imagery (B	7)	Shallow Aquitard					
Water-Stained Leaves (B9)		Microtopographic	` '				
Aquatic Fauna (B13)		FAC-Neutral Test	(D5)				
Field Observations:							
Surface Water Present? Yes	No Depth (inches): 1	_					
Water Table Present? Yes	No Depth (inches): 1 No Depth (inches): Depth (inches): Depth (inches):	_					
Saturation Present? Yes	No V Depth (inches):	_ Wetland Hydrology Present?	Yes No No				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previous i	nspections), if available:					
Remarks:							
Surface water indicator was	s not checked due to a i	ain event that occurred	within 24 hours				
of the fieldwork.							
of the fieldwork.							

(District 2005)	Absolute	Dominant	Indicator	Barriagna Tarturadahast
ree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Dominance Test worksheet:
-				Number of Dominant Species That Are OBL FACW or FAC: 0 (A)
				That Are OBL, FACW, or FAC: 0 (A)
				Total Number of Dominant Species Across All Strata: 0 (B)
				Species Across All Strata: 0 (B)
· .				Percent of Dominant Species
·				That Are OBL, FACW, or FAC: 0.00 (A/B)
	_			Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
50% of total cover:	20%	of total cover:		OBL species $\frac{0}{2}$ $x = \frac{0}{2}$
apling/Shrub Stratum (Plot size: 15 ft r)			FACW species $\frac{0}{2}$ $x = \frac{0}{2}$
				FAC species $\frac{0}{x}$ $x = \frac{0}{x}$
				FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0
				Column Totals: ⁰ (A) ⁰ (B
				Prevalence Index = B/A = 0
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
				3 - Prevalence Index is ≤3.0 ¹
_	_	=Total Cover		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:		of total cover:		data in Remarks or on a separate sheet)
erb Stratum (Plot size: 5 ft r)		or total cover.		Problematic Hydrophytic Vegetation ¹ (Explain)
	3	~		
Poa sp.				¹ Indicators of hydric soil and wetland hydrology must l
				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.
				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, regardles
1.				of size, and woody plants less than 3.28 ft tall.
	3	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 1	.50 20%	of total cover:	0.60	height.
/oody Vine Stratum (Plot size: 30 ft r)			
· · · · · · · · · · · · · · · · · · ·	- ′			
· .				Hydrophytic
	=	=Total Cover		Vegetation
50% of total cover:	20%	of total cover:		Present? Yes No

Profile Desc	ription: (Describe	to the de	pth needed to docu	ıment tl	he indica	ator or c	onfirm the abs	sence of indic	cators.)	
Depth	Matrix			x Featur		2				
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks	S
0 - 9	2.5Y 4/1	95	7.5YR 4/4	5	<u>C</u>	М	Clay Loam			
9 - 18	5Y 4/1	98	7.5YR 4/4	2	С	М	Clay Loam			
-										
-										
							-			
¹Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	//S=Mas	ked San	d Grains	. ² L	ocation: PL=F	Pore Lining, M=M	atrix.
Hydric Soil I	ndicators:							Indicators 1	for Problematic	Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	elow Sur	face (S8) (MLRA	147, 148)	2 cm M	uck (A10) (MLRA	147)
Histic Ep	ipedon (A2)		Thin Dark Su	ırface (S	69) (MLR	A 147, 1	148)	Coast F	Prairie Redox (A16	6)
Black His	stic (A3)		Loamy Muck	y Miner	al (F1) (N	ILRA 13	86)	(MLR	A 147, 148)	
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matri	x (F2)			Piedmo	nt Floodplain Soi	ls (F19)
Stratified	Layers (A5)		✓ Depleted Ma	trix (F3))			(MLR	A 136, 147)	
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface	(F6)			Red Pa	rent Material (F2	1)
Depleted	Below Dark Surface	e (A11)	Depleted Da	rk Surfa	ce (F7)			(outs	ide MLRA 127, 1	47, 148)
Thick Da	rk Surface (A12)		Redox Depre	essions	(F8)			Very Sh	nallow Dark Surfa	ce (F22)
Iron Mon	osulfide (A18)		Iron-Mangan	ese Ma	sses (F1	2) (LRR	N,	Other (F	Explain in Remarl	ks)
Sandy M	ucky Mineral (S1)		MLRA 136	S)						
	leyed Matrix (S4)		Umbric Surfa		B) (MLRA	122, 13	36)			
	edox (S5)		Piedmont Flo		-			³ Indicators of	of hydrophytic veg	getation and
	Matrix (S6)		Red Parent I		-			wetland	l hydrology must l	be present,
	face (S7)				(· = · / (, , ,	unless	disturbed or probl	ematic.
	ayer (if observed):									
Type:										
Depth (in	iches):						Hydric Soi	Present?	Yes 🗸	No
Remarks:										

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region

See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pittsy	Ivania County	Sampling Date: 2025-03-18		
Applicant/Owner: Transcontinental (Gas Pipe Line Company, LLC State: Virginia Sampling Point: DP-486					
vestigator(s): AD, RS Section, Township, Range:						
Landform (hillside, terrace, etc.): Hillslope	e Lo	ocal relief (concave, conve		Slope (%): 2		
Subregion (LRR or MLRA): P 136	Lat: 36.8012665		:-79.36747377	Datum: NAD 83		
Soil Map Unit Name: 21D - Poplar Fores						
Are climatic / hydrologic conditions on the site				explain in Remarks.)		
			'	4		
Are Vegetation, Soil, or Hydro			Circumstances" present?			
Are Vegetation, Soil, or Hydro			explain any answers in Re			
SUMMARY OF FINDINGS – Attach	site map showing s	sampling point loca	tions, transects, imp	portant features, etc.		
Hydrophytic Vegetation Present?	Yes No V	Is the Sampled Area				
Hydric Soil Present?	Yes 🗸 No	within a Wetland?	Yes	No 🗸		
Wetland Hydrology Present?	Yes					
Remarks:			<u></u>			
Only two (i.e., wetland hydro	ology and hydric	soils) of the thi	ree wetland para	meters were		
satisfied at this data point.	,	, -, -	•			
HYDROLOGY						
Wetland Hydrology Indicators:				(minimum of two required)		
Primary Indicators (minimum of one is requir			Surface Soil Crack	, ,		
Surface Water (A1)	True Aquatic Plants			ed Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Oc		Drainage Patterns			
Saturation (A3) Water Marks (B1)	Presence of Reduce	res on Living Roots (C3)	Moss Trim Lines (•		
Sediment Deposits (B2)		on in Tilled Soils (C6)	Dry-Season Water Table (C2) Crayfish Burrows (C8)			
Drift Deposits (B3)	Thin Muck Surface (Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Other (Explain in Re	•		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			
Field Observations:	_		-			
Surface Water Present? Yes	No _ C Depth (inch	es):				
Water Table Present? Yes	No Pepth (inch					
Saturation Present? Yes	No V Depth (inch	es): Wetlan	d Hydrology Present?	Yes No No		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos	s, previous inspections), if	available:			
Remarks:						
Remarks.						

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Liquidambar styraciflua	20	<u> </u>	FAC	
Acer rubrum	15		FAC	Number of Dominant Species That Are OBL, FACW, or FAC: ² (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 6 (B)
5.				(B)
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
7.				Prevalence Index worksheet:
<i>1.</i>	35	Total Cover		Total % Cover of: Multiply by:
50% of total cover: 17.50		of total cover:	7.00	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r	2070	oi total cover.	7.00	FACW species 0 x 2 = 0
	20	.,	FAOU	FAC species 35 x 3 = 105
1. Juniperus virginiana	15		FACU	
Rosa multiflora	15		FACU	1 A00 species X +
3.				OPL species X 5 =
4				Column Totals. (A)
5.				Prevalence Index = B/A = 3.77
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 Cover		4 - Morphological Adaptations (Provide supporting
50% of total cover: 17.50	20%	of total cover:	7.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
1. Poa pratensis	75		FACU	¹ Indicators of hydric soil and wetland hydrology must be
2. Taraxacum officinale	5		FACU	present, unless disturbed or problematic.
3.				Definitions of Four Vegetation Strata:
4				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5.				more in diameter at breast height (DBH), regardless of
6.				height.
7				Sapling/Shrub – Woody plants, excluding vines, less
8.				than 3 in. DBH and greater than or equal to 3.28 ft
9.				(1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
	80	Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 40.00	20%	of total cover:	16.00	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1. Lonicera japonica	5	✓	FACU	
2.				
3.				
4.				
5.				Hadran bad's
	5	Total Cover		Hydrophytic Vegetation
50% of total cover: 2.50	20%	of total cover:	1.00	Present? Yes No
Remarks: (Include photo numbers here or on a sepa				
Remarks: (Include photo numbers here or on a sepa	arate sneet.)			

Sampling Point: DP-486

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	ne indica	ator or c	onfirm the absence	of indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0 - 3	10YR 4/1	97	10YR 4/4	3	<u>C</u>	PL / M	Silty Clay Loam	
3 - 15	10YR 4/3	80	7.5YR 4/4	15	С	M	Loam	
3 - 15			10YR 5/1	5	D	М	Loam	Secondary redox color
15 - 18	2.5Y 5/3	85	7.5YR 4/6	15	С	M	Clay Loam	
-								
-								
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.								
Hydric Soil I	ndicators:						Indic	cators for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	elow Sur	face (S8) (MLRA	147, 148)2	2 cm Muck (A10) (MLRA 147)
Histic Ep	ipedon (A2)		Thin Dark S	urface (S	89) (MLR	A 147, 1	48)(Coast Prairie Redox (A16)
Black His	stic (A3)		Loamy Muck	ky Minera	al (F1) (N	ILRA 13	6)	(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gley	ed Matrix	x (F2)		F	Piedmont Floodplain Soils (F19)
Stratified	Layers (A5)		✓ Depleted Ma	trix (F3)				(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface	(F6)		F	Red Parent Material (F21)
Depleted	Below Dark Surface	e (A11)	Depleted Da	rk Surfa	ce (F7)			(outside MLRA 127, 147, 148)
Thick Da	rk Surface (A12)		Redox Depre	essions	(F8)		\	Very Shallow Dark Surface (F22)
Iron Mon	osulfide (A18)		Iron-Mangar	ese Ma	sses (F1	2) (LRR	N,	Other (Explain in Remarks)
Sandy M	ucky Mineral (S1)		MLRA 130	6)				
	leyed Matrix (S4)		Umbric Surfa) (MLRA	122, 13	6)	
	edox (S5)		Piedmont Flo				3	cators of hydrophytic vegetation and
	Matrix (S6)		Red Parent		-			vetland hydrology must be present,
Dark Sur					(· = · / (unless disturbed or problematic.
	ayer (if observed):							<u> </u>
Type:								
Depth (in	ches):						Hydric Soil Prese	ent? Yes 🗸 No
Remarks:								
I								

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pitt	tsylvania County	Sampling Date:	2025-03-18	
	Gas Pipe Line Compa		State: Virginia			
Investigator(s): AD, RS		Section, Township, Ra				
Landform (hillside, terrace, etc.): Hillslop	le lo		nvex, none): Concave	Slone (%):	4	
					NAD 83	
Subregion (LRR or MLRA): P 136	Lat: 36.8013781		ong: -79.36934731		NAD 83	
Soil Map Unit Name: 21D - Poplar Fore	st fine sandy loam, 1	5 to 25 percent sid				
Are climatic / hydrologic conditions on the sit	e typical for this time of ye	ar? Yes_	No (If no, ex	xplain in Remark	s.)	
Are Vegetation, Soil, or Hydro	ologysignificantly di	sturbed? Are "Nor	mal Circumstances" present?	Yes 🗸	No	
Are Vegetation, Soil, or Hydro	ology naturally probl	ematic? (If neede	ed, explain any answers in Rer	marks.)		
SUMMARY OF FINDINGS - Attach	<u></u>		cations, transects, imp	oortant featu	res, etc.	
Hydrophytic Vegetation Present?	Yes No 🗸	Is the Sampled Are	ea			
Hydric Soil Present?	Yes No 🗸	within a Wetland?		No 🗸		
Wetland Hydrology Present?	Yes No V					
Remarks:						
				_		
None of the three wetland p	parameters (i.e.,	wetland hydro	ology, hydrophytic	vegetation	າ, or	
hydric soils) were satisfied	at this data poin	t.				
	•					
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (r	minimum of two	required)	
Primary Indicators (minimum of one is requi	red; check all that apply)		Surface Soil Crack			
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetated	d Concave Surfa	ice (B8)	
High Water Table (A2)	Hydrogen Sulfide Od	dor (C1)	Drainage Patterns	(B10)		
Saturation (A3)	Oxidized Rhizosphe	res on Living Roots (C	Moss Trim Lines (E	316)		
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 of	on Aerial Imager	y (C9)	
Algal Mat or Crust (B4)	Other (Explain in Re	marks)	Stunted or Stresse	Stunted or Stressed Plants (D1)		
Iron Deposits (B5)			Geomorphic Position			
Inundation Visible on Aerial Imagery (B	7)		Shallow Aquitard (I	•		
—Water-Stained Leaves (B9)			Microtopographic F			
Aquatic Fauna (B13)			FAC-Neutral Test ((D5)		
Field Observations:						
Surface Water Present? Yes	No Depth (inch	es):				
<u> </u>		es):			/	
Saturation Present? Yes	No _ Depth (inch	es): Wet	tland Hydrology Present?	Yes	No V	
(includes capillary fringe)	onitaring wall, parial photos	nrovious inspections) if available:			
Describe Recorded Data (stream gauge, mo	oriitoring well, aeriai priotos	s, previous irispections	,), II avallable.			
Remarks:						
No hydrology was observed	d at this data poi	nt.				

