New York State Department of Environmental Conservation and
U.S. Army Corps of Engineers
Joint Application – Supplemental Information
Constitution Pipeline
Broome, Chenango, Delaware, Otsego, and Schoharie Counties

ATTACHMENT K WETLAND MITIGATION PLAN

Updated August 2014

CONSTITUTION PIPELINE



WETLAND MITIGATION PLAN NEW YORK

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TABLE ABBREVIATIONS

Enh. Enhancement

ESH Endangered Species Habitat

Est. Establishment

ESV Educational/Scientific Value

FAC Facultative

FACW Facultative Wetland FFA Floodflow Alteration

FSH Fish and Shellfish Habitat

GRD Groundwater Recharge/Discharge

HUC Hydrologic Unit Code

ILF In Lieu Fee MP Milepost

M&R Meter and Regulator

NCNE Northcentral Northeast Region

No Occ. No Occurrence

NRRT Nutrient Removal and Retention

OBL Obligate
Occ. Occurrence

PAR Permanent Access Road

PE Production Export

PEM Palustrine Emergent Wetland PFO Palustrine Forested Wetland

Pres. Preservation

Princ. Principal Function

PSS Palustrine Scrub-Shrub Wetland

REC Recreation
Rest. Restoration
Scho. Schoharie

SSS Sediment/Shoreline Stabilization STR Sediment/Toxicant Retention

UH Uniqueness/HeritageUp. Del. Upper DelawareUp. Sus. Upper Susquehanna

VQA Visual Quality and Aesthetics

WH Wildlife Habitat



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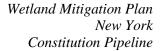
1.0 INTRODUCTION

Mitigation for unavoidable temporary and permanent impacts on wetlands resulting from the construction and operation of Constitution Pipeline (Project) is required to comply with Section 404 of the Clean Water Act (CWA) (33 USC § 1344). This Wetland Mitigation Plan (Plan) provides an outline of the methods Constitution Pipeline Company, LLC. (Constitution) used to identify and assess potential wetlands mitigation opportunities and summarizes the specific mitigation proposed. The methods to assess available opportunities and identify the proposed mitigation are consistent with guidelines for compensatory mitigation (DOD and EPA, 2008) for activities authorized by the U.S. Army Corps of Engineers (USACE) and the New York State Department of Environmental Conservation (NYSDEC).

The objective of the CWA is "to restore and maintain the chemical, physical, and biological integrity of the Nation's waters." Accordingly, the CWA prohibits the discharge of dredged or fill material into wetlands, streams, and other waters of the United States unless the USACE issues a permit under CWA Section 404 authorizing such a discharge. When a proposed action will impact jurisdictional wetlands, all appropriate and practicable steps must first be taken to avoid and minimize impacts on aquatic resources. When impacts are unavoidable, compensatory mitigation is required to replace the lost functions and services of affected wetlands, streams, and other aquatic resources. The USACE is responsible for determining the appropriate form and amount of compensatory mitigation required. Two USACE districts are involved in the New York portion of the Project: New York District and Buffalo District. The USACE's New York District is the lead district for the proposed Project and will assess compensatory mitigation for the entire Project.

Constitution employed a variety of strategies and techniques to avoid or minimize impacts on wetlands and waterbodies throughout the process of selecting and designing the proposed route for the pipeline. Those efforts include adjusting the pipeline alignment and width of the construction right-of-way (ROW) and access road limit of disturbance (LOD) to avoid wetlands as much as possible; siting above-ground facilities and contractor yards to avoid wetlands; limiting proposed maintenance clearing of vegetation from the pipeline corridor; and developing plans for grading, controlling erosion, restoration and managing invasive species throughout the Project corridor, as described in Section 3.0 of this report.

To identify opportunities for compensatory mitigation of unavoidable impacts, Constitution searched for in-lieu fee programs and mitigation banks available within the affected watershed. Constitution then investigated opportunities for permittee-responsible wetland mitigation at sites identified by a variety of stakeholders, including interested local parties, non-governmental organizations (NGOs), and federal, state and local agencies. The investigation focused on the current USACE guidance and provided a complete mitigation scenario that will fully mitigate the Project's unavoidable wetland impacts, while considering public input. Constitution has identified adequate sites and is moving forward with an in-lieu fee program and several permittee-responsible sites to satisfy the USACE's mitigation requirements. Constitution evaluated the permittee-responsible sites presented in this Plan in the field, assessed their potential for viability and determined them to have an excellent chance of success (low risk). Constitution believes that this approach will satisfy federal and state regulatory requirements to compensate for unavoidable impacts on wetlands in a manner that ensures no net loss of wetland functions and services or area.





This Plan provides general Project information; a summary of the existing functions and services of wetlands affected by the Project, including amount and type of compensation; a description of the process used to identify, design, and secure acceptable mitigation opportunities that are consistent with the USACE's guidelines and a schedule for implementing the Plan.



2.0 PROJECT DESCRIPTION

Constitution has filed an application for a Certificate of Public Convenience and Necessity (Certificate) for the Project with the Federal Energy Regulatory Commission (FERC), docket number CP13-499-000. The Project will provide 650,000 dekatherms per day (Dth/d) of new, firm capacity for transporting natural gas from three receipt points in Susquehanna County, Pennsylvania, to a proposed interconnection with Iroquois Gas Transmission System, L.P.'s (Iroquois) proposed new transfer compressor station to be located in Town of Wright, New York, and, through a capacity lease with Iroquois, to delivery points on existing systems owned by Iroquois and Tennessee Gas Pipeline Company, LLC (Tennessee) in Schoharie County, New York. The proposed interconnection with Iroquois and the delivery points into Iroquois and Tennessee all will be located within Iroquois' existing Wright Compressor Station property in Schoharie County, New York.

The facilities required to provide the proposed service include approximately 125 miles of new, 30-inch-diameter pipeline to be constructed across two states; two meter and regulator (M&R) stations; and additional ancillary facilities such as main line valves (MLVs), cathodic protection, communication monopoles, and internal inspection device launchers and receivers. Approximately 99 miles of the 125-mile-length of the pipeline will be located within the state of New York.

Table 2-1 summarizes the facilities proposed for the Project in New York State.



TABLE 2-1: SUMMARY OF PROJECT FACILITIES IN NEW YORK STATE

| Facility ID | Facility Type ¹ | Length (miles) ² | County | State | | | | | | |
|---------------------------------------|--|------------------------------|-----------|-------|--|--|--|--|--|--|
| Pipeline Facilities | | | | | | | | | | |
| | | 17.04 | Broome | NY | | | | | | |
| Counties Dissiling | 20 '- 1 P'- 1' - | 8.31 | Chenango | NY | | | | | | |
| Constitution Pipeline | 30-inch Pipeline | 42.92 | Delaware | NY | | | | | | |
| | | 30.92 Schoharie | | NY | | | | | | |
| | Pipeline Facilities Total | 99.20 | - | - | | | | | | |
| Above-ground Facilities ³ | | | | | | | | | | |
| Facility ID | Facility Type ¹ | Milepost | County | State | | | | | | |
| Westfall Road M&R Delivery Station | Meter and Regulator Station | 124.46 | Schoharie | NY | | | | | | |
| Contractor Yards ³ | | | | | | | | | | |
| Name | Approximate Location | Size (Acres) ⁴ | County | State | | | | | | |
| Spread 3a | read 3a 309 ft south of MP 61.10 | | Otsego | NY | | | | | | |
| Spread 4a | read 4a 16,176 ft north of MP 77.36 | | Otsego | NY | | | | | | |
| Spread 4d | ead 4d 6,230 ft north-west of MP 82.20 | | Delaware | NY | | | | | | |
| Spread 5 | 7,610 ft north-west MP 107.15 | 18.18 | Schoharie | NY | | | | | | |
| | Contractor Yards Total | 79.68 | - | - | | | | | | |

Notes:

Source: Based on data obtained by Gulf Interstate Engineering (GIE)

¹ All facilities are new and require new land development.

² Horizontal distance related to the pipeline crossing.

³ No wetland impacts are currently associated with above-ground facilities and contractor yards.

⁴ Acreage refers to construction acreage (temporary work space, additional temporary workspace, and operational).





3.0 MEASURES TO AVOID AND MINIMIZE CONSTRUCTION IMPACTS

Avoidance and minimization of impacts on wetlands and waterbodies was a primary focus while selecting and designing the proposed pipeline route and access roads; however, due to the linear nature of pipeline construction, some impacts are unavoidable, and compensatory mitigation for those impacts is required. To minimize temporary construction impacts, Constitution will implement an Environmental Construction Plan (ECP) that provides details of best management practices (BMPs) for erosion and sediment control, construction typicals and details, a Grading Plan, and an Invasive Species Management Plan (ISMP). Constitution will bring all wetlands temporarily affected during construction or permanently affected by conversion (e.g., from palustrine forested wetland to palustrine scrub shrub wetland) back to their original grade to prevent changes in wetland hydrology and will segregate unsaturated soil layers to minimize mixing of subsoil and topsoil. Constitution will maintain the integrity of wetlands within the proposed ROW during construction of the pipeline by implementing its ECP for the Project.

The following sections summarize impacts and corresponding measures to address those impacts. Constitution's Environmental Report submitted in June 2013 as part of Constitution's Certificate application to FERC and supplemented in November of 2013, provides greater detail concerning on-site measures. Resource Report 2, *Water Use and Quality* (Constitution, 2013a), identifies the affected wetlands and waterbodies, construction methods to cross them, potential water withdrawal locations and amounts, and locations where contaminated sediments may be present. Resource Report 3, *Fish*, *Wildlife*, *and Vegetation* (Constitution, 2013b), describes the existing fish, wildlife, and vegetation resources using the stream and wetland habitats within the Project area; the potential impacts of construction and operation on those resources; and measures that will be implemented to reduce and mitigate those impacts.



4.0 PROJECT-RELATED WETLAND IMPACTS

This Plan addresses unavoidable temporary and permanent impacts on wetlands expected to result from construction and operation of the Project. Efforts to avoid and minimize potential impacts on wetlands to the extent practicable were made during the pipeline route selection and design process. Table 4-1 identifies wetland impacts within New York that have been categorized as construction (temporary) or operational (permanent conversion of wetland cover type or filling to create permanent access roads). Temporary construction wetland impacts include temporary clearing and earth disturbance of palustrine forested (PFO) and palustrine scrub-shrub (PSS) wetlands, and earth disturbance of palustrine emergent (PEM) wetlands. Native species replanting of select PFO wetlands with woody vegetation outside the operational ROW, seeding and natural recolonization will allow these areas of temporary impact to return to their previous cover type. Permanent wetland impacts resulting from Project operation include: (1) conversion of some wetlands from one cover type to another and (2) removal of wetlands by filling them to create upland area associated with permanent access roads. Affected PEM (including within the 10-foot permanent maintained operational corridor) and PSS wetlands (except for those within 10-foot permanent maintained operational corridor) will be allowed to revegetate naturally following construction, and Constitution anticipates no permanent conversion of these wetland types as a result of operation of the Project.

Constitution could not assess wetland impacts directly in approximately 14 percent of the Project corridor in New York because landowners denied access to their property. Constitution has not been able to complete formal wetland delineations in those areas but expects to gain access for field delineation once FERC approves the Project. Constitution used remote sensing techniques to estimate wetlands and wetland impacts on inaccessible parcels, and the Plan includes mitigation for the estimated impacts. Comparisons of remotely sensed wetlands to ground-truthed wetlands have shown that remote sensed wetlands are typically overestimated by approximately 30 to 60 percent; therefore, estimates of affected wetland area based on remote sensed wetlands are expected to exceed actual impacts by approximately 30 to 60 percent. Once access is granted, the wetland resources within these parcels will be field delineated, and actual impacts will be determined. Constitution will inform the USACE and NYSDEC as land parcels become accessible and will update the Plan accordingly.

Approximately 20.18 acres of wetlands in New York will be permanently affected by operation and maintenance of the Project; 20.11 acres will be converted from one cover type of wetland to another (Table 4-1). A total of 92.13 acres of wetlands in New York will be affected temporarily during construction. The most prominent wetland type affected by the pipeline is PFO, which accounts for approximately 46.41 acres of construction impact, followed by PEM wetlands at 36.45 acres, and PSS at 29.45 acres. Table 4-1 provides additional detail about these permanent and temporary impacts, summarized per 8-digit Hydrologic Unit Code (HUC) watershed.

The estimates of affected wetlands include 23 wetlands regulated by the NYSDEC under Article 24 (freshwater wetlands) of New York's Environmental Conservation Law. The NYSDEC requires detailed information regarding affected sites, the nature of the impacts, and proposed mitigation presented in a separate report. Appendix A presents the report, NYSDEC Wetland Impacts and Proposed Mitigation, which Constitution submitted to NYSDEC in August 2014 in accordance with NYSDEC's requirements. The NYSDEC-regulated wetlands are included in the overall evaluation of functions and services of affected wetlands in Section 4.1 and the description of overall impacts presented in Section 4.2 of this report.



TABLE 4-1: WETLAND IMPACT SUMMARY FOR NEW YORK¹

| HUC 8 Watershed ¹ | Construction (Temporary + Permanent) (Acres) | | | Temporary Construction Impacts (Acres) ^{2,3} | | Permanent Impacts (Acres) ^{2,3} | | | | | Total (Acres Affected) ^{2,3} | | | |
|------------------------------------|--|-------|-------|---|-------|--|---------------------|---------------|---------------------|---------------|---------------------------------------|---------------|-------|-------|
| watershed | PFO ⁴ | PSS | PEM | PFO ⁴ | PSS | PEM | PFO (Conversion) | PFO (Fill) | PSS (Conversion) | PSS (Fill) | PEM (Conversion) | PEM (Fill) | Temp | Perm |
| Schoharie- Surveyed | 4.37 | 5.87 | 10.29 | 1.48 (1.19) | 5.04 | 10.29 | 1.70 | 0.00 | 0.83 | 0.00 | 0.00 | 0.00 | 18.00 | 2.53 |
| Delaware- Surveyed | 2.19 | 5.33 | 5.17 | 1.20 (0.18) | 4.52 | 5.17 | 0.81 | 0.00 | 0.81 | 0.00 | 0.00 | 0.00 | 11.07 | 1.62 |
| Upper Susquehanna - Surveyed | 22.86 | 12.89 | 11.76 | 4.44 (9.34) | 11.05 | 11.75 | 9.05 | 0.03 | 1.81 | 0.03 | 0.00 | 0.01 | 36.58 | 10.93 |
| Surveyed Subtotal | 29.42 | 24.09 | 27.22 | 7.12 (10.71) | 20.61 | 27.21 | 11.56 | 0.03 | 3.45 | 0.03 | 0.00 | 0.01 | 65.65 | 15.08 |
| Schoharie - Remote | 1.80 | 1.02 | 2.70 | 0.06 (1.21) | 0.89 | 2.70 | 0.53 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 4.86 | 0.66 |
| Delaware - Remote | 0.25 | 0.20 | 2.22 | 0.16 (0.03) | 0.18 | 2.22 | 0.06 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 2.59 | 0.08 |
| Upper Susquehanna - Remote | 14.94 | 4.14 | 4.31 | 2.11 (8.82) | 3.79 | 4.31 | 4.01 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 19.03 | 4.36 |
| Remote Subtotal | 16.99 | 5.36 | 9.23 | 2.33 (10.06) | 4.86 | 9.23 | 4.60 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 26.48 | 5.10 |
| Total | 46.41 | 29.45 | 36.45 | 9.45 (20.77) | 25.47 | 36.44 | 16.16 | 0.03 | 3.95 | 0.03 | 0.00 | 0.01 | 92.13 | 20.18 |

[&]quot;Surveyed" = Ground-truthed Surveyed Wetlands. "Remote" = Remote Sensed Wetlands. Wetlands on inaccessible land parcels were assessed using remote sensing computer models. The remote sensing model is known to overestimate wetlands by approximately 30 to 60 percent. Using this technology ensures that all potential impacts will be mitigated without entering the site. Once access to the property is acquired, wetland boundaries will be verified in the field during wetland delineation. Impact mitigation estimates will be updated and are expected to be lower than estimates based on the remote sensing model.

Source: Surveyed wetland is based on data from Gulf Interstate Engineering (GIE). Remote Sensed wetland is based on data from Applied Ecological Services (AES).

² Columns may not sum exactly due to rounding of values in individual cells.

These numbers include impacts associated with access roads and the pipeline construction and operation corridors.

⁴ A portion of temporary impacts, shown in parentheses in the table on high quality PFO wetland will be minimized through active on-site restoration of construction impact areas outside the operational ROW. High quality PFO habitats were identified using field data and GIS analysis by locating PFO habitat within or adjacent to undeveloped and contiguous habitat with no mapped invasive species, or any wetland occurring within a NYSDEC-regulated wetland. These wetlands will be replanted using a native species planting plan included in Section 6.1.



4.1 EVALUATION OF EXISTING WETLAND FUNCTIONS AND SERVICES

Wetland functions and services play an important role in the development of a wetland mitigation plan with respect to selection and design of mitigation opportunities and sites. Wetland functions and services were assessed using the USACE descriptive (qualitative) approach (USACE, 1999). Using that approach, wetland scientists identify principal functions based on a wide variety of wetland characteristics and considerations, including soil type, wetland landscape position, wetland configuration, vegetative cover, and associated surface water features.

An assessment of existing wetland functions and services was completed for each identified wetland crossed by the Project. Both principal (most important) and secondary (occurring, but not at the principal level) functions and services were assessed. The assessment for 86 percent of the pipeline length within New York is based on a combination of field delineations and desk-top evaluations. The remaining 14 percent of the proposed pipeline corridor used only desk top information and could not be field verified due to lack of access. In areas of no access, remote sensed data were used to estimate the location and extent of wetlands. A thorough review of wetland data forms (surveyed parcels only), soils information, topographic information, aerial imagery, and hydrography in conjunction with USACE function and value qualifiers and considerations allowed evaluators to identify the important wetland characteristics. Identifying these characteristics allowed the assignment of both principal and secondary functions and services. A geo-database containing this information was developed to assess wetland functions and services qualitatively and quantitatively in relation to impacts within a specific watershed with an eight-digit HUC.

