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NUMBER THREE WIND ENERGY PROJECT

WETLAND DELINEATION REPORT

AUGUST 2017



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EXECUTIVE SUMMARY

On behalf of Number Three Wind, LLC (“NTW”), Fisher Associates’ Environmental Scientists conducted a field delineation between September 26 and November 18, 2016 as well as April 18 and August 10, 2017 to identify jurisdictional Waters of the U.S. (WUS) including wetlands and streams within the Project Study Limits defined to support of the Number Three Wind Energy Project (“Project”). The Project Study Limits consist of a 1,400 acre area, which encompasses potential construction and limits of disturbance required for the Project. The Project Study Limits are depicted on the attached wetland delineation mapping (Figures 1 and 2).

The Project Study Limits are located within an area approximately 18,450 acres in Lewis County and consist of proposed turbine locations and associated infrastructure including access roads, electrical collection lines, an electrical transmission line which connects the project substation to the interconnection switchyard, construction staging areas, and operations and maintenance support areas. The areas within the Project Study Limits consist of a mix of active agriculture lands and mixed deciduous forest within a rural setting. The entire Project is located within the Black River Watershed (HUC 04150101). The Project is drained by Stony Creek, Hufcut Creek, Negro Creek, the North Branch of Mill Creek, and their unnamed tributaries flowing east to the Black River; as well as unnamed tributaries that flow west to Deer River.

The Project Study Limits were delineated based upon the methodology outlined in the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), and the 1995 New York State Freshwater Wetlands Delineation Manual. Using these methodologies, preliminary delineation mapping was produced and is included along with the attached investigation description and discussion.

During the delineation, approximately 53.01 acres of combined wetlands including 31.21 acres of palustrine emergent (PEM), 8.13 acres of palustrine scrub-shrub (PSS), and 13.66 acres of palustrine forested (PFO) wetlands were identified within the Project Study Limits. Of these wetlands 1.89 acres were identified to be isolated wetland systems due to their lack of hydrologic connection to a supporting jurisdictional aquatic feature including PEM (1.61 acres), PSS (0.02 acres) and PFO (0.26 acres) wetlands. In addition, 12,566 linear feet of stream channels and 9,819 linear feet of jurisdictional ditches were identified.

Based on conditions observed, the USACE will likely invoke jurisdiction over non-isolated wetlands, identified stream reaches, and jurisdictional ditches due to their apparent hydrological connection to other waters. The USACE is not anticipated to invoke jurisdiction over the isolated wetland systems that were identified due to their lack of hydrologic connection to a supporting jurisdictional aquatic feature.

The New York State Department of Environmental Conservation (NYSDEC) is anticipated to invoke jurisdiction over five (5) of the delineated wetlands and their associated 100-foot upland adjacent areas under Article 24 of the Environmental Conservation Law (ECL) due to their apparent association and connectivity with NYSDEC Wetlands WL-1 (Wetland 410), NE-9 (Wetland 205), L-1 (Wetlands 041 and 429), and NE-8 (Wetland 620). It is not anticipated that the NYSDEC will invoke jurisdiction over the additional wetland systems identified as they are not within close proximity (i.e., less than 50 meters) of NYSDEC wetlands and their regulated 100-foot adjacent areas. Of the 50 total stream reaches delineated within the Project Study Limits, NYSDEC will also likely invoke jurisdiction over eight (8) streams under Article 15 of the ECL.

Two (2) streams, Streams 401 and 402, are anticipated to be NYSDEC jurisdictional as they are Class C(T) streams, indicating that they may support a trout population. In addition six (6) streams (Streams 600, 601, 602, 603, 604, and 612) are associated with Class A streams and are anticipated to be NYSDEC jurisdictional since they are designated as drinking water sources. NYSDEC is not anticipated to invoke jurisdiction over the remaining 42 delineated stream reaches under Article 15 of the ECL, as they are associated with Class C streams.

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PROJECT INFORMATION SHEET

General

Project Name: Number Three Wind Energy Project
State: New York
County: Lewis County
Town: Towns of Harrisburg and Lowville

Latitude: 43.833084 North
Longitude: -75.577811 West

Project Study Area Size: 1,400 acres

HUC Code: 04150101 (Black River Watershed)

Waterbodies (TNW): Hufcut Creek, Stony Creek, Negro Creek, the North Branch of Mill Creek, unnamed contributing tributaries, and palustrine emergent, scrub-shrub, and forested wetlands

Corresponding Information

USGS Quad Map: New Boston, West Lowville, and Lowville, New York

USDA Soils Map: Lewis County

Owner/Applicant

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1.0 INTRODUCTION

On behalf of Number Three Wind, LLC (“NTW”), Fisher Associates’ Environmental Scientists conducted a field delineation between September 26 and November 18, 2016 as well as April 18 and August 10, 2017 to identify jurisdictional Waters of the U.S. (WUS) including wetlands and streams within the Project Study Limits defined to support of the Number Three Wind Energy Project (“Project”). The Project Study Limits consist of a 1,400 acre area, which encompasses potential construction and limits of disturbance required for the Project. The Project Study Limits are depicted on the attached wetland delineation mapping (Figures 1 and 2).

2.0 SITE INFORMATION

2.1 Site Location

The Project Study Limits are located within an area approximately 18,450 acres in the Towns of Harrisburg and Lowville, within Lewis County, New York. The entire Project is located within the Black River Watershed (HUC 04150101). The Project is drained by Stony Creek, Negro Creek, the North Branch of Mill Creek, and their unnamed tributaries flowing east to Black River, as well as unnamed tributaries flowing west to Deer River. The Project is located in the Eastern Lake Section of the Central Lowland Physiographic Province, Mohawk Section of the Appalachian Plateau Physiographic Province and the Tug Hill Plateau Section of the Adirondack Mountains Physiographic Province.

2.2 Site Description

The Project Study Limits consist of proposed turbine locations and associated infrastructure including access roads, electrical collection lines, an electrical transmission line which connects the project substation to the interconnection switchyard, construction staging areas, and operations and maintenance support areas. The areas within the Project Study Limits consist of a mix of active agriculture lands and mixed deciduous forest within a rural setting (see [Figure 1: Project Vicinity and Index Map](#) and [Figure 2: Wetland Delineation Map](#), Sheets A1 through F31).

3.0 METHODS OF DELINEATION

3.1 Preliminary Offsite Investigation/Data Review

A review of publicly available resources was performed prior to the onsite field investigation in order to determine if there is the potential for jurisdictional areas, and if present, the extent of these areas located within the Project Study Limits. These mapping resources are represented on [Figure 2: Wetland Delineation Map](#), Sheets A1 through F31, and generally include but are not limited to:

- New York State Freshwater Wetlands Mapping (NYSFW);
- New York State Protection of Waters Regulatory Program Streams Mapping (NYSS);
- U.S. Fish & Wildlife Service National Wetlands Inventory (NWI) Database;

- U.S. Department of Agriculture Natural Resource Conservation Service (NRCS) Soils Database; and
- United States Geographical Survey (USGS) Mapping.

3.2 Field Investigation

Wetland boundaries were field delineated according to the routine onsite methodology described in the 1987 U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual, the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), and the 1995 New York State Freshwater Wetlands Delineation Manual.

Wetlands were identified based on the presence of hydric soils; a vegetative community dominated by hydrophytes; and inundated or saturated conditions; and/or indicators of hydrologic patterns. A project-specific identification number was given to each delineated wetland. Wetland delineation data relative to vegetation, hydrology, soils and general observations was documented on routine wetland data forms consistent with the guidance of the 2012 Regional Supplement.

Wetland field data points were established within close proximity to the flagged wetland boundary in order to document upland and wetland conditions existing along the wetland boundary. Photographs were taken of the field data stations to document conditions along the delineation boundary. The aquatic resource boundaries were flagged in the field and the flagged locations were surveyed to further clarify their locations.