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
· ·	15			
1. Pinus virginiana			UPL	Number of Dominant Species That Are OBL FACW or FAC: 1 (A)
2. Acer rubrum	10		FAC	That Are OBL, FACW, or FAC: 1 (A)
Liriodendron tulipifera	10		FACU	Total Number of Dominant
Diospyros virginiana	5		FAC	Species Across All Strata: 6 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 16.66 (A/B)
7				Prevalence Index worksheet:
	40 =	=Total Cover		Total % Cover of: Multiply by:
50% of total cover: 20.00	20%	of total cover:	8.00	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r				FACW species 0 x 2 = 0
1. Lonicera maackii	30	~	UPL	FAC species 15 x 3 = 45
2.				FACU species 25 x 4 = 100
3.				UPL species 75 $x = 375$
4.				Column Totals: 115 (A) 520 (B)
5.				Prevalence Index = B/A = 4.52
6.				Hydrophytic Vegetation Indicators:
				1
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 (Provide supporting
50% of total cover: 15.00	20%	of total cover:	6.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
Veronica hederifolia	30		UPL	¹ Indicators of hydric soil and wetland hydrology must be
2. Allium vineale	10		FACU	present, unless disturbed or problematic.
3. Rosa multiflora	5		FACU	Definitions of Four Vegetation Strata:
4.				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5.				more in diameter at breast height (DBH), regardless of
6.				height.
7.				Sapling/Shrub – Woody plants, excluding vines, less
8.				than 3 in. DBH and greater than or equal to 3.28 ft
9.				(1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
	45	Total Cover		
500/ of to tall a community 20 50			0.00	Woody Vine – All woody vines greater than 3.28 ft in height.
50% of total cover: 22.50	20%	of total cover:	9.00	noight.
Woody Vine Stratum (Plot size: 30 ft r)				
1.				
2				
3.				
4				
5.				Undranbraia
		Total Cover		Hydrophytic Vegetation
50% of total cover:		of total cover:		Present? Yes No
Remarks: (Include photo numbers here or on a sens				

No woody vine stratum was observed at this data point.

Sampling Point: DP-487

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	tor or c	onfirm the absence	of indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 3	7.5YR 4/3	85	5YR 4/4	<u>15</u>	<u>C</u>	<u>M</u>	Silt Loam	
3 - 18	2.5Y 4/6	85	5YR 3/4	10	С	M	Clay Loam	
3 - 18			7.5YR 4/3	5	С	М	Clay Loam	Secondary redox color
-								
¹Type: C=Co	oncentration, D=Dep	letion, RN	1=Reduced Matrix, N	//S=Mas	ked San	d Grains	² Locatio	n: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indi	icators for Problematic Hydric Soils ³
Histosol	(A1)		Polyvalue Be					2 cm Muck (A10) (MLRA 147)
Histic Ep	ipedon (A2)		Thin Dark Su	urface (S	69) (MLR	A 147, 1	148)	Coast Prairie Redox (A16)
Black His	stic (A3)		Loamy Muck	y Miner	al (F1) (N	ILRA 13	36)	(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gley	ed Matri	x (F2)			Piedmont Floodplain Soils (F19)
Stratified	Layers (A5)		Depleted Ma	trix (F3))			(MLRA 136, 147)
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface	(F6)			Red Parent Material (F21)
Depleted	Below Dark Surface	e (A11)	Depleted Da	rk Surfa	ce (F7)			(outside MLRA 127, 147, 148)
Thick Da	rk Surface (A12)		Redox Depre	essions	(F8)			Very Shallow Dark Surface (F22)
Iron Mon	osulfide (A18)		Iron-Mangar	nese Ma	sses (F1	2) (LRR	Ν,	Other (Explain in Remarks)
Sandy M	ucky Mineral (S1)		MLRA 130	6)				
Sandy G	leyed Matrix (S4)		Umbric Surfa	ace (F13	B) (MLRA	122, 13		
Sandy R	edox (S5)		Piedmont Flo	oodplain	Soils (F	19) (ML I	RA 148) ³ Ind	licators of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent	Material	(F21) (M	LRA 12	7, 147, 148)	wetland hydrology must be present,
	face (S7)							unless disturbed or problematic.
	ayer (if observed):							
Type:								
Depth (in	iches):						Hydric Soil Pres	sent? Yes No V
Remarks:								

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pittsylv	ania County	Sampling Date: 2025-05-22
Applicant/Owner: Transcontinental	Gas Pipe Line Compa	any, LLC	State: Virginia	Sampling Point: DP 494
Investigator(s): JDF, MCS	•	Section, Township, Range		
Landform (hillside, terrace, etc.): Floodp	lain Lo	cal relief (concave, convex,		Slope (%): 0-2
Subregion (LRR or MLRA): P 136	Lat: 36.806867	•	· ·	Datum: WGS 84
,				
Soil Map Unit Name: 41A - Hatboro silt				
Are climatic / hydrologic conditions on the sit	e typical for this time of yea	ar? Yes <u> </u>	No (If no, e	
Are Vegetation, Soil, or Hydro	ology significantly di	sturbed? Are "Normal 0	Circumstances" present?	Yes 🖊 No
Are Vegetation, Soil, or Hydro	ology naturally probl	ematic? (If needed, ex	plain any answers in Rei	marks.)
SUMMARY OF FINDINGS – Attach	site map showing s	sampling point locati	ons, transects, imp	portant 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 V			
Remarks:				
None of the three wetland phydric soils) were satisfied		•	yy, hydrophytic	vegetation, or
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is requi	red; check all that apply)		Surface Soil Crack	(s (B6)
Surface Water (A1)	True Aquatic Plants		Sparsely Vegetate	ed Concave Surface (B8)
High Water Table (A2)	Hydrogen Sulfide Oc		Drainage Patterns	
Saturation (A3)		res on Living Roots (C3)	Moss Trim Lines (I	·
Water Marks (B1)	Presence of Reduce		Dry-Season Water	
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (
Drift Deposits (B3)	Thin Muck Surface (on Aerial Imagery (C9)
Algal Mat or Crust (B4) Iron Deposits (B5)	Other (Explain in Re	marks)	Stunted or Stresse Geomorphic Positi	
Inundation Visible on Aerial Imagery (B	7)		Shallow Aquitard (·
Water-Stained Leaves (B9)	')		Microtopographic I	•
Aquatic Fauna (B13)			FAC-Neutral Test	, ,
Field Observations:				
	No Pepth (inch	es):		
Water Table Present? Yes	No Pepth (inch			
Saturation Present? Yes	No ✓ Depth (inch		Hydrology Present?	Yes No 🗸
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos	s, previous inspections), if a	vailable:	
Remarks:				
No hydrology was observed	d at thic data noi	nt		
No flydfology was observed	u at tilis uata poi	111.		

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Dominance Test worksheet:
1 2				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3. 4.				Total Number of Dominant Species Across All Strata: 2 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)
7.				Prevalence Index worksheet:
· · ·		=Total Cover		Total % Cover of: Multiply by:
50% of total cover:		of total cover:	:	OBL species 0
Sapling/Shrub Stratum (Plot size: 15 ft r)			FACW species 20 $x = 40$
1.	,			FAC species 60 x 3 = 180
2.				FACU species $\overline{)58}$ $x 4 = \overline{)232}$
3.				UPL species 0 $x = 0$
4.				Column Totals: 138 (A) 452 (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
		=Total Cover		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover:		of total cover:	:	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
1. Bromus japonicus	45	•		¹ Indicators of hydric soil and wetland hydrology must be
Verbesina alternifolia	40	<u> </u>	FAC	present, unless disturbed or problematic.
3. Asclepias syriaca	30	<u> </u>	FACU	Definitions of Four Vegetation Strata:
4. Dichanthelium clandestinum	20		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5. Lonicera japonica	20		FACU	more in diameter at breast height (DBH), regardless of
6. Apios americana	15		FACW	height.
7. Dioscoria sp.	10		_	Sapling/Shrub – Woody plants, excluding vines, less
8. Galium aparine	5		FACU	than 3 in. DBH and greater than or equal to 3.28 ft
9. Solidago gigantea	5		FACW	(1 m) tall.
10. Oxalis stricta	2		FACU	Herb – All herbaceous (non-woody) plants, regardless
11. Rosa multiflora	1		FACU	of size, and woody plants less than 3.28 ft tall.
	193	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 96.5		of total cover:	38.60	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1.				
2.				
3.			_	
4.				
5.				
· .		=Total Cover		Hydrophytic Vegetation
50% of total cover:		of total cover:	•	Present? Yes No
Remarks: (Include photo numbers here or on a sep.				

No tree, sapling/shrub, or woody vine strata were observed at this data point.

Sampling Point: DP 494

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or c	onfirm the abs	ence of in	dicators.)	
Depth	Matrix			x Featu	es					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rem	arks
0 - 1	10YR 5/3	100					Sandy Clay L	oam_		
1 - 9	7.5YR 5/4	100					Silty Clay Lo	oam		
9 - 14	7.5YR 5/6	100					Clay Loam			
14 - 18	10YR 4/4	98	7.5YR 5/8	2	С	M	Sandy Clay L	oam		
_										
¹ Type: C=Co	ncentration, D=Depl	etion, RN	/I=Reduced Matrix, I	ีฟS=Mas	ked San	d Grains	. ² Lo	ocation: Pl	_=Pore Lining, N	1=Matrix.
Hydric Soil I	ndicators:							Indicator	rs for Problema	tic Hydric Soils ³ :
Histosol ((A1)		Polyvalue B	elow Su	rface (S8) (MLRA	147, 148)	2 cm	Muck (A10) (M	LRA 147)
Histic Ep	ipedon (A2)		Thin Dark S	urface (S	89) (MLR	A 147, 1	148)	Coas	st Prairie Redox	(A16)
Black His	stic (A3)		Loamy Mucl	ky Miner	al (F1) (N	ILRA 13	66)	(M	LRA 147, 148)	
Hydroger	n Sulfide (A4)		Loamy Gley	ed Matri	x (F2)			Pied	mont Floodplain	Soils (F19)
Stratified	Layers (A5)		Depleted Ma	atrix (F3))			(M	LRA 136, 147)	
	ck (A10) (LRR N)		Redox Dark						Parent Material	(F21)
	Below Dark Surface	e (A11)	Depleted Da		` '				utside MLRA 12	` '
l ——	rk Surface (A12)	, (,)	Redox Depr		` '				Shallow Dark S	-
	osulfide (A18)		Iron-Mangar			2) (I DD	N		r (Explain in Rei	
					55 6 5 (1 1/	2) (LKK	IN,		i (Explain in Nei	ilaiks)
	ucky Mineral (S1)		MLRA 13		· · · · · · · · · · · · · · · · · · ·	100 10				
	leyed Matrix (S4)			Umbric Surface (F13) (MLRA 122, 136) Piedmont Floodplain Soils (F19) (MLRA 148) 3Indicators of hydrophytic vegetation and						
	edox (S5)				-					-
	Matrix (S6)		Red Parent	Material	(F21) (M	LRA 12	7, 147, 148)		and hydrology m	•
Dark Sur							_	unles	ss disturbed or p	roblematic.
	ayer (if observed):									
Type:	ahaa).						Liveria Cail	Dracent?	Vaa	No. V
Depth (in	cnes):						Hydric Soil	Present?	Yes	No
Remarks:										
Ī										

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pitts	sylvania County	Sampling Date: 2025-05-22		
	Gas Pipe Line Compa	· · <u> </u>		Sampling Point: DP 495		
Investigator(s): JDF, MCS		Section, Township, Ra	inge: N/A			
Landform (hillside, terrace, etc.): Floodpl	ain Lo		vex, none): Concave	Slope (%): 0-2		
Subregion (LRR or MLRA): P 136	Lat: 36.8067953		ng: -79.37083974	Datum: WGS 84		
			<u> </u>			
Soil Map Unit Name: 41A - Hatboro silt						
Are climatic / hydrologic conditions on the site	•		No (If no, e	•		
Are Vegetation, Soil, or Hydro	logysignificantly di	sturbed? Are "Norm	nal Circumstances" present?	Yes V No		
Are Vegetation, Soil, or Hydro	logynaturally probl	ematic? (If needed	d, explain any answers in Rer	marks.)		
SUMMARY OF FINDINGS – Attach	site map showing s	sampling point loo	cations, transects, imp	oortant features, etc.		
Hydrophytic Vegetation Present?	Yes 🗸 No	Is the Sampled Area	a			
Hydric Soil Present?	Yes No	within a Wetland?	Yes 🗸	No		
Wetland Hydrology Present?	Yes No No					
Remarks:						
All three wetland parameter	rs (i.e., wetland h	nydrology, hyd	rophytic vegetation	on, and hydric		
soils) were satisfied at this	•					
wetland.	•	•				
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)		
Primary Indicators (minimum of one is requi			Surface Soil Crack			
Surface Water (A1)	True Aquatic Plants			d Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Oc		Drainage Patterns			
Saturation (A3)	Oxidized Rhizospher	= :	· —	•		
Water Marks (B1)	Presence of Reduce		Dry-Season Water			
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (•		
Drift Deposits (B3)	Thin Muck Surface (·	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Other (Explain in Re	marks)	Stunted or Stresse	` '		
Iron Deposits (B5)	- \		Geomorphic Positi			
Inundation Visible on Aerial Imagery (B)	')		Shallow Aquitard (•		
Water-Stained Leaves (B9)			Microtopographic F	` '		
Aquatic Fauna (B13)			FAC-Neutral Test	(Do)		
Field Observations:	5					
Surface Water Present? Yes	No Depth (inch					
Water Table Present? Yes	No Depth (inch					
Saturation Present? Yes	No Depth (inch	es): 4 Wetla	and Hydrology Present?	Yes No No		
(includes capillary fringe)			16 11 1			
Describe Recorded Data (stream gauge, mo	initoring well, aerial photos	s, previous inspections)	, if available:			
Remarks:						
Surface water, high water,	and saturation in	ndicators were	not checked due	to a rain event		
			not checked due	to a rain event		
that occurred within 24 hou	irs of the fieldwo	ork.				

