

Table 1.0: Summary of Wetland and Water Impacts for the Proposed Green Ridge Facility Joint Permit Application

Impact Plate	Stream Reach ID	Impact #	Impact Type	Impact Description	Lat./Long.	Cowardin Class	Stream Length (linear feet)	Stream Width (feet)	Waters Impact Area (square feet)	Waters Impact Area (acreage)	Depth beneath mean Ordinary High Water Mark (inches)	Approximate contributing drainage area (square miles)	DEQ Class of Resources	Approximate Volume of fill below mean Ordinary High Water Mark (cubic yards)	Dune/beach impact area (square feet)
1.1	1	1.1	P	F, EX, NT, PE, PR, NV	37.55855 / -78.12970	R3	915	5	4,575	0.11	12	0.18		169.44	
		1.2	P	F, EX, NT, PE, NV	37.55726 / -78.12694	R6	60	3	180	0.00	2			1.11	
		1.3	P	F, EX, NT, PE, IN, NV	37.55723 / -78.12732	R4	181	5	905	0.02	7			19.55	
		1.4	P	F, EX, NT, PE, PR, NV	37.55753 / -78.12807	R3	352	5	1,760	0.04	6			32.59	
		1.5	P	F, EX, NT, PE, NV	37.55738 / -78.12763	R6	66	3	198	0.00	6			3.67	
		1.6	P	F, EX, NT, PE, IN, NV	37.55716 / -78.12757	R4	68	5	340	0.01	6			6.30	
		1.7	P	F, EX, NT, PE, NV	37.55756 / -78.12861	R6	143	3	429	0.01	4			5.30	
		1.8	P	F, EX, NT, PE, NV	37.55713 / -78.12707	R6	59	3	177	0.00	4			2.19	
1.2	2	2.1	P	F, EX, NT, PE, PR, NV	37.56321 / -78.12915	R3	1,391	5	6,955	0.16	12	0.11		257.59	
		2.2	P	F, EX, NT, PE, IN, NV	37.56047 / -78.12744	R4	1066	5	5,330	0.12	6			98.70	
		2.3	P	F, EX, NT, PE, NV	37.55978 / -78.12573	R6	136	3	408	0.01	4			5.04	
		2.4	P	F, EX, NT, PE, IN, NV	37.56164 / -78.12748	R4	377	5	1,885	0.04	4			23.27	
		2.5	P	F, EX, NT, PE, NV	37.56317 / -78.12878	R6	142	3	426	0.01	3			3.94	
1.3	3	3.1	P	F, EX, NT, PE, PR, NV	37.56535 / -78.12959	R3	302	5	1,510	0.03	6	0.04		27.96	
		3.2	P	F, EX, NT, PE, IN, NV	37.56496 / -78.12874	R4	331	5	1,655	0.04	6			30.65	
		3.3	P	F, EX, NT, PE, NV	37.56440 / -78.12762	R6	475	3	1,425	0.03	4			17.59	
		3.4	P	F, EX, NT, PE, NV	37.56571 / -78.12923	R6	266	3	798	0.02	3			7.39	
		3.5	P	F, EX, NT, PE, IN, NV	37.56546 / -78.12861	R4	300	5	1,500	0.03	4			18.52	
		3.6	P	F, EX, NT, PE, NV	37.56568 / -78.12783	R6	184	3	552	0.01	2			3.41	
1.4	4	4.1	P	F, EX, NT, PE, PR, NV	37.56705 / -78.12971	R3	77	5	385	0.01	12	0.04		14.26	
		4.1 Sec	S	F, EX, NT, PE, PR, NV	37.56706 / -78.13017	R3	192	5	960	0.02	12			35.56	