Stream channels, tributaries, and linear conveyance features were identified based on the recognition of field indicators of bed, banks, and an ordinary high water mark coupled with an evaluation of downstream flow. Fisher Associates' environmental scientists delineated and flagged the wetland, stream, and ditch boundaries with consecutively numbered delineation flagging. Wetland Delineation Maps depicting the location of the delineated wetlands and any additional jurisdictional features, including streams and ditches, identified within the Project Study Limits are provided as an attachment (see Figures 1 and 2). Supporting wetland determination data forms are provided in [Appendix A: Wetland Determination Data Forms](#). Supporting stream and ditch data forms are provided in [Appendix B: Stream Data Forms](#) and [Appendix C: Ditch Data Forms](#), respectively. Corresponding photographs are provided in [Appendix D: Representative Site Photographs](#).

4.0 DELINEATION FINDINGS

4.1 Preliminary Offsite Investigation/Data Review Findings

4.1.1 NYS Freshwater Wetland Mapping

The NYSFW maps were developed by the New York State Department of Environmental Conservation (NYSDEC) pursuant to Article 24 of the Environmental Conservation Law (ECL). These maps depict the approximate boundaries of freshwater wetlands regulated by the NYSDEC. In most instances, the State-mapped boundaries are based on aerial photographs and soil survey interpretation and, therefore, require site-specific field verification. Freshwater wetland mapping information identified for the Project Study Limits was obtained from online Geographic Information System (GIS) mapping resources made available by the NYSDEC (NYSDEC 2016).

Based on reviewed mapping information, NYSDEC Wetland WL-1 (Class II), Wetland WL-3 (Class III), Wetland L-1 (Class II), Wetland NE-8 (Class III), and Wetland NE-9 (Class III) are mapped within the vicinity of the Project Study Limits.

4.1.2 NYS Streams Mapping

The NYSS maps were developed by the NYSDEC pursuant to Article 15 of the ECL. These maps depict the approximate locations of streams mapped by NYSDEC and identify their respective state water quality classification and standard designations based on existing or expected best usage of each water segment. In most instances, the mapped stream locations are based on aerial photographs and topographic map interpretation and, therefore, require site-specific field verification. Stream mapping information identified for the Project Study Limits was obtained from online GIS mapping resources made available by the NYSDEC (NYSDEC 2016). Based on reviewed mapping information, NYSDEC mapped streams are present within the Project Study Limits. There are twenty-two (22) occurrences of NYSDEC mapped streams. Of those mapped streams, two (2) are C(T) streams, indicating that they may support a trout population, and two (2) are Class A streams, indicating that they are designated as drinking water sources. The remaining twenty (20) NYSDEC mapped streams are identified as Class C streams.

4.1.3 National Wetlands Inventory Mapping

NWI mapping information for the Project Study Limits was obtained from online GIS mapping resources made available by the USFWS (USFWS 2016). A review of this information was completed which indicated that approximately sixty-five (65) mapped NWI wetlands are mapped within the Project Study Limits, including Cowardin Classifications of:

- PEM1E (palustrine emergent persistent seasonally flooded/saturated);
- PFO1E (palustrine forested broad-leaved deciduous seasonally flooded/saturated);
- PFO1B (palustrine forested broad-leaved deciduous saturated);
- PSS1E (palustrine scrub-shrub broad-leaved deciduous seasonally flooded/saturated);
- PUBHh (palustrine unconsolidated bottom permanently flooded farmed); and
- R5UBH (riverine unknown perennial unconsolidated bottom permanently flooded)

However, it is understood that NWI mapping is provided as a reference and is not necessarily indicative of the presence or absence of wetlands in an area.

4.1.4 Soils Mapping

Soil types identified for the Project Study Limits were obtained from online GIS mapping resources made available by the NRCS (USDA-NRCS 2016). A review of this information was completed to evaluate the soil types within the Project Study Limits to determine the possible presence of hydric soils.

The mapped soils at each wetland location, including instances where there may be more than one soil component identified at a given wetland location, are described in [Table 1: Wetland Delineation Summary](#). Areas of predominantly hydric soils were identified within the Project Study Limits. The mapped soils present within the Project Study Limits are depicted on [Figure 2: Wetland Delineation Map](#), Sheets A1 through F31.

4.2 Onsite Determination/Findings

4.2.1 Wetland Area Summary

53.01 acres of combined palustrine emergent (PEM) (31.21 acres), palustrine scrub-shrub (PSS) (8.13 acres), and palustrine forested (PFO) (13.66 acres) wetlands were identified within the Project Study Limits. Of these wetlands, 1.89 acres of wetlands were identified to be isolated wetland systems due to their lack of hydrologic connection to a supporting jurisdictional aquatic feature including PEM (1.61 acres), PSS (0.02 acres), and PFO (0.26 acres) wetlands. It is important to note that Wetland 1000 was desktop delineated by utilizing available aerial imagery of the area and verifying from the road right-of-way due to not having land access to the property. A summary of the wetlands identified within the Project Study Limits is provided in [Table 1: Wetland Delineation Summary](#). The location and size of wetlands delineated onsite are shown on [Figure 2: Wetland Delineation Map](#), Sheets A1 through F31.

Five (5) of the 133 wetlands delineated have an apparent association with NYSDEC Wetlands. Specifically, delineated Wetland 410 (PFO) overlaps NYSDEC mapped Wetland WL-1. Delineated Wetland 205 (PEM) extends south beyond the Project Study Limits and is anticipated to be connected to NYSDEC mapped Wetland NE-9. PEM/PSS/PFO delineated Wetland complex 620 continues beyond the Project Study Limits to the south and is anticipated to be connected to NYSDEC mapped Wetland NE-8. Additionally, delineated Wetlands 041 and 429 continue beyond the Project Study Limits to the northeast and are within close proximity to NYSDEC mapped Wetland L-1. Based on the findings of the field delineation, these wetlands and their 100-foot adjacent areas are understood to be NYSDEC jurisdictional aquatic resources under Article 24 of the ECL.

4.2.1.1 Wetland Vegetation

The criterion for wetland vegetation is a dominance of hydrophytic species. A species is considered hydrophytic per USACE (1987 and 2012) if it is classified either as obligate (OBL), facultative wet (FACW), or facultative (FAC) in *The National Wetland Plant List: 2016 Update of Wetland Ratings* (Lichvar, et.al, 2016). A dominance of hydrophytes requires that more than 50% of the vegetative species in an area are classified as hydrophytic.

Generally, the delineated wetlands consisted of PEM wetlands within active agriculture fields which are either cultivated or pastured by livestock. Dominant species within the PEM systems included soft rush (*Juncus effusus*), reed canary grass (*Phalaris arundinacea*), New England American aster (*Symphotrichum novae-angliae*) and yellow-green sedge (*Carex flava*). Dominant shrub and tree species found within the PSS and PFO systems include red osier dogwood (*Cornus alba*), European buckthorn (*Rhamnus cathartica*), large gray willow (*Salix cinerea*) American elm (*Ulmus americana*), green ash (*Fraxinus pennsylvanica*) and red maple (*Acer rubrum*). The wetland determination data forms which provide expanded detail of the wetlands identified within the Project Study Limits can be found in [Appendix A: Wetland Determination Data Forms](#). Wetland vegetation community types observed at each wetland are summarized in [Table 1: Wetland Delineation Summary](#).

4.2.1.2 Wetland Hydrology

The Project Study Limits were examined for field indicators of wetland hydrology. According to USACE (1987 and 2012), wetland hydrology consists of permanent or periodic inundation, or soil saturation to the surface during the growing season. If these indicators were present within the sample plots, the hydrology criterion was met.