		Absolute	Dominant	Indicator	
Tre	e Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Dominance Test worksheet:
1.	Betula nigra	40		FACW	Number of Dominant Species
2.	Quercus phellos	25		FAC	That Are OBL, FACW, or FAC: 11 (A)
3.	Liquidambar styraciflua	20		FAC	Total Number of Dominant
4.	Liriodendron tulipifera	10		FACU	Species Across All Strata: 12 (B)
5.					Percent of Dominant Species
6.					That Are OBL, FACW, or FAC: 91.66 (A/B)
7.					Prevalence Index worksheet:
		95 =	Total Cover		Total % Cover of: Multiply by:
	50% of total cover: 47.50	20%	of total cover:	19.00	OBL species 15 x 1 = 15
Sap	oling/Shrub Stratum (Plot size: 15 ft r)				FACW species 112 x 2 = 224
1.	Cornus amomum	20		FACW	FAC species 167 x 3 = 501
2.	Acer rubrum	15		FAC	FACU species 42 $x 4 = 168$
3.	Ligustrum sinense	15		FACU	UPL species $0 x 5 = 0$
4.	Quercus phellos	15		FAC	Column Totals: (A) 908 (B)
5.	Liquidambar styraciflua	10		FAC	Prevalence Index = B/A = 2.70
6.	Juglans nigra	2		FACU	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 =	Total Cover		4 - Morphological Adaptations ¹ (Provide supporting
	50% of total cover: 38.50	20%	of total cover:	15.40	data in Remarks or on a separate sheet)
Her	<u>b Stratum</u> (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
1.	Agrimonia parviflora	25		FACW	¹ Indicators of hydric soil and wetland hydrology must be
2.	Dichanthelium clandestinum	20	~	FAC	present, unless disturbed or problematic.
3.	Boehmeria cylindrica	10	~	FACW	Definitions of Four Vegetation Strata:
4.	Cinna arundinacea	10	~	FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5.	Carex crinita	5		OBL	more in diameter at breast height (DBH), regardless of
6.	Carex Iurida	5		OBL	height.
7.	Cicuta maculata	5		OBL	Sapling/Shrub – Woody plants, excluding vines, less
8.	Toxicodendron radicans	5		FAC	than 3 in. DBH and greater than or equal to 3.28 ft
9.	Quercus phellos	5		FAC	(1 m) tall.
10.	Asimina triloba	2		FAC	Herb – All herbaceous (non-woody) plants, regardless
11.	Impatiens capensis	2		FACW	of size, and woody plants less than 3.28 ft tall.
		94 =	Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
	50% of total cover: 47.00	20%	of total cover:	18.80	height.
Wo	ody Vine Stratum (Plot size: 30 ft r)				
1.	Smilax rotundifolia	35	~	FAC	
2.	Vitis sp.	20	~		
3.	Campsis radicans	15		FAC	
4.	Parthenocissus quinquefolia	15		FACU	
5.	Apios americana	5		FACW	Hadran bada
		90	Total Cover		Hydrophytic Vegetation
	50% of total cover: 45.00		of total cover:	18.00	Present? Yes No
Rer	narks: (Include photo numbers here or on a sepa	rate sheet.)	_		

Sampling Point: DP 495

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument tl	he indica	ator or c	onfirm the absence	of indicators.)
Depth	Matrix			x Featur	es			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 8	10YR 4/2	90	10YR 4/4	10	С	PL / M	Silty Clay Loam	
8 - 18	10YR 4/2	80	10YR 4/6	15	С	PL / M	Silty Clay Loam	
8 - 18			10Y 5/6	5	С	PL / M	Silty Clay Loam	Secondary redox color
-								
-								
¹Type: C=Co	oncentration, D=Dep	letion, RN	/=Reduced Matrix, N	//S=Mas	ked San	d Grains	² Location	: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indic	cators for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	elow Sur	face (S8) (MLRA	147, 148)2	2 cm Muck (A10) (MLRA 147)
Histic Ep	ipedon (A2)		Thin Dark Su	urface (S	9) (MLR	A 147, 1	48)	Coast Prairie Redox (A16)
Black His	stic (A3)		Loamy Muck	y Miner	al (F1) (N	ILRA 13	6)	(MLRA 147, 148)
Hydroge	n Sulfide (A4)		Loamy Gley	ed Matrix	x (F2)		F	Piedmont Floodplain Soils (F19)
Stratified	Layers (A5)		✓ Depleted Ma	ıtrix (F3))			(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark				F	Red Parent Material (F21)
	Below Dark Surface	e (A11)	Depleted Da					(outside MLRA 127, 147, 148)
	rk Surface (A12)	` ,	Redox Depre		, ,		\	Very Shallow Dark Surface (F22)
	osulfide (A18)		Iron-Mangar			2) (I RR		Other (Explain in Remarks)
	ucky Mineral (S1)		MLRA 130			-/ (=: (:	··" — `	Surer (Explain in Hernante)
	leyed Matrix (S4)		Umbric Surfa		8) (MI DA	122 13	6)	
					-		3	cators of hydrophytic vegetation and
	edox (S5)		Piedmont Flo		-		u : ,	wetland hydrology must be present,
	Matrix (S6)		Red Parent	viateriai	(F21) (M	LRA 12	,, . ,	unless disturbed or problematic.
	face (S7)						1	unless disturbed or problematic.
	_ayer (if observed):							
Type: Depth (ir	iches).						Hydric Soil Prese	ent? Yes ✓ No
							1 Tryunc don't rese	16310
Remarks:								

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pittsylv	ania County	Sampling Date:	2025-05-22	
Applicant/Owner: Transcontinental	Gas Pipe Line Compa			Sampling Point:		
Investigator(s): JDF, MCS	•	Section, Township, Range		_		
Landform (hillside, terrace, etc.): Floodp	lain Lo	cal relief (concave, convex		Slope (%):	0-2	
	Lat: 36.806808				WGS 84	
Soil Map Unit Name: 7A - Codorus Ioai				 -	110004	
Are climatic / hydrologic conditions on the sit						
Are Vegetation, Soil, or Hydro	ologysignificantly di	sturbed? Are "Normal (Circumstances" present	? Yes <u>/</u>	No	
Are Vegetation, Soil, or Hydro	ologynaturally probl	ematic? (If needed, ex	cplain any answers in Re	emarks.)		
SUMMARY OF FINDINGS – Attach	site map showing s	sampling point locati	ions, transects, im	portant featur	es, 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 🗸					
Remarks:						
None of the three wetland	•	•	gy, nyaropnytic	vegetation	, or	
hydric soil) were satisfied a	it this data point.					
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two re	equired)	
Primary Indicators (minimum of one is requi	ired; check all that apply)		Surface Soil Crac	cks (B6)		
Surface Water (A1)	True Aquatic Plants			ed Concave Surfac	ce (B8)	
High Water Table (A2)	Hydrogen Sulfide Od		Drainage Pattern			
Saturation (A3)		res on Living Roots (C3)	Moss Trim Lines			
Water Marks (B1)	Presence of Reduce		Dry-Season Wate			
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (C8)			
Drift Deposits (B3)	Thin Muck Surface (·	Saturation Visible on Aerial Imagery (C9)			
Algal Mat or Crust (B4)	Other (Explain in Re	marks)	Stunted or Stress			
Iron Deposits (B5)	- '		Geomorphic Posi			
Inundation Visible on Aerial Imagery (B	<i>(</i>)		Shallow Aquitard			
Water-Stained Leaves (B9)			Microtopographic			
Aquatic Fauna (B13)		<u> </u>	FAC-Neutral Test	(D5)		
Field Observations:		,				
Surface Water Present? Yes	No Depth (inch	· ———				
Water Table Present? Yes	No V Depth (inch		Hardwale and Duran and O	V	N = V	
Saturation Present? Yes	No V Depth (inch	es): wetland	Hydrology Present?	Yes	No	
(includes capillary fringe) Describe Recorded Data (stream gauge, me	anitaring wall, agricl photos	nrovious inspections) if s	wailahla:			
Describe Recorded Data (stream gauge, mi	oriitoring well, aerial priotos	s, previous irispections), ii a	ivaliable.			
Remarks:						
No hydrology was observe	d at this data poi	nt.				
1						

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3. 4.	_			Total Number of Dominant Species Across All Strata: 4 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)
7.				Prevalence Index worksheet:
· · ·		=Total Cover		Total % Cover of: Multiply by:
50% of total cover:		of total cover:		OBL species 0 $x = 0$
Sapling/Shrub Stratum (Plot size: 15 ft r)			FACW species 15 x 2 = 30
1. Asimina triloba		V	FAC	FAC species 48 x 3 = 144
2. Rosa multiflora	15		FACU	FACU species 42 $x 4 = 168$
				UPL species ${0}$ $x = {0}$
4.				Column Totals: 105 (A) 342 (B)
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 ≤3.0¹
	35	=Total Cover		4 - Morphological Adaptations ¹ (Provide supporting
50% of total cover: 17.		of total cover:	7.00	data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)	2070	or total cover.		Problematic Hydrophytic Vegetation ¹ (Explain)
1. Bromus japonicus	50	✓		
2. Juncus effusus	10		FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
3. Ilex decidua	5		FACW	Definitions of Four Vegetation Strata:
4. Lonicera japonica	5		FACU	
5. Oxalis stricta	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of
6. Ranunculus sardous	3		FAC	height.
7. Solanum carolinense	2		FACU	One line (Oharda - Wanda alanda - analadia anaisa a land
8. Trifolium campestre	2			Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft
g. Galium sp.				(1 m) tall.
9. <u>Ganam sp.</u> 10.				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
· · · · · · · · · · · · · · · · · · ·	82	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 41.		of total cover:	16.40	height.
	20%	oi total cover.	10.40	
Woody Vine Stratum (Plot size: 30 ft r)	25	~	FAC	
Smilax rotundifolia	15		FACU	
2. Lonicera japonica	15			
3. Vitis sp.	10			
4. 	_			
5	55			Hydrophytic
		=Total Cover	11.00	Vegetation
50% of total cover: 27.	50 20%	of total cover:	11.00	Present? Yes No

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

No tree stratum was observed at this data point.

Sampling Point: DP 496

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or c	onfirm the abs	ence of indic	ators.)	
Depth	Matrix			x Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rem	arks
0 - 15	7.5YR 4/4	100					Clay Loam			
15 - 20	7.5YR 4/3	99	7.5YR 5/8	1	С	М	Clay Loam			_
										_
										_
	-									
							-			
¹ Type: C=Co	oncentration, D=Dep	letion, RN	1=Reduced Matrix, N	/IS=Mas	ked San	d Grains	. ² Lo	ocation: PL=P	ore Lining, M	=Matrix.
Hydric Soil I	ndicators:							Indicators f	or Problema	tic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	elow Sur	rface (S8) (MLRA	147, 148)	2 cm Mu	ıck (A10) (ML	-RA 147)
Histic Ep	ipedon (A2)		Thin Dark Su	urface (S	69) (MLR	A 147, 1	148)	Coast P	rairie Redox ((A16)
Black His	stic (A3)		Loamy Muck	y Miner	al (F1) (N	ILRA 13	36)	(MLR	A 147, 148)	
Hydrogei	n Sulfide (A4)		Loamy Gley	ed Matri	x (F2)			Piedmoi	nt Floodplain	Soils (F19)
Stratified	Layers (A5)		Depleted Ma	trix (F3))			(MLR	A 136, 147)	
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface	(F6)			Red Par	ent Material ((F21)
Depleted	Below Dark Surface	e (A11)	Depleted Da	rk Surfa	ce (F7)			(outsi	de MLRA 12	7, 147, 148)
Thick Da	rk Surface (A12)		Redox Depre	essions	(F8)			Very Sh	allow Dark Sเ	urface (F22)
Iron Mon	osulfide (A18)		Iron-Mangar	nese Ma	sses (F1	2) (LRR	N,	Other (E	Explain in Ren	narks)
Sandy M	ucky Mineral (S1)		MLRA 130	6)						
	leyed Matrix (S4)		Umbric Surfa		B) (MLRA	122, 13	36)			
	edox (S5)		Piedmont Flo					³ Indicators o	f hydrophytic	vegetation and
	Matrix (S6)		Red Parent		-			wetland	hydrology mu	ust be present,
	face (S7)			Matorial	() (., , ,		listurbed or p	•
	ayer (if observed):								<u></u>	
Type:										
Depth (in	iches):						Hydric Soil	Present?	Yes	No <u> </u>
Remarks:										