The USACE's descriptive approach recognizes eight functions and five services:

Functions

- Groundwater Recharge/Discharge
- Flood Flow Alteration
- Fish and Shellfish Habitat
- Sediment/Toxicant/Pathogen Retention
- · Nutrient Removal/Retention/Transformation
- Production Export
- · Sediment/Shoreline Stabilization
- Wildlife Habitat

Services

- Recreation
- Educational/Scientific Value
- Uniqueness/Heritage
- Visual Quality/Aesthetics
- · Threatened or Endangered Species Habitat



A total of 1,103 wetlands within the Project area in New York were assessed for functions and services; 293 were surveyed wetlands, and 810 were remote sensed wetlands. Section 4.1.1 summarizes the surveyed functions, and Section 4.1.2 summarizes the services of affected wetlands. Appendix B includes tables of identified wetland functions and services for both surveyed and remote sensed wetlands.

4.1.1 Functions of Affected Wetlands

4.1.1.1 Groundwater Recharge/Discharge

The USACE's descriptive approach evaluates the groundwater recharge/discharge function based on a wetland's ability to serve as recharge/discharge to the groundwater table. Recharge typically relates to the potential for the wetland to contribute to an aquifer; discharge relates to the ability of the wetland to serve as an area where groundwater can be discharged at the surface (USACE, 1999).

Within the proposed pipeline route, wetlands with groundwater recharge or discharge as a principal component are most often located within sand or gravel deposits or are associated with waterbodies or springs. Wetlands that are formed in dense and less permeable glacial till or glaciolacustrine sediments (e.g., silt and clay) typically have reduced groundwater functions because surface water may be perched above the regional groundwater table.

Constitution identified 57 affected wetlands that provide the groundwater recharge/discharge function. Six of these wetlands provide the function at the principal level, and it occurs as a secondary function in the remaining 51wetlands. Wetlands providing this function are a combination of PEM, PSS, and PFO wetlands and are commonly associated with watercourses or spring discharges. Much of the area is dominated by fine materials (silt/clay) and dense till (Constitution, 2013a). Areas dominated by sand and gravel are primarily restricted to areas of glacial outwash or recent alluvial materials deposited along existing river valleys (e.g., the Susquehanna River and tributaries).

4.1.1.2 Flood Flow Alteration

The flood flow alteration function concerns the wetland's effectiveness for reducing flood damage through the attenuation of flood water for prolonged periods following a precipitation event (USACE, 1999). Along the proposed pipeline route, wetlands associated with permanent waterbodies (e.g., streams and rivers) and wetlands located within the upper portion of the sub-watershed that also have the potential for storage capacity (e.g., hydric soils, basin configuration, restricted wetland outlet) provide flood-flow functions.

Based on the analysis, 21 wetlands provide flood-flow alteration, two wetlands which provide it as a principal function. Wetlands that provide this function are often associated with watercourses containing alluvial soils. These wetlands include a mixture of PEM, PSS, and PFO systems. The 19 remaining wetlands provide this as a secondary function and are typically basin landforms with the potential to attenuate run-off for higher order streams. During high-water conditions, these wetlands are able to store flood waters and slowly release them to sustain base flow conditions. Wetlands in the vicinity of agricultural lands or roadways offer important flood control functions as they are able to intercept overland run-off or sheet flow from surrounding upland areas.





4.1.1.3 Fish and Shell Fish Habitat (Freshwater)

The fish and shellfish habitat function concerns the effectiveness of seasonal or permanent waterbodies associated with the wetland for providing habitat for fish and shellfish (USACE, 1999). This function requires the wetland to be associated with a watercourse or waterbody and to provide adequate size, depth, water quality, spawning areas, food sources, and cover to support fish or shellfish.

No affected wetlands were identified as providing freshwater fish or shellfish habitat as a principal function. One affected wetland provides this function at the secondary level; it is associated with watercourses and includes PEM and PSS wetland types.

4.1.1.4 Sediment/Toxicant/Pathogen Retention, Nutrient Removal/Retention, and Production Export

Wetlands identified as providing these important functions for improving water quality include those located on level terrain that allow for long water retention times as a result of low gradient flow through. Diffuse drainage through dense wetland vegetation also contributes to the ability to provide these functions. Wetlands that provide water quality functions at the principal level often occur adjacent to roadways or agricultural fields and retain sediment and nutrients from overland run-off.

The sediment/toxicant/pathogen retention function relates to the effectiveness of the wetland for trapping sediment, toxins, or pathogens. The key qualifier for these wetlands is the presence of potential sediment and nutrient sources up-gradient from these wetlands (e.g., agriculture), long water retention times (e.g., low gradient), and dense wetland vegetation. Constitution identified 203 affected wetlands that provide this function. Forty-six of these provide the function at the principal level; the remaining 157 wetlands provide it at the secondary level.

The nutrient removal/retention/transformation function relates to the effectiveness of a wetland for preventing the adverse impacts of excess nutrients entering waterbodies (i.e., ponds, lakes, or rivers). Wetlands that provide this function are primarily located in areas with the potential for excess nutrients, where wetlands are saturated for most of the season, consist of organic or fine-grained (silt/clay) mineral soils, and support dense emergent or woody vegetation. A significant portion of the proposed pipeline route bisects areas that are predominantly agricultural and have soil dominated by fine surficial materials (silt/clay). The potential for nutrient run-off within these areas is great due to the slow infiltration rate resulting from dense parent materials, the application of fertilizers, and the presence of livestock. A total of 213 wetlands provide the nutrient removal/retention/transformation function; 58 of those provide it as a principal function, and the remaining 155 wetlands provide it at the secondary level. Wetland types include PEM, PSS, and PFO. The largest number of wetlands with the capacity to retain nutrients occurs within the upper Susquehanna watershed.

Production export reflects the wetland's ability to produce food or usable products for humans or other living organisms (USACE, 1999). No affected wetland provides production export as a principal function. Nine wetlands provide this function at the secondary level.

4.1.1.5 Sediment/Shoreline Stabilization

The sediment/shoreline stabilization function relates to the effectiveness of the wetland for stabilizing stream banks and shorelines against erosion. Nineteen affected wetlands provide this function; four provide it at the principal level, and the remaining 15 provide it at the secondary level. All are associated with watercourses. These wetlands stabilize banks and sediment because of the presence of dense wetland vegetation or terraces (i.e., by geomorphic position) that reduce energy during periods of increased flow, thereby decreasing the potential for bank erosion and mobilization of sediments.

4.1.1.6 Wildlife Habitat

The wildlife habitat function concerns the effectiveness of the wetland for providing habitat for various types and populations of animals typically associated with wetlands and wetland edges. Both resident and migratory species are considered (USACE, 1999).

This is the most commonly occurring wetland function identified during the assessment. A total of 245 affected wetlands provide wildlife habitat as a function; 115 provide it at the principal level, and the remaining 130 provide it at the secondary level. Most wetlands that provide a benefit to wildlife have not been significantly degraded by human activity and provide diverse habitats for wildlife forage or cover or both. Wetlands providing this function are typically part of larger wetland complexes or are adjacent to larger undeveloped tracts of land that provide connectivity to other habitats (and allow for unhindered movement of wildlife). The upper Susquehanna watershed accounts for the greatest number of wetlands with wildlife habitat and the greatest percent of wetlands (relative to the other two HUC-8 watersheds) that provide this function at the principal level due to the fact that a greater percentage of the landscape in the upper Susquehanna consists of contiguous forest.

4.1.2 Services of Affected Wetlands

4.1.2.1 Recreation (Consumptive and Non-Consumptive)

Recreation services concern the effectiveness of the wetland and associated watercourses for providing opportunities for recreational activities such as canoeing, boating, hunting, fishing, and other active or passive recreational activities (USACE, 1999).

Lands along the proposed pipeline are privately held, and in most cases public access is not allowed. Two affected wetlands provide recreation services at the principal level and 14 affected wetlands provide recreation at the secondary level. One wetland (SC-1H-W253) occurs in the Clapper Hollow State Forest in Schoharie County. Recreation was observed to occur in several wetlands along waterways, but no information is known about access to these areas; therefore, recreation was not identified as a principal service of those wetlands.

4.1.2.2 Educational/Scientific Value and Visual Quality/Aesthetics

The education/scientific services relate to the effectiveness of the wetland as a site for an "outdoor classroom" or as a location for scientific study. Visual quality and aesthetics relate to the scenic value of the wetland (USACE, 1999). Given the lack of public access to most of the wetlands evaluated along the proposed pipeline, no wetlands were identified as providing educational or scientific services.



One wetland (DE-1P-W052) was identified as providing visual quality as a principal service. Seven wetlands provide visual quality as a secondary service and are associated with watercourses. As is the case for most wetlands reviewed during the analysis, public access to these six wetlands is limited, and viewing opportunities are minimal.

4.1.2.3 Threatened or Endangered Species Habitat

The threatened or endangered species service relates to the effectiveness of the wetland or associated watercourses for supporting threatened or endangered species (USACE, 1999).

Based on agency inquiries and rare plant and wildlife surveys completed on parcels that Constitution can access on foot (Constitution, 2012a, 2012b), no habitat for threatened or endangered species has been identified within any wetlands included within the analysis. Constitution expects to gain access for rare plant and wildlife surveys to inaccessible properties subsequent to the issuance of the Certificate of Public Convenience and Necessity, if FERC approves the Project.

4.2 IMPACTS ON WETLAND FUNCTIONS AND SERVICES

Approximately 65% of the wetland disturbance occurring within the ROW (i.e., affected wetlands) resulting from pipeline operation maintenance and construction involves wetlands that are small and are associated with agricultural fields, roadside ditches, or hedgerows. The remaining 35% of wetlands are of higher quality in undisturbed areas or are associated with NYSDEC wetlands. Sections 4.1.1 and 4.1.2 provide information on the affected wetlands that have compromised functions and services in the existing condition. These wetlands are characterized by little diversity of wetland vegetation, limited flood storage capacity, limited wildlife habitat, and reduced water retention times (e.g., ditching). Use of these wetlands for recreational, educational, or scientific activities, or heritage and visual aesthetic services is also limited due to access restrictions (i.e., private ownership). Wetlands that contribute more functions and services at the principal level are associated with waterbodies, connected wetland systems, and larger tracts of undeveloped forest.

This Plan focuses on sites and approaches that best address affected principal functions and services; secondary functions and services also were considered in developing the Plan. The most commonly occurring principal functions and services are wildlife habitat and water quality (i.e., nutrient removal/retention and sediment retention). As described in Section 5, Constitution's approach to identifying and selecting proposed mitigation sites included ensuring that affected principal functions and services are replaced in kind.

The following sections describe affected functions and services resulting from the Project by impact type:

- Permanent Fill Impacts are those that remove wetland and replace it with upland. All wetland functions and services are lost.
- Permanent Conversion Impacts are those that will be incurred during operation of the pipeline
 and pipeline facilities. Permanent conversion results in a partial loss of function (e.g., wildlife
 habitat) as the structure of the wetland is modified by clearing woody vegetation. Some functions
 and services will remain, regardless of clearing. Emergent wetlands, for example, will still



provide water quality functions after trees are removed. Permanent conversion results in no loss of wetland area; however, it modifies the functions and services provided by the altered wetland.

Temporary Construction Impacts – are those that will be incurred during construction of the pipeline and do not include permanent fill or permanent conversion impacts. Impacts related to construction result in no permanent loss of wetland area or functions and services but are temporal interruptions of some wetland functions and services. These impacts include temporary conversion, temporary fill, or temporary matting. Temporary wetland conversion impacts within New York primarily affect wildlife habitat and water quality functions (i.e., due to the temporal loss while forest returns). In the case of temporary construction impacts on PFO, a combination of native plantings and natural recolonization (e.g. sucker sprouting in areas that are cut but not grubbed) will restore these to a forested condition. Affected functions will be modified temporarily until vegetation re-grows.

Impacts include surveyed data as well as remote sensing data.

4.2.1 Schoharie Watershed

4.2.1.1 Permanent Fill Impact

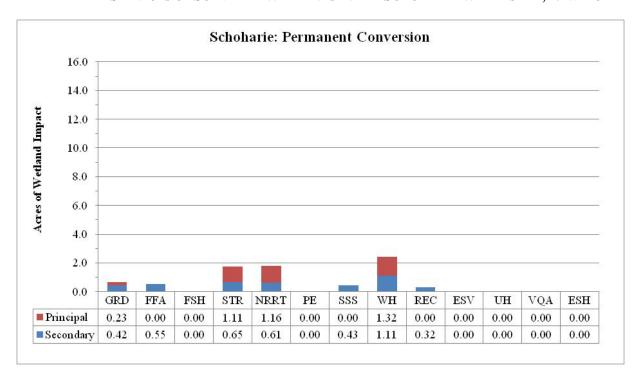
There are no permanent fill impacts in the Schoharie Watershed.

4.2.1.2 Permanent Conversion Impacts

Permanent conversion in the Schoharie Watershed accounts for 2.53 acres of total impacts on surveyed wetlands (1.70 acres within PFO and 0.83 acres within PSS). Figure 4-1 summarizes the analysis of permanent conversion impacts on principal and secondary functions and services of surveyed wetlands within the Schoharie Watershed. The proposed Project will affect 1.32 acres of wildlife habitat, 1.11 acres of sediment/toxicant retention, 1.16 acres of nutrient retention/transformation, and 0.23 acres of groundwater recharge/discharge of principle functions in the Schoharie Watershed. In addition, impacts occur within areas providing the following functions and services at the secondary level: 1.11 acres if wildlife habitat, 0.42 acres of groundwater recharge/discharge, 0.55 acres of floodflow alteration , 0.65 acres of sediment/toxicant retention, 0.61 acres of nutrient removal and retention, 0.43 acres of sediment/shoreline stabilization, and 0.32 acres of recreation..

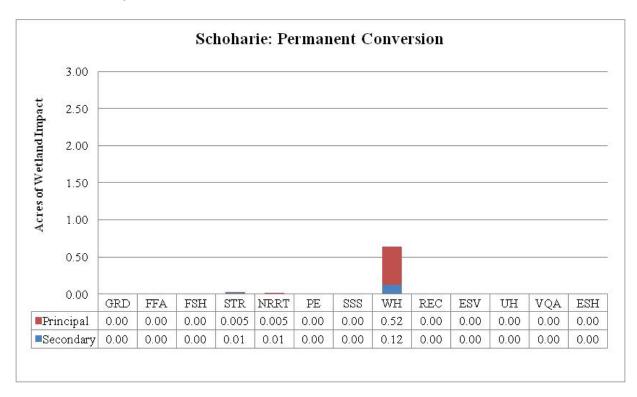


FIGURE 4-1: SUMMARY OF PERMANENT CONVERSION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF SURVEYED WETLANDS IN THE SCHOHARIE WATERSHED, NEW YORK



The analysis of permanent conversion impacts on remote sensed wetlands within the Schoharie Watershed indicates a total of 0.66 acres of affected wetland (0.53 acres within PFO and 0.13 acres within PSS). Permanent wetland conversion in remote sensed wetlands primarily affects wildlife habitat and some water quality functions at the principle level. Figure 4-2 summarizes results of the analysis of affected principal functions and services for remote sensed wetlands and shows 0.52 acres of impact on wildlife habitat and less than 0.01 acres of impact on both sediment and toxicant retention and nutrient retention/removal. Few secondary functions are impacted, and include 0.01 acres of impact to both sediment and toxicant retention and nutrient retention/removal.

FIGURE 4-2: SUMMARY OF PERMANENT CONVERSION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF REMOTE SENSED WETLANDS IN THE SCHOHARIE WATERSHED, NEW YORK



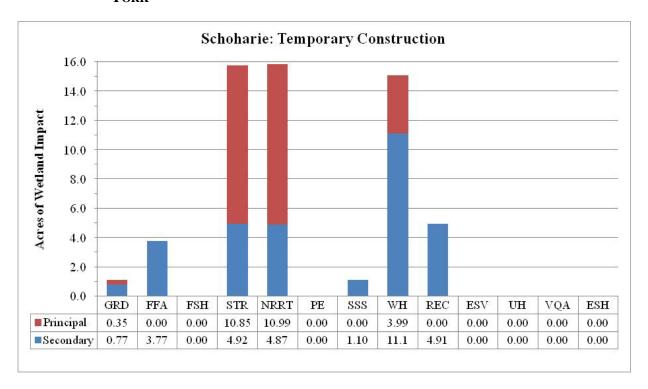
Groundwater Recharge/Discharge (GRD), Floodflow Alteration (FFA), Fish and Shellfish Habitat (FSH), Sediment/Toxicant Retention (STR), Nutrient Removal and Retention (NRRT), Production Export (PE), Sediment/Shoreline Stabilization (SSS), Wildlife Habitat (WH), Recreation (REC), Educational/Scientific Value (ESV), Uniqueness/Heritage (UH), Visual Quality and Aesthetics (VQA), Endangered Species Habitat (ESH)

4.2.1.3 Temporary Construction Impacts

Temporary construction impacts account for 18.0 acres of total impacts on surveyed wetlands within the proposed pipeline corridor in the Schoharie Watershed (2.67 acres within PFO, 5.04 acres within PSS, and 10.29 acres within PEM). Figure 4-3 summarizes the analysis of temporary construction impacts on principal and secondary functions and services of surveyed wetlands. Impacts to principle functions include 10.99 acres of nutrient retention, 10.85 acres of sediment retention, 3.99 acres of wildlife habitat, and 0.35 acres of groundwater recharge/discharge. Impacts to secondary functions include 11.1 acres of wildlife habitat, 4.92 acres of sediment retention, 4.87 acres of nutrient retention, 4.91 acres of recreation, 3.77 acres of floodflow attenuation, 1.10 acres of sediment and shoreline stabilization, and 0.77 acres of groundwater recharge/discharge.