Generally, wetlands identified within the Project Study Limits receive hydrologic input from precipitation and retained surface water perched upon poorly drained soils containing fine-grained sediments and shallow restrictive layers or shallow bedrock. Common hydrologic indicators observed within delineated wetlands were oxidized rhizospheres, water-stained leaves, geomorphic position, and drainage patterns. Hydrologic indicators observed at each delineated wetland were recorded on the wetland determination data forms presented in [Appendix A: Wetland Determination Data Forms](#). [Table 1: Wetland Delineation Summary](#) provides the location (latitude/longitude) and total wetland area delineated within the Project Study Limits.

During early and mid-2016 many areas of New York State experienced below average precipitation. [Appendix E: Climate Information](#) provides a climatological report and average precipitation criteria for nearby Fort Drum, New York. The report indicates that between January 1, 2016 and September 26, 2016 the area received only 24.09 inches of precipitation which represents 79% of the average to date amount of 30.40 inches expected during a normal year. Additionally, the National Oceanic and Atmospheric Administration (NOAA) recognizes that portions of Lewis County where the Project Study Limits reside were “abnormally dry”. According to the Palmer index, Lewis County (Northern Plateau climate district) was identified to have a persisting D1-Moderate Drought Condition the week immediately preceding the initiation of the 2016 wetland field delineation efforts.

Precipitation levels within Lewis County for the spring and summer of 2017 were slightly above average for the region. According to recorded information gathered for nearby Fort Drum, New York the amount of rainfall received between April 1 and August 10, 2017 was 19.83 inches averaging 0.15 inches per day. The historic average indicates that the combined average precipitation for April through August is 17.06 inches. According to NOAA, portions of the Project Study Area were “much above average” and “moderately moist” to “very moist” for this time period. Climatological reports for April through August 2017 are provided in [Appendix E: Climate Information](#).

4.2.1.3 Wetland Soils

The onsite delineation confirmed the presence of hydric soils depicted on the NRCS soils mapping. Soil physical characteristics were evaluated during the field delineations by excavating to a depth appropriate to evaluate potential hydric soil indicators below ground surface. Soil color was evaluated using *Munsell Soil Color Charts* (Munsell 2000). Soils that exhibited hydric soil indicators, such as low chroma colors and/or evidence of reducing conditions met the hydric soil criterion per USACE (1987 and 2012).

Wetland soils observed during the excavations within the Project Study Limits generally consisted of silt loam or clay loam texture mineral soils exhibiting a dark brown (2.5Y 3/1) matrix with orange brown (7.5YR 4/6) redox concentrations; or a depleted matrix (7.5YR 6/1) with yellowish brown (10YR 5/8) redox concentrations. Soil samples within wetland areas possessed Redox Dark Surface (F6) and/or Depleted Matrix (F3) hydric soil indicator conditions within their profiles.

Characteristics observed at each data point are summarized in the wetland determination data forms included in Appendix A: Wetland Determination Data Forms.

4.2.2 Streams Summary

Fifty (50) combined perennial (24), intermittent (17), and ephemeral (9) stream channel reaches were delineated within the Project Study Limits totaling 12,566 linear feet. Two (2) streams, Streams 401 and 402, are identified by NYSS Mapping as Class C(T) streams, indicating that they may support a trout population. In addition, six (6) delineated streams, Streams 600, 601, 602, 603, 604 and 612, are classified as Class A streams, which indicates they are designated drinking water sources. The remaining forty (42) delineated stream reaches are recognized as NYSDEC Class C streams. It is important to note that Stream 1000 was desktop delineated by utilizing available aerial imagery of the area and verifying from the road right-of-way due to not having land access to the property. Observed stream characteristics are summarized in the stream data forms included in Appendix B: Stream Delineation Summary. A summary of the streams identified within the Project Study Limits is provided in Table 2: Stream Delineation Summary. The locations of streams delineated onsite are shown on Figure 2: Wetland Delineation Map, Sheets A1 through F31.

4.2.3 Ditches Summary

Jurisdictional ditches delineated within the Project Study Limits included twenty-six (26) ditch reaches totaling 9,819 linear feet. Classification as a jurisdictional ditch herein is based on the presence of a defined bed and bank, an ordinary high water mark, a direct or indirect connection to a traditional navigable water (TNW), and at least one of the following supplementing attributes:

- Ditches that have relatively permanent flowing or standing water;
- Natural streams that have been altered (e.g. channelized, straightened, or relocated);
- Ditches that have been excavated in jurisdictional waters of the US (WOTUS);
- Ditches that connect two or more jurisdictional WOTUS; and
- Ditches that drain natural water bodies (including wetlands) into the tributary system of a TNW.

Observed ditch characteristics are summarized in the ditch data forms included in Appendix C: Ditch Data Forms. A summary of the jurisdictional ditches identified within the Project Study Limits is provided in Table 3: Jurisdictional Ditch Delineation Summary. The locations of jurisdictional ditches delineated onsite are shown on Figure 2: Wetland Delineation Map, Sheets A1 through F31.

4.2.4 Upland Area Summary

During the field investigation of the Project Study Limits, significant areas of upland or non-jurisdictional areas were identified. The majority of the identified upland areas are characterized by mixed deciduous forest and active agriculture lands, including row crops, forage hay production, and active pasture. Upland soils were typically silt loam texture with a consistent light brown 2.5Y 4/4 matrix throughout the soil profile to twenty inches below ground surface. Typically, no indicators of wetland hydrology were observed within the upland areas. The location and size of upland areas in addition to the mapped soils present at these locations are depicted on Figure 2: Wetland Delineation Map, Sheets A1 through F31.

5.0 SUMMARY AND CONCLUSIONS

Fisher Associates conducted a wetland delineation associated with the Project between September 26 and November 18, 2016 as well as April 18 and August 10, 2017. 53.01 acres of combined PEM, PSS and PFO wetlands were identified within the Project Study Limits. In addition, 12,566 linear feet of combined perennial, intermittent, and ephemeral stream channel reaches and 9,819 linear feet of jurisdictional ditches were identified.

Based on conditions observed, the USACE will likely invoke jurisdiction over non-isolated wetlands, identified stream reaches, and jurisdictional ditches due to their apparent hydrological connection to other waters. The USACE is not anticipated to invoke jurisdiction over the isolated wetland systems that were identified due to their lack of hydrologic connection to a supporting jurisdictional aquatic feature.

The New York State Department of Environmental Conservation (NYSDEC) is anticipated to invoke jurisdiction over five (5) of the delineated wetlands and their 100-foot adjacent areas under Article 24 of the ECL due to their apparent association and connectivity with NYSDEC Wetlands WL-1 (Wetland 410), NE-9 (Wetland 205), L-1 (Wetlands 041 and 429), and NE-8 (Wetland 620). It is not anticipated that the NYSDEC will invoke jurisdiction over the additional wetland systems identified as they are not within close proximity (i.e., less than 50 meters) of NYSDEC wetlands and their regulated 100-foot adjacent areas. Of the 50 total stream reaches delineated within the Project Study Limits, NYSDEC will also likely invoke jurisdiction over eight (8) stream reaches under Article 15 of the ECL. Two (2) streams, Streams 401 and 402, are anticipated to be NYSDEC jurisdictional as they are Class C(T) streams, indicating that they may support a trout population. In addition six (6) streams (Streams 600, 601, 602, 603, 604, and 612) area associated with Class A streams and are anticipated to be NYSDEC jurisdictional since they are designated as drinking water sources. NYSDEC is not anticipated to invoke jurisdiction over the remaining 42 delineated stream reaches under Article 15 of the ECL, as they are associated with Class C streams.