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pittsylv	vania County	Sampling Date: 2025-05-22		
Applicant/Owner: Transcontinental	Gas Pipe Line Compa	any, LLC	State: Virginia	Sampling Point: DP 497		
Investigator(s): JDF, MCS		Section, Township, Range				
Landform (hillside, terrace, etc.): Floodp	lain Lo	cal relief (concave, convex		Slope (%): 0-2		
· · · · · · · · · · · · · · · · · · ·			•	clope (70).		
Subregion (LRR or MLRA): P 136	Lat: 36.8073177		-79.36735486			
Soil Map Unit Name: 7A - Codorus loar	n, 0 to 2 percent slop			ion: N/A		
Are climatic / hydrologic conditions on the sit	e typical for this time of yea	ar? Yes 🗸	No (If no, e	explain in Remarks.)		
Are Vegetation, Soil, or Hydro	ologysignificantly di	sturbed? Are "Normal	Circumstances" present?	Yes V No No		
Are Vegetation , Soil , or Hydro	ology naturally probl	ematic? (If needed, e	xplain any answers in Re	emarks.)		
SUMMARY OF FINDINGS – Attach			ions, transects, im	portant 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 V	William & Wolland				
Remarks:						
None of the three wetland particles hydric soil) were satisfied a	· · · · · · · · · · · · · · · · · · ·	-	gy, hydrophytic	vegetation, or		
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two required)		
Primary Indicators (minimum of one is requi	red; check all that apply)	_	Surface Soil Crack	ks (B6)		
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetate	ed Concave Surface (B8)		
High Water Table (A2)	Hydrogen Sulfide Oc		Drainage Patterns	; (B10)		
Saturation (A3)		res on Living Roots (C3)	Moss Trim Lines (B16)		
Water Marks (B1)	Presence of Reduce		Dry-Season Water			
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows			
Drift Deposits (B3)	Thin Muck Surface (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 Posit	` '		
Inundation Visible on Aerial Imagery (B	7)		Shallow Aquitard (
Water-Stained Leaves (B9)			Microtopographic	, ,		
Aquatic Fauna (B13)			FAC-Neutral Test	(Do)		
Field Observations:	N 4 5 11 (1 1	,				
	No Depth (inch					
Water Table Present? Yes	No Depth (inch		Lludralami Dragant?	Yes No 🗸		
Saturation Present? Yes (includes capillary fringe)	No V Depth (inch	es) wetiand	I Hydrology Present?	Yes No V		
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos	nrevious inspections) if	available [.]			
Book Bo Neodraed Bald (oli edini gadge, ink	sinterning wear, derical priotest	,, providuo inopodiono,, ir c	available.			
Remarks:						
No hydrology was observed	d at this data poi	nt.				

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
·				Dominance rest worksneet.
Juniperus virginiana	35		FACU	Number of Dominant Species That Are ORL FACW or FAC: 1 (A)
2. Quercus phellos	5		FAC	That Are OBL, FACW, or FAC: 1 (A)
Liquidambar styraciflua 4.	1		FAC	Total Number of Dominant Species Across All Strata: 2 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.00 (A/B)
7.				Prevalence Index worksheet:
	41 =	Total Cover		Total % Cover of: Multiply by:
50% of total cover: 20.50		of total cover:	8.20	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft r)				FACW species $1 x 2 = 2$
1.				FAC species 71
2.				FACU species $\frac{62}{62}$ $x = \frac{248}{248}$
3.				UPL species 0 x 5 = 0
·				01 L species
4				
5.				Prevalence Index = B/A = 3.45
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 (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)
Microstegium vimineum	50		FAC	¹ Indicators of hydric soil and wetland hydrology must be
Schedonorus arundinaceus	15		FACU	present, unless disturbed or problematic.
3. Toxicodendron radicans	10		FAC	Definitions of Four Vegetation Strata:
4. Juniperus virginiana	5		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5. Rosa multiflora	5		FACU	more in diameter at breast height (DBH), regardless of
6. Viola sororia	3		FAC	height.
7. Ligustrum sinense	2		FACU	Sapling/Shrub – Woody plants, excluding vines, less
8. Quercus phellos	2		FAC	than 3 in. DBH and greater than or equal to 3.28 ft
g. Impatiens capensis	1		FACW	(1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11	93 -			
		Total Cover	10.00	Woody Vine – All woody vines greater than 3.28 ft in height.
50% of total cover: 46.50	20%	of total cover:	18.60	neight.
Woody Vine Stratum (Plot size: 30 ft r)				
1				
2				
3				
4				
5				Hydrophytic
	=	Total Cover		Vegetation
50% of total cover:	20%	of total cover:		Present? Yes No No
Remarks: (Include photo numbers here or on a sepa	arate sheet.)			•

No sapling/shrub or woody vine strata were observed at this location.

Sampling Point: DP 497

Profile Desc	ription: (Describe	to the de	oth needed to doc	ıment t	he indica	tor or c	onfirm the ab	sence of indic	ators.)	
Depth	Matrix			x Featu						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rem	arks
0 - 3	10YR 4/4	100					Clay Loam			
3 - 18	7.5YR 4/4	100					Clay Loam			
-										
¹Type: C=Co	oncentration, D=Dep	letion, RM	=Reduced Matrix, N	//S=Mas	ked San	d Grains	. ² L	ocation: PL=P	ore Lining, M	I=Matrix.
Hydric Soil I	ndicators:							Indicators fo	or Problema	tic Hydric Soils ³ :
Histosol	(A1)		Polyvalue B	elow Su	rface (S8	(MLRA	147, 148)	2 cm Mu	ıck (A10) (MI	_RA 147)
Histic Ep	ipedon (A2)		Thin Dark S	urface (S	59) (MLR	A 147, 1	48)	Coast Pi	rairie Redox	(A16)
Black His	stic (A3)		Loamy Muck	y Miner	al (F1) (N	ILRA 13	6)	(MLRA	A 147, 148)	
Hydroge	n Sulfide (A4)		Loamy Gley	ed Matri	x (F2)			Piedmor	nt Floodplain	Soils (F19)
Stratified	Layers (A5)		Depleted Ma	trix (F3))			(MLRA	A 136, 147)	
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface	(F6)			Red Par	ent Material	(F21)
Depleted	Below Dark Surface	e (A11)	Depleted Da	rk Surfa	ice (F7)			(outsi	de MLRA 12	7, 147, 148)
Thick Da	rk Surface (A12)		Redox Depr	essions	(F8)			Very Sha	allow Dark S	urface (F22)
	osulfide (A18)		Iron-Mangar		'	2) (LRR	N.		xplain in Rer	
	lucky Mineral (S1)		MLRA 13		`	, ,	•		•	,
	leyed Matrix (S4)		Umbric Surfa		3) (MLRA	122. 13	6)			
	edox (S5)		Piedmont Fl					³ Indicators o	f hydrophytic	vegetation and
	Matrix (S6)		Red Parent		-					ust be present,
			Red Parelli	viateriai	(FZI) (IVI	LKA 12	7, 147, 140)		isturbed or p	•
	face (S7) -ayer (if observed):								.о.ао.а. о. р	
Type:	ayor (oboor rou).									
Depth (ir	nches):						Hydric Soi	I Present?	Yes	No 🗸
Remarks:			<u> </u>				-			

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site	City/Count	y: Pittsylvania County	Sampling Date: 2025-05-22				
Applicant/Owner: Transcontinental Gas Pipe Lin		State: Virginia					
Investigator(s): JDF, MCS		ship, Range: N/A					
Landform (hillside, terrace, etc.): Floodplain		ave, convex, none): None	Slope (%): 0				
3 · · /		Long: -79.36751125	Datum: WGS 84				
Soil Map Unit Name: 7A - Codorus loam, 0 to 2 per			on: N/A				
Are climatic / hydrologic conditions on the site typical for this	time of year?	Yes _ No _ (If no, ex	xplain in Remarks.)				
Are Vegetation , Soil , or Hydrology sign	nificantly disturbed? A	re "Normal Circumstances" present?	Yes 🗸 No				
Are Vegetation , Soil , or Hydrology natu		f needed, explain any answers in Rer	marks.)				
SUMMARY OF FINDINGS – Attach site map sh	nowing sampling po	int locations, transects, imp	oortant features, etc.				
Hydric Soil Present? Yes No	Is the Sample within a Wet		No				
None of the three wetland parameter hydric soil) were satisfied at this data	•	ydrology, hydrophytic	vegetation, or				
HYDROLOGY							
Wetland Hydrology Indicators:		Secondary Indicators (minimum of two required)				
Primary Indicators (minimum of one is required; check all the	at apply)	Surface Soil Crack	s (B6)				
Surface Water (A1) True Aqua	atic Plants (B14)	Sparsely Vegetate	d Concave Surface (B8)				
High Water Table (A2) Hydrogen	Sulfide Odor (C1)	Drainage Patterns	Drainage Patterns (B10)				
Saturation (A3) Oxidized F	Rhizospheres on Living Ro	pots (C3) Moss Trim Lines (E	316)				
Water Marks (B1)Presence	of Reduced Iron (C4)	Dry-Season Water	Table (C2)				
Sediment Deposits (B2) Recent Iro	on Reduction in Tilled Soils		Crayfish Burrows (C8)				
Drift Deposits (B3) Thin Muck	Surface (C7)		Saturation Visible on Aerial Imagery (C9)				
Algal Mat or Crust (B4) Other (Ex	plain in Remarks)	Stunted or Stresse	Stunted or Stressed Plants (D1)				
Iron Deposits (B5)		Geomorphic Positi	on (D2)				
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (Shallow Aquitard (D3)				
Water-Stained Leaves (B9)		Microtopographic F					
Aquatic Fauna (B13)		FAC-Neutral Test ((D5)				
Field Observations:							
Surface Water Present? Yes No D	Depth (inches): 1						
Surface Water Present? Yes No No C	Depth (inches):						
Saturation Present? Yes No V	Depth (inches):	Wetland Hydrology Present?	Yes No V				
(includes capillary fringe)							
Describe Recorded Data (stream gauge, monitoring well, as	erial photos, previous insp	ections), if available:					
Remarks:							
Only one secondary wetland hydrolo	ogy indicator (i e	FAC-neural test) was	observed at				
this data point. Surface water indicate	tor was not chec	ked due to a rain even	t that occurred				
within 24 hours of the fieldwork.							