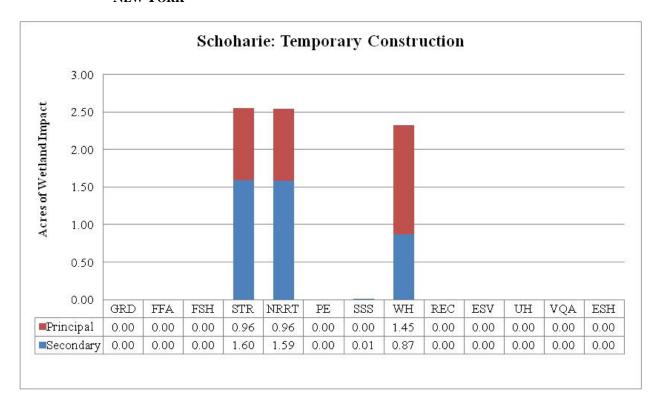
FIGURE 4-3: SUMMARY OF TEMPORARY CONSTRUCTION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF SURVEYED WETLANDS IN THE SCHOHARIE WATERSHED, NEW YORK



The analysis of temporary construction impacts on the functions and services of remote sensed wetlands indicates a total of 4.86 acres of affected wetland (1.27 acres within PFO, 0.89 acres within PSS, and 2.70 acres within PEM). Temporary construction impacts identified in remote sensed wetlands primarily affect water quality and wildlife habitat functions. Figure 4-4 provides results from the analysis of impacts on principal functions and services for remote sensed impacts and shows 0.96 acres of impact on sediment and toxicant retention, 0.96 acres of impact on nutrient retention/removal, and 1.45 acres of impact on wildlife habitat. Secondary functional impacts are primarily to water quality (0.96 acres to both nutrient removal and sediment/toxicant retention) and wildlife habitat functions (0.87 acres), with some impacts of sediment and shoreline stabilization (0.01 acres).



FIGURE 4-4: SUMMARY OF TEMPORARY CONSTRUCTION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF REMOTE SENSED WETLANDS IN THE SCHOHARIE WATERSHED, NEW YORK





4.2.2 Upper Delaware Watershed

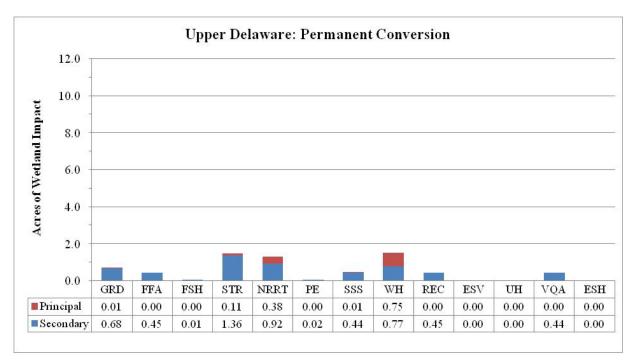
4.2.2.1 Permanent Fill Impact

There are no permanent fill impacts in the Upper Delaware Watershed.

4.2.2.2 Permanent Conversion Impacts

Based on the proposed alignment of the pipeline corridor, permanent conversion accounts for 1.62 acres of total impacts on surveyed wetlands (0.81 acres within PFO and 0.81 acres within PSS). Figures 4-5 summarizes the analysis of permanent conversion impacts on principal and secondary functions and services of surveyed wetlands within the Upper Delaware Watershed. The proposed Project will affect 0.01 acres of groundwater recharge/discharge, 0.11 acres of sediment/toxicant retention, 0.38 acres of nutrient retention/transformation, 0.75 acres of wildlife habitat, and 0.01 acres of sediment/shoreline stabilization at the principle level. In addition, impacts occur within areas providing the following functions and services at the secondary level: fish and shellfish habitat (0.01 acres), recreation (0.45 acres), and visual quality (0.44 acres).

FIGURE 4-5: SUMMARY OF PERMANENT CONVERSION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF SURVEYED WETLANDS IN THE UPPER DELAWARE WATERSHED, NEW YORK

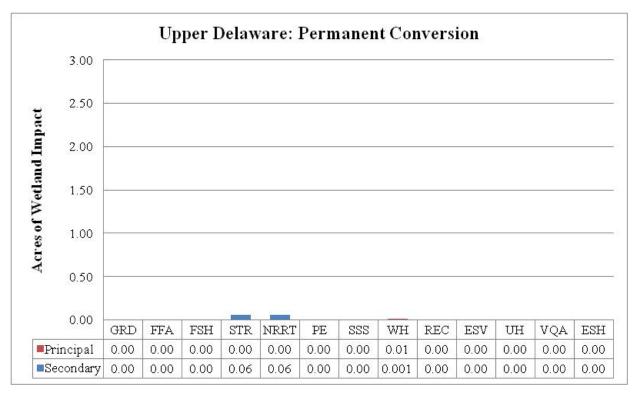


Groundwater Recharge/Discharge (GRD), Floodflow Alteration (FFA), Fish and Shellfish Habitat (FSH), Sediment/Toxicant Retention (STR), Nutrient Removal and Retention (NRRT), Production Export (PE), Sediment/Shoreline Stabilization (SSS), Wildlife Habitat (WH), Recreation (REC), Educational/Scientific Value (ESV), Uniqueness/Heritage (UH), Visual Quality and Aesthetics (VQA), Endangered Species Habitat (ESH)



The analysis of permanent conversion impacts on remote sensed wetlands within the Upper Delaware Watershed indicates a total of 0.08 acres of affected wetland (0.06 acres within PFO and 0.02 acres within PSS). Permanent wetland conversion in remote sensed wetlands primarily affects wildlife habitat and some water quality functions. Figure 4-6 summarizes results of the analysis of permanent conversion impacts on affected principal and secondary functions and services for remote sensed wetlands. The results show 0.01 acres of impact on wildlife habitat at the principle level. Secondary function impacts are limited to 0.06 acres on nutrient removal and sediment/toxicant retention.

FIGURE 4-6: SUMMARY OF PERMANENT CONVERSION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF REMOTE SENSED WETLANDS IN THE UPPER DELAWARE WATERSHED, NEW YORK



Groundwater Recharge/Discharge (GRD), Floodflow Alteration (FFA), Fish and Shellfish Habitat (FSH), Sediment/Toxicant Retention (STR), Nutrient Removal and Retention (NRRT), Production Export (PE), Sediment/Shoreline Stabilization (SSS), Wildlife Habitat (WH), Recreation (REC), Educational/Scientific Value (ESV), Uniqueness/Heritage (UH), Visual Quality and Aesthetics (VQA), Endangered Species Habitat (ESH)

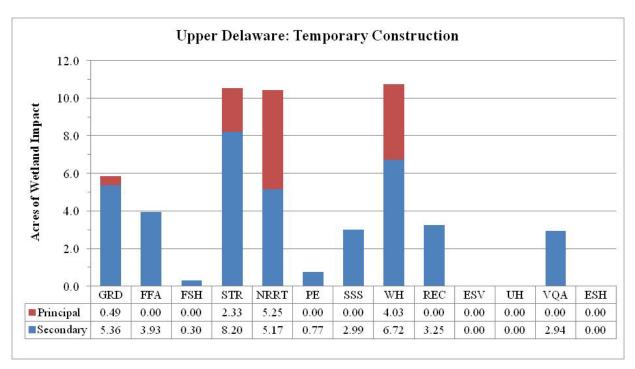
4.2.2.3 Temporary Construction Impacts

Temporary construction impacts account for 11.07 acres of total impacts on surveyed wetlands within the proposed pipeline corridor in the Upper Delaware Watershed (1.38 acres within PFO, 4.52 acres within PSS, and 5.17 acres within PEM). Figures 4-7 summarizes the analysis of temporary construction impacts on principal and secondary functions and services of surveyed wetlands. Based on the analysis impacts to



principle functions are primarily to 4.03 acres of wildlife habitat, 5.25 acres of nutrient removal and retention, 2.33 acres of Sediment and toxicant retention, and 0.49 acres of groundwater recharge/discharge. Impacts to secondary functions and services include8.20 acres of sediment and toxicant retention, 5.71 acres of nutrient removal, 6.72 acres of wildlife habitat, 0.49 acres of groundwater recharge/discharge, 3.93 acres of floodflow attenuation, 3.25 acres of recreation, 2.99 acres of sediment and shoreline stabilization, 2.94 acres of visual quality and aesthetics, 0.77 acres of production export, and 0.30 acres of fish and shellfish habitat.

FIGURE 4-7: SUMMARY OF TEMPORARY CONSTRUCTION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF SURVEYED WETLANDS IN THE UPPER DELAWARE WATERSHED, NEW YORK

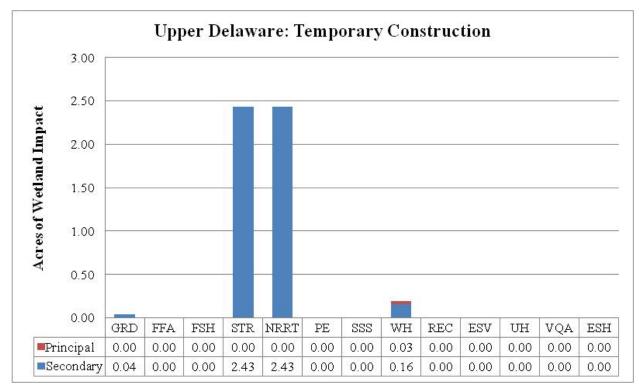


Groundwater Recharge/Discharge (GRD), Floodflow Alteration (FFA), Fish and Shellfish Habitat (FSH), Sediment/Toxicant Retention (STR), Nutrient Removal and Retention (NRRT), Production Export (PE), Sediment/Shoreline Stabilization (SSS), Wildlife Habitat (WH), Recreation (REC), Educational/Scientific Value (ESV), Uniqueness/Heritage (UH), Visual Quality and Aesthetics (VQA), Endangered Species Habitat (ESH)

The analysis of temporary construction impacts on the functions and services of remote sensed wetlands indicates a total of 2.59 acres of affected wetland (0.19 acres within PFO, 0.18 acres within PSS, and 2.22 acres within PEM). Temporary construction impacts identified in remote sensed wetlands primarily affect secondary wildlife habitat and water quality functions. Figure 4-8 provides results from the analysis of impacts on principal and secondary functions and services for remote sensed impacts. Temporary construction affects 0.03 acres of wildlife habitat at the principal level. Temporary construction impacts are primarily to secondary level functions, including 0.16 acres of impact on wildlife habitat, 2.43 acres of impact on sediment and toxicant retention, 2.43 acres of impact on nutrient retention/removal, and 0.04 acres on groundwater recharge/discharge.



FIGURE 4-8: SUMMARY OF TEMPORARY CONSTRUCTION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF REMOTE SENSED WETLANDS IN THE UPPER DELAWARE WATERSHED, NEW YORK



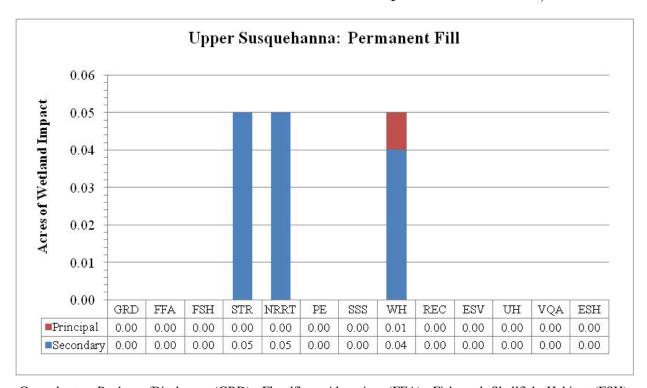
4.2.3 Upper Susquehanna Watershed

4.2.3.1 Permanent Fill Impact

Permanent fill impacts totaling 0.07 acres occur within five wetlands, associated with proposed Permanent Access Road (PAR) 36, PAR 40, and PAR 48B in the Upper Susquehanna Watershed. The fill results in the loss of both wetland area and the associated functions and services. The wetlands impacted are PEM, PSS, and PFO. Most wetlands are associated with agricultural activity and occur in the towns of Masonville, Sidney, and Davenport. The affected wetlands provide water quality functions (i.e., sediment/toxicant retention and nutrient retention/transformation) at the secondary level. Impacts to wildlife habitat (0.01 acres) are the only impacts to principle functions resulting from the placement of fill. Impacted secondary functions include 0.05 acres to both sediment retention and nutrient removal. In general these wetlands are of low quality because of agricultural and adjacent land use; nevertheless, functions provided by these wetlands will be permanently lost as a result of proposed fill.



FIGURE 4-9: SUMMARY OF PERMANENT FILL IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF SURVEYED WETLANDS IN THE UPPER SUSQUEHANNA WATERSHED, NEW YORK



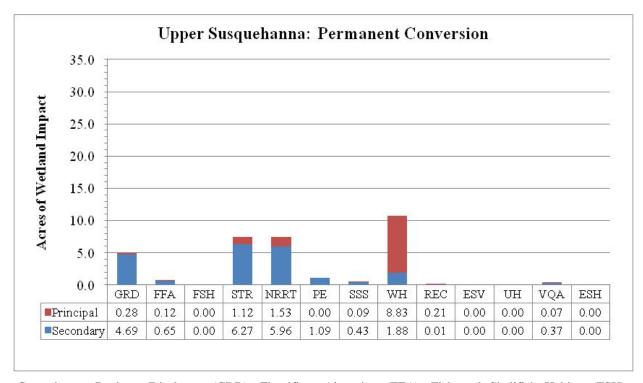
4.2.3.2 Permanent Conversion Impacts

Based on the proposed alignment of the pipeline corridor, permanent conversion accounts for 10.86 acres of total impacts on surveyed wetlands (9.05 acres within PFO and 1.81 acres within PSS).

Figure 4-10 summarizes the analysis of permanent conversion impacts on principal and secondary functions and services of surveyed wetlands within the Upper Susquehanna Watershed. The proposed Project will affect the following principal level functions in the Upper Susquehanna Watershed: 8.83 acres of wildlife habitat, 1.12 acres of sediment/toxicant retention, 1.53 acres of nutrient retention/transformation, 0.09 acres of sediment/shoreline stabilization, 0.21 acres of recreation, 0.28 acres of groundwater recharge/discharge, 0.12 acres of flood flow attenuation, and 0.07 acres of visual quality and aesthetics. In addition, impacts occur within areas providing the following functions and services at the secondary level: groundwater recharge/discharge (4.69 acres), recreation (0.01 acres), and visual quality and aesthetics (0.37 acres).



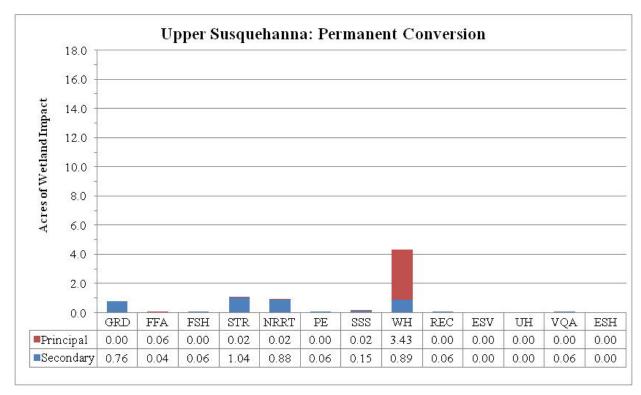
FIGURE 4-10: SUMMARY OF PERMANENT CONVERSION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF SURVEYED WETLANDS IN THE UPPER SUSQUEHANNA WATERSHED, NEW YORK



The analysis of permanent conversion impacts on remote sensed wetlands within the Upper Susquehanna Watershed indicates a total of 4.36 acres of affected wetland (4.01 acres within PFO and 0.35 acres within PSS). Permanent wetland conversion in remote sensed wetlands primarily affects wildlife habitat and some water quality functions. Figure 4-11 summarizes results of the analysis of permanent cover type conversion on affected principal and secondary functions and services for remote sensed wetlands. The analysis shows the following impacts to principal functions and service: 3.43 acres of impact on wildlife habitat, 0.02 acres of impact on both sediment/toxicant retention and nutrient retention/transformation, 0.06 acres of impact on floodflow alteration, and 0.02 acres of impact to sediment and shoreline stabilization. Impacts to secondary functions include 1.04 acres if sediment retention, 0.88 acres of nutrient retention, 0.89 acres of wildlife habitat, 0.76 acres of groundwater recharge/discharge, 0.015 acres of sediment and shoreline stabilization, 0.06 acres of production export, 0.06 acres of fish and shellfish habitat, 0.06 acres of visual quality and aesthetics, 0.06 acres of recreation, and 0.04 acres of floodflow attenuation.



FIGURE 4-11: SUMMARY OF PERMANENT CONVERSION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF REMOTE SENSED WETLANDS IN THE UPPER SUSQUEHANNA WATERSHED, NEW YORK

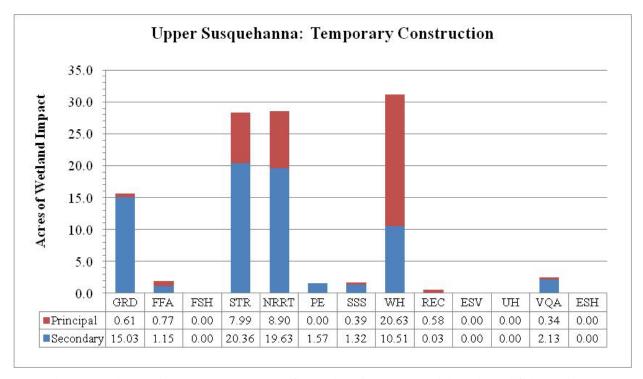


4.2.3.3 Temporary Construction Impacts

Temporary construction impacts account for 36.58 acres of total impacts on surveyed wetlands within the proposed pipeline corridor in New York (13.78 acres within PFO, 11.05 acres within PSS, and 11.75 acres within PEM). Figures 4-12 summarizes the analysis of temporary construction impacts on principal and secondary functions and services of surveyed wetlands. Impacts to principle functions are primarily to wildlife habitat and water quality functions. Principle function impacts include: 20.36 acres of wildlife habitat, 8.90 acres of nutrient removal, 7.99 acres of sediment retention, 0.77 acres of floodflow attenuation, 0.61 acres of groundwater recharge/discharge, 0.58 acres of recreation, 0.39 acres of sediment and shoreline stabilization, and 0.34 acres of visual quality and aesthetics. Impacted secondary functions include: 20.36 acres of sediment retention, 19.63 acres of nutrient retention, 15.03 acres of groundwater recharge/discharge, 10.51 acres of wildlife habitat, 2.13 acres of visual quality and aesthetics, 1.57 acres of production export, 1.32 acres of sediment and shoreline stabilization, 1.15 acres of floodflow attenuation, and 0.03 acres of recreation.