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**Table 1
Wetland Delineation Summary**

Wetland ID	Map Sheet #	Associated Data Point #	Associated Photo Log #	Cowardin Classification	Connectivity Classification*	Coordinates		Wetland Area within Study Limits		Soils	
						Latitude	Longitude	Square Feet	Acres	Soil Symbol	Hydric Component Percentage
001	B5	DP-004 & DP-005	4 & 5	PFO	Not Isolated	43.818801	-75.526357	169	0.004	AfB	0
								920	0.021	JaA	15
002	B5	DP-006 & DP-007	6 & 7	PEM	Not Isolated	43.820891	-75.526940	19,458	0.447	AfB	0
003	B6 & B11	DP-008 & DP-009	8 & 9	PEM	Not Isolated	43.821689	-75.531371	71	0.002	AfB	0
								5,688	0.131	KbA	10
								1,036	0.024	NcB	0
004	B11	DP-010 & DP-011	10 & 11	PFO	Not Isolated	43.823302	-75.534270	1,765	0.041	LcA	90
005	B7 & B11 & B12	DP-012	12	PEM	Not Isolated	43.822560	-75.535136	597	0.014	AfB	0
								2,593	0.060	KbA	10
								6,284	0.144	NcB	0
006	B13	DP-013 & DP-014	13 & 14	PEM	Isolated	43.825691	-75.541638	870	0.020	AfB	0
								694	0.016	NcB	0
007	B13	DP-013 & DP-014	13 & 14	PEM	Isolated	43.825390	-75.541593	454	0.010	AfB	0
								41	0.001	NcB	0
008	B13	DP-013 & DP-014	13 & 14	PEM	Isolated	43.825414	-75.541370	1,964	0.045	AfB	0
009	C20	DP-020 & DP-021	16 & 17	PEM	Not Isolated	43.807863	-75.568591	5,028	0.115	MgC	0
010	C21	DP-024 & DP-025	18 & 19	PEM	Not Isolated	43.809530	-75.564339	2,714	0.062	MgC	0
011	E14	DP-027 & DP-028	20 & 21	PEM	Not Isolated	43.844875	-75.617207	6,056	0.139	PhB	0
								25,419	0.584	TbB	10
012	E14	DP-028 & DP-029	21 & 22	PEM	Not Isolated	43.845805	-75.619748	2,996	0.069	TbB	10
013	E18	DP-030 & DP-033	23 & 30	PEM	Not Isolated	43.845984	-75.620296	146	0.003	TbC	5
014	E18	DP-033 & DP-034	30 & 34	PEM	Not Isolated	43.846221	-75.621078	79	0.002	IaA	90
								314	0.007	TbC	5
015	C18	DP-036 & DP-037	35 & 36	PSS	Not Isolated	43.811635	-75.578571	5,433	0.125	FaA	95
								8,537	0.196	PhB	0
016	F23	DP-038 & DP-039	37 & 38	PEM	Not Isolated	43.843444	-75.643222	4,700	0.108	CaC	0
017	F22	DP-040 & DP-041	39 & 40	PEM	Isolated	43.844072	-75.645540	2,476	0.057	MeA	90
				PFO				3,255	0.075		
018	F22	DP-042 & DP-043	41 & 42	PFO	Not Isolated	43.846180	-75.647533	2,113	0.048	MeA	90
019	F21 & F22	DP-044 & DP-045	43 & 44	PEM	Not Isolated	43.846005	-75.649540	3,356	0.077	AcA	95
020	F18	DP-047 & DP-048	48 & 49	PEM	Not Isolated	43.864017	-75.680367	10,699	0.246	SkA	95
				PSS				4,733	0.109		
021	F13 & F15	DP-049 & DP-050 & DP-051	50 & 51 & 52	PEM	Not Isolated	43.855696	-75.666195	24,221	0.556	CaB	10
				PSS				22,540	0.517	MeA	90
								6,544	0.150	CaB	10
								17,839	0.410	MeA	90
022	F13	DP-052 & DP-053 & DP-054	53 & 54 & 55	PEM	Not Isolated	43.853573	-75.666620	1,046	0.024	CaB	10
				PSS				5,989	0.137	MeA	90
								10,572	0.243		
023	F13	DP-055 & DP-056	56 & 57	PFO	Not Isolated	43.853699	-75.663242	888	0.020	AcA	95
024	F13	DP-057 & DP-058	58 & 59	PFO	Not Isolated	43.855041	-75.664510	29,112	0.668	CaB	10
								36,331	0.834	MeA	90
025	F13	DP-059 & DP-060	60 & 61	PFO	Not Isolated	43.853644	-75.664753	18,328	0.421	CaB	10
026	F12	DP-061 & DP-062	62 & 63	PFO	Not Isolated	43.853091	-75.657938	2,489	0.057	CaB	10
027	F3 & F12	DP-063 & DP-064	64 & 65	PSS	Not Isolated	43.852680	-75.656813	588	0.014	AcA	95
								13,617	0.313	CaB	10
028	F21	DP-065 & DP-066	66 & 67	PEM	Not Isolated	43.846320	-75.650087	3,162	0.073	AcA	95
								1,110	0.025	CaB	10
								3,623	0.083	MeA	90
029	F21	DP-068 & DP-069	71 & 72	PEM	Isolated	43.846341	-75.652047	808	0.019	MeA	90
030	F21	DP-068 & DP-069	71 & 72	PEM	Isolated	43.846291	-75.652361	1,089	0.025	CaB	10
								6,228	0.143	MeA	90

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						Latitude	Longitude	Square Feet	Acres	Soil Symbol	Hydric Component Percentage
031	F21	DP-070 & DP-071	73 & 74	PFO	Not Isolated	43.845446	-75.653496	461	0.011	CaA	10
								15,720	0.361	CaB	10
								21,859	0.502	MeA	90
032	F21	DP-072 & DP-073	75 & 76	PFO	Not Isolated	43.846604	-75.653034	1,609	0.037	CaB	10
								149	0.003	MeA	90
033	F21	DP-074 & DP-075	77 & 78	PFO	Isolated	43.846768	-75.654185	2,132	0.049	CaB	10
034	F21	DP-075 & DP-076	78 & 79	PFO	Not Isolated	43.846376	-75.654546	1,669	0.038	CaA	10
				PSS				349	0.008		
									11,909	0.273	CaB
035	E16	DP-077 & DP-078	80 & 81	PFO	Not Isolated	43.835914	-75.616176	64,316	1.476	laB	90
								21	0.0005	TbB	10
036	E16	DP-079 & DP-080	82 & 83	PFO	Not Isolated	43.835040	-75.616526	10,912	0.251	TbB	10
037	F3	DP-081 & DP-082	84 & 85	PEM	Not Isolated	43.852599	-75.654262	6,334	0.145	AcA	95
								526	0.012	CaA	10
								1,076	0.025	MeA	90
038	F2	DP-083 & DP-084	86 & 87	PSS	Not Isolated	43.850826	-75.648535	32,716	0.751	CaA	10
								12,405	0.285	CaB	10
								97,271	2.233	MeA	90
								333	0.008	PfE	0
039	F27	DP-086 & DP-087	91 & 92	PEM	Not Isolated	43.866519	-75.671867	6,746	0.155	TbC	5
040	E11	DP-089 & DP-090	96 & 97	PEM	Not Isolated	43.842686	-75.602818	1,501	0.034	McB	10
								496	0.011	PhB	0
041	A5	DP-092 & DP-093	98 & 99	PFO	Not Isolated	43.813934	-75.488906	1,397	0.032	SfA	90
042	B7	DP-096 & DP-097	100 & 101	PEM	Not Isolated	43.820715	-75.537648	27,228	0.625	AfB	0
								14,460	0.332	NcB	0
043	C3 & C4 & C5	DP-099 & DP-100 & DP-464 & DP-465	105 & 106 & 315 & 316	PEM	Not Isolated	43.827845	-75.554104	95,531	2.193	BdA	5
								9,599	0.220	SdA	85
044	E17	DP-102 & DP-103	107 & 108	PFO	Not Isolated	43.835002	-75.620379	14,078	0.323	TbB	10
200	E3 & E4	DP-201 & DP-202	113	PFO	Not Isolated	43.851575	-75.608794	11,834	0.272	FaA	95
201	E4 & E5	DP-203 & DP-204	114 & 115	PFO	Not Isolated	43.856022	-75.612688	17,282	0.397	FaA	95
								3,938	0.090	McA	10
								1,740	0.040	TbA	10
202	E7	DP-206 & DP-208	119 & 121	PEM	Isolated	43.852546	-75.612983	379	0.009	laA	90
203	E7	DP-207 & DP-208	120 & 121	PEM	Not Isolated	43.852723	-75.613055	2,915	0.067	laA	90
								2,870	0.066	TbA	10
204	E7	DP-208 & DP-210	121 & 125	PEM	Not Isolated	43.851792	-75.614705	1,610	0.037	FaA	95
205	E18 & E20	DP-211 & DP-212	126 & 127	PEM	Not Isolated	43.846407	-75.625006	712	0.016	AcA	95
								3,876	0.089	TbC	5
206	E21	DP-213 & DP-216	128 & 133	PEM	Not Isolated	43.848971	-75.628464	6,927	0.159	MeA	90
207	E21	DP-215 & DP-216	132 & 133	PFO	Not Isolated	43.849101	-75.629063	16,893	0.388	MeA	90
208	E22	DP-217 & DP-218	134	PFO	Not Isolated	43.850462	-75.630975	7,044	0.162	PeB	0
209	E22	DP-219 & DP-220	135 & 136	PEM	Isolated	43.850665	-75.631871	1,650	0.038	PeB	0
								874	0.020	PeB	0
								202	0.005	PeC	0
210	E22	DP-220 & DP-222	136 & 140	PEM	Not Isolated	43.850774	-75.632569	2,433	0.056	PfE	0
								735	0.017	FaA	95
211	C18	DP-037 & DP-223	36 & 141	PSS	Isolated	43.811613	-75.579405	735	0.017	FaA	95
212	C19	DP-224 & DP-225	142 & 143	PEM	Not Isolated	43.809761	-75.574548	4,725	0.108	FaA	95
213	D8	DP-227 & DP-228	147 & 148	PEM	Not Isolated	43.858536	-75.567732	2,534	0.058	AfB	0
214	F11	DP-233 & DP-237	151 & 157	PEM	Not Isolated	43.871468	-75.652318	563	0.013	AgB	0
215	F11	DP-235 & DP-236 & DP-237	155 & 156 & 157	PEM	Not Isolated	43.870107	-75.653979	25,451	0.584	CaB	10
				PFO				17013	0.391		