Total Number of Dominant Species Across All Strata: 2 (6) 5.	T - Otmotume	(D) (20 ft)	Absolute	Dominant	Indicator	
2.		(Plot size: 30 ft r	% Cover	Species?	Status	
1	-					
That Are OBL, FACW, or FAC: 50.00 (A)	3. 4.					
Prevalence Index worksheet: Total % Cover of Multiply by:	-					·
Sapling/Shrub Stratum Flot size: 15 ft r 20% of total cover:						(12)
Sapling/Shrub Stratum (Plot size: 15 ft r)	·		 .	-Total Cover		
FACW species 33 x 2 2 106		50% of total cover:				
1.	Sanling/Shrub			or total cover.		OBE species X 1
FACU species 59		Stratum (1 lot 3126. 10 lt1)				
UPL species 0						
Column Totals: 122						
Prevalence Index = B/A = 3.04						
Hydrophytic Vegetation Indicators: 7.						
1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide support data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 1. Poa pratensis 55						
8.						
3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide suppodata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)¹ 1. Poa pratensis 2. Lysimachia nummularia 3. Persicaria maculosa 10 FACW 4. Juncus tenuis 5 FAC 5. Ranunculus sardous 6. Juncus effusus 2 FACW 7. Solanum carolinense 2 FACW 9. Frachioum repens 9. FACW 10. 11. 122 = Total Cover 50% of total cover: 61.00 20% of total cover: 24.40 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide suppodata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)¹ ¹Indicators of hydric soil and wetland hydrology mupresent, unless disturbed or problematic. Definitions of Four Vegetation Strata: Tree − Woody plants, excluding vines, 3 in. (7.6 or more in diameter at breast height (DBH), regardles height. Sapling/Shrub − Woody plants, excluding vines, 1 than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 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 3.28 f height. Hydrophytic Vegetation¹ (Explain)¹ ¹Indicators of hydric soil and wettand hydrology mupresent, unless disturbed or problematic. Definitions of Four Vegetation¹ (Explain)¹ ¹Indicators of hydric soil and wettand hydrology mupresent, unless disturbed or problematic. Tree − Woody plants, excluding vines, 3 in. (7.6 or more in diameter at breast height (DBH), regardles height. Sapling/Shrub − Woody plants, excluding vines, 1 than 3 in. DBH and greater than or equal to 3.28 ft tall. Woody Vine − All woody vines greater than 3.28 ft height.						1
### Stratum (Plot size: 5 ft r	-					l —
Solution	J		 :	=Total Cover		l —
Problematic Hydrophytic Vegetation (Explain)		50% of total cover:				1
1. Poa pratensis 55	Herh Stratum			Of total cover.		
Lysimachia nummularia 40 FACW FACW Persicaria maculosa 10 FACW Juncus tenuis 5 FAC FAC Juncus effusus 5 FAC Trifolium repens 9 Fraxinus pennsylvanica 11 FACW Tree — Woody Vine Stratum FACW 122 FACU 11. 122 FACU 122 FACW Tree — Woody Vine Stratum FACW Moody Vine Stratum (Plot size: 30 ftr) 1. FACW Troil immediators of nydric soli and wetarian hydrology multiple sent, unless disturbed or problematic. Definitions of Four Vegetation Strata: 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, 1 than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb — All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft height. Woody Vine — All woody vines greater than 3.28 f height. Woody Vine — All woody vines greater than 3.28 f height. Hydrophytic Vegetation			55	~	FACU	1
Persicaria maculosa Persicaria maculosa Persicaria maculosa Definitions of Four Vegetation Strata: Tree – Woody plants, excluding vines, 3 in. (7.6 cr more in diameter at breast height (DBH), regardles height. FACU F				<u> </u>		
4. Juncus tenuis 5 FAC Ranunculus sardous 5 FAC 5. Ranunculus sardous 6. Juncus effusus 7. Solanum carolinense 8. Trifolium repens 9. Fraxinus pennsylvanica 10. 11. 122 = Total Cover 50% of total cover: 61.00 20% of total cover: 24.40 Woody Vine Stratum (Plot size: 30 ftr) 1. 2. 3. 4. 5. 4. Juncus tenuis 5 FAC FAC 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, 1 than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 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 3.28 f height. Hydrophytic Vegetation	- <u> </u>		10			·
5. Ranunculus sardous 5 FAC more in diameter at breast height (DBH), regardles height. 7. Solanum carolinense 2 FACU 8. Trifolium repens 2 FACU 9. Fraxinus pennsylvanica 1 FACW 11.		uis	5		FAC	
6. Juncus effusus 2 FACW 7. Solanum carolinense 8. Trifolium repens 9. Fraxinus pennsylvanica 11 FACW 10. 11. 122 =Total Cover 50% of total cover: 61.00 20% of total cover: 24.40 Woody Vine Stratum (Plot size: 30 ft r) 1. 2. 3. 4. 5. 1. Herb — All herbaceous (non-woody) plants, regard of size, and woody vines greater than 3.28 ft height. Woody Vine Stratum (Plot size: 30 ft r) 1. 2. Hydrophytic Vegetation		sardous	5		FAC	more in diameter at breast height (DBH), regardless of
7. Solanum carolinense 2 FACU 8. Trifolium repens 2 FACU 9. Fraxinus pennsylvanica 1 FACW 10.	· -	sus	2		FACW	
8. Trifolium repens 2 FACU 9. Fraxinus pennsylvanica 1 FACW 10.	· -	rolinense	2		FACU	Sanling/Shrub – Woody plants excluding vines less
9. Fraxinus pennsylvanica 1		pens	2		FACU	than 3 in. DBH and greater than or equal to 3.28 ft
10	· 	nnsylvanica	1		FACW	· · · · · · · · · · · · · · · · · · ·
11	·					Herb – All herbaceous (non-woody) plants, regardless
122						
50% of total cover: 61.00 20% of total cover: 24.40 height. Woody Vine Stratum (Plot size: 30 ft r) 1.			122	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
Woody Vine Stratum (Plot size: 30 ft r		50% of total cover: 61.00			24.40	, ,
1	Woodv Vine St					
2	1	· <u> </u>				
3	· ——					
4						
5. Hydrophytic Vegetation						
=Total Cover Hydrophytic Vegetation						
	<u> </u>			=Total Cover		
		50% of total cover:				Present? Yes No
Remarks: (Include photo numbers here or on a separate sheet.)				UI lUlai GOVGI.		Flesent: 165 NO

No tree, sapling/shrub, or woody vine strata were observed at this data point.

Sampling Point: DP 498

Profile Desc	ription: (Describe	to the de	pth needed to doc	ument t	he indica	ator or o	confirm the abs	ence of indicators.)		
Depth	Matrix			x Featu		0				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0 - 8	10YR 4/3	85	7.5YR 4/6	<u>15</u>	<u>C</u>	M	Clay Loam			
8 - 18	10YR 5/3	80	7.5YR 4/6	20	С	М	Clay Loam			
	_	· —								
¹ Type: C=Co	oncentration, D=Dep	letion, RN	/I=Reduced Matrix, №	√S=Mas	sked San	d Grains	s. ² Lo	ocation: PL=Pore Lining, M=Matrix.		
Hydric Soil	Indicators:							Indicators for Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Be	elow Su	rface (S8) (MLRA	A 147, 148)	2 cm Muck (A10) (MLRA 147)		
Histic Ep	pipedon (A2)		Thin Dark S	urface (S	39) (MLR	A 147,	148)	Coast Prairie Redox (A16)		
Black Hi	stic (A3)		Loamy Mucl	ky Miner	al (F1) (N	ILRA 13	36)	(MLRA 147, 148)		
Hydroge	n Sulfide (A4)		Loamy Gley	ed Matri	x (F2)			Piedmont Floodplain Soils (F19)		
Stratified	l Layers (A5)		Depleted Ma	atrix (F3))			(MLRA 136, 147)		
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface	(F6)			Red Parent Material (F21)		
Depleted	l Below Dark Surfac	e (A11)	Depleted Da	ırk Surfa	ce (F7)			(outside MLRA 127, 147, 148)		
Thick Da	rk Surface (A12)		Redox Depr	essions	(F8)			Very Shallow Dark Surface (F22)		
Iron Mor	osulfide (A18)		Iron-Mangar	nese Ma	sses (F1	2) (LRR	R N, Other (Explain in Remarks)			
Sandy M	lucky Mineral (S1)		MLRA 13	6)						
Sandy G	leyed Matrix (S4)		Umbric Surfa	ace (F13	3) (MLRA	122, 13	36)	2		
Sandy R	edox (S5)		Piedmont Fl	oodplair	n Soils (F	19) (ML	RA 148)	³ Indicators of hydrophytic vegetation and		
Stripped	Matrix (S6)		Red Parent	Material	(F21) (M	LRA 12	7, 147, 148)	wetland hydrology must be present,		
Dark Su	face (S7)							unless disturbed or problematic.		
Restrictive I	_ayer (if observed):	:								
Type:										
Depth (ir	nches):						Hydric Soil	Present? Yes No V		
Remarks:										

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region

See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pittsylv	ania County	Sampling Date: 2025-05-22			
Applicant/Owner: Transcontinental	Gas Pipe Line Compa	any, LLC	State: Virginia	Sampling Point: DP 499			
Investigator(s): JDF, MCS Section, Township, Range: N/A							
Landform (hillside, terrace, etc.): Floodpl	ain Lo	cal relief (concave, convex,		Slope (%): 0			
	Lat: 36.806738		-79.36757936	Datum: WGS 84			
Soil Map Unit Name: 7A - Codorus loar							
		4		•			
Are climatic / hydrologic conditions on the site				explain in Remarks.)			
Are Vegetation, Soil, or Hydro	· · · · · · · · · · · · · · · · · · ·		Circumstances" present?				
Are Vegetation, Soil, or Hydro	logy naturally probl	ematic? (If needed, ex	plain any answers in Rei	marks.)			
SUMMARY OF FINDINGS – Attach	site map showing s	sampling point locati	ons, transects, imp	portant 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 🗸						
Remarks:							
None of the three wetland p	narameters (i e	wetland hydrolog	ny hydrophytic	vegetation or			
-	-	•	, , , , , a. op , , , a. o	rogotation, or			
hydric soil) were satisfied a	t tills data point.						
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required)			
Primary Indicators (minimum of one is requi	red; check all that apply)		Surface Soil Crack				
Surface Water (A1)	True Aquatic Plants			ed Concave Surface (B8)			
High Water Table (A2)	Hydrogen Sulfide Oc		Drainage Patterns				
Saturation (A3)		res on Living Roots (C3)	Moss Trim Lines (I	·			
Water Marks (B1)	Presence of Reduce		Dry-Season Water				
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (
Drift Deposits (B3)	Thin Muck Surface (•		on Aerial Imagery (C9)			
Algal Mat or Crust (B4) Iron Deposits (B5)	Other (Explain in Re	marks)	Stunted or Stresse Geomorphic Positi				
Inundation Visible on Aerial Imagery (B	7)		Shallow Aquitard (` '			
Water-Stained Leaves (B9)	1)		Microtopographic I				
Aquatic Fauna (B13)			FAC-Neutral Test	, ,			
Field Observations:				()			
	No Depth (inch	es)·					
Water Table Present? Yes	No Popth (inch						
Saturation Present? Yes	No Pepth (inch		Hydrology Present?	Yes No 🗸			
(includes capillary fringe)		, <u> </u>					
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos	s, previous inspections), if a	vailable:				
Remarks:							
No hydrology was observed	d at this data poi	nt.					
	•						

	Absolute	Dominant	Indicator	
ree Stratum (Plot size: 30 ft r)	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: (A)
				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: 0.00 (A/B)
				Prevalence Index worksheet:
	=	=Total Cover		Total % Cover of: Multiply by:
50% of total cover:	20%	of total cover:	:	OBL species $0 x 1 = 0$
apling/Shrub Stratum (Plot size: 15 ft r	_)			FACW species $0 x 2 = 0$
	_			FAC species 17 $x 3 = 51$
				FACU species 130 x 4 = 520
-				UPL species $\frac{1}{0}$ $x = \frac{1}{0}$
	_			Column Totals: 147 (A) 571 (B
				Prevalence Index = B/A = 3.88
				Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
				2 - Dominance Test is >50%
·				3 - Prevalence Index is ≤3.0 ¹
	=	=Total Cover		4 - Morphological Adaptations (Provide supporting
50% of total cover:	20%	of total cover:	•	data in Remarks or on a separate sheet)
erb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
Poa pratensis	80	✓	FACU	
Trifolium repens	30	✓	FACU	¹ Indicators of hydric soil and wetland hydrology must l present, unless disturbed or problematic.
Ranunculus sardous	15		FAC	Definitions of Four Vegetation Strata:
Solanum carolinense	10		FACU	_
	10			Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of more in diameter at breast height (DBH), regardless of
Stellaria graminea			FACU	height.
Verbena urticifolia	2		FAC	Tiolight.
· .				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
1.				of size, and woody plants less than 3.28 ft tall.
	147	=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 73		of total cover:	29.40	height.
/oody Vine Stratum (Plot size: 30 ft r	2070	J. 10101 00 VOI.		
·				
				Hydrophytic
	 =	Total Cover		Hydrophytic Vegetation
500/ - \$4-4-1	20%	of total cover:		Present? Yes No
50% of total cover:				

ENG FORM 6116-4, SEP 2024

Profile Desc	ription: (Describe	to the dep				tor or c	onfirm the abs	sence of indica	ators.)	
Depth	Matrix			x Featu						
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Rem	arks
0 - 18	10YR 4/4	100					Clay Loam			
_										
							•			_
-										
¹Type: C=Co	ncentration, D=Dep	letion, RM	=Reduced Matrix, N	/IS=Mas	ked San	d Grains	. ² Lo	ocation: PL=Po	ore Lining, M	l=Matrix.
Hydric Soil I	ndicators:							Indicators fo	r Problema	tic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Be	elow Su	rface (S8	(MLRA	147, 148)	2 cm Mu	ck (A10) (MI	_RA 147)
Histic Ep	ipedon (A2)		Thin Dark S	urface (S	59) (MLR	A 147, 1	148)	Coast Pr	airie Redox	(A16)
Black His			Loamy Muck			ILRA 13	66)		147, 148)	
	n Sulfide (A4)		Loamy Gley	ed Matri	x (F2)				t Floodplain	Soils (F19)
	Layers (A5)		Depleted Ma						136, 147)	
	ck (A10) (LRR N)		Redox Dark						ent Material	
	Below Dark Surface	e (A11)	Depleted Da		, ,					7, 147, 148)
	rk Surface (A12)		Redox Depre		'					urface (F22)
	osulfide (A18)		Iron-Mangar		sses (F12	2) (LRR	N,	Other (E	xplain in Rer	narks)
	ucky Mineral (S1)		MLRA 130		2\ /MI D A	122 12	·e)			
	leyed Matrix (S4) edox (S5)		Umbric Surfa					³ Indicators of	hvdrophytic	vegetation and
	Matrix (S6)			nont Floodplain Soils (F19) (MLRA 148) Parent Material (F21) (MLRA 127, 147, 148)				wetland hydrology must be present,		
	face (S7)		Red raient	viateriai	(1 Z 1) (W	LIVA IZ	1, 141, 140)		sturbed or p	•
	.ayer (if observed):								·	
Type:	,									
Depth (in	ches):						Hydric Soi	I Present?	Yes	No 🗸
Remarks:							<u> </u>			

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site	City/County	: Pittsylvania County	Sampling Date: 2025-05-22
Applicant/Owner: Transcontinental Gas		State: Virginia	
Investigator(s): JDF, MCS	Section, Towns		· · · <u></u>
Landform (hillside, terrace, etc.): Floodplain		ve, convex, none): Concave	Slope (%): 0-2
Subregion (LRR or MLRA): P 136	<u> </u>	Long: -79.36776053	Datum: WGS 84
Soil Map Unit Name: 7A - Codorus Ioam, C	_		
Are climatic / hydrologic conditions on the site typ	•	Yes No (If no, ex	
Are Vegetation, Soil, or Hydrology	· ·	e "Normal Circumstances" present?	
Are Vegetation, Soil, or Hydrology	/naturally problematic? (If	needed, explain any answers in Rem	narks.)
SUMMARY OF FINDINGS – Attach sit	te map showing sampling po	int locations, transects, imp	ortant features, etc.
Hydrophytic Vegetation Present? Yes	s V No Is the Sample	ed Area	
Hydric Soil Present? Yes	s No within a Wet	land? Yes_	No
Wetland Hydrology Present? Yes	s No		
Remarks:	•		
All three wetland parameters ((i.e., wetland hydrology,	hydrophytic vegetation	n, and hydric
soil) were satisfied at this data	a point. The data point i	s confined to the area	delineated as a
wetland.			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (m	ninimum of two required)
Primary Indicators (minimum of one is required;		Surface Soil Cracks	
Surface Water (A1)	True Aquatic Plants (B14)		I Concave Surface (B8)
High Water Table (A2)	_ Hydrogen Sulfide Odor (C1)	Drainage Patterns (•
 -	Oxidized Rhizospheres on Living Ro		•
Water Marks (B1) Sediment Deposits (B2)	Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils	Dry-Season Water ⁻ (C6) Crayfish Burrows (C	
Drift Deposits (B3)	Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·	n Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Remarks)	Stunted or Stressed	• • • •
Iron Deposits (B5)	_ Other (Explain in Normanie)	Geomorphic Positio	` ,
Inundation Visible on Aerial Imagery (B7)		Shallow Aquitard (D	
Water-Stained Leaves (B9)		Microtopographic R	·
Aquatic Fauna (B13)		FAC-Neutral Test (I	` '
Field Observations:			
Surface Water Present? Yes V	o Depth (inches): 1		
Surface Water Present? Yes ✓ No Water Table Present? Yes No Saturation Present? Yes No	o Depth (inches): 1 Depth (inches):		
	o 🗸 Depth (inches):	Wetland Hydrology Present?	Yes No No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monito	oring well, aerial photos, previous inspe	ections), if available:	
Remarks:			
Surface water indicator was n	ot checked due to a rair	n event that occurred w	ithin 24 hours
of the fieldwork.			
of the heldwork.			