		4.2	P	F, EX, NT, PE, IN, NV	37.56718 / -78.12869	R4	518	5	2,590	0.06	6			47.96	
		4.3	P	F, EX, NT, PE, NV	37.56714 / -78.12749	R6	186	3	558	0.02	3			5.17	
1.5	5	5.1	P	F, EX, NT, PE, IN, NV	37.56952 / -78.12893	R4	300	5	1,500	0.03	12	0.05		55.56	N/A
		5.1 Sec	S	F, EX, NT, PE, IN, NV	37.56989 / -78.12951	R4	134	5	670	0.02	12			24.81	
		5.2	P	F, EX, NT, PE, IN, NV	37.56913 / -78.12844	R4	131	5	655	0.02	6			12.13	
		5.3	P	F, EX, NT, PE, PR, NV	37.56874 / -78.12831	R6	155	3	465	0.01	4			5.74	
		5.4	P	F, EX, NT, PE, IN, NV	37.56919 / -78.12823	R4	179	5	895	0.02	4			11.05	
		5.5	P	F, EX, NT, PE, NV	37.56881 / -78.12775	R6	206	3	618	0.01	3			5.72	
1.6	6	6.1	P	F, EX, NT, PE, IN, NV	37.57034 / -78.12663	R4	326	5	1,630	0.04	6	0.02	30.19		
1.7	7	7.1	P	F, EX, NT, PE, IN, NV	37.56866 / -78.12401	R4	363	5	1,815	0.04	6	0.02		33.61	
		7.1 Sec	S	F, EX, NT, PE, IN, NV	37.56907 / -78.12357	R4	83	5	415	0.01	6			7.69	
1.8	8	8.1	P	F, EX, NT, PE, NV	37.56639 / -78.12416	R6	132	3	396	0.01	4	0.02		4.89	
1.9	9	9.1	P	F, EX, NT, PE, PR, NV	37.56334 / -78.12390	R3	263	5	1,315	0.03	9	0.04		36.53	
		9.1 Sec	S	F, EX, NT, PE, PR, NV	37.56354 / -78.12343	R3	59	5	295	0.01	9			8.19	
		9.2	P	F, EX, NT, PE, IN, NV	37.56301 / -78.12431	R4	106	5	530	0.01	6			9.81	
		9.3	P	F, EX, NT, PE, NV	37.56307 / -78.12445	R6	128	3	384	0.01	1			1.19	
1.10		RR.1	P	F, EX, NT, PE, IN, NV	37.55560 / -78.13362	R4	123	5	615	0.01	6	0.04		11.39	
		RR.2	P	F, EX, NT, PE, PR, NV	37.55986 / -78.13136	R3	166	5	830	0.02	12	0.05		30.74	
1.11		EW.1	P	F, EX, NT, PE, PR, NV	37.54575 / -78.11206	R3	124	5	620	0.01	12	0.44		22.96	
		EW.2	P	F, EX, NT, PE, PR, NV	37.54917 / -78.11155	R3	195	5	975	0.02	12	0.88		36.11	
		EW.3	P	F, EX, NT, PE, PR, NV	37.55466 / -78.11063	R3	77	5	385	0.01	12	1.96		14.26	
		EW.4	P	F, EX, NT, PE, PR, NV	37.55480 / -78.11062	R3	80	5	400	0.01	12			14.81	
		EW.5	P	F, EX, NT, PE, IN, NV	37.55851 / -78.11502	R4	239	5	1,195	0.03	6	0.03		22.13	
1.12		EW.6	P	F, EX, NT, PE, NV	37.57006 / -78.11264	R6	132	3	396	0.01	4	0.002		4.89	
1.13		RR.3	P	F, EX, NT, PE, IN, NV	37.55523 / -78.12147	R4	149	5	745	0.02	6	0.04		13.80	
		RR.4	P	F, EX, NT, PE, MC	37.55523 / -78.12147	PFO	N/A	N/A	1,013	0.02	N/A	< 0.04		N/A	
Total:							11,637	-	54,258	1.25	-	N/A	-	1,250.19	-