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						Latitude	Longitude	Square Feet	Acres	Soil Symbol	Hydric Component Percentage
216	F8	DP-239 & DP-240 & DP-241	161 & 162 & 163	PEM	Not Isolated	43.866151	-75.656132	8,934	0.205	CaA	10
				PFO				750	0.017		
218	F9	DP-243 & DP-249	165 & 171	PEM	Isolated	43.868234	-75.656308	5,461	0.125	CaB	10
219	F9	DP-243 & DP-249	165 & 171	PEM	Isolated	43.867799	-75.656476	3,370	0.077	CaB	10
220	F9	DP-242 & DP-244 & DP-245 & DP-249 & DP-607	166 & 167 & 171 & 387	PEM	Not Isolated	43.868028	-75.657654	19,498	0.448	CaB	10
				PFO				1,550	0.036	MeA	90
				PSS				3,179	0.073	CaB	10
								10,084	0.231		
								3,260	0.075	MeA	90
221	F10	DP-246 & DP-247 & DP-248	168 & 169 & 170	PEM	Not Isolated	43.868386	-75.661068	2,542	0.058	CaB	10
				PFO				10,332	0.237		
222	F10	DP-246 & DP-248	168 & 170	PFO	Isolated	43.868392	-75.660606	847	0.019	CaB	10
223	F10	DP-247 & DP-248	169 & 170	PEM	Not Isolated	43.868808	-75.661091	866	0.020	CaB	10
224	F4	DP-250 & DP-251 & DP-252 & DP-253	172 & 173 & 174 & 175	PEM	Not Isolated	43.856015	-75.652540	2,124	0.049	SdA	85
				PSS				9,984	0.229	AcA	95
								67	0.002	SdA	85
225	F4	DP-254 & DP-255	175 & 176 & 177	PEM	Not Isolated	43.858403	-75.650702	780	0.018	AcA	95
				PFO				5,772	0.133	CaB	10
								8,524	0.196	AcA	95
								567	0.013	CaB	10
226	F5	DP-256 & DP-257 & DP-258	178 & 179 & 180	PFO	Not Isolated	43.860570	-75.649359	8,755	0.201	CaA	10
								14,153	0.325	MeA	90
227	E16	DP-269 & DP-270	194 & 195	PEM	Not Isolated	43.837639	-75.613114	147	0.003	laB	90
300	C28	DP-300 & DP-307 & DP-308	206 & 207	PEM	Isolated	43.817002	-75.574249	920	0.021	McB	10
301	C11 & C12	DP-310 & DP-312	209 & 213	PEM	Not Isolated	43.827041	-75.571380	1,984	0.046	HbA	0
302	C11 & C12	DP-313 & DP-314	214 & 215	PSS	Not Isolated	43.828840	-75.571668	54	0.001	HeA	10
								517	0.012	PhB	0
								8,905	0.204	WfA	85
305	E8	DP-317 & DP-318	218 & 219	PEM	Isolated	43.848307	-75.615372	55	0.001	HbB	5
								914	0.021	PhB	0
306	E12	DP-320 & DP-324	223 & 231	PSS	Not Isolated	43.844647	-75.606443	4,472	0.103	McA	10
307	D28 & E1	DP-322 & DP-324	227 & 231	PEM	Not Isolated	43.846522	-75.601757	12,123	0.278	FaA	95
								6,145	0.141	laB	90
								6	0.0001	PhC	0
400	F26	DP-400 & DP-401 & DP-402 & DP-403	232 & 233 & 234 & 235	PEM	Not Isolated	43.840703	-75.658225	6,933	0.159	MeA	90
				PSS				169	0.004		
								1,775	0.041		
401	F24	DP-404 & DP-405	236 & 237	PEM	Not Isolated	43.844000	-75.658645	5,114	0.117	MdD	0
								1,027	0.024	PeB	0
402	F24	DP-406 & DP-407	238 & 239	PSS	Not Isolated	43.844330	-75.659264	4,286	0.098	MdD	0
403	F24	DP-409 & DP-410	243 & 244	PEM	Not Isolated	43.845035	-75.659664	2,728	0.063	MdD	0
								31	0.001	MeA	90
								6,673	0.153	MdD	0
404	F24	DP-413 & DP-414	248 & 249	PEM	Not Isolated	43.845669	-75.658526	802	0.018	PeB	0
				PSS				4,430	0.102	MdD	0
405	F20	DP-415 & DP-416	250 & 251	PSS	Not Isolated	43.846748	-75.656955	32,491	0.746	CaA	10
406	F20	DP-417 & DP-418	252 & 253	PEM	Isolated	43.847014	-75.656535	20,993	0.482	CaA	10
407	F12 & F20	DP-419 & DP-420 & DP-421 & DP-422	254 & 255 & 256	PEM	Not Isolated	43.851718	-75.658714	64,828	1.488	AcA	95
				PFO				32,453	0.745	CaB	10
								4,975	0.114	MeA	90
								15,878	0.365	AcA	95
							6,458	0.148	CaB	10	