EGETATION (Four Strata) – Use scier	Absolute	Dominant	Indicator	Sampling Point: DP 500
<u>Free Stratum</u> (Plot size: 30 ft r)	% Cover	Species?	Indicator Status	Dominance Test worksheet:
	70 0010.	ороског.	Otatao	
				Number of Dominant Species That Are OBL FACW or FAC: 2 (A)
				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		Total % Cover of: Multiply by:
50% of total cover:	20%	of total cover:		OBL species 0 x 1 = 0
apling/Shrub Stratum (Plot size: 15 ft r)			FACW species 02510
	_		FACW	FAC species 0351010 x 3 = 1053030
			FAC	FACU species $0 x4 = 0$
			FACW	UPL species $0 \times 5 = 0$
			FAC	Column Totals: 353520 (A) 1058050 (B
			FAC	Prevalence Index = B/A = 2.99
			. до	Hydrophytic Vegetation Indicators:
•				1 - Rapid Test for Hydrophytic Vegetation
•				2 - Dominance Test is >50%
				✓ 3 - Prevalence Index is ≤3.0 ¹
	=	=Total Cover		4 - Morphological Adaptations (Provide supporting
50% of total cover:	20%	of total cover:		data in Remarks or on a separate sheet)
lerb Stratum (Plot size: 5 ft r)				Problematic Hydrophytic Vegetation ¹ (Explain)
Ranunculus sardous	35		FAC	¹ Indicators of hydric soil and wetland hydrology must b
Persicaria maculosa	25		FACW	present, unless disturbed or problematic.
Carex blanda	10		FAC	Definitions of Four Vegetation Strata:
Carex molesta	10		FAC	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of
Lysimachia nummularia	10		FACW	more in diameter at breast height (DBH), regardless o
. ·				height.
· ·				One the Motor to Management and the section of the
				Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft
·				(1 m) tall.
0				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
1				
		=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 45.	00 20%	of total cover:	18.00	height.
Voody Vine Stratum (Plot size: 30 ft r)				
•	 .	Total Cover		Hydrophytic
				Vegetation
50% of total cover:		of total cover:		Present? Yes No

No tree, sapling/shrub, or woody vine strata were observed at this sampling location.

Profile Desci	ription: (Describe	to the de	pth needed to docu	ıment t	he indica	ator or c	onfirm the absence	ce of indicators.)
Depth	Matrix			x Featu				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0 - 7	10YR 5/2	85	7.5YR 4/6	15	С	PL / M	Clay Loam	
7 - 18	10YR 5/3	80	7.5YR 4/6	20	С	М	Clay	
_								_
								-
							-	
-								
¹ Type: C=Co	ncentration, D=Dep	letion, RN	/I=Reduced Matrix, N	/IS=Mas	sked San	d Grains	. ² Locat	ion: PL=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						In	dicators for Problematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Be		-			2 cm Muck (A10) (MLRA 147)
	pedon (A2)		Thin Dark Su					Coast Prairie Redox (A16)
Black His			Loamy Muck			ILRA 13	66)	(MLRA 147, 148)
	Sulfide (A4)		Loamy Gleye				_	Piedmont Floodplain Soils (F19)
	Layers (A5)		✓ Depleted Ma					(MLRA 136, 147)
	ck (A10) (LRR N)		Redox Dark		` '			Red Parent Material (F21)
	Below Dark Surface	e (A11)	Depleted Da		, ,			(outside MLRA 127, 147, 148)
	k Surface (A12)		Redox Depre		-		—	Very Shallow Dark Surface (F22)
	osulfide (A18)		Iron-Mangan		sses (F1	2) (LRR	N,	Other (Explain in Remarks)
	ucky Mineral (S1)		MLRA 136		 .			
	eyed Matrix (S4)		Umbric Surfa				3.	ndicators of hydrophytic vegetation and
Sandy Re			Piedmont Flo		-		u ,	wetland hydrology must be present,
	Matrix (S6)		Red Parent I	viateriai	(F21) (M	ILRA 12	7, 147, 148)	unless disturbed or problematic.
Dark Surf	ace (S7) ayer (if observed):							unicas disturbed of problematic.
Type:	ayer (ii observeu).							
Depth (in	ches):						Hydric Soil Pre	esent? Yes 🗸 No
Remarks:	<u> </u>		-				<u> </u>	
rtemante.								

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pittsylv	vania County	Sampling Date: 2025-09	5-22
Applicant/Owner: Transcontinental	Gas Pipe Line Compa			Sampling Point: DP 50	
Investigator(s): JDF, MCS		Section, Township, Range			
Landform (hillside, terrace, etc.): Floodp	lain Lo	cal relief (concave, convex		Slope (%): 0	
· · · · · · · · · · · · · · · · · · ·	Lat: 36.8063275				0.4
Subregion (LRR or MLRA): P 136			-79.36803421	Datum: WGS	04
Soil Map Unit Name: 7A - Codorus loar	n, 0 to 2 percent slop			ion: N/A	
Are climatic / hydrologic conditions on the sit	e typical for this time of yea	ar? Yes 🗸	No (If no, e	xplain in Remarks.)	
Are Vegetation, Soil, or Hydro	ologysignificantly di	sturbed? Are "Normal	Circumstances" present?	Yes 🗸 No	
Are Vegetation , Soil , or Hydro	ology naturally probl	ematic? (If needed, ex	xplain any answers in Rei	marks.)	
SUMMARY OF FINDINGS – Attach	site map showing s	sampling point locat	ions, transects, imp	portant features, et	tc.
Hydrophytic Vegetation Present?	Yes No 🗸	Is the Sampled Area			
Hydric Soil Present?	Yes No 🗸	within a Wetland?	Yes	No 🗸	
Wetland Hydrology Present?	Yes No V				
Remarks:					
None of the three wetland phydric soil) were satisfied a	•	•	gy, hydrophytic	vegetation, or	
HYDROLOGY					
Wetland Hydrology Indicators:			Secondary Indicators (minimum of two required	<u>(k</u>
Primary Indicators (minimum of one is requi	red; check all that apply)		Surface Soil Crack	(s (B6)	
Surface Water (A1)	True Aquatic Plants			ed Concave Surface (B8)	į.
High Water Table (A2)	Hydrogen Sulfide Oc		Drainage Patterns		
Saturation (A3)		res on Living Roots (C3)	Moss Trim Lines (I	•	
Water Marks (B1)	Presence of Reduce		Dry-Season Water		
Sediment Deposits (B2)		on in Tilled Soils (C6)	Crayfish Burrows (
Drift Deposits (B3)	Thin Muck Surface (•		on Aerial Imagery (C9)	
Algal Mat or Crust (B4)	Other (Explain in Re	marks)	Stunted or Stresse Geomorphic Positi	, ,	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B	7)		Shallow Aquitard (` '	
Water-Stained Leaves (B9)	')		Microtopographic I	` '	
Aquatic Fauna (B13)			FAC-Neutral Test	` '	
Field Observations:				(23)	
	No Depth (inch	es).			
Water Table Present? Yes	No Pepth (inch				
Saturation Present? Yes	No ✓ Depth (inch		I Hydrology Present?	Yes No	/
(includes capillary fringe)					—
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos	s, previous inspections), if a	available:		
, ,					
Remarks:					
No hydrology was observed	d at this data noi	nt			
No Hydrology was observed	a at this data poi	116.			

Tree Stratum (Plot size: 30 ft r)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1 2				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 3 (B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 33.33 (A/B)
7				Prevalence Index worksheet:
		=Total Cover		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 $\frac{2}{x^2}$ $x^2 = \frac{4}{x^2}$
1				FAC species 20 x 3 = 60
2.				FACU species 100 $x 4 = 400$
3.				UPL species $0 x 5 = 0$
4.				Column Totals: 122 (A) 464 (B)
5.				Prevalence Index = B/A = 3.80
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
50% of total cover:		of total cover:		data in Remarks or on a separate sheet)
Herb Stratum (Plot size: 5 ft r)		or total cover.		Problematic Hydrophytic Vegetation ¹ (Explain)
1. Poa pratensis	50	~	FACU	1 . · · · · · · · · · · · · · · · · · ·
	20		FAC	¹ Indicators of hydric soil and wetland hydrology must be
	20		FACU	present, unless disturbed or problematic.
3. Trifolium repens	10		FACU	Definitions of Four Vegetation Strata:
4. Schedonorus pratensis				Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5. Solanum carolinense	10		FACU	more in diameter at breast height (DBH), regardless of height.
6. Stellaria graminea	10		FACU	Holghi.
7. Vernonia noveboracensis	2		FACW	Sapling/Shrub – Woody plants, excluding vines, less
8.				than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9				(1 III) tall.
10				Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
11	100			
		=Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 61.00	20%	of total cover:	24.40	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1				
2				
3.				
4				
5.				Hydrophytic
	:	Total Cover		Vegetation
50% of total cover:	20%	of total cover:		Present? Yes No
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

No tree, sapling/shrub, or woody vine strata were observed at this data point.

Sampling Point: DP 501

	ription: (Describe	to the de	pth needed to docu	ument t	he indica	ator or o	onfirm the absen	ce of indicators	.)		
Depth	Matrix			x Featu							
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks		
0 - 5	10YR 5/3	98	7.5YR 4/6	2	С	М	Clay Loam				
5 - 18	10YR 4/4	90	7.5YR 4/6	10	С	М	Clay Loam				
_											
-											
¹ Type: C=Co	ncentration, D=Dep	letion, RN	/=Reduced Matrix, N	/IS=Mas	sked San	d Grains	. ² Loca	tion: PL=Pore Li	ning, M=Matrix.		
Hydric Soil I	ndicators:						Ir	ndicators for Pro	blematic Hydric Soils ³ :		
Histosol (•		Polyvalue Be		-		_		10) (MLRA 147)		
l —	pedon (A2)		Thin Dark Su				_	Coast Prairie I	` '		
Black His			Loamy Muck			/ILRA 13	36)	(MLRA 147,	·		
	Sulfide (A4)		Loamy Gleye				_		odplain Soils (F19)		
	Layers (A5)		Depleted Ma	` '				(MLRA 136,	-		
	ck (A10) (LRR N) Below Dark Surface	- (Δ11)	Redox Dark Depleted Da		` '		_	Red Parent M	RA 127, 147, 148)		
	rk Surface (A12)	3 (7 (1 1)	Redox Depre		, ,				Dark Surface (F22)		
	osulfide (A18)		Iron-Mangar		-	2) (LRR					
Sandy Mı	ucky Mineral (S1)		MLRA 136	5)			_	_	·		
Sandy Gl	eyed Matrix (S4)		Umbric Surfa	ace (F13	3) (MLRA	122, 13					
Sandy Re			Piedmont Flo		-		,	-	ophytic vegetation and		
	Matrix (S6)		Red Parent I	Material	(F21) (M	(F21) (MLRA 127, 147, 148) wetland hydrology must be present,					
Dark Surf							1	uniess disturb	ed or problematic.		
	ayer (if observed):										
Type: Depth (in	ches).						Hydric Soil Pr	resent? Y	es No 🗸		
Remarks:							1 11,4110 00111				
Nemarks.											