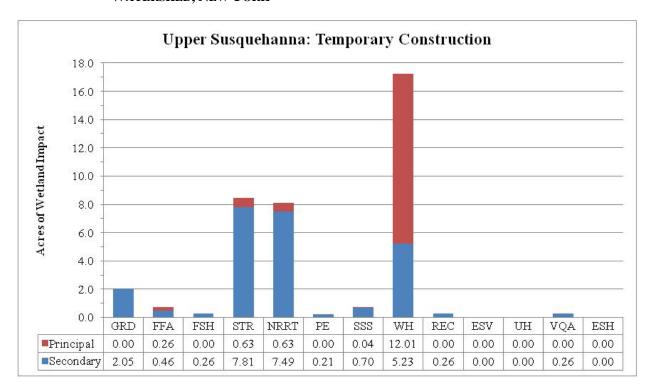
FIGURE 4-12: SUMMARY OF TEMPORARY CONSTRUCTION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF SURVEYED WETLANDS IN THE UPPER SUSQUEHANNA WATERSHED, NEW YORK



The analysis of temporary construction impacts on the functions and services of remote sensed wetlands indicates a total of 19.03 acres of affected wetland (10.93 acres within PFO, 3.79 acres within PSS, and 4.31 acres within PEM). Temporary construction impacts identified in remote sensed wetlands primarily affect wildlife habitat and water quality functions. Figure 4-13 provides results from the analysis of temporary construction impacts on principal and secondary functions and services for remote sensed wetlands. Temporary impacts to principal functions and services include 12.01 acres of impact on wildlife habitat, 0.63 acres of impact on both sediment/toxicant retention and nutrient retention/transformation, 0.04 acres of sediment/shoreline stabilization and 0.26 acres of impact to floodflow alteration. Secondary impacts include: 7.81 acres of sediment retention, 7.49 acres of nutrient removal, 5.23 acres of wildlife habitat, 2.05 acres of groundwater recharge/discharge, 0.70 acres of sediment and shoreline stabilization, 0.46 acres of floodflow attenuation, 0.26 acres of fish and shellfish habitat, 0.26 acres of recreation, 0.26 acres of visual quality and aesthetics, and 0.21 acres of production export.



FIGURE 4-13: SUMMARY OF TEMPORARY CONSTRUCTION IMPACTS ON WETLANDS FUNCTIONS AND SERVICES OF REMOTELY SENSED WETLANDS IN THE UPPER SUSQUEHANNA WATERSHED, NEW YORK





5.0 APPROACH TO DEVELOPING MITIGATION

5.1 FEDERAL REGULATORY AUTHORITY

Compensatory mitigation is required to replace the loss of the functions of wetlands, streams, or other aquatic resources as a result of unavoidable impacts. The USACE is responsible for determining the appropriate form and amount of compensatory mitigation required, according to the Compensatory Mitigation for Losses of Aquatic Resources, Final Rule (DOD and EPA, 2008), as discussed in Section 1.0. The USACE New York and Buffalo Districts will review this Plan and the associated permit application to determine that sufficient compensatory mitigation is provided in New York. The USACE New York District is the lead district for the proposed Project and also will assess compensatory mitigation for the entire Project.

The U.S. Fish and Wildlife Service (USFWS) administers the Endangered Species Act and the Fish and Wildlife Coordination Act for non-anadromous freshwater species through the Federal permitting/approval processes, such as those associated with the National Environmental Policy Act (NEPA) and Section 404/401 of the CWA. Constitution engaged in consultation with the USFWS New York Field Offices regarding the proposed mitigation sites. This resulted in no federally listed threatened, endangered, or candidate fish species are known to occur in the Project area (Constitution, 2013b).

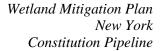
Section 106 of the National Historic Preservation Act (NHPA) is administered by the Bureau of Historic Preservation and in New York by the State Office of Parks, Recreation, Historic Preservation and the State Historic Preservation Office, and the Tribal Historic Preservation Office, under Section 101(a) of the NHPA. Constitution engaged in consultation with these agencies. It was determined that none of the selected sites have cultural artifacts or structures of historical significance, or fall on tribal land.

5.2 PLANNED APPROACH AND COORDINATION

Categories of potential mitigation techniques range from mitigation banking to preservation, each requiring differing approaches and compensation scenarios. After minimizing disturbance of wetlands and planning to restore impacted wetlands on-site to the greatest extent practicable, Constitution identified mitigation opportunities in each category and then selected options with the greatest potential for success. The major categories of mitigation techniques are:

- Mitigation banking (not currently available)
- In-lieu fee
- Restoration
- Establishment (creation)
- Enhancement
- Preservation

Constitution identified and developed specific mitigation opportunities and worked closely with agencies and stakeholders to formulate a mitigation plan that meets the applicable federal and state regulatory requirements. The plan is consistent with the Compensatory Mitigation for Losses of Aquatic Resources, Final Rule (DOD and EPA, 2008). First, the pipeline route and design avoids and minimizes impacts.





Where impacts are unavoidable, Constitution made every effort to seek out available in-lieu fee programs and wetland banking opportunities. A viable in-lieu fee program was identified, but no banks were found identified in the pipeline corridor.

Constitution then consulted local agencies, towns, townships, and NGOs (i.e., Soil and Water Conservation Districts, The Wetland Trust, the Upper Susquehanna Coalition, The Nature Conservancy and Trout Unlimited) to identify candidate sites for permittee-responsible mitigation in the HUC-8 watershed the pipeline is proposed to cross. In an effort to satisfy applicable federal and state mitigation requirements, Constitution used aerial photographs and real estate listings to investigate the availability of large properties in the appropriate watershed, in areas with appropriate hydrology and soils, and in areas that are likely to provide important watershed-scale gains in wetland functions and services. The objective of this process was to identify mitigation that satisfies applicable federal and state permitting requirements and replaces the affected functions and services.



6.0 MITIGATION PLAN

The vast majority of the unavoidable impacts associated with the Project are either temporary or involve a permanent change in wetland structure and function as a result of conversion of vegetation cover type. Fill, or permanent loss of wetland area, is very limited for this Project, as described in Section 4. Specifically, proposed fill impacts in New York are limited to approximately 0.07 acres or less than 0.10 acre. As such, the proposed mitigation package results in a net gain in wetland area, rather than a net loss.

Furthermore, the proposed mitigation package includes wetlands along headwater stream corridors, and in accordance with the USACE watershed approach, the package preserves, enhances, establishes and restores wetland functions within the larger, connected wetland complex. Wetland functions were identified for all impacted wetlands (Section 4), regardless of wetland impact type. Mitigation designs incorporate features to address specific wetland functions (e.g., shallow scrape to slow and store runoff and trap sediment as well as provide wildlife habitat) to ensure that the "functional lift" associated with the proposed mitigation projects address the specific functions being impacted. In the case of the Upper Susquehanna watershed, Constitution is using a USACE-approved in-lieu fee (ILF) mechanism so, unlike the Upper Delaware and Schoharie watersheds, specific functions are not identified for the mitigation; rather, Constitution has reserved the amount of credits it believes are needed to ensure that impacted functions are replaced in this watershed.

Section 6.2 and the specific mitigation plans provided in Appendix C provide detailed information of the specific mitigation approach and associated gains in wetland functions and services.

6.1 ON-SITE MINIMIZATION AND RESTORATION

Temporary impacts on wetlands may include soil disturbance, temporary alteration of hydrology, and temporary loss of vegetation. The permanent impacts of the Project include conversion of PFO wetlands to PSS or PEM wetland and PSS wetlands to PEM wetlands within the permanently maintained ROW. Upon completion of construction, topsoil will be spread and contour elevations will be restored, and disturbed areas will be seeded and select areas will be replanted to promote the re-establishment of native hydrophytic vegetation and restore preconstruction hydrologic patterns. After construction, temporary workspace will not be maintained for operation of the proposed facilities and will be allowed to revert to their preconstruction land use and vegetation cover.

6.1.1 Construction Practices

Constitution's ECP describes BMPs for erosion and sediment control, above ground facility development, and invasive species management that will be employed throughout the construction of the Project to minimize impacts in wetlands. Wetlands that are affected by the travel lane within the ROW and by temporary access roads will be covered with construction equipment mats during construction. Once construction is complete, the equipment mats will be removed and the wetland will be restored in accordance with the ECP for New York.

Following construction, some wetlands (less than 0.1 acres) associated with access roads will be permanently filled with materials suitable to maintain all-season access to the pipeline ROW and associated appurtenances. Impacts on the wetlands will be minimized by limiting clearing and grading to



only that needed to construct a stable access road by steepening tie-in slopes adjacent to wetlands to the extent practicable while still maintaining a stable slope.

Constitution has described specific wetland crossing methods proposed for installing the pipeline within wetlands during construction in *Resource Report 2* (Constitution, 2013a). The Type I construction method will be used in wetlands where soils are not saturated and are able to support construction equipment at the time of crossing, as outlined in the ECP (see Constitution ECP, Attachment 2, Figure 12). This method requires segregating topsoil from subsoil along the trench. Immediately after backfilling is complete, the segregated topsoil will be restored to its original location. Erosion control BMPs to be implemented will include site-specific contouring, silt fence, straw-bale barriers, permanent slope breakers, mulching, and reseeding or sodding with soil-holding vegetation. Contouring will be accomplished using acceptable excess soils from construction. Where this method is to be implemented for construction, the environmental inspector will use a penetrometer to measure soil density before and after construction to determine if the soil is inadvertently compacted during construction or access.

The Type II construction method will be used for crossing wetlands with saturated soils or soils that are unable to support construction equipment without considerable disturbance, as outlined in the ECP (see Constitution ECP, Attachment 2, Figure 13). Prior to moving construction equipment through these wetlands, equipment mats will be installed in the ROW to create a stable, safe working condition. Trench spoil will be stockpiled temporarily in a ridge along the pipeline trench. Gaps will be left in the spoil pile at appropriate intervals to provide for natural circulation or drainage of water. While the trench is being dug, the pipe will be assembled in an upland staging area and then moved to the ROW. After the pipe is lowered into the trench, wide-track bulldozers or backhoes supported on equipment mats will be used for backfill, final cleanup, and grading. This method will minimize the amount of equipment and travel in wetland areas.

Construction in saturated/inundated wetland areas may require a Type III construction method, such as pushing the pipe from the edge of the wetland or pulling the pipe with a winch from the opposite bank of the wetland into the trench as outlined in Constitution's ECP (see Constitution ECP, Attachment 2, Figure 14). Where these techniques are implemented, initial clearing within the wetland will be limited to only that necessary to install the pipeline. Grading in inundated wetlands will be minimized and generally will not be necessary due to the typically level topography and the absence of rock outcrops.

Equipment mats may be placed over existing vegetation where grading is not required. Trees and brush will be cut at ground level by hand, or with low ground-pressure equipment, or with equipment supported by equipment mats. Constitution will not use dirt, rock, pulled tree stumps, or brush rip-rap to stabilize the travel lane, and sediment barriers will be installed prior to grading, as needed, to protect adjacent wetland areas.

Constitution will use sediment barriers to contain unconsolidated soils such as muck and till. The type of sediment barrier employed will vary depending on the amount and physical properties of the material that has to be contained. Constitution's ECP outlines a variety of sediment barriers proposed for use on the Project; specific barriers will be selected based on what is best suited for the field conditions at each location. For example, Constitution may choose to wrap the containment area with a double row of silt fence, or to use a reinforced silt fence that is able to handle more slope area than standard silt fence. No substantial areas of muck have been identified within the Project area.



Where necessary, the trench will be excavated using amphibious excavators (i.e., pontoon-mounted backhoes) or tracked backhoes supported by fabricated equipment mats or floats. The excavated material will be stored adjacent to the trench, if possible. If storage of excavated material next to the trench is not possible, the material will be stored temporarily in one of the following locations: (1) in upland areas of the ROW as near to the trench as possible, (2) in construction vehicles, or (3) at an approved off-site staging location until needed for backfilling.

Constitution will protect wetlands and minimize potential adverse impacts by complying with the applicable permit conditions issued by appropriate regulatory agencies with respect to construction and operation of the Project facilities within wetlands and by implementing the specific wetland construction procedures described in Constitution's ECP for this Project:

- Constitution will expedite construction in and around wetlands to reduce the amount of time
 wetland soils are exposed, minimizing the opportunity for soil loss, and reducing the amount of
 time during which wetland functions and services are affected.
- Constitution will minimize vegetation clearing within wetlands. Constitution has reduced workspace in and around wetlands during construction in accordance with FERC's requirements. Workspace within wetlands generally will be reduced to a width of 75 feet; *Resource Report 2* (Constitution, 2013a) lists the few exceptions and provides site-specific justification for proposed modifications of the FERC's procedures.
- During operation of the Project, a 50-foot permanent ROW centered over the pipeline will be maintained within wetlands in accordance with the FERC's procedures. In forested wetlands, Constitution will minimize tree clearing to the extent practicable while maintaining safe construction conditions.
- Equipment mats will be used to cross most wetlands, except where saturated soil conditions prohibit the use of the mats; the push-pull technique will be used in those areas. Decompaction will be performed if necessary.
- Up to the top 12 inches of soil from the area disturbed by trenching activities will be segregated, except in saturated areas or when soils are frozen. The topsoil will be restored to its original location immediately after backfilling is complete to preserve the existing seedbank and promote revegetation of the disturbed area.
- Seed mixes and mulch spread on the restored topsoil for temporary stabilization will be applied
 according to the mixes recommended by the appropriate regulatory agency. The use of fertilizers
 will not be permitted.
- Erosion controls, including silt fence or staked hay bales or both, will be put in place to protect wetlands from sediment from disturbed areas in adjacent uplands during construction.
- Wetlands will be restored to their original configurations and contours after construction to assist
 in maintaining preconstruction hydrology. Prompt stabilization of disturbed upland areas adjacent
 to wetlands will minimize sediment transport into wetlands, protecting wetlands from filling with
 sediment and maintaining functions and services long-term. After construction, disturbed
 wetlands and adjacent uplands will be monitored to ensure long-term stability. Regular inspection
 and maintenance of erosion control measures will expedite successful restoration of the wetland.



During operation of the pipeline, 10 feet of the permanent 50-foot ROW, centered over the pipeline where it crosses wetlands, will be maintained at an early successional stage to facilitate periodic surveys for corrosion and leakage of the pipeline in accordance with the FERC's requirements.

In forested wetlands, Constitution will minimize tree clearing to the maximum extent practicable while maintaining safe construction conditions. Tree clearing within wetlands will be limited to selectively removing trees growing within 15 feet of the pipeline whose roots could compromise the integrity of the pipe coating. Trees and shrubs that become reestablished beyond 15 feet on either side of the pipeline will not be disturbed. Disturbed, high-quality forested wetlands along the right-of-way and outside of the areas in which FERC limits tree growth will be replanted and monitored as described here.

Access within the ROW across wetlands will be permitted only where soils are not saturated and are able to support construction equipment at the time of crossing, during frozen soil conditions (for winter construction), or with the use of equipment mats to avoid rutting of the wetland soil. Seed mixes spread on the restored topsoil for temporary stabilization will include annual rye grass at a rate of 40 pounds per acre (unless standing water is present) or appropriate mixes recommended by the local Conservation Districts. The use of fertilizers will not be permitted in wetlands. Mulch will be used within wetlands only as required by state agencies or local Soil Conservation Districts.

6.1.2 On-Site Replanting

In addition to the minimization measures outlined above, Constitution will implement planting plans at impacted NYSDEC-mapped Freshwater PFO wetlands and identified high quality PFO wetlands. Native species within these specified PFO wetlands, as outlined in Tables 6-1 through 6-4, will be planted in areas that are temporally affected by construction outside of the operational ROW proposed for PFO wetlands. Constitution has identified high quality PFO wetlands that lack invasive species, are in forest interior areas, are mature and generally have a high degree of ecological integrity.

Constitution will protect plantings from deer by installing tree protection tubes to ensure long-term survival. Constitution will monitor planted areas annually for the first three years after planting, at a minimum, to ensure that the planted areas are on track to being restored to mature forested wetlands. Specifically, success criteria includes no more than 10 percent coverage with invasive species, greater than 30 percent canopy cover with native wetland tree species, and 85 percent coverage with hydrophytic vegetation. Continued succession towards a mature forest can be assumed once these criteria are achieved, and trees have survived for three years and reached heights at which branches are out of reach of browsing deer.

Constitution proposes to achieve the planned densities and species mixes over the entire planted area, but reserves flexibility to vary the densities and particular species to match specific planting areas. For example, since temporarily affected PFOs will be cut flush to the ground surface but will not be grubbed or graded, significant sucker sprouting and native seed bank recruiting is expected. Such areas may require lower planting densities; however, other areas will be planted at greater densities to achieve the proposed overall densities. Similarly, species such as silver maple, black willow, cottonwood, swamp white oak, and river birch will be emphasized in floodplains and riparian areas, whereas species such as yellow birch and black gum will be emphasized in areas outside the influence of river flooding.



TABLE 6-1: PALUSTRINE FORESTED WETLAND ON-SITE RESTORATION PLANT DENSITIES

| Plant Type | Container Size ¹ | Percent of Plant Type | Trees | Shrubs | Seed (lbs) |
|---|--------------------------------|--------------------------|-------|--------|---------------|
| Tree | #3 | 90% | 405 | - | - |
| Tree | #7 | 10% | 45 | - | - |
| Shrub | #1 | 100% | | 50 | - |
| Seed | lbs | 100% | - | - | 20 |
| PFO Wetland (Overall Planted Densities Per Acre) ² | | | 450 | 50 | 20 |

¹ The numbering system for containers (denoted by #) is roughly equivalent to gallons (i.e., the volume of a #3 container is approximately 3 gallons). A #1 container may vary from 152 to 251 cubic inches; a #3 container varies from 628 to 742 cubic inches; a #7 container varies from 1,337 to 1,790 cubic inches.

TABLE 6-2: PALUSTRINE FORESTED WETLAND ON-SITE RESTORATION – TREE SPECIES

| Scientific Name | Common Name | NCNE ¹ | Mix Ratio ² | |
|-----------------------|-------------------|-------------------|------------------------|--|
| Acer rubrum | red maple | FAC | | |
| Acer saccharinum | silver maple | FACW | | |
| Carpinus caroliniana | American hornbeam | FAC | | |
| Nyssa sylvatica | black gum | FAC | 90% | |
| Populus deltoides | cottonwood | FAC | 90% | |
| Quercus bicolor | swamp white oak | FACW | | |
| Quercus palustris | pin oak | FACW | | |
| Salix nigra | black willow | OBL | | |
| Betula alleghaniensis | yellow birch | FAC | | |
| Betula populifolia | gray birch | FAC | 10% | |
| Betula nigra | river birch | FACW | | |

¹ NCNE = North Central North Eastern Region; FAC = facultative; FACW = facultative wetland; OBL = obligate

² The quantities per acre indicated will be planted immediately after construction or in the spring of the first growing season. No additional plantings are proposed in subsequent years unless monitoring and agency consultation indicates that the stated success criteria are not being met.