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						Latitude	Longitude	Square Feet	Acres	Soil Symbol	Hydric Component Percentage
408	D16	DP-426 & DP-426A	263 & 264	PEM	Not Isolated	43.861437	-75.586829	1,894	0.043	KcA	5
								5,284	0.121	LcA	90
409	D15 & D16 & D17	DP-304 & DP-429 & DP-430 & DP-626	199 & 269 & 270 & 406	PFO	Not Isolated	43.858802	-75.585523	2,584	0.059	AgB	0
								1,539	0.035	KcA	5
410	D17	DP-428 & DP-431	268 & 271	PFO	Not Isolated	43.856505	-75.582781	26,208	0.602	AgB	0
								1,708	0.039	NeB	0
411	D15	DP-432 & DP-433	272 & 273	PSS	Not Isolated	43.861494	-75.581876	576	0.013	AfB	0
								6,338	0.145	KcA	5
								185	0.004	NbB	0
412	C8 & C9	DP-315 & DP-316 & DP-438 & DP-439	216 & 217 & 281 & 282	PEM	Not Isolated	43.833934	-75.569694	161,408	3.705	SdA	85
								PFO	739	0.017	WfA
				PEM				98	0.002	PhC	0
								PFO	6,108	0.140	SdA
413	C9 & D21	DP-442 & DP-443	285 & 286	PEM	Not Isolated	43.834518	-75.578060	48,875	1.122	BdA	5
								PFO	4,041	0.093	PhC
				PEM				1,205	0.028	SdA	85
								PFO	16,448	0.378	BdA
414	D21	DP-440 & DP-441	283 & 284	PFO	Not Isolated	43.836502	-75.578609	8,390	0.193	BdA	5
								9,461	0.217	CbA	0
								367	0.008	PcB	0
415	D24	DP-450 & DP-451	297 & 298	PEM	Not Isolated	43.840530	-75.592176	914	0.021	laA	90
								17,763	0.408	PhB	0
416	D23	DP-445 & DP-446	290 & 291	PEM	Isolated	43.841582	-75.588240	1,397	0.032	AgB	0
								178	0.004	NeB	0
417	D26 & D27	DP-448 & DP-449	295 & 296	PFO	Not Isolated	43.843239	-75.588853	8,624	0.198	AgB	0
								377	0.009	FaA	95
418	C26	DP-454 & DP-455	305 & 306	PFO	Not Isolated	43.834353	-75.587818	3,000	0.069	SdA	85
								1,089	0.025	SdA	85
419	C23	DP-456 & DP-457	307 & 308 & 309	PEM	Not Isolated	43.836725	-75.585036	20,173	0.463	WcA	100
								719	0.017	laA	90
420	E12 & E13	DP-458 & DP-459	310 & 311	PEM	Not Isolated	43.844062	-75.609733	11,424	0.262	PhB	0
								1,947	0.045	laA	90
421	E9 & E10	DP-460 & DP-461	312 & 313	PEM	Not Isolated	43.841229	-75.604357	1,137	0.026	McB	10
								1,770	0.041	AgB	0
422	B11	DP-462 & DP-463	314 &	PFO	Not Isolated	43.823325	-75.532708	9,595	0.220	LcA	90
								3,212	0.074	CaB	10
								413	0.009	laA	90
								13,698	0.314	TbA	10
424	E5 & E6 & E7	DP-466 & DP-467 & DP-468 & DP-469 & DP-629	317 & 318 & 319 & 413	PEM	Not Isolated	43.855314	-75.617305	24,519	0.563	CaB	10
								PFO	32,495	0.746	laA
				PEM				12,450	0.286	TbA	10
								PFO	324	0.007	TbA
425	E7	DP-470 & DP-471	320 & 321	PFO	Not Isolated	43.852456	-75.615508	9,719	0.223	EaA	5
								413	0.009	NbB	0
426	D1 & D2 & D32	DP-474 & DP-474A	327 & 328	PEM	Not Isolated	43.838672	-75.566327	5,313	0.122	JaA	15
								7,068	0.162	AgB	0
427	A7	DP-479 & DP-480	341 & 342	PEM	Isolated	43.815853	-75.499767	13,105	0.301	SfA	90
								8,021	0.184	HhD	0
428	A4	DP-486 & DP-487	349 & 350	PFO	Not Isolated	43.808597	-75.487115	25,209	0.579	SfA	90
								2,734	0.063	WfA	85
								7,068	0.162	AgB	0
429	A5	DP-493 & DP-494	354	PEM	Not Isolated	43.812848	-75.488607	8,021	0.184	HhD	0
								25,209	0.579	SfA	90
								2,734	0.063	WfA	85

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						Latitude	Longitude	Square Feet	Acres	Soil Symbol	Hydric Component Percentage
600	F27 & F28	DP-600 & DP-602	373 & 377	PEM	Not Isolated	43.868850	-75.669596	623	0.014	laA	90
								32,505	0.746	laB	90
								32,114	0.737	TbB	10
601	F27	DP-608 & DP-609 & DP-612	388 & 392 & 393	PEM	Not Isolated	43.867006	-75.674151	2,613	0.060	SkA	95
				PSS				4,818	0.111	HfB	10
								2,665	0.061	SkA	95
602	F27	DP-613 & DP-614	394 & 395	PEM	Isolated	43.868710	-75.672194	1,637	0.038	TbC	5
603	F16	DP-615 & DP-616	396 & 397	PEM	Not Isolated	43.857971	-75.674761	5,233	0.120	laB	90
								836	0.019	TbB	10
								14,292	0.328	TbC	5
								8,717	0.200	laB	90
				PSS				43	0.001	TbB	10
604	F16	DP-617 & DP-618	398 & 399	PEM	Not Isolated	43.858346	-75.675206	199	0.005	TbC	5
605	F15	DP-619 & DP-620	400 & 401	PEM	Isolated	43.857097	-75.669263	1,559	0.036	TbC	5
								6,097	0.140	MeA	90
606	F21	DP-071 & DP-621	74 & 402	PFO	Isolated	43.846030	-75.653914	19	0.0004	TbB	10
607	C25	DP-623 & DP-625	403 & 405	PEM	Isolated	43.832044	-75.592615	5,249	0.120	CaB	10
608	C25	DP-624 & DP-625	404 & 405	PEM	Isolated	43.831576	-75.592653	1,117	0.026	MdC	0
609	D28	DP-631 & DP-636	414 & 421	PEM	Not Isolated	43.843752	-75.596429	5,873	0.135	MdC	0
610	D27	DP-634 & DP-635	419 & 420	PEM	Not Isolated	43.843464	-75.590400	16,508	0.379	laB	90
								311	0.007	AgB	0
								9,266	0.213	NgD	0
611	D23	DP-633 & DP-634 & DP-649	418 & 419	PEM	Not Isolated	43.841124	-75.587104	16,717	0.384	AgB	0
								351	0.008	GoD	0
								8,057	0.185	NeB	0
612	A8	DP-640 & DP-641	423 & 424	PEM	Not Isolated	43.815171	-75.501155	2,435	0.056	NcC	0
613	A10	DP-644 & DP-645	428 & 429	PEM	Not Isolated	43.825000	-75.604446	822	0.019	CaB	10
								1,372	0.031	MdC	0
614	D28	N/A	N/A	PEM	Not Isolated	43.843501	-75.595652	139	0.003	laB	90
615	D23 & D26	DP-648 & DP-649	431 & 432	PEM	Not Isolated	43.842057	-75.587367	48,309	1.109	AgB	0
								87	0.002	KbA	10
616	F5	DP-652 & DP-653 & DP-655	440 & 441 & 445	PEM	Not Isolated	43.861888	-75.647784	9,440	0.217	PeB	0
				PSS				3,012	0.069		
								11,727	0.269		
617	F29	DP-655 & DP-658	445 & 456	PEM	Not Isolated	43.863630	-75.644713	3,516	0.081	FaA	95
								1,142	0.026	AgB	0
								588	0.013	PeC	0
618	F29	DP-655 & DP-659	445 & 457	PEM	Not Isolated	43.864227	-75.645155	2,265	0.052	PfE	0
								123	0.003	AgB	0
619	F29	N/A	N/A	PEM	Not Isolated	43.864087	-75.643841	2,744	0.063	PfE	0
								19,880	0.456	AgA	0
620	F30 & F31	DP-661 & DP-662 & DP-663 & DP-664	461 & 462 & 463 & 464	PEM	Not Isolated	43.867780	-75.638887	35,546	0.816	KbA	10
								9,880	0.227	AgA	0
				PFO				4,318	0.099	KbA	10
								15,523	0.356	LcA	90
								5,996	0.138	AgA	0
				PSS				15,704	0.361	KbA	10
								807	0.019	LcA	90
621	D18	DP-666 & DP-667	466 & 467	PEM	Not Isolated	43.853787	-75.577897	20,802	0.478	AfB	0
								37,546	0.862	KcA	5