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

Project/Site: Cherrystone PRM Site		City/County: Pittsylv	ania County	Sampling Date: ²⁰²⁵⁻⁰⁵⁻²²
	Gas Pipe Line Compar			Sampling Point: DP 502
Investigator(s): JDF, MCS		Section, Township, Range		
Landform (hillside, terrace, etc.): Floodp		al relief (concave, convex,		Slope (%): 0-2
·		•	· ———	Slope (%) Datum: WGS 84
Subregion (LRR or MLRA): P 136			-79.36848493	
Soil Map Unit Name: 7A - Codorus Ioa	n, 0 to 2 percent slope			
Are climatic / hydrologic conditions on the sit	e typical for this time of year	? Yes <u>/</u>	No (If no, ex	plain in Remarks.)
Are Vegetation, Soil, or Hydro	ologysignificantly dist	turbed? Are "Normal 0	Circumstances" present?	Yes V No
Are Vegetation, Soil, or Hydro	ologynaturally proble	matic? (If needed, ex	plain any answers in Rem	narks.)
SUMMARY OF FINDINGS – Attach	site map showing sa	ampling point locati	ons, transects, imp	ortant 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 V No			
Remarks:				
All three wetland paramete	rs (i.e., wetland h	vdrology, hvdroi	ohytic vegetatio	n. and hvdric
soil) were satisfied at this o				· •
wetland.	р с	p		
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)
Primary Indicators (minimum of one is requ	red; check all that apply)		Surface Soil Cracks	•
Surface Water (A1)	True Aquatic Plants (E	314)		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 (B	16)
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 (C	C8)
Drift Deposits (B3)	Thin Muck Surface (C	7)	Saturation Visible o	n Aerial Imagery (C9)
Algal Mat or Crust (B4)	Other (Explain in Rem	narks)	Stunted or Stressed	d Plants (D1)
Iron Deposits (B5)			✓ Geomorphic Positio	on (D2)
Inundation Visible on Aerial Imagery (B	7)		Shallow Aquitard (D	03)
Water-Stained Leaves (B9)			Microtopographic R	` '
Aquatic Fauna (B13)			FAC-Neutral Test (I	D5)
Field Observations:				
Surface Water Present? Yes	No Depth (inches No Depth (inches Depth (inches	s): <u>1</u>		
Water Table Present? Yes	No V Depth (inches	s):		4
	No V Depth (inches	s): Wetland	Hydrology Present?	Yes No
(includes capillary fringe)			7.11	
Describe Recorded Data (stream gauge, m	onitoring well, aerial photos,	previous inspections), if a	vallable:	
Remarks:				
Surface water indicator wa	s not checked due	e to a rain event	that occurred w	ithin 24 hours
of the fieldwork.	o not onconca da		that occurred vi	7101111 24 110010
of the heldwork.				

	Absolute	Dominant	Indicator	
<u>Tree Stratum</u> (Plot size: 30 ft r)	% Cover	Species?	Status	Dominance Test worksheet:
1			FAC	Number of Dominant Species
2.			FACW	That Are OBL, FACW, or FAC: 2 (A)
3.			FACU	Total Number of Dominant
4.			FACU	Species Across All Strata: 2 (B)
5.			OBL	Percent of Dominant Species
6.			FAC	That Are OBL, FACW, or FAC: 100.00 (A/B)
7.			FACW	Prevalence Index worksheet:
		Total Cover		Total % Cover of: Multiply by:
50% of total cover:		of total cover:		OBL species 05
Sapling/Shrub Stratum (Plot size: 15 ft r)			FACW species 0252 x 2 = 504
1	,			FAC species 0305 x 3 = 915
2.				FACU species 020201
3.				UPL species 0 $x = 5$
4.				Of L species X 3 -
5.				Column Totals: $\frac{20763}{}$ (A) $\frac{82228}{}$ (B) Prevalence Index = B/A = 3.96
-				
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 Cover		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. Ranunculus sardous	30		FAC	¹ Indicators of hydric soil and wetland hydrology must be
Vernonia noveboracensis	25		FACW	present, unless disturbed or problematic.
3. Poa pratensis	20		FACU	Definitions of Four Vegetation Strata:
4. Trifolium repens	20		FACU	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or
5. Hibiscus moscheutos	5		OBL	more in diameter at breast height (DBH), regardless of
6. Juncus tenuis	5		FAC	height.
7. Juncus effusus	2		FACW	Sapling/Shrub – Woody plants, excluding vines, less
8. Apocynum cannabinum	1		FACU	than 3 in. DBH and greater than or equal to 3.28 ft
9.			· <u> </u>	(1 m) tall.
10.				Herb – All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
	108	Total Cover		Woody Vine – All woody vines greater than 3.28 ft in
50% of total cover: 54.0	0 20%	of total cover:	21.60	height.
Woody Vine Stratum (Plot size: 30 ft r)				
1.				
2.				
2				
4.				
5		Total Cause		Hydrophytic
F00/ - 54-4-1		=Total Cover		Vegetation
50% of total cover:	20%	of total cover:	·	Present? Yes No No
Remarks: (Include photo numbers here or on a sen-	arata chaot)			

No tree, sapling/shrub, or woody vine strata were observed at this data point.

Sampling Point: DP 502

SOIL Sampling Point: DP 502

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth	Matrix			x Featur							
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks			
0 - 8	10YR 4/2	75	7.5YR 4/6	25	<u>C</u>	PL / M	Clay Loam				
8 - 12	10YR 5/2	80	7.5YR 4/6	20	<u>C</u>	M	Clay Loam	With manganese concretions observed			
12 - 18	10YR 5/2	60	7.5YR 4/3	30	<u>C</u>	M	Clay	With manganese concretions observed			
12 - 18			7.5YR 5/6	10	С	M	Clay	Secondary redox color			
_											
¹ Type: C=Co	ncentration, D=Dep	letion, RN	1=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains	. ² Location	n: PL=Pore Lining, M=Matrix.			
Hydric Soil I	ndicators:						Indio	cators for Problematic Hydric Soils ³ :			
Histosol	(A1)		Polyvalue Be	elow Sur	face (S8) (MLRA	-				
Histic Ep	ipedon (A2)		Thin Dark Sເ	urface (S	9) (MLR	A 147, 1	48)	Coast Prairie Redox (A16)			
Black His	stic (A3)		Loamy Muck	y Minera	al (F1) (N	ILRA 13	6)	(MLRA 147, 148)			
Hydroge	n Sulfide (A4)		Loamy Gleye	ed Matrix	k (F2)		Piedmont Floodplain Soils (F19)				
Stratified	Layers (A5)		✓ Depleted Ma	trix (F3)				(MLRA 136, 147)			
2 cm Mu	ck (A10) (LRR N)		Redox Dark	Surface	(F6)		!	Red Parent Material (F21)			
Depleted	Below Dark Surface	e (A11)	Depleted Da	rk Surfa	ce (F7)			(outside MLRA 127, 147, 148)			
Thick Da	rk Surface (A12)		Redox Depre	essions ((F8)		Very Shallow Dark Surface (F22)				
Iron Mon	osulfide (A18)		Iron-Mangan	ese Mas	sses (F12	2) (LRR	N,	Other (Explain in Remarks)			
Sandy M	ucky Mineral (S1)		MLRA 136	S)							
Sandy G	leyed Matrix (S4)		Umbric Surface (F13) (MLRA 122, 136)								
Sandy R	edox (S5)		Piedmont Flo	oodplain	Soils (F	19) (MLF	RA 148) ³ Indicators of hydrophytic vegetation and				
Stripped	Matrix (S6)		Red Parent Material (F21) (MLRA 127								
Dark Sur	face (S7)						ı	unless disturbed or problematic.			
Restrictive L	ayer (if observed):										
Type:								_			
Depth (in	ches):					Hydric Soil Prese	ent? Yes 🗸 No				
Remarks:											

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Eastern Mountains and Piedmont Region See ERDC/EL TR-12-9; the proponent agency is CECW-COR

OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: Cherrystone PRM Site		City/County: Pittsylv	ania County	Sampling Date: 2025-05-27						
Applicant/Owner: Transcontinental	Gas Pipe Line Compa			Sampling Point: DP 503						
Investigator(s): JDF, MCS Section, Township, Range: N/A										
Landform (hillside, terrace, etc.): Floodpl	ain Lo	ocal relief (concave, convex		Slope (%): 0						
Subregion (LRR or MLRA): P 136										
· · · · · · · · · · · · · · · · · · ·				Datum: WGS 84						
Soil Map Unit Name: 7A - Codorus loar	n, 0 to 2 percent slop	oes, occasionally floor	NWI classificati	ion: N/A						
Are climatic / hydrologic conditions on the site	e typical for this time of year	ar? Yes 🗸	No (If no, e	xplain in Remarks.)						
Are Vegetation, Soil, or Hydro	ologysignificantly di	sturbed? Are "Normal (Circumstances" present?	Yes _ V No						
Are Vegetation, Soil, or Hydro	ology naturally probl	lematic? (If needed, ex	xplain any answers in Rei	marks.)						
SUMMARY OF FINDINGS – Attach site map showing 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	No 🗸						
Wetland Hydrology Present?	Yes No V			- <u> </u>						
Remarks:										
None of the three wetland phydric soil) were satisfied a	•	-	gy, hydrophytic	vegetation, or						
HYDROLOGY										
Wetland Hydrology Indicators:			Secondary Indicators ((minimum of two required)						
Primary Indicators (minimum of one is requi	red; check all that apply)		Surface Soil Cracks (B6)							
Surface Water (A1)	True Aquatic Plants	(B14)	Sparsely Vegetate	_Sparsely Vegetated Concave Surface (B8)						
High Water Table (A2)	Hydrogen Sulfide Od		Drainage Patterns (B10)							
Saturation (A3) Oxidized Rhizospheres on Living Roots (C3) Moss Trim Lines (B16)										
Water Marks (B1)		ce of Reduced Iron (C4) Dry-Season Water Table (C2)								
Sediment Deposits (B2)		nt Iron Reduction in Tilled Soils (C6) Crayfish Burrows (C8)								
Drift Deposits (B3)	Thin Muck Surface (•	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 Positi	` '						
Inundation Visible on Aerial Imagery (B	()	Shallow Aquitard (D3)								
Water-Stained Leaves (B9)			Microtopographic Relief (D4) FAC-Neutral Test (D5)							
Aquatic Fauna (B13)			FAC-Neutral Test	(D5)						
Field Observations:	N V 5 ((())	,								
Surface Water Present? Yes	No Depth (inch									
	No ✓ Depth (inch No ✓ Depth (inch		Undralami Dragont?	Voc. No. V						
Saturation Present? Yes (includes capillary fringe)	No <u>✓</u> Depth (inch	les) welland	Hydrology Present?	Yes No						
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photo:	s previous inspections) if a								
	,	., p								
Remarks:										
No hydrology was observed	d at this data noi	int								
No flydfology was observed	at tills data poi									

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

EGETATION (Four Strata) – Use scier	Absolute	Dominant	Indicator	Sampling Point: DP 503		
<u>Free Stratum</u> (Plot size: 30 ft r	% Cover	Species?	Status	Dominance Test worksheet:		
				Number of Dominant Species That Are OBL, FACW, or FAC: (A)		
				That Are OBL, FACW, or FAC: (A)		
·				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		Total % Cover of: Multiply by:		
50% of total cover:	20%	of total cover:		OBL species $0 x 1 = 0$		
apling/Shrub Stratum (Plot size: 15 ft r)			FACW species 15 x 2 = 30		
				FAC species 15 $x 3 = 45$		
				FACU species 100 $x = 400$		
·						
·				Column Totals. (A)		
· .				Prevalence Index = B/A = 3.65		
				Hydrophytic Vegetation Indicators:		
				1 - Rapid Test for Hydrophytic Vegetation		
·				2 - Dominance Test is >50%		
				3 - Prevalence Index is ≤3.0 ¹		
	- <u></u>	Total Cover		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)		
Poa pratensis	50	✓	FACU	<u> </u>		
Trifolium repens	45		FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
•	15		FAC	·		
Ranunculus sardous				Definitions of Four Vegetation Strata:		
Vernonia noveboracensis	15		FACW	Tree – Woody plants, excluding vines, 3 in. (7.6 cm) of		
Solanum carolinense	5		FACU	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 m) tall.		
0.				Herb – All herbaceous (non-woody) plants, regardless		
1.				of size, and woody plants less than 3.28 ft tall.		
	130	Total Cover		Woody Vine – All woody vines greater than 3.28 ft in		
500/ affatal account OF			26.00	height.		
50% of total cover: 65.	20%	of total cover:	20.00	115.g.ta		
Voody Vine Stratum (Plot size: 30 ft r)						
		Total Cover		Hydrophytic		
		of total cover:		Vegetation Present? Yes No		
50% of total cover:						

No tree, sapling/shrub, or woody vine strata were observed at this data point.