² The species list will include species that re-sprout from stumps in the PFO wetland, provided these species are not invasive species. These re-sprouts may not be of species listed here, but will be counted as part of the overall plant coverage.



TABLE 6-3: PALUSTRINE FORESTED WETLAND ON-SITE RESTORATION – SHRUB SPECIES

| Scientific Name | Common Name | NCNE ¹ | Mix Ratio ² | |
|---------------------------|----------------|-------------------|------------------------|--|
| Ilex verticillata | winterberry | FACW | | |
| Viburnum nudum | possumhaw | FACW | 40% | |
| Viburnum dentatum | arrowwood | FAC | | |
| Alnus incana rugosa | speckled alder | FACW | | |
| Cephalanthus occidentalis | buttonbush | OBL | 600/ | |
| Cornus racemosa | gray dogwood | FAC | 60% | |
| Rosa palustris | swamp rose | OBL | | |

¹ NCNE = North Central North Eastern Region; FAC = facultative; FACW = facultative wetland; OBL = obligate

² The species list will include species that re-sprout from stumps in the PFO wetland, provided these species are not invasive species. These re-sprouts may not be of species listed here but will be counted as part of the overall plant coverage.



TABLE 6-4: PALUSTRINE FORESTED WETLAND ON-SITE RESTORATION – SEED MIX SPECIES

| Scientific Name | Common Name | NCNE ¹ | Mix Ratio ² |
|------------------------------|-----------------------------|-------------------|------------------------|
| Asclepias incarnata | swamp milkweed | OBL | 3% |
| Carex folliculata | northern long sedge | OBL | 1% |
| Carex intumescens | bladder sedge | FACW | 1% |
| Carex lupulina | hop sedge | OBL | 5% |
| Carex lurida | lurid sedge | OBL | 10% |
| Carex squarrosa | squarrose sedge | OBL | 3% |
| Carex vulpinoidea | fox sedge | OBL | 25% |
| Cinna arundinacea | wood reedgrass | FACW | 1% |
| Doellingeria umbellata | flat topped white aster | FACW | 1% |
| Elymus virginicus | Virginia wildrye | FACW | 20% |
| Eupatorium fistulosum | joe pye weed | FACW | 1% |
| Eupatorium perfoliatum | boneset | FACW | 2% |
| Glyceria canadensis | rattlesnake grass | OBL | 2% |
| Helopsis helianthoides | oxeye sunflower | FACU | 2% |
| Juncus effusus | soft rush | OBL | 3% |
| Lilium superbum | Turk's cap lily | FACW | 1% |
| Lobelia siphilitica | great blue lobelia | FACW | 1% |
| Mimulus ringens | square stemmed monkeyflower | OBL | 1% |
| Onoclea sensibilis | sensitive fern | FACW | 2% |
| Panicum rigidulum | redtop panicgrass | FACW | 4% |
| Polygonum pensylvanicum | Pennsylvania smartweed | FACW | 1% |
| Pycnanthemum tenuifolium | slender mountainmint | FAC | 1% |
| Scirpus polyphyllus | many leaved bulrush | OBL | 1% |
| Sisyrinchium angustifolium | narrowleaf blue eyed grass | FAC | 1% |
| Symphyotrichum novae-angliae | New England aster | FACW | 1% |
| Symphyotrichum prenanthoides | zigzag aster, PA ecotype | FAC | 1% |
| Symphyotrichum puniceum | purplestem aster | OBL | 1% |
| Verbena hastata | blue vervain | FACW | 3% |
| Vernonia noveboracensis | New York ironweed | FACW | 1% |

¹ NCNE = North Central North Eastern Region; FAC = facultative; FACW = facultative wetland; OBL = obligate

² The species list will include species that re-sprout from native seed bank in the soil in the PFO wetland, provided these species are not invasive species. These naturally reseeded species may not be of species listed here. Such natural colonization will be counted as part of the overall plant coverage (i.e., as used in the success criteria) but will not reduce overall planting densities.

6.2 COMPENSATORY MITIGATION

6.2.1 In-Lieu fee

Constitution is consulting with the Wetland Trust and the Upper Susquehanna Coalition regarding the Susquehanna Basin Headwaters In-lieu Fee Program in New York. The USACE in the Buffalo and New York Districts have approved this ILF instrument. Constitution proposes to use this ILF instrument as part of the compensation for effects within the portion of the Upper Susquehanna Watershed that is located in New York. The ILF instrument will be used to establish, enhance, restore/rehabilitate, and preserve wetlands within the watershed.

6.2.2 Permittee-Responsible Mitigation Opportunities

A wetland scientist and an engineer investigated potential mitigation sites to determine if needed functions and services can be created or restored on each site. Each site showing potential was surveyed, reviewed for archeological constraints, threatened and endangered species, and investigated for environmental contamination; the investigators also performed a deed search. Constitution's efforts focused on sites with sources of wetland hydrology, including sites that once supported wetlands or are adjacent to wetland complexes that have few or controllable invasive species or other obstacles to successful wetland mitigation. Preference was given to sites with a high chance of success (e.g., known source of wetland hydrology, willing landowner) and significant gains in wetland functions per USACE guidance to use a watershed-based approach.

Constitution will meet or exceed 100 percent of the required wetland mitigation. In some cases the opportunities for mitigation exceed 100 percent of impacts because designing permittee-responsible mitigation sites in a way that exactly meets 100 percent is sometimes impractical. Additionally, the ILF instrument is available in fractions that may not exactly meet 100 percent.

6.2.2.1 Upper Susquehanna Watershed – New York

The total impact for Upper Susquehanna Watershed is 47.51 acres. The proposed mitigation approach is to use ILF as the primary mitigation source and with an additional permittee-responsible preservation site, BR-24. Twenty credits of the in-lieu fee instrument is proposed for use as compensation for the portion of the Upper Susquehanna Watershed that is located in New York and will be utilized to provide establishment, enhancement, and restoration/rehabilitation opportunities within the watershed. These opportunities span a distribution of land use types and offer excellent functional gain and chance of success. The mitigation plan for BR-24 found in Appendix C provides more detail on the site.

6.2.2.2 Upper Delaware Watershed

In the Upper Delaware Watershed, Constitution proposes to use a permittee-responsible mitigation approach. The plan is to use one site, DE-51, that is part of a DEC regulated freshwater wetland that offers multiple mitigation opportunities and excellent functional gain and chance of success. DE-51 is located west of Betty Brook Road in South Kortright, New York. The wetlands within the property occupy approximately 26 acres in total area. Approximately 3 acres are PFO wetland; 12 acres are PEM wetland, and 11 acres are PSS wetland. The NYSDEC mapped approximately 15 acres of the northern portion of the property previously as part of an 81.3-acre NYSDEC-regulated wetland. Betty Brook, a



Class C trout stream with emergent, scrub/shrub, and forested wetlands bordering it on both sides, runs north to south through the property. Most of the property is used for dairy farming and grazing livestock, including some areas containing wetlands. A portion of the wetland on the property is excluded from grazing by electric fences, which run the entire length of the parcel from north to south along both sides of the stream. The farm buildings are located on the eastern side of the stream, and two fords allow livestock and vehicles to cross the stream to the western side of the property. The fords are a mixture of armored (rock) and unarmored (muddy) bottoms. When livestock cross the brook, which is several times daily, sediment is mixed into the water column and transported downstream.

Members of NYSDEC's staff visited the DE-51 site on June 20, 2014, to review the wetland delineation and the proposed mitigation approach. The wetland delineation extends the NYSDEC-regulated wetland to the south from its previously mapped location. As a result of that review NYSDEC agreed that excluding cattle will enhance wetland functions based on the condition of existing exclusion areas to the north. NYSDEC also assisted with the design approach to diversify the habitat through a shallow scrape in an area that is particularly degraded by heavy cattle use; this scrape is intended to provide seasonal ponding and amphibian breeding. A mitigation plan for DE-51 found in Appendix C provides more detail on the site and design features.

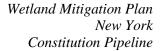
6.2.2.3 Schoharie Watershed

The proposed mitigation approach is to use two sites, SC-65 and SC-66, that mitigate the proposed wetland impacts while addressing the lost functions of those impacts and offer excellent functional gain and chance of success. Two sites were chosen based on improved values from those lost due to impacts. Mitigation plans for SC-65 and SC-66 in Appendix C provide more detail on the sites including location and design features.

SC-65

The Beckers Corners Road property is located at the headwaters of the Cripplebush Creek watershed. The property includes an intermittent stream, beaver pond, and associated wetlands (Photo 1) that drain west to a perennial stream just west of the property line. This perennial stream has its confluence with Cripplebush Creek at a point less than 1,000 feet from the subject property. Cripplebush Creek is classified as a Class C stream by the New York Department of Environmental Conservation (NYSDEC) and feeds into Schoharie Creek. The sources of water entering Cripplebush Creek are a 78.4-acre NYSDEC-regulated wetland on the abutting northwest property, which is owned by the Sisson Family Trust, and the proposed mitigation property, which consists of one parcel totaling 56.7 acres. The wetlands on the mitigation parcel are connected hydrologically to the mapped 78.4-acre NYSDEC-regulated wetland; therefore, the NYSDEC considers them to be a single, regulated wetland.

The proposed mitigation includes purchasing the land and preserving 11.7 acres of palustrine forested (PFO) wetland, 12.0 acres of palustrine scrub-shrub (PSS) wetland, 0.3 acres of palustrine emergent (PEM) wetland, and 7.7 acres of associated 150-foot buffer. On the eastern portion of the property, the proposed mitigation entails establishing 0.3 acres of PEM and 1.0 acres of PFO in the mowed fields adjacent to the pond by excavating a series of shallow surface scrapes and planting native species found in adjacent reference wetlands.





The property directly abuts a NYSDEC-regulated wetland; therefore, preserving it not only will increase the continuous area of wildlife habitat that the Sisson Family Trust provides, but also will ensure that the parcel maintains wildlife corridors and blocks of contiguous forest.

SC-66

The proposed mitigation site is located on Tower Road south of Cobleskill, New York. The property is surrounded on three sides by the Petersburg Pass State Forest. The primary existing cover types are forested woodlands and wetlands. Multiple beaver dams create a series of ponds on the property. The ponds are surrounded by a large wetland complex, which is made up of areas of emergent, scrub-shrub, and forested wetlands. Groundwater within the wetlands is perched above a dense basal till layer and flows horizontally over the site and eventually into the beaver ponds. The only development present is a house near Tower Road, which is surrounded by open space that is partially maintained with sparse trees. There is evidence of past logging activity on the property. Multiple logging trails cut through the wetlands and upland forest area and lead to a large cleared area at the northern end of the wetland complex.

The proposed mitigation will establish 1.5 acres of forested wetland. Establishing forested wetland will require excavating soil to a depth of approximately 1 foot. In addition, the areas disturbed by historical logging will be enhanced to become functioning wetlands, resulting in 0.5 acres of enhanced forested wetland, 0.9 acres of enhanced scrub-shrub wetland, and 0.1 acres of enhanced emergent wetland. In addition, approximately 18.6 acres of PFO wetland, 4.2 acres of PSS wetland, and 2.6 acres of PEM wetlands will be preserved. To protect the enhanced and established wetlands on the property, 19.9 acres of upland buffer will be preserved, and 1.9 acres of additional buffer will be established in mowed fields.



7.0 MONITORING AND MAINTENANCE PLAN FOR PERMITTEE-RESPONSIBLE MITIGATION SITES

Constitution will monitor and maintain permittee-responsible mitigation sites for a minimum of 5 years to ensure that USACE performance standards are met. Monitoring will focus on the establishment of target vegetation and hydrology as well as the realization of targeted wetland functions and area. Annual sampling will document that these have been achieved. Monitoring reports will be submitted annually, and a final report will be issued to the USACE at the end of year 5 if success criteria have been met. If performance standards are met at the end of 5 years, no further monitoring or maintenance will be required, except to ensure that the site is protected in perpetuity. The monitoring and maintenance procedures outlined here will not be applied in preservation areas; however, the specific requirements of conservation easement(s) or deed restriction(s) will be properly executed and carried out by appropriate entities to ensure that those areas are preserved in perpetuity.

7.1 MONITORING METHODS AND SUCCESS CRITERIA

Mitigation wetlands typically must meet the requirements for wetland indicators specified in the 1987 USACE Wetland Delineation Manual (USACE, 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0 (USACE, 2012) to be considered successful. In addition, wetlands must perform or be on a trajectory to perform proposed functions and services.

Wetland sampling and evaluation will be conducted during monitoring site visits that will be conducted during the growing season. Although specific functional success criteria will vary from project to project, Constitution will monitor the mitigation wetland to ensure that targeted functions and services and wetland structure (e.g., PFO habitat with seasonal ponding) are achieved. Constitution expects that wetland functions, such as wildlife habitat, can be directly observed and inferred based on observed habitat and site conditions. Qualitative (descriptive) assessments of mitigation wetlands will be conducted using the Descriptive Approach (USACE, 1999) to determine whether the wetland(s) provide targeted functions and services. Other parameters, such as hydrology, will involve more quantitative measurements. For example, the depth of water (above and below ground, as applicable) will be measured in the mitigation wetlands and, as appropriate, in adjacent reference wetlands for comparison. Following this procedure, if a particular monitoring year is wetter or dryer than normal, comparison with an existing reference wetland will yield information on whether the mitigation wetland has achieved functional hydrology. Vegetation will be assessed both site-wide (meander walks, photo-documentation, and an overall assessment based on visual estimates of plant communities and cover), as well as more quantitatively at permanent plots. The following section describes proposed monitoring components and associated success criteria.

7.1.1 <u>Vegetation Success Criteria</u>

1) The mitigation site will contain a dominance of hydrophytic vegetation. Specifically, Constitution will ensure that proposed mitigation plantings have an 85 percent coverage of hydrophytic plants (those with a regional indicator status of facultative, facultative wetland, or obligate). This proposed coverage may include both plantings as well as desirable natural colonizers that contribute to the native diversity.



- 2) The mitigation site will contain a plant community that is representative of the intended in-kind community (e.g., PFO). For PFO, this will consist of a canopy coverage of native tree species with a regional indicator status of facultative (FAC) or wetter of greater than 30 percent by the end of year 5.
- 3) Constitution will also ensure that the vegetation in the newly established wetland consists of not more than a total of 10 percent areal coverage of common reed (*Phragmites australis*), purple loosestrife (Lythrum salicaria), reed canary grass (Phalaris arundinacea), Japanese knotweed (Polygonum cuspidatum), Tartarian honeysuckle (Lonicera tatarica), European or glossy buckthorn (Rhamnus spp.), Eurasian water-milfoil (Myriophyllum spicata), and other invasive species. The wetland enhancement portion of the SC-65 mitigation design and the southern end of the SC-66 enhancement are exceptions. The enhancement portion of SC-65 is a nearly level (topographically flat) monoculture of greater than 95% reed canary grass. A large area in the southern portion of SC-66 that is to be enhanced also contains a monoculture of reed canary grass. Establishing 10 percent total coverage as the success criterion for controlling invasive species in these areas is unrealistic within the 5-year monitoring period. Instead, the proposed success criterion for these areas are: (1) not more than 5 percent areal coverage with invasive species other than reed canary grass, (2) not more than 40 percent coverage with reed canary grass at the end of year 5, (3) a demonstrated trend toward decreasing coverage with reed canary grass each year leading up to year 5, and (4) projected continuation of the decreasing trend in coverage with reed canary grass. As the tree canopy closes, reed canary grass will gradually weaken with the increasing shade. Initially, herbicide will be used to reduce invasives and help natives to become established. Ultimately, reed canary grass will be relegated to small patches and isolated stems as the forest vegetation matures. Shade and topographic diversification will reduce ideal habitat conditions for reed canary grass, but this species will not be eradicated because strong rhizomes and a large seed bank have been building in place for many decades. Careful BMPS will be used to prevent seeds and rhizomes from spreading from these areas to other parts of the mitigation site or off site.

A list of dominant plant species and their estimated relative frequency and percent areal cover will be identified by using plots measuring 10 feet by 10 feet with at least one representative plot located in each of the habitat types (e.g., PFO, PSS, PEM), as applicable, within the mitigation site. Vegetation cover maps (plan view drawing), at a scale of 1 inch equals 100 feet, or larger, will be prepared for each growing season. Within each plot, vegetation will be identified in order to document species richness, cover of wetland vegetation, and presence/frequency of classes of plants (e.g., obligate and facultative wetland, shrubs, emergents, exotics). Each plot will be marked with permanent stakes in the ground so that surveys will be reproducible during monitoring years.

Plant plots will be representative of the wetland as a whole; however, wetland scientists will survey and photograph the entire wetland through meander surveys. This will result in visual estimates of dominant plants species and community types, wildlife habitat features (e.g., seasonally ponded areas used for amphibian breeding), and any other characteristics that are important with respect to wetland functions and services.



7.1.2 Hydrology Success Criteria

Mitigation wetlands should meet the requirements for wetland hydrology specified in the 1987 USACE *Wetland Delineation Manual* and regional supplement. "Wetland hydrology" encompasses areas that are periodically inundated or have soils saturated to within 12 inches of the surface for at least 3 weeks during the growing season in typical years.

Surface water and groundwater elevations in representative areas of the mitigation site will be recorded twice a month during the growing season of each year through site visits and direct observation (soil pits) or through recorders in monitoring wells. The location(s) of the groundwater monitoring well(s) and direct observations will be shown on the plan view drawing showing vegetation cover types. At least two groundwater wells will be installed per wetland for wetland establishment and restoration areas.

To provide a benchmark, the depth of water will be measured in reference wetlands, if possible at the same time as it is measured in the mitigation wetlands during monitoring. Constitution will provide information to USACE on whether the mitigation wetland has achieved functional hydrology.

7.1.3 Wetland Functional Assessment

The mitigation wetland will be assessed qualitatively using the Descriptive Approach designed by the USACE (1999).