**Table 1
Wetland Delineation Summary**

Wetland ID	Map Sheet #	Associated Data Point #	Associated Photo Log #	Cowardin Classification	Connectivity Classification*	Coordinates		Wetland Area within Study Limits		Soils	
						Latitude	Longitude	Square Feet	Acres	Soil Symbol	Hydric Component Percentage
622	D27 & D28 & D29 & E1	DP-647 & DP-650	430 & 433	PEM	Not Isolated	43.845879	-75.593524	17,699	0.406	AgB	0
623	A1	DP-669 & DP-670	471 & 472	PEM	Not Isolated	43.804037	-75.474994	1,303	0.030	GhB	0
								4,085	0.094	ReE	0
								2,622	0.060	DcB	0
624	A1	DP-671 & DP-672	473 & 474	PEM	Not Isolated	43.804892	-75.475371	1,304	0.030	DcB	0
625	D25	DP-673 & DP-674	475 & 476	PEM	Not Isolated	43.839384	-75.594833	1,261	0.029	IaA	90
1000**	A14	N/A	N/A	PEM	Not Isolated	43.794449	-75.548027	11,760	0.270	GfA	85
								2,035	0.047	PcB	0

Notes:

*Connectivity classifications provided represent the professional opinion of Fisher Associates. For approval of these classifications, a request for Jurisdictional Determination should be made to the US Army Corps of Engineers.

**Feature was desktop delineated by utilizing available aerial imagery of the area and verifying from the road right-of-way due to not having land access to the property.

Table 2
Stream Delineation Summary

Stream ID	Map Sheet #	Associated Data Point #	Associated Photolog #	Stream Name	Tributary of	Flow Regime	Flow Direction	NYSDEC Classification Designation*	NYSDEC Standard Designation	Latitude	Longitude	Stream Width (Top of Bank Average, Ft.)	Stream Reach Length (Within Study Limits, Linear Ft.)
001	E18	DP-031	24 & 25 & 26	Unnamed Tributary	Hufcut Creek	Ephemeral	North	C	ND	43.846129	-75.620324	6	32
002	E18	DP-032	27 & 28 & 29	Unnamed Tributary	Hufcut Creek	Intermittent	North	C	ND	43.846124	-75.620940	9	92
003	E18	DP-035	31 & 32 & 33	Unnamed Tributary	Hufcut Creek	Perennial	East	C	ND	43.846252	-75.620959	16	159
004	F21 & F22	DP-046	45 & 46 & 47	Unnamed Tributary	Stony Creek	Perennial	East	C	ND	43.845993	-75.649522	4	194
005	F21 & F22	DP-067	68 & 69 & 70	Unnamed Tributary	Stony Creek	Perennial	East	C	ND	43.846244	-75.650430	3	326
006	F2	DP-085	88 & 89 & 90	Unnamed Tributary	Stony Creek	Intermittent	North	C	ND	43.851236	-75.647200	2	209
007	C4	DP-098	102 & 103 & 104	North Branch of Mill Creek	Black River	Perennial	South	C	ND	43.826251	-75.554889	18	651
008	C16	DP-105 & DP-305	109 & 110 & 111 & 200 & 201 & 202	North Branch of Mill Creek	Black River	Perennial	South	C	ND	43.815169	-75.575499	14	132
200	E3 & E7	DP-209	122 & 123 & 124	Unnamed Tributary	Hufcut Creek	Perennial	West	C	ND	43.851779	-75.613594	12	911
201	E21	DP-214	129 & 130 & 131	Unnamed Tributary	Stony Creek	Intermittent	East	C	ND	43.849356	-75.627632	10	88
203	E22	DP-221	137 & 138 & 139	Unnamed Tributary	Stony Creek	Intermittent	East	C	ND	43.850771	-75.632545	12	48
204	D8	DP-226	144 & 145 & 146	Negro Creek	Black River	Perennial	East	C	ND	43.858595	-75.567735	7	582
205	E16	DP-266	187 & 188 & 189	Unnamed Tributary	Hufcut Creek	Perennial	South	C	ND	43.837800	-75.612455	22	115
206	E16	DP-268	191 & 192 & 193	Unnamed Tributary	Hufcut Creek	Intermittent	North	C	ND	43.837686	-75.613022	11	219
300	C16 & C28	DP-306	203 & 204 & 205	North Branch of Mill Creek	Black River	Intermittent	East	C	ND	43.816597	-75.578625	23	6
301	C11 & C12	DP-311	210 & 211 & 212	North Branch of Mill Creek	Black River	Perennial	East	C	ND	43.827032	-75.571313	5	84
302	E12	DP-321	224 & 225 & 226	Unnamed Tributary	Hufcut Creek	Intermittent	North	C	ND	43.844850	-75.606480	5	105
303	D28 & E2	DP-323	228 & 229 & 230	Unnamed Tributary	Hufcut Creek	Perennial	South	C	ND	43.846467	-75.601801	5	41
401	F24	DP-412	245 & 246 & 247	Unnamed Tributary	Deer River	Perennial	North	C	T	43.845522	-75.659127	10	94
402	F20	DP-495	355 & 356 & 357	Unnamed Tributary	Deer River	Ephemeral	West	C	T	43.850176	-75.656329	15	249
403	F6	DP-496	358 & 359 & 360	Stony Creek	Black River	Intermittent	East	C	ND	43.855509	-75.643124	3	286
404	D15	DP-425	260 & 261 & 262	Negro Creek	Black River	Intermittent	East	C	ND	43.861054	-75.586323	44	67
405	C8 & D1 & D32	DP-437	278 & 279 & 280	Unnamed Tributary	Hufcut Creek	Intermittent	East	C	ND	43.834541	-75.567808	25	614
406	D26 & D27	DP-447	292 & 293 & 294	Unnamed Tributary	Hufcut Creek	Perennial	North	C	ND	43.843179	-75.567808	30	434
407	C26	DP-453	302 & 303 & 304	Hufcut Creek	Black River	Perennial	East	C	ND	43.834366	-75.587818	6	1,126
408	C19 & C20	DP-472	322 & 323 & 324	North Branch of Mill Creek	Black River	Intermittent	East	C	ND	43.811314	-75.567272	20	124
409	D1 & D2 & D32	DP-473	325 & 326	Hufcut Creek	Black River	Perennial	East	C	ND	43.834366	-75.587818	35	103
410	C11	DP-475	329 & 330 & 331	North Branch of Mill Creek	Black River	Perennial	North	C	ND	43.811314	-75.567272	6	327
411	C13	DP-497	361 & 362 & 363	Unnamed Tributary	North Branch of Mill Creek	Perennial	East	C	ND	43.827188	-75.568242	60	178
412	C14	N/A	N/A	North Branch of Mill Creek	Black River	Ephemeral	East	C	ND	43.827188	-75.568242	25	58
413	C14	N/A	N/A	Unnamed Tributary	North Branch of Mill Creek	Perennial	East	C	ND	43.823244	-75.568626	15	49
414	D18	DP-477	335 & 336 & 337	Negro Creek	Black River	Ephemeral	East	C	ND	43.820696	-75.569293	12	21
415	A1	DP-481	343 & 344 & 345	Unnamed Tributary	Black River	Ephemeral	East	C	ND	43.818834	-75.569732	6	168
416	A4	DP-484	346 & 347 & 348	Unnamed Tributary	Black River	Ephemeral	East	C	ND	43.854489	-75.578722	15	205
600	F28	DP-601	374 & 375 & 376	Unnamed Tributary	Deer River	Intermittent	North	C	ND	43.803526	-75.477739	25	810
601	F28	DP-603	378 & 379 & 380	Unnamed Tributary	Deer River	Intermittent	East	C	ND	43.808386	-75.486644	12	246
602	F28	DP-604	381 & 382 & 383	Unnamed Tributary	Deer River	Ephemeral	North	A	ND	43.868868	-75.669542	2	106
603	F10	DP-605	384 & 385 & 386	Unnamed Tributary	Deer River	Perennial	West	A	ND	43.868921	-75.666761	3	175
604	F27	DP-611	389 & 390 & 391	Unnamed Tributary	Deer River	Ephemeral	West	A	ND	43.869057	-75.667202	4	42
605	D21	DP-627	407 & 408 & 409	Hufcut Creek	Black River	Perennial	North	A	ND	43.868798	-75.664057	3	185
606	D28	DP-632	415 & 416 & 417	Unnamed Tributary	Hufcut Creek	Perennial	West	A	ND	43.866942	-75.673877	10	76
607	F5	DP-651	437 & 438 & 439	Unnamed Tributary	Deer River	Perennial	North	C	ND	43.835049	-75.579148	25	216
608	F5 & F29	DP-654	442 & 443 & 444	Unnamed Tributary	Deer River	Ephemeral	North	C	ND	43.843796	-75.595376	2	46
						Intermittent	East	C	ND	43.861963	-75.648031	5	13
						Perennial	East	C	ND	43.861963	-75.648031	2	180
						Ephemeral	South	C	ND	43.862238	-75.647242	3	26