SOIL Sampling Point: DP 503

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)											
Depth	Matrix			x Featur		. 2					
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Rem	arks	
0 - 3	10YR 4/3	100					Loam				
3 - 7	10Y 4/3	98	7.5YR 4/6	2	<u>C</u>	<u>M</u>	Clay Loam				
7 - 16	7.5YR 4/4	100					Clay Loam				
16 - 18	7.5YR 4/4	90	10YR 5/2	10	D	M	Clay Loam			_	
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Lining, M=Matrix.											
Hydric Soil I	ndicators:							Indicators f	or Problema	tic Hydric Soils ³ :	
Histosol (A1)		Polyvalue Below Surface (S8) (MLRA				147, 148) 2 cm Muck (A10) (MLRA 147)				
Histic Ep	pedon (A2)		Thin Dark S	urface (S	9) (MLR	A 147, 1	148)	Coast P	rairie Redox	(A16)	
Black His	tic (A3)		Loamy Mucl	ky Miner	al (F1) (N	ILRA 13	66)	(MLR	A 147, 148)		
Hydroger	Sulfide (A4)		Loamy Gley	ed Matri	x (F2)			Piedmo	nt Floodplain	Soils (F19)	
Stratified	Layers (A5)		Depleted Ma	atrix (F3)				(MLR	A 136, 147)		
2 cm Mud	k (A10) (LRR N)		Redox Dark	Surface	(F6)			Red Par	rent Material	(F21)	
Depleted	Below Dark Surface	e (A11)	Depleted Da	ırk Surfa	ce (F7)			(outsi	ide MLRA 12	7, 147, 148)	
	k Surface (A12)		Redox Depr	essions	(F8)				allow Dark S		
	osulfide (A18)		Iron-Manganese Masses (F12) (LRR N, Other (Explain in Remarks)								
	ucky Mineral (S1)		MLRA 13								
	eyed Matrix (S4)		Umbric Surf					31	£	tation and	
Sandy Re			Piedmont FI		-						
	Matrix (S6)		Red Parent Material (F21) (MLRA 127				7, 147, 148) wetland hydrology must be present, unless disturbed or problematic.				
Dark Sur							T	uniess	disturbed or p	robiematic.	
	ayer (if observed):										
Type: Depth (in	ches).						Hydric Soil	No 🗸			
Remarks:							1 Hydrid doi:	110001111	Yes		
Remarks.											



1. Looking at Data Point #318, which characterizes a PFO wetland in the northwestern portion of the survey area.



2. Looking at Data Point #319, which characterizes a PEM wetland in the northwestern portion of the survey area.



3. Looking at Data Point #320, which characterizes an upland area in the northwestern portion of the survey area.



4. Looking at Data Point #321, which characterizes a PEM wetland in the northwestern portion of the survey area.



5. Looking at Data Point #322, which characterizes an upland area in the northwestern portion of the survey area.



6. Looking at the fields and wooded areas that contain uplands, wetlands, and a pond in the northwestern portion of the survey area.



7. Looking at Data Point #323, which characterizes a PEM wetland in the northwestern portion of the survey area.



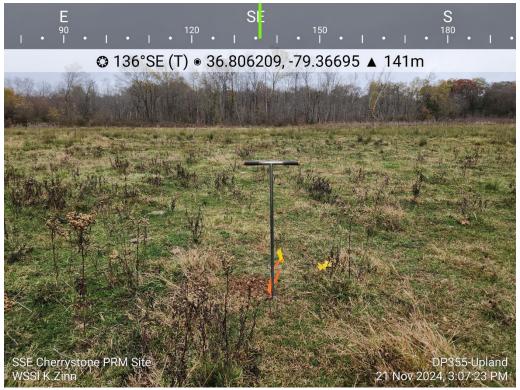
8. Looking at Data Point #324, which characterizes an upland area in the northwestern portion of the survey area.



9. Looking at Data Point #325, which characterizes an upland area in the eastern portion of the survey area.



10. Looking at Data Point #326, which characterizes a PEM wetland in the eastern portion of the survey area. This data point overlaps with the SSE project.



11. Looking at Data Point #355, which characterizes an upland area in the eastern portion of the survey area. This data point overlaps with the SSE project.



12. Looking at Data Point #356, which characterizes an upland area in the eastern portion of the survey area. This data point overlaps with the SSE project.



13. Looking at Data Point #357, which characterizes an upland area in the eastern portion of the survey area. This data point overlaps with the SSE project.

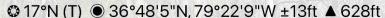


14. Looking at the PEM wetland associated with the Cherrystone PRM Site in the northern portion of the survey area.



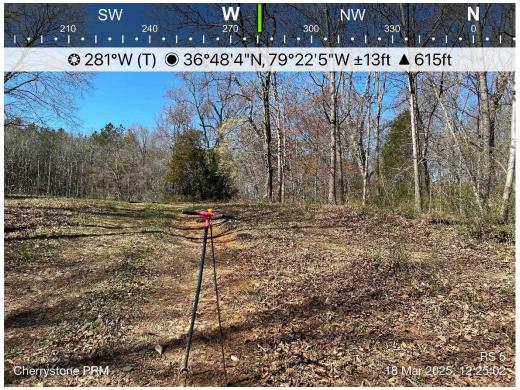
15. Looking at the POW located in the northwestern portion of the survey area.

NW 330 NE 60 90





16. Looking at Data Point #487, which characterizes an upland in the central portion of the survey



18. Looking at Data Point #485, which characterizes a PEM wetland adjacent to the central portion of the survey area. The soil and vegetation have been impacted by cattle.



19. Looking at Data Point #486, which characterizes an upland area in the central portion of the survey area.



20. Looking at Data Point #484, which characterizes a PFO wetland in the central portion of the survey area. The soil and vegetation have been impacted by cattle.



21. Looking upstream at Stream Reach L182-1, which characterizes the intermittent stream (R4) in the central portion of the survey area.



22. Looking downstream at Stream Reach L182-1, which characterizes the intermittent stream (R4) in the central portion of the survey area.



24. Looking at Batterman Road in the southern portion of the survey area.





26. Looking at Data Point #494, which characterizes the upland in the northwestern portion of the survey area.



27. Looking at Data Point #495, which characterizes the PFO located in the northwestern portion of the survey area.



28. Looking at Data Point #496, which characterizes the upland field in the eastern portion of the survey area.



29. Looking at Data Point #497, which characterizes the upland field in the northeastern corner of the survey area. This area was noted in DEQ's May 20, 2025, SSWD (No. 000385) Comment Letter and Additional Information Request as having a dark signature in the aerial photography. The dark signature on the aerial photography is the result of a shadow cast by the large cedar tree depicted on the right side of this photograph.



30. Looking at Data Point #498, which characterizes the upland field in the northeastern portion of the survey area. The standing water visible in this photo is the result of a rain event within 24 hours of the data point fieldwork.



31. Looking at Data Point #499, which characterizes the upland field in the eastern portion of the survey area.



32. Looking at Data Point #500, which characterizes the PEM wetland located in the eastern portion of the survey area.



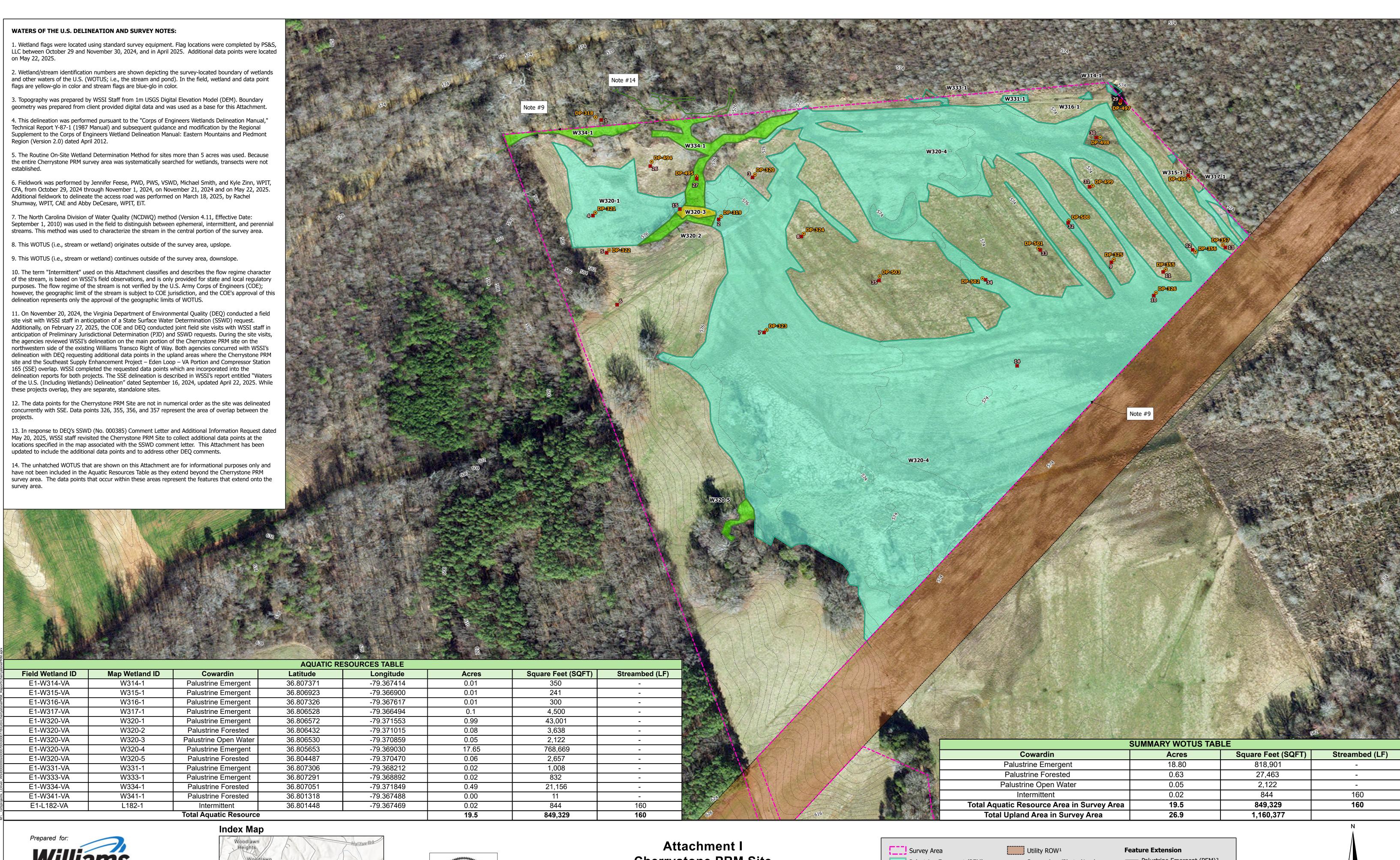
33. Looking at Data Point #501, which characterizes the upland field located in the northern portion of the survey area.



34. Looking at Data Point #502, which characterizes the PEM wetland located in the northern portion of the survey area.



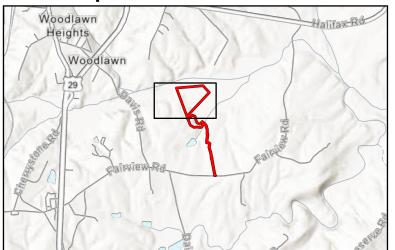
35. Looking at Data Point #503, which characterizes the upland field in the northern portion of the survey area.

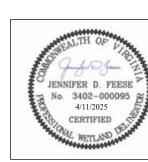




Prepared by:

Wetland Studies and Solutions, Inc. a **DAVEY** company

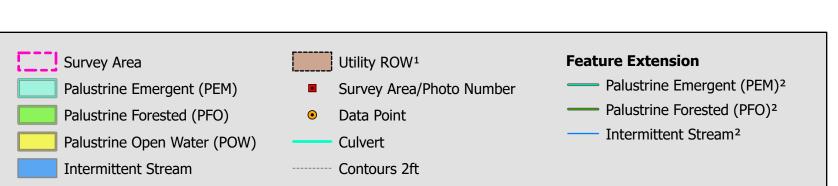




Cherrystone PRM Site Waters of the U.S. (Including Wetlands) Delineation Map

Project Location: Pittsylvania County, Virginia

April 2025 Updated June 2025



¹Utility ROW delineated for Southeast Supply Enhancement Project separately.

²Feature extension beyond survey area. Aerial Source: Virginia Base Mapping Program (VBMP) - Spring 2023

Horizontal Datum: NAD83 VA State Plane (2011) South US Survey Foot Vertical Datum: NAVD88



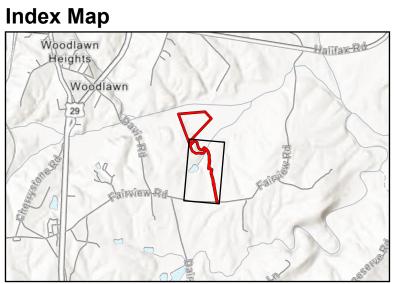
Sheet 1 of 2

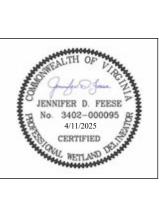
Scale is 1 inch = 100 feet when printed at 24x36





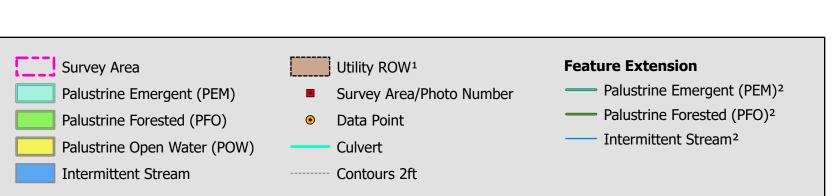
Prepared by: Wetland Studies and Solutions, Inc. a DAVEY company





Attachment I Cherrystone PRM Site Waters of the U.S. (Including Wetlands) Delineation Map Project Location: Pittsylvania County, Virginia

June 2025



¹Utility ROW delineated for Southeast Supply Enhancement Project separately.

²Feature extension beyond survey area.

Aerial Source: Virginia Base Mapping Program (VBMP) - Spring 2023

Horizontal Datum: NAD83 VA State Plane (2011) South US Survey Foot

Vertical Datum: NAVD88



Sheet 2 of 2

Scale is 1 inch = 100 feet when printed at 24x36