Generally, the evaluation will involve recording the presence or absence of specific wetland functions and services during field visits. Additional comments and justifications that clearly state factual supporting data for each determination will be included, along with descriptions of the surrounding landscape and hydrologic systems and a list of wildlife and vegetation species observed. All information will be recorded on standardized evaluation forms (USACE, 1999). Evaluations will be performed by a qualified wetland scientist.

Successful mitigation will be declared if all principal functions targeted are observed in the mitigation wetlands within 5 years. Although mature trees in the forested portions are not expected to occur for several years, if native wetland trees (both planted and naturally colonizing) are surviving, growing above deer browse, and have canopy coverage of greater than 30 percent, then a mature forest can be inferred, barring unforeseen circumstances (e.g., hurricane force winds). Wetland Functions and services to be evaluated during each monitoring visit include the following:

- Wildlife Habitat effectiveness to provide habitat for various types and populations of resident and migrating species typically associated with wetlands.
- · Ground Water Recharge/Discharge potential to serve as a groundwater recharge and/or discharge area.
- Flood flow Alteration effectiveness in retaining water for prolonged periods following precipitation events and gradually releasing floodwaters.
- Sediment/Toxicant/Pathogen Retention effectiveness as a trap for sediments, toxicants, or pathogens in runoff water from surrounding uplands, or upstream eroding wetlands.



- · Nutrient Removal/Retention/Transformation effectiveness as a trap for nutrients in runoff water from surrounding upland or contiguous wetland, and the ability of the wetland to process nutrients into other forms or trophic levels.
- *Production Export* effectiveness to produce food for organisms.

A USACE-approved wetland delineation data sheet will be completed each year for each representative wetland area of the mitigation site to ensure that the area meets the definition of a regulated wetland.

All representative areas of the mitigation site will be photographed at least once each year during the period between June 1 and August 15. At least a portion of the photographs must be taken from fixed points and in the same directions to document trends.

7.2 **REPORTING**

Constitution will provide annual monitoring reports (two copies) to the USACE summarizing the status of the monitoring and maintenance activities no later than December 1 in each of the first 5 years after implementation of the mitigation projects. If the USACE determines that the success criteria outlined above have not been met for at least three consecutive years, this period will be extended, and Constitution will continue to submit monitoring reports every year until it has been determined that the success criteria has been met for three consecutive years. These reports will summarize the results of the assessment criteria.

7.3 RESPONSIBLE PARTIES

Constitution Pipeline Company, LLC Lynda Schubring, Acting For Constitution Pipeline Company, LLC 2800 Post Oak Boulevard, Level 17 Houston, TX 77056

7.4 LEGAL PROTECTION

Constitution will use a USACE deed template as the proposed deed format for each applicable mitigation site/easement.

7.5 MAINTENANCE ACTIVITIES AND SCHEDULE

In order to ensure that the mitigation site is properly maintained and that downstream or downgradient areas are protected, the following measures will be taken during and after construction of mitigation projects:

Planting and seeding in conjunction with the wetlands mitigation work shall be completed as soon as possible after grading and prior the year 1 monitoring survey. (Supplemental plantings, if needed, can take place at a later time). Also, within 30 days of the completion of the grading, Constitution will install at least two groundwater monitoring wells on the site and submit to the USACE an as-built drawing and photographs of the site. This as-built shall consist of a field-surveyed drawing, at 1 inch equals 50 feet scale, with 1-foot contours and appropriate spot



elevations, in addition to showing the submitted photograph locations, and installed monitoring wells.

- Constitution will ensure that no mowing of the mitigation area shall occur except as specified and as necessary during planting to control unwanted meadow vegetation or temporary erosion control mixes such as rye.
- Constitution will undertake the authorized grading activities in a manner aimed at reducing impacts upon the general environment. In addition, Constitution will not stockpile fill or other materials in a manner conducive to erosion, or in areas likely to cause high turbidity runoff during storm events. All exposed soils shall be re-vegetated in a timely manner to further reduce potential effects. Constitution will also fence off all wetlands and other sensitive ecological areas during construction periods to prevent equipment and personnel from entering these areas.
- Constitution will ensure that all synthetic erosion control features (e.g., silt fencing, netting, mats), which are intended for temporary use during construction, are completely removed and properly disposed of after their initial purpose has been served. Only natural fiber materials, which will degrade after time (e.g., coir matting or coir logs), may be used as permanent measures, or if used temporarily, may be abandoned in place.
- Constitution will assume all liability for accomplishing the corrective work should the USACE determine that the compensatory mitigation has not been fully satisfactory. If the USACE does not find the mitigation satisfactory, an extension of monitoring time until the site has remained successful for three consecutive years may be required to cover any necessary remedial work.
- Constitution will secure a conservation easement or a deed restriction on the wetland mitigation site(s). This shall include non-impacted wetlands, open water, and upland buffer to guarantee its preservation for wetland and wildlife resources. Constitution will accomplish the preservation of these areas by properly executing and filing the restrictive covenant with the USACE. The restrictive covenant shall be filed with the Recorder of Deeds for the appropriate County and shall provide the USACE a copy of the document(s), as filed in County records, within 30 days of its filing. A metes and bounds description of the restricted property is required to be attached to the covenant.
- Watering of the mitigation site will be completed, as necessary, during the first growing season.
 Additional seed will be applied as necessary during the first two growing seasons to attempt to fill-in bare areas where vegetation has not yet established. Constitution anticipates that no maintenance will be required by year 3; however, if vegetative success criteria are not achieved, additional plantings may be installed.
- Annual monitoring reports will include information on monitoring activities, progress of meeting success criteria, data summaries, photographs, modifications to plan, and remedial actions as necessary. Annual monitoring will continue for five years or until the success criteria have been met. Final reporting, if success criteria are met, will be submitted to the USACE at the end of year 5.



7.6 ADAPTIVE MANAGEMENT PLAN

The results of each annual monitoring visit will be used to determine whether remedial action or supplemental activities are required to ensure that the mitigation wetland meets the identified success criteria. Constitution is responsible for identifying and documenting issues in the annual reports that need to be addressed and for proposing possible remediation. Constitution will consult with the USACE and other resource agencies regarding potential remediation activities as needed.

In the event that exotic or invasive vegetation species are discovered during annual monitoring, Constitution will specifically report species and areal extent. In an effort to ensure that areal cover of invasive species does not exceed the success threshold, Constitution will pursue methods designed to limit or remove those species from the mitigated wetland before that threshold is reached, when the invasives are initially observed. A variety of methods are available for controlling invasive exotics, and the selection of method depends largely on the specific situation relating to the discovery of such invasive colonization. If the colonization of invasive exotic species is minor, removing them may be appropriate in order to limit the overall impact within the mitigation wetland. In some cases, biological controls (e.g., beetles) may be effective for limiting the growth of invasive species such as purple loosestrife (*Lythrum salicaria*), although such controls may not completely eliminate targeted individuals. In situations where invasive species distribution is localized, an appropriate herbicide may be applied, such as an approved glyphosate that targets individual stems. To limit the disturbance of the mitigation wetland, high impact methods such as fire control or mowing will be avoided.

If hydrologic criteria fail to be met, remediation may require additional hydrologic sampling to identify the specific causes of failed hydrology (e.g., excesses or deficient inputs, weather anomalies such as very wet or very dry years). Based on this information, additional grading or other means may be required and will be identified in collaboration with the USACE.

A remedial plan, if necessary, outlining all practicable steps taken or proposed to be taken to ensure the success criteria outlined above are met, will be included in the annual monitoring report(s).



8.0 SCHEDULE

The following provides a preliminary schedule for developing final mitigation plans.

| November 2013 | Submit Mitigation Plan | |
|--------------------|---------------------------------------|--|
| January 2014 | Solicit Comments from USACE Districts | |
| August 2014 | Submit Supplemental Mitigation Plan | |
| November 2014 | USACE Mitigation Plan Approval | |
| First Quarter 2015 | Start Mitigation Construction | |
| Summer 2015 | Complete Mitigation Construction | |
| September 2015 | Begin 5-year Mitigation Monitoring | |
| September 2020 | Complete Mitigation Monitoring | |



9.0 REFERENCES

Constitution Pipeline, LLC (Constitution). 2012a. 2012 Rare Plant Survey Report: New York.

Constitution Pipeline, LLC (Constitution). 2012b. 2012 Rare Plant Survey Report: Pennsylvania.

- Constitution Pipeline, LLC (Constitution). 2013a. Environmental Report, Resource Report No. 2: Water Use and Quality. Prepared by AECOM, November 2013.
- Constitution Pipeline, LLC (Constitution). 2013b. Environmental Report, Resource Report No. 3: Fish, Wildlife and Vegetation. Prepared by AECOM, November 2013.
- Department of Defense and Environmental Protection Agency (DOD and EPA). 2008. Compensatory Mitigation for Losses of Aquatic Resources. Final Rule. Federal Register. Vol. 73, No. 70. April 10, 2008.

The Federal Water Pollution Control Act (CWA). 33 U.S.C. §1344.

- U.S. Army Corps of Engineers (USACE). 1987. Wetland Delineation Manual.
- U.S. Army Corps of Engineers (USACE). 1999. The Highway Methodology Workbook. U.S. Army Corps of Engineers New England District. 29 pp. NAEEP-360-1-30a.
- U.S. Army Corps of Engineers (USACE). 2008. Minimum Monitoring Requirements for Compensatory Mitigation Projects Involving the Restoration, establishment, and/or Enhancement of Aquatic Resources. Regulatory Guidance Letter No. 08-03. October 10, 2008.
- U.S. Army Corps of Engineers (USACE). 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0.

APPENDIX A NYSDEC Mitigation Plan

CONSTITUTION PIPELINE



NYSDEC WETLAND IMPACTS AND PROPOSED MITIGATION NEW YORK

Prepared for:

Constitution Pipeline Company, LLC 2800 Post Oak Boulevard (77056) PO Box 1396 Houston, TX 77251-1396

Prepared by:



400 Historic Drive PO Box 278 Strasburg, PA 17579



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1.0 INTRODUCTION

Constitution Pipeline Company, LLC (Constitution) filed an application for a Certificate of Public Convenience and Necessity (Certificate) for the Constitution Pipeline Project (Project) with the Federal Energy Regulatory Commission (FERC). The Project will provide 650,000 dekatherms per day of new, firm capacity for transporting natural gas from three receipt points in Susquehanna County, Pennsylvania, to a proposed interconnection with Iroquois Gas Transmission System, L.P.'s (Iroquois) proposed new transfer compressor station to be located in Wright, New York and, through a capacity lease with Iroquois, to delivery points on existing systems owned by Iroquois and Tennessee Gas Pipeline Company, LLC (Tennessee) in Schoharie County, New York. The proposed interconnection with Iroquois and the delivery points into Iroquois and Tennessee all will be located within Iroquois' existing Wright Compressor Station property in Schoharie County, New York.

The facilities required to provide the proposed service include approximately 125 miles of new, 30-inch-diameter pipeline to be constructed across two states; two meter and regulator (M&R) stations; and additional ancillary facilities such as main line valves (MLVs), cathodic protection, communication monopoles, and internal inspection device launchers and receivers. Approximately 99 miles of the 125-mile-length of the pipeline will be located within the state of New York.

Building and operating the pipeline will affect wetlands along the proposed route. Some of the affected wetlands in New York are regulated by the New York State Department of Environmental Conservation (NYSDEC) under Article 24 (Freshwater Wetlands) of the Environmental Conservation Law. This document summarizes the unavoidable impacts, proposed restoration and proposed mitigation associated with Article 24 wetlands. The impacts and mitigation summarized in this document are subsets of the wetland impacts and mitigation described in a comprehensive Wetland Mitigation Plan for New York that satisfies both state and federal wetland regulations for the New York section of the Project.



2.0 MEASURES TO AVOID AND MINIMIZE IMPACTS

Avoidance and minimization of impacts on wetlands and waterbodies was a primary focus while selecting and designing the proposed pipeline route and access roads. However, due to the linear nature of pipeline construction, some impacts are unavoidable, and compensatory mitigation for those impacts is required. To minimize temporary construction impacts, Constitution will implement an Environmental Construction Plan (ECP) that provides details of best management practices (BMPs) for erosion and sediment control, construction typicals and details, a Grading Plan and an Invasive Species Management Plan (ISMP). Constitution will bring all wetlands temporarily affected during construction or permanently affected by conversion (e.g., from palustrine forested wetland to palustrine scrub-shrub wetland and palustrine emergent wetland) back to their original grade to prevent changes in wetland hydrology and will segregate unsaturated soil layers to minimize mixing of subsoil and topsoil and to preserve the native seed bank in the topsoil. Constitution will maintain the integrity of wetlands within the proposed ROW during construction of the pipeline by implementing its ECP.

Temporary impacts on wetlands may include soil disturbance, temporary alteration of hydrology, and loss of vegetation. The permanent Project impacts include conversion of palustrine forest (PFO) and palustrine scrub-shrub (PSS) wetlands to palustrine emergent (PEM) wetlands within the permanently maintained ROW. Upon completion of construction, topsoil and contour elevations will be restored, and disturbed areas will be reseeded or replanted to promote the re-establishment of native hydrophytic vegetation and restore pre-construction hydrologic patterns. Temporary workspace areas will be restored to pre-construction grades, contoured, and reseeded. After construction, these areas will not be maintained for operation of the proposed facilities and will be allowed to revert to their preconstruction land use and vegetation cover type.

2.1 CONSTRUCTION PRACTICES

Constitution's ECP describes BMPs for erosion and sediment control, land development, and invasive species management that will be employed throughout the construction of the Project to minimize impacts on wetlands. Wetlands that are affected by the travel lane within the ROW and by temporary access roads will be covered with construction equipment mats during construction. Once construction is complete, the equipment mats will be removed, and the wetland will be restored in accordance with the ECP for New York. Impacts on wetlands will be minimized by limiting clearing and grading to only that needed to construct a stable access road by steepening tie-in slopes adjacent to wetlands to the extent practicable while still maintaining a stable slope.

The Type I construction method will be used in wetlands where soils are not saturated and are able to support construction equipment at the time of crossing, as outlined in the ECP (see Constitution ECP, Attachment 2, Figure 12). This method requires segregating topsoil from subsoil along the trench. Immediately after backfilling is complete, the segregated topsoil will be restored to its original location. Erosion control measures to be implemented will include site-specific contouring, silt fence, straw-bale barriers, permanent slope breakers, mulching, and reseeding or sodding with soil-holding vegetation. Contouring will be accomplished using acceptable excess soils from construction. Where this method is to be implemented for construction, the environmental inspector will use a penetrometer to measure soil density before and after construction to determine if the soil is inadvertently compacted during construction or access.



The Type II construction method will be used for crossing wetlands with saturated soils or soils that are unable to support construction equipment without considerable disturbance, as outlined in the ECP (see Constitution ECP, Attachment 2, Figure 13). Prior to moving construction equipment through these wetlands, equipment mats will be installed in the ROW to create a stable, safe working condition. Trench spoil will be stockpiled temporarily in a ridge along the pipeline trench. Gaps will be left in the spoil pile at appropriate intervals to provide for natural circulation or drainage of water. While the trench is being dug, the pipe will be assembled in an upland staging area and then moved to the ROW. After the pipe is lowered into the trench, wide-track bulldozers or backhoes supported on equipment mats will be used for backfill, final cleanup, and grading. This method will minimize the amount of equipment and travel in wetland areas

Construction in saturated/inundated wetland areas may require a Type III construction method, such as pushing the pipe from the edge of the wetland or pulling the pipe with a winch from the opposite bank of the wetland into the trench as outlined in Constitution's ECP (see Constitution ECP, Attachment 2, Figure 14). Where these techniques are implemented, initial clearing within the wetland will be limited to only that necessary to install the pipeline. Grading in inundated wetlands will be minimized and generally will not be necessary due to the typically level topography and the absence of rock outcrops.

Equipment mats may be placed over existing vegetation where grading is not required. Trees and brush will be cut at ground level by hand, or with low ground-pressure equipment, or with equipment supported by equipment mats. Constitution will not use dirt, rock, pulled tree stumps, or brush rip-rap to stabilize the travel lane, and sediment barriers will be installed prior to grading, as needed, to protect adjacent wetland areas.

Constitution will use sediment barriers to contain unconsolidated soils such as muck and till. The type of sediment barrier employed will vary depending on the amount and physical properties of the material that has to be contained. Constitution's ECP outlines a variety of sediment barriers proposed for use on the Project; specific barriers will be selected based on what is best suited for the field conditions at each location. For example, Constitution may choose to wrap the containment area with a double row of silt fence, or to use a reinforced silt fence that is able to handle more slope area than standard silt fence. No substantial areas of muck have been identified within the Project area.

Where necessary, the trench will be excavated using amphibious excavators (i.e., pontoon-mounted backhoes) or tracked backhoes supported by fabricated equipment mats or floats. The excavated material will be stored adjacent to the trench, if possible. If storage of excavated material next to the trench is not possible, the material will be stored temporarily in one of the following locations: (1) in upland areas of the ROW as near to the trench as possible, (2) in construction vehicles, or (3) at an approved off-site staging location until needed for backfilling.

Constitution will protect wetlands and minimize potential adverse impacts by complying with the applicable permit conditions issued by appropriate regulatory agencies with respect to construction and operation of the Project facilities within wetlands and by implementing the specific wetland construction procedures described in Constitution's ECP for this Project:

Constitution will expedite construction in and around wetlands to reduce the amount of time
wetland soils are exposed, minimizing the opportunity for soil loss, and reducing the amount of
time during which wetland functions and services are affected.