Table 1.1: Primary v. Secondary Impacts				
Impact Type	Impact Area (Acres)	Percentage of Total Impact Area	Number of Impacts	Percentage of Total Number of Impacts
Primary	1.20	96%	43	91%
Secondary	0.05	4%	4	9%
Total Impacts	1.25	100%	47	100%

Table 1.2: Composition of Impact Causes				
Impact Cause	Impact Area (Acres)	Percentage of Total Impact Area	Number of Impacts	Percentage of Total Number of Impacts
Landfill Impacts	1.09	87%	37	79%
Roadway Realignment	0.07	6%	4	9%
Entryway Construction	0.08	7%	5	11%
Borrow Road	0.01	1%	1	2%
Total Impacts	1.25	100%	47	100%

Table 1.3: Summary of Impacts by Cowardin Classification			
Cowardin Type	Linear Feet of Stream	Square feet	Acres
Primary			
Riverine - Perennial (R3)	3,942	19,710	0.45
Riverine - Intermittent (R4)	4,757	23,785	0.55
Riverine - Ephemeral (R6)	2,470	7,410	0.18
Wetland (PFO)	N/A	1,013	0.02
Total - Riverine	11,169	50,905	1.18
Total - Wetland	N/A	1,013	0.02
Secondary			
Riverine - Perennial (R3)	251	1,255	0.03
Riverine - Intermittent (R4)	217	1,085	0.02
Total	468	2,340	0.05

Table 1.4: Summary of Wetland and Water Impacts for the Proposed Green Ridge Facility

Impact Plate	Stream Reach ID	Impact #	Cowardin Class	Stream Length (linear feet)	Stream Width (feet)	Waters Impact Area (square feet)	Waters Impact Area (acreage)	
1.1	1	1.1	R3	915	5	4,575	0.11	
		1.2	R6	60	3	180	0.00	
		1.3	R4	181	5	905	0.02	
		1.4	R3	352	5	1,760	0.04	
		1.5	R6	66	3	198	0.00	
		1.6	R4	68	5	340	0.01	
		1.7	R6	143	3	429	0.01	
		1.8	R6	59	3	177	0.00	
1.2	2	2.1	R3	1,391	5	6,955	0.16	
		2.2	R4	1,066	5	5,330	0.12	
		2.3	R6	136	3	408	0.01	
		2.4	R4	377	5	1,885	0.04	
		2.5	R6	142	3	426	0.01	
1.3	3	3.1	R3	302	5	1,510	0.03	
		3.2	R4	331	5	1,655	0.04	
		3.3	R6	475	3	1,425	0.03	
		3.4	R6	266	3	798	0.02	
		3.5	R4	300	5	1,500	0.03	
		3.6	R6	184	3	552	0.01	
1.4	4	4.1	R3	77	5	385	0.01	
		4.1 Sec	R3	192	5	960	0.02	
		4.2	R4	518	5	2,590	0.06	
		4.3	R6	186	3	558	0.02	
1.5	5	5.1	R4	300	5	1,500	0.03	
		5.1 Sec	R4	134	5	670	0.02	
		5.2	R4	131	5	655	0.02	
		5.3	R6	155	3	465	0.01	
		5.4	R4	179	5	895	0.02	
		5.5	R6	206	3	618	0.01	
1.6	6	6.1	R4	326	5	1,630	0.04	
1.7	7	7.1	R4	363	5	1,815	0.04	
		7.1 Sec	R4	83	5	415	0.01	
1.8	8	8.1	R6	132	3	396	0.01	
1.9	9	9.1	R3	263	5	1,315	0.03	
		9.1 Sec	R3	59	5	295	0.01	
		9.2	R4	106	5	530	0.01	
		9.3	R6	128	3	384	0.01	
1.10		RR.1	R4	123	5	615	0.01	
		RR.2	R3	166	5	830	0.02	
1.11		EW.1	R3	124	5	620	0.01	
		EW.2	R3	195	5	975	0.02	
		EW.3	R3	77	5	385	0.01	
		EW.4	R3	80	5	400	0.01	
		EW.5	R4	239	5	1,195	0.03	
1.12		EW.6	R6	132	3	396	0.01	
1.13		RR.3	R4	149	5	745	0.02	
		RR.4	PFO	N/A	N/A	1,013	0.02	
Total:				11,637	N/A	54,258	1.25	
Streams				11,637	N/A	53,245	1.23	
Wetlands				N/A	N/A	1,013	0.02	