**Table 2
Stream Delineation Summary**

Stream ID	Map Sheet #	Associated Data Point #	Associated Photolog #	Stream Name	Tributary of	Flow Regime	Flow Direction	NYSDEC Classification Designation*	NYSDEC Standard Designation	Latitude	Longitude	Stream Width (Top of Bank Average, Ft.)	Stream Reach Length (Within Study Limits, Linear Ft.)
609	F29 & F30 & F31	DP-656	446 & 447 & 448	Unnamed Tributary	Deer River	Intermittent	West	C	ND	43.866629	-75.639428	2	25
							North					3	28
												4	135
												6	113
610	F29	DP-660	458 & 459 & 460	Unnamed Tributary	Deer River	Intermittent	North	C	ND	43.864303	-75.644964	2	240
611	A11	DP-668	468 & 469 & 470	Unnamed Tributary	Black River	Perennial	East	C	ND	43.804012	-75.474060	8	774
612	F9	DP-675	477 & 478 & 479	Unnamed Tributary	Deer River	Perennial	North	A	ND	43.870041	-75.655190	6	25
1000**	A14	N/A	N/A	Unnamed Tributary	North Branch of Mill Creek	Intermittent	North	C	ND	43.794367	-75.547688	18	211

Notes:

NYSDEC Classification Designations:

- AA or A: waters used as a source of drinking water
- B: waters with best usage for swimming and other contact recreation, but not for drinking water
- C: waters supporting fisheries and suitable for non-contact activities
- D: other waters, the lowest classification standard

NYSDEC Standard Designations:

- ND: no assigned designation
- T: may support a trout population
- TS: may support trout spawning

Waters with classifications of A, B, and C may, but will not always have an associated Standard Designation relative to trout use.

Streams with a classification of AA, A, B, or with a classification of C with a standard of "T" or "TS" are referred to a "Protected Streams" and are subject to the stream protection provisions of the New York State Protection of Waters regulations.

*Streams that do not appear on the NYSDEC mapping are assigned to Class D, with the exception of any "continuous flowing natural stream" which is assigned the same classification as the water to which it is a tributary. Due to errors in the available electronic mapping, Fisher recommends coordination with NYSDEC to verify stream designations of any streams that may be impacted by the Project.

**Feature was desktop delineated by utilizing available aerial imagery of the area and verifying from the road right-of-way due to not having land access to the property.

**Table 3
Jurisdictional Ditch Delineation Summary**

Ditch ID	Map Sheet #	Associated Data Point #	Associated Photolog #	Latitude	Longitude	Ditch Width (Top of Bank Average, Ft.)	Ditch Reach Length (Within Project Study Limits, Linear Ft.)
009	F27	DP-088	93 & 94 & 95	43.866519	-75.671907	8	269
200	E8	DP-205	116 & 117 & 118	43.848122	-75.615367	7.5	397
203	F11	DP-234	152 & 153 & 154	43.871119	-75.651925	4	255
204	F9	DP-238	158 & 159 & 160	43.868662	-75.655594	6	638
206	F16	DP-261	182 & 183 & 184	43.858605	-75.674869	6	149
300	E12	DP-319	220 & 221 & 222	43.844318	-75.607196	3	120
400	E23 & E24	DP-423	257 & 258 & 259	43.853727	-75.637892	5	402
402	F24	DP-408	240 & 241 & 242	43.843816	-75.658553	8	288
403	D15 & D16	DP-427	265 & 266 & 267	43.860061	-75.586356	6	709
404	C8 & D32	DP-434	274 & 275 & 276	43.833853	-75.567364	10	687
405	D24	DP-444	287 & 288 & 289	43.840662	-75.590973	7	396
406	D23 & D24	DP-452	299 & 300 & 301	43.839218	-75.588101	12	1,145
407	D23 & D24	DP-498	364 & 365 & 366	43.838497	-75.588052	12	684
408	D25	DP-499	367 & 368 & 369	43.839706	-75.595303	12	178
411	D32	DP-502	370 & 371 & 372	43.837123	-75.566952	7	141
412	C13	DP-476	332 & 333 & 334	43.823570	-75.568535	6	386
413	C14	N/A	N/A	43.819331	-75.569584	5	661
414	A9	DP-478	338 & 339 & 340	43.815215	-75.508151	8	1,142
418	A4	DP-488	N/A	43.809060	-75.487396	12	31
420	A4	DP-490	N/A	43.808693	-75.488863	12	110
421	A5	DP-491	N/A	43.812672	-75.488431	12	154
422	A5	DP-492	351 & 352 & 353	43.812683	-75.488976	8	123
603	C9	DP-628	410 & 411 & 412	43.833868	-75.573158	8	196
606	D29 & E1	DP-651A	434 & 435 & 436	43.846615	-75.595681	2	181
607A	F29	DP-657	449 & 450 & 451	43.864199	-75.644345	5	345
608	A10	DP-643	425 & 426 & 427	43.824806	-75.604200	15	33

Notes:

*Jurisdiction classifications provided represent the professional opinion of Fisher Associates. For approval of these classifications, a request for Jurisdictional Determination should be made to the US Army Corps of Engineers. Classification as a jurisdictional ditch herein is based on the presence of a defined bed and bank, an ordinary high water mark (OHWM), a direct or indirect connection to a traditional navigable water (TNW), and at least one of the following supplementing attributes:

- a) Presence of relatively permanent flowing or standing water;
- b) A natural stream that has been altered;
- c) Excavated in a jurisdictional waters of the US (WOTUS);
- d) Connects two or more jurisdictional WOTUS; or
- e) Drains natural water bodies (including wetlands) into a tributary system of a TNW.

Ditches are not regulated by the New York State Department of Environmental Conservation unless they are determined to be altered natural tributaries possessing a state-regulated classification and/or standard designation.