- Constitution will minimize vegetation clearing within wetlands. Constitution has reduced workspace in and around wetlands during construction in accordance with FERC's requirements. Workspace within wetlands generally will be reduced to a width of 75 feet.
- During operation of the Project, a 50-foot permanent ROW centered over the pipeline will be maintained within wetlands in accordance with the FERC's procedures. In forested wetlands, Constitution will minimize tree clearing to the extent practicable while maintaining safe construction conditions.
- Equipment mats will be used to cross most wetlands, except where saturated soil conditions prohibit the use of the mats; the push-pull technique will be used in those areas. Decompaction will be performed if necessary.
- Up to the top 12 inches of soil from the area disturbed by trenching activities will be segregated, except in saturated areas or when soils are frozen. The topsoil will be restored to its original location immediately after backfilling is complete to preserve the existing seed bank and promote revegetation of the disturbed area.
- Seed mixes and mulch spread on the restored topsoil for temporary stabilization will be applied
 according to the mixes recommended by the appropriate regulatory agency. The use of fertilizers
 will not be permitted.
- Erosion controls, including silt fence or staked hay bales or both, will be put in place to protect wetlands from sediment from disturbed areas in adjacent uplands during construction.
- Wetlands will be restored to their original configurations and contours after construction to assist
 in maintaining preconstruction hydrology. Prompt stabilization of disturbed upland areas adjacent
 to wetlands will minimize sediment transport into wetlands, protecting wetlands from filling with
 sediment and maintaining functions and services long-term. After construction, disturbed
 wetlands and adjacent uplands will be monitored to ensure long-term stability. Regular inspection
 and maintenance of erosion control measures will expedite successful restoration of the wetland.

During operation of the Project, 10 feet of the permanent 50-foot ROW, centered over the pipeline where it crosses wetlands, will be maintained at an early successional stage to facilitate periodic surveys for corrosion and leakage of the pipeline in accordance with the FERC's requirements.

In forested wetlands, Constitution will minimize tree clearing to the maximum extent practicable while maintaining safe construction conditions. Tree clearing within wetlands will be limited to selectively removing trees growing within 15 feet of the pipeline whose roots could compromise the integrity of the pipe coating. Trees and shrubs that become reestablished beyond 15 feet on either side of the pipeline will not be disturbed. Disturbed, high-quality forested wetlands (including all DEC-regulated wetlands) along the right-of-way and outside of the areas in which FERC limits tree growth will be replanted and monitored as described here.

Access within the ROW across wetlands will be permitted only where soils are not saturated and are able to support construction equipment at the time of crossing, during frozen soil conditions (for winter construction), or with the use of equipment mats to avoid rutting of the wetland soil. Seed mixes spread on the restored topsoil for temporary stabilization will include annual rye grass at a rate of 40 pounds per acre (unless standing water is present) or appropriate mixes recommended by the local conservation districts. The use of fertilizers will not be permitted in wetlands. Mulch will be used within wetlands only as required by state agencies or local Soil Conservation Districts.





2.2 ON-SITE REPLANTING

In addition to the minimization measures outlined above, Constitution will implement planting plans at impacted NYSDEC-mapped Freshwater PFO wetlands and identified high quality PFO wetlands. Native species within these specified PFO wetlands, as outlined in Table 2-1 through Table 2-4, will be planted in areas that are temporally affected by construction outside of the operational ROW proposed for PFO wetlands. Constitution has identified high quality PFO wetlands that lack invasive species, are in forest interior areas, are mature and generally have a high degree of ecological integrity.

Constitution will protect plantings from deer by installing tree protection tubes to ensure long-term survival. Constitution will monitor planted areas annually for the first three years after planting, at a minimum, to ensure that the planted areas are on track to being restored to mature forested wetlands. Specifically, success criteria includes no more than 10 percent coverage with invasive species, greater than 30 percent canopy cover with native wetland tree species, and 85 percent coverage with hydrophytic vegetation. Continued succession towards a mature forest can be assumed once these criteria are achieved, and trees have survived for three years and reached heights at which branches are out of reach of browsing deer.

Constitution proposes to achieve the planned densities and species mixes over the entire planted area, but reserves flexibility to vary the densities and particular species to match specific planting areas. For example, since temporarily affected PFOs will be cut flush to the ground surface but will not be grubbed or graded, significant sucker sprouting and native seed bank recruiting is expected. Such areas may require lower planting densities; however, other areas will be planted at greater densities to achieve the proposed overall densities. Similarly, species such as silver maple (*Acer saccharinum*), black willow (*Salix nigra*), cottonwood (*Populus deltoids*), swamp white oak (*Quercus bicolor*), and river birch (*Betula nigra*) will be emphasized in floodplains and riparian areas, whereas species such as yellow birch (*Betula alleghaniensis*) and black gum (*Nyssa sylvatica*) will be emphasized in areas outside the influence of river flooding.



TABLE 2-1: PALUSTRINE FORESTED WETLAND ON-SITE RESTORATION PLANT DENSITIES

| Plant Type | Container Size ¹ | Percent of Plant Type | Trees | Shrubs | Seed (lbs) |
|--|-----------------------------|-----------------------|-------|--------|------------|
| Tree | #3 | 90% | 405 | - | - |
| Tree | #7 | 10% | 45 | - | - |
| Shrub | #1 | 100% | 1 | 50 | - |
| Seed | lbs | 100% | - | - | 20 |
| PFO Wetland (Overall Planted Densities Per Acre) ² | | 450 | 50 | 20 | |

¹ The numbering system for containers (denoted by #) is roughly equivalent to gallons (i.e., the volume of a #3 container is approximately 3 gallons). A #1 container varies from 152 to 251 cubic inches; a #3 container varies from 628 to 742 cubic inches; a #7 container varies from 1,337 to 1,790 cubic inches.

TABLE 2-2: PALUSTRINE FORESTED WETLAND ON-SITE RESTORATION – TREE SPECIES

| Scientific Name | Common Name | NCNE ¹ | Mix Ratio ² | |
|-----------------------|-------------------|-------------------|------------------------|--|
| Acer rubrum | red maple | FAC | | |
| Acer saccharinum | silver maple | FACW | | |
| Carpinus caroliniana | American hornbeam | FAC | | |
| Nyssa sylvatica | black gum | FAC | 000/ | |
| Populus deltoides | cottonwood | FAC | 90% | |
| Quercus bicolor | swamp white oak | FACW | | |
| Quercus palustris | pin oak | FACW | | |
| Salix nigra | black willow | OBL | | |
| Betula alleghaniensis | yellow birch | FAC | | |
| Betula populifolia | gray birch | FAC | 10% | |
| Betula nigra | river birch | FACW | | |

¹ NCNE = North Central North Eastern Region; FAC = facultative; FACW = facultative wetland; OBL = obligate

² The quantities per acre indicated will be planted immediately after construction or in the spring of the first growing season. No additional plantings are proposed in subsequent years unless monitoring and agency consultation indicate that the stated success criteria are not being met.

² The species list will include species that re-sprout from stumps in the PFO wetland, provided these species are not invasive species. These re-sprouts may not be of species listed here but will be counted as part of the overall plant coverage.



TABLE 2-3: PALUSTRINE FORESTED WETLAND ON-SITE RESTORATION – SHRUB SPECIES

| Scientific Name | Common Name | NCNE ¹ | Mix Ratio ² | | |
|---------------------------|----------------|-------------------|------------------------|--|--|
| Ilex verticillata | winterberry | FACW | | | |
| Viburnum nudum | possumhaw | FACW | 40% | | |
| Viburnum dentatum | arrowwood | FAC | | | |
| Alnus incana rugosa | speckled alder | FACW | | | |
| Cephalanthus occidentalis | buttonbush | OBL | 600/ | | |
| Cornus racemosa | gray dogwood | FAC | 60% | | |
| Rosa palustris | swamp rose | OBL | | | |

¹ NCNE=North Central North Eastern Region; FAC = facultative; FACW = facultative wetland; OBL = obligate

² The species list will include species that re-sprout from stumps in the PFO wetland, provided these species are not invasive species. These re-sprouts may not be of species listed here but will be counted as part of the overall plant coverage.



TABLE 2-4: PALUSTRINE FORESTED WETLAND ON-SITE RESTORATION – SEED MIX SPECIES

| Scientific Name | Common Name | NCNE ¹ | Mix Ratio ² |
|------------------------------|-----------------------------|-------------------|------------------------|
| Asclepias incarnata | swamp milkweed | OBL | 3% |
| Carex folliculata | northern long sedge | OBL | 1% |
| Carex intumescens | bladder sedge | FACW | 1% |
| Carex lupulina | hop sedge | OBL | 5% |
| Carex lurida | lurid sedge | OBL | 10% |
| Carex squarrosa | squarrose sedge | OBL | 3% |
| Carex vulpinoidea | fox sedge | OBL | 25% |
| Cinna arundinacea | wood reedgrass | FACW | 1% |
| Doellingeria umbellata | flat topped white aster | FACW | 1% |
| Elymus virginicus | Virginia wildrye | FACW | 20% |
| Eupatorium fistulosum | joe pye weed | FACW | 1% |
| Eupatorium perfoliatum | boneset | FACW | 2% |
| Glyceria canadensis | rattlesnake grass | OBL | 2% |
| Helopsis helianthoides | oxeye sunflower | FACU | 2% |
| Juncus effusus | soft rush | OBL | 3% |
| Lilium superbum | Turk's cap lily | FACW | 1% |
| Lobelia siphilitica | great blue lobelia | FACW | 1% |
| Mimulus ringens | square stemmed monkeyflower | OBL | 1% |
| Onoclea sensibilis | sensitive fern | FACW | 2% |
| Panicum rigidulum | redtop panicgrass | FACW | 4% |
| Polygonum pensylvanicum | Pennsylvania smartweed | FACW | 1% |
| Pycnanthemum tenuifolium | slender mountainmint | FAC | 1% |
| Scirpus polyphyllus | many leaved bulrush | OBL | 1% |
| Sisyrinchium angustifolium | narrowleaf blue eyed grass | FAC | 1% |
| Symphyotrichum novae-angliae | New England aster | FACW | 1% |
| Symphyotrichum prenanthoides | zigzag aster | FAC | 1% |
| Symphyotrichum puniceum | purplestem aster | OBL | 1% |
| Verbena hastata | blue vervain | FACW | 3% |
| Vernonia noveboracensis | New York ironweed | FACW | 1% |

¹ NCNE = North Central North Eastern Region; FAC = facultative; FACW = facultative wetland; OBL = obligate

² The species list will include species that re-sprout from native seed bank in the soil in the PFO wetland, provided these species are not invasive species. These naturally reseeded species may not be of species listed here. Such natural colonization will be counted as part of the overall plant coverage (i.e., as used in the success criteria) but will not reduce overall planting densities.





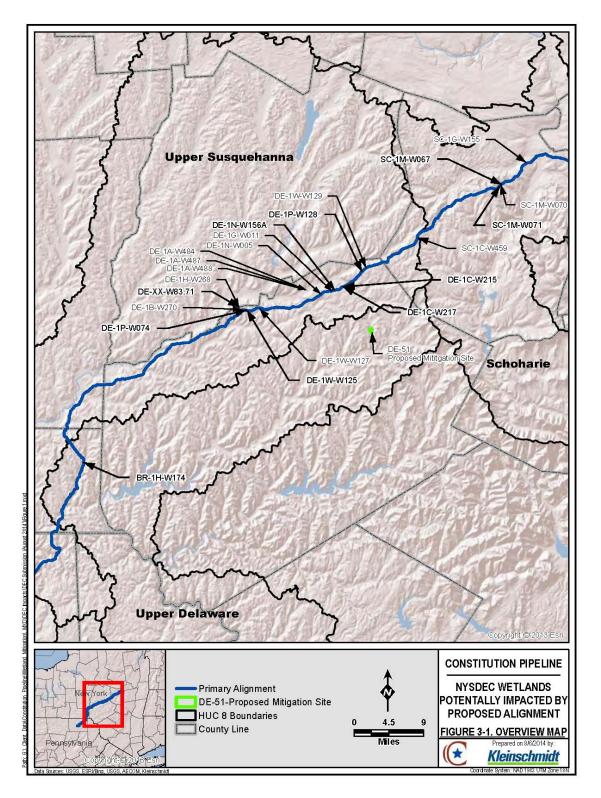
3.0 IMPACTS

During pipeline operation, maintenance clearing of woody vegetation in PFO and PSS wetlands will be limited to 10 feet centered over the pipeline (i.e., 5 feet on either side of the centerline); this area will be maintained as PEM. Within 15 feet on either side of the pipeline centerline tree species whose root systems pose a concern for disrupting pipeline integrity will be removed selectively, and the area between 5 feet and 15 feet from the centerline on either side of the pipeline will be maintained as PSS. PFO in the remaining 20 feet of the permanent 50-feet easement will be replanted or seeded so that it will revert to its preconstruction state.

Figure 3-1 provides an overview of the wetlands potentially impacted along the pipeline corridor. Sections 3.1 through 3.22 summarize the functions of the potentially impacted wetlands. The figures in Sections 3.1 through 3.4 show the location of the portion of the wetland delineated by Constitution as well as the boundary of the mapped NYSDEC wetland. Constitution delineated only a portion of the NYSDEC wetland complexes crossed. The delineated portions extend beyond where the proposed pipeline alignment may impact the wetland, in order to facilitate avoidance and minimization of impacts during the routing efforts. In locations where the NYSDEC and Constitution determined that delineated wetlands near but outside NYSDEC mapped wetlands were in fact connected, the delineated wetland is considered DEC-regulated and is included in the NYSDEC wetland impact calculations.



FIGURE 3-1: NYSDEC WETLAND IMPACTS OVERVIEW MAP



NYSDEC Table 3-1 summarizes proposed impacts to mapped NYSDEC wetlands per hydrologic unit code 8 (HUC 8) watershed. For a table broken out by individual wetland, please see Attachment A. Currently, there is no fill proposed in NYSDEC wetlands (i.e., no loss of NYSDEC wetland area). There are 0.81 acres of permanent vegetation type conversion and 5.81 acres of temporary construction impact proposed.

Table 3-2 summarizes proposed impacts to the 100-foot regulated adjacent area of NYSDEC wetlands. As shown in Table 3-2, there is 0.21 acres of fill impacts within the 100-foot regulated adjacent area of NYSDEC wetlands. Permanent conversion from forest to open cover types involves 0.04 acres of regulated adjacent area. Temporary construction impacts (where forest will be re-established) involve 0.03 acres of regulated adjacent area.



TABLE 3-1: IMPACTS ON NYSDEC WETLANDS

| | (Te | emporar ermaner (Acres) | y + | Temp | orary Iı (Acres) ^a | npacts | | Total (Acres Affected) a,b | | | | | | | |
|------------------------------------|------------------|-------------------------------|------------|------------------|----------------------------------|--------|------------------|----------------------------|------------------|---------------|------------------|---------------|------|------|--|
| HUC 8 Watershed | PFO ⁴ | PSS | PEM | PFO ⁴ | PSS | PEM | PFO (Conversion) | PFO (Fill) | PSS (Conversion) | PSS (Fill) | PEM (Conversion) | PEM (Fill) | Temp | Perm | |
| Schoharie- Surveyed | 0.23 | 1.02 | 1.79 | 0.14 | 0.88 | 1.79 | 0.09 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 2.81 | 0.23 | |
| Delaware- Surveyed | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Upper Susquehanna - Surveyed | 1.30 | 0.34 | 1.54 | 0.78 | 0.29 | 1.54 | 0.52 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 2.61 | 0.57 | |
| Surveyed Subtotal | 1.53 | 1.36 | 3.33 | 0.92 | 1.17 | 3.33 | 0.61 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 5.42 | 0.80 | |
| Schoharie - Remote | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Delaware - Remote | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Upper Susquehanna - Remote | 0.07 | 0.05 | 0.28 | 0.06 | 0.05 | 0.28 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.01 | |
| Remote Subtotal | 0.07 | 0.05 | 0.28 | 0.06 | 0.05 | 0.28 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.01 | |
| Total | 1.60 | 1.41 | 3.61 | 0.98 | 1.22 | 3.61 | 0.62 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 5.81 | 0.81 | |

This table has been updated since the November 2013 submittal

a: Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent)

b: Operational impacts are not be considered as a "loss" of waters of the US under the Nationwide Permit (NWP). Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees within 15 feet of the pipeline with roots that could potentially compromise the pipeline coating will be selectively cut and removed. For trenchless crossing methods, a 10-foot wide corridor will be permanently maintained in herbaceous vegetated cover through PFO and PSS wetlands. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys or desktop analysis, including NWI data, in those areas where permission has not been granted to conduct field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table. The ROW width at all wetland crossings is 75 feet, except for those wetlands described in Table 3.3-4.



TABLE 3-2: IMPACTS ON REGULATED ADJACENT AREAS OF NYSDEC WETLANDS CROSSED BY THE CONSTITUTION PIPELINE PROJECT

| | NYSDEC Wetland Number | Nearest Milepost | Crossing Length (feet) ^c | Adjacent Area Impacts (acres) ^a | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|-----------------------|------------------------------|---|--|--------|------|------|------|------|------|------|-----------|------|--------|------|------|------|------|------|-------------------------------------|----------------------------------|-------|--------|------------------|-------|------|------|------|-------|------|
| Wetland ID NYSDEC Wetland Nu | | | | Construction ^b (=Temporary + Permanent) | | | | | | | | Temporary | | | | | | | | Operation ^b (=Permanent) | | | | | | | | | | |
| | | | | prod | d page | PEM | d UF | WB | AC | G RD | OI | prod | need | DEA 4d | UF | WB | AG | RD | OL | PF | FO ^d PSS ^d | | SS^d | PEM ^d | d UF | | WB | AG | 0 | Ĺ |
| | | | (leet) | PFO | PSS | PEM | | WB | AG | | OL | PFO | PSS | PEM | UF | WB | AG | KD | OL | Conv. | Fill | Conv. | Fill | Fill | Conv. | Fill | Fill | Fill | Conv. | Fill |
| BR-1H-W174 | NS-1 | 36.62 | 344 | 0.00 | 0.00 | 0.00 | 1.01 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.67 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1H-W268 | ON-2 | 72.79 (PAR 46) | 547 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1H-W268A | ON-2 | 72.79 (PAR 46) | 547 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1B-W270 | ON-3 | 72.9 | 145 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1P-W074 | ON-4 | 73.32 | 353 | 0.00 | 0.00 | 0.04 | 0.03 | 0.00 | 0.01 | 0.00 | 0.57 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 |
| DE-1W-W125 | ON-4 | 73.45 | 358 | 0.00 | 0.00 | 0.00 | 0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1W-W127 | ON-5 | 75.1 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 |
| DE-1N-W005 | D-10 | 83.96 | 152 | 0.00 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1N-W156A | D-11 | 85.81 | 263 | 0.00 | 0.00 | 0.00 | 0.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1C-W215 | D-13 | 87.04 | 305 | 0.03 | 0.00 | 0.00 | 0.61 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1C-W217 | D-13 | 87.15 | 262 | 0.04 | 0.00 | 0.00 | 0.27 | 0.08 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.11 | 0.08 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| DE-1P-W128 | D-8 | 90.20 - 90.71 | 830 | 0.00 | 0.00 | 0.01 | 1.93 | 0.00 | 0.15 | 0.00 | 0.23 | 0.00 | 0.00 | 0.01 | 0.72 | 0.00 | 0.15 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.21 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 |
| DE-1W-W129 | D-8 | 91 | 0 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SC-1C-W459 | SU-17 | 99.47 | 440 | 0.00 | 0.00 | 0.00 | 0.90 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 |
| SC-1M-W071 | CO-25 | 113.35 | 250 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.07 | 0.00 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SC-1M-W067 | CO-25 | 113.73 | 212 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.32 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 |
| DE-1A-W484 | WD-10 | 86.9 (Contractor Yard 4D) | 0 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | | | - | - | - | | - | - | - | - | - | - | - |
| DE-1A-W487 | WD-10 | 86.9 (Contractor Yard 4D) | 0 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DE-1A-W488 | WD-10 | 86.9 (Contractor Yard 4D) | 0 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Totals | | | 4,461 | 0.07 | 0.00 | 0.05 | 6.88 | 0.16 | 0.67 | 0.00 | 1.00 | 0.04 | 0.00 | 0.05 | 2.97 | 0.16 | 0.67 | 0.00 | 0.46 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 3.70 | 0.21 | 0.00 | 0.00 | 0.54 | 0.00 |

This table has been updated since the November 2013 submittal

PAR=Permanent Access Road; PFO=Palustrine Forested; PSS=Palustrine Scrub-Shrub; PEM=Palustrine Emergent; UF=Upland Forest; WB=Waterbody; OL=Open Land; AG=Agricultural land; RD=Roads

Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys or desktop analysis in those areas where permission has not been granted to conduct field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table.

a: Acreage impacts were calculated in the GIS ArcEditor software using a land use shape file and a workspace shape file created.

b: Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent); Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees within 15 feet of the pipeline with roots that could potentially compromise the pipeline coating will be selectively cut and removed; The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; 50-foot wide permanent easement corridor permanently maintained in herbaceous vegetated cover in uplands (UF, OL); No operational impacts to palustrine emergent wetlands (PEM), waterbodies (WB), agricultural land (AG) or roads (RD) since there is no change in the pre- and post-construction vegetation cover type unless a permanent structure is proposed.

c: Crossing Length of the 100-foot Adjacent Area is measured along the pipeline and does not include the crossing length of a specific land use type.

d: Wetland areas identified within the 100-foot regulated adjacent areas were determined to lack connection to regulated NYSDEC wetlands and, therefore, are not NYSDEC-regulated wetlands themselves.





3.1 <u>WETLAND BR-1H-W174</u>

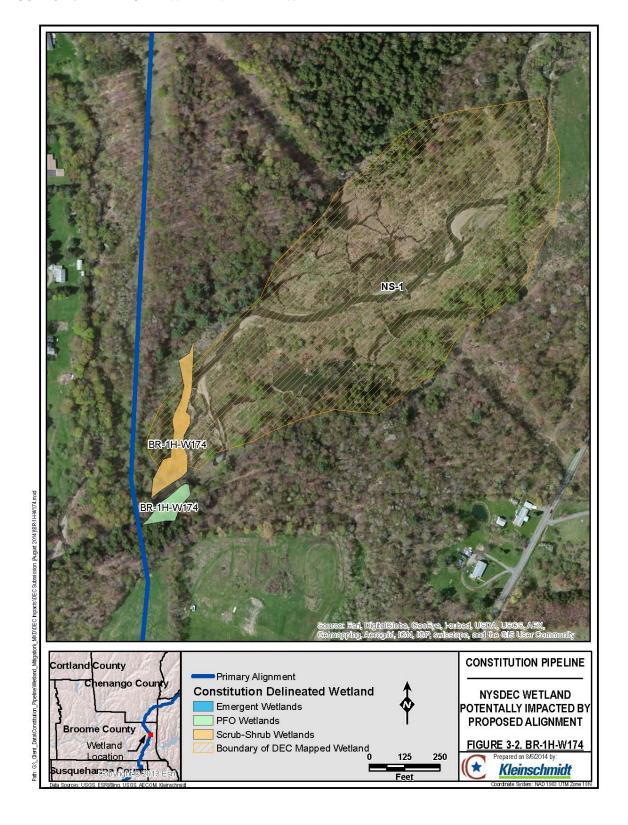
Wetland impacts associated with wetland BR-1H-W174 (Milepost 36.62) occur within the mapped NYSDEC wetland NS-1 (Class II) in Broome County. The wetland occurs along Oquaga Creek in the town of Sanford. Figure 3-2 shows the location of the delineated wetland BR-1H-W174. This wetland was delineated on August 13, 2012. Representative vegetation within the wetland includes green ash (*Fraxinus pennsylvanica*), red maple (*Acer rubrum*), and black willow (*Salix nigra*) in the tree stratum. Shrub layer vegetation includes elderberry (*Sambucus nigra*) and silky willow (*Salix sericea*). Herbaceous vegetation includes ostrich fern (*Matteuccia struthiopteris*), sensitive fern (*Onoclea sensibilis*), rough golden-rod (*Solidago rugosa*), and parasol whitetop (*Doellingeria umbellata*).

Principal functions provided by this wetland include sediment/shoreline stabilization and wildlife habitat. The sediment/shoreline stabilization function relates to the effectiveness of the wetland for stabilizing stream banks and shorelines against erosion. The presence of shoreline vegetation and structure stabilizes sediment and promotes storage of sediment during periods of high water. The wetland is associated with a watercourse and is adjacent to a large, contiguous parcel of upland forest. These characteristics provide important wildlife habitat functions for animals typically associated with wetlands and wetland edges.

In addition to these principal functions, wetland BR-1H-W174 provides several secondary functions and services, including groundwater discharge, flood-flow attenuation, nutrient removal and retention, recreation, and visual quality and aesthetics. These functions and services are due primarily to the proximity of the wetland to a large waterway; therefore, the presence of dense wetland vegetation and fine textured soils provides several water quality functions. In addition, the proximity of the wetland to Oquaga Creek may provide recreation opportunities and visual quality.



FIGURE 3-2: AFFECTED WETLAND BR-1H-W174







3.2 <u>WETLAND DE-1H-W268</u>

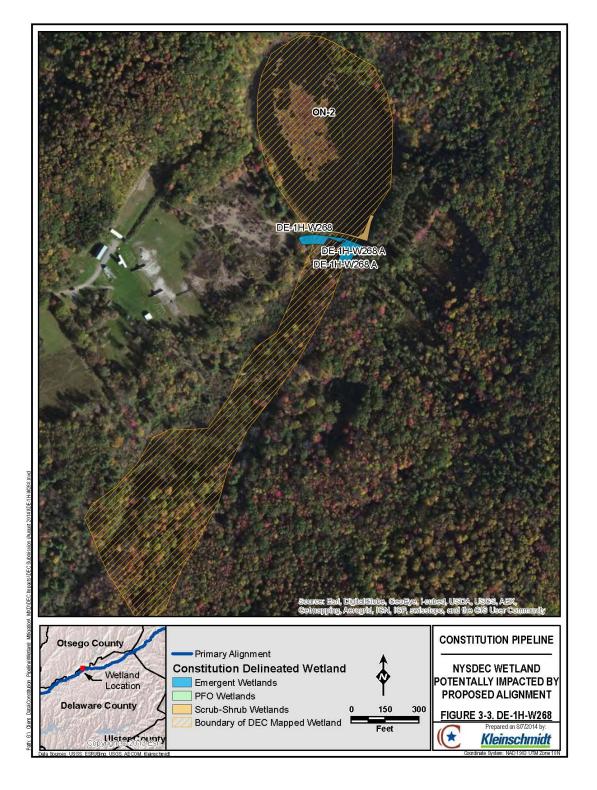
Wetland impacts associated with wetland DE-1H-W268 (Milepost 72.79) occur within the mapped NYSDEC wetland ON-2 (Class II) in Delaware County. The wetland is associated with a man-made impoundment in the town of Franklin and is associated with an access road, PAR 46. The impoundment lies at the headwaters of a stream that flows to the south where it meets Outlet Creek. Figure 3-3 shows the location of the delineated wetland DE-1H-W268. This wetland was delineated on April 2, 2013, and includes areas of scrub-shrub and forested wetland. Representative vegetation within the scrub-shrub wetland includes speckled alder, high-bush blueberry (*Vaccinium corymbosum*), meadowsweet (*Spiraea latifolia*), and tartarian honeysuckle (*Lonicera tatarica*). Sensitive fern, fowl manna grass (*Glyceria striata*), soft rush (*Juncus effusus*), sallow sedge (*Carex lurida*), flat-top goldentop, golden rod, and water horehound (*Lycopus rubellus*) dominate the herbacious vegetation in scrub-shrub habitats.

The principal function provided by this wetland is wildlife habitat. The wetland is adjacent to a largely undeveloped area and includes a combination of open water areas and emergent vegetation; therefore, the wetland provides wildlife habitat for warm-water species (e.g., painted turtles, green frogs, waterfowl).

In addition to the principal function, the wetland provides several secondary functions including groundwater recharge/discharge and flood-flow attenuation. These functions are due primarily to the wetland having dense vegetation, slow moving water, and a constricted outlet that promote retention of nutrients and sediment or high water.



FIGURE 3-3: AFFECTED WETLAND DE-1H-W268





3.3 <u>WETLAND DE-1H-W268A</u>

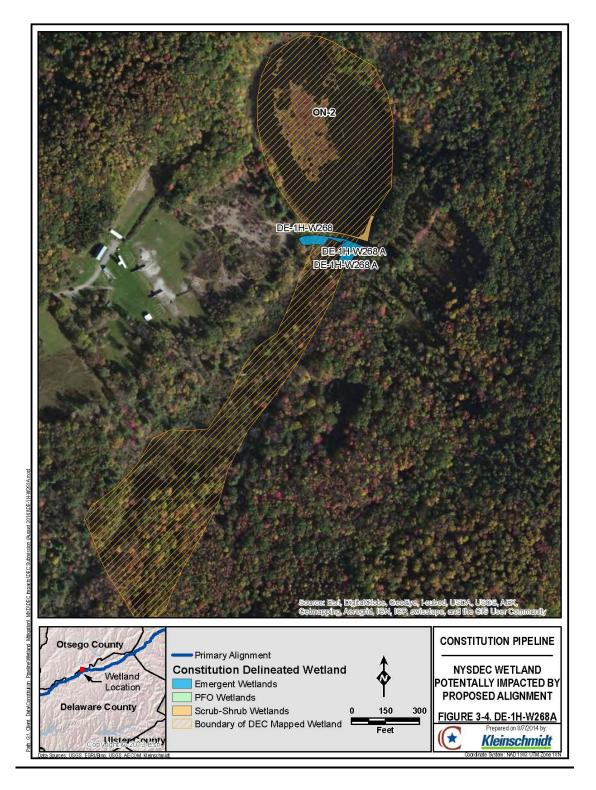
Wetland impacts associated with wetland DE-1H-W268A (Milepost 72.79) occur within the mapped NYSDEC wetland ON-2 (Class II) in Delaware County. The wetland is associated with a man-made impoundment in the town of Franklin and is associated with an access road, PAR 46. The impoundment lies at the headwaters of a stream that flows to the south where it meets Outlet Creek. Figure 3-4 shows the location of the delineated wetland DE-1H-W268A. This wetland was delineated on April 2, 2013, and includes areas of scrub-shrub and forested wetland. Representative vegetation within the scrub-shrub wetland includes speckled alder, high-bush blueberry (*Vaccinium corymbosum*), meadowsweet (*Spiraea latifolia*), and tartarian honeysuckle (*Lonicera tatarica*). Sensitive fern, fowl manna grass (*Glyceria striata*), soft rush (*Juncus effusus*), sallow sedge (*Carex lurida*), flat-top goldentop, golden rod, and water horehound (*Lycopus rubellus*) dominate the herbacious vegetation in scrub-shrub habitats.

The principal function provided by this wetland is wildlife habitat. The wetland is adjacent to a largely undeveloped area and includes a combination of open water areas and emergent vegetation; therefore, the wetland provides wildlife habitat for warm-water species (e.g., painted turtles, green frogs, waterfowl).

In addition to the principal function, the wetland provides several secondary functions including groundwater recharge/discharge and flood-flow attenuation. These functions are due primarily to the wetland having dense vegetation, slow moving water, and a constricted outlet that promote retention of nutrients and sediment or high water.



FIGURE 3-4: AFFECTED WETLAND DE-1H-W268A





WETLAND DE-1B-W270

3.4

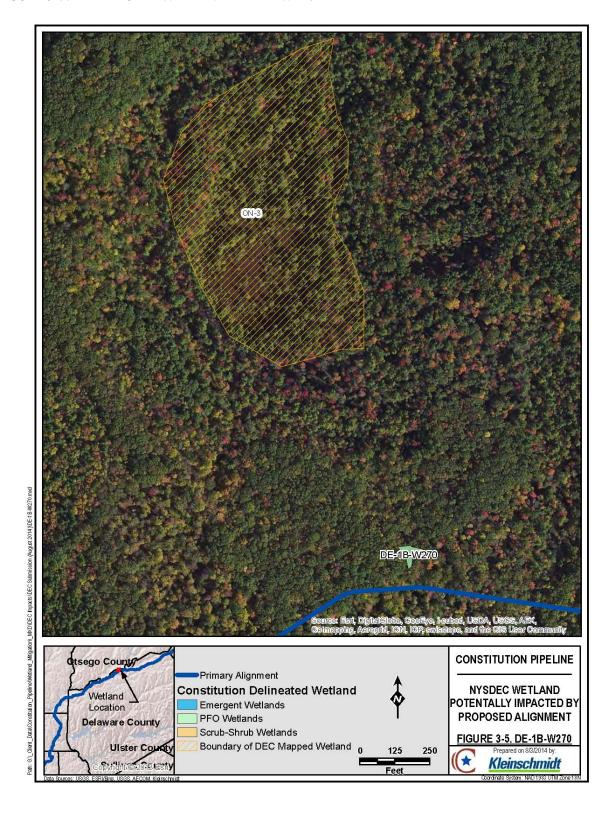
3-12

Wetland impacts associated with wetland DE-1B-W270 (Milepost 72.90) involve NYSDEC wetland ON-4 (Class II) in Delaware County. The wetland occurs at the headwater of an unnamed stream that is a tributary of the Susquehanna River. Figure 3-5 shows the location of the delineated wetland DE-1B-W270. This wetland was delineated on July 3, 2013. Representative vegetation within the wetland includes white pine (*Pinus strobus*), yellow birch, American beech (*Fagus grandifolia*), and red maple in the tree stratum. Shrub layer vegetation includes saplings of red oak (*Quercus rubra*), yellow birch, and common buckthorn (*Rhamnus cathartica*). Herbaceous vegetation includes sensitive fern, cinnamon fern (*Osmunda cinnamomea*), jewelweed (*Impatiens capensis*), water horsetail (*Equisetum fluviatile*), and swamp dew-berry (*Rubus hispidus*).

The principal function provided by this wetland is wildlife habitat. The wetland is a large forested and scrub-shrub complex that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest that increases the habitat value for wildlife. Secondary functions include groundwater recharge/discharge, and water quality functions (sediment, nutrients, and toxins retention and transformation).



FIGURE 3-5: AFFECTED WETLAND DE- 1B-W270





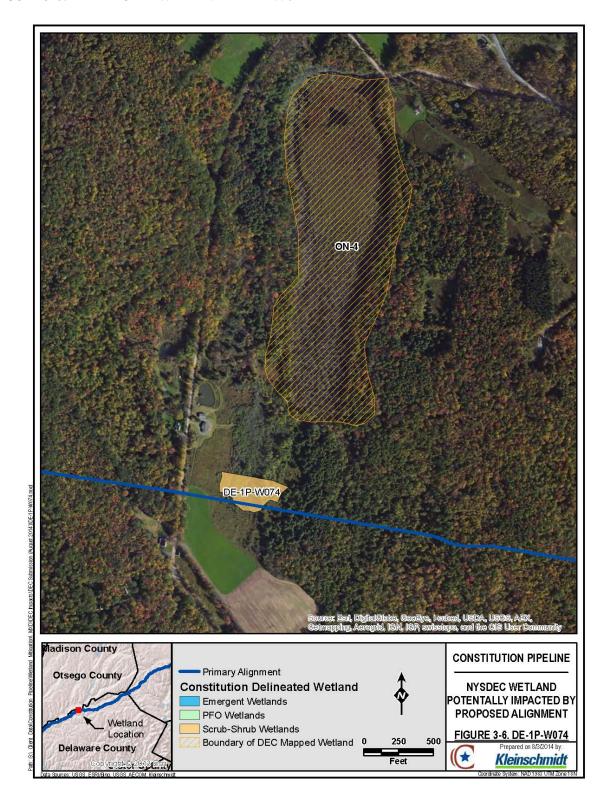
3.5 <u>WETLAND DE-1P-W074</u>

Wetland impacts associated with wetland DE-1P-W074 (Milepost 73.32) occur within the mapped NYSDEC wetland ON-4 (Class II) in Delaware County. The wetland occurs in the headwaters of Swart Hollow, which drains to the Susquehanna River. Figure 3-6 shows the location of the delineated wetland DE-1P-W074. This wetland was delineated on July 7, 2012. Representative vegetation within this portion of the wetland includes white pine (*Pinus strobus*) in the tree stratum. Black willow (*Salix nigra*) and buckthorn (*Rhamnus cathartica*) dominate the shrub layer vegetation. Herbaceous vegetation includes sensitive fern, blue flag iris (*Iris versicolor*), rough goldenrod (*Salidago rugosa*), and slender goldentop (*Euthamia caroliniana*).

The principal functions provided by this wetland are wildlife habitat and water quality functions. The wetland is a large forested, scrub-shrub, emergent, and open water complex that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest that increases the habitat value for wildlife. Water quality functions are due primarily to the wetland having dense vegetation, slow-moving water, and a constricted outlet that promote storage of water within the upper portion of the watershed. Upstream from the wetland are areas of active agriculture; therefore, the configuration of the wetland and the presence of dense vegetation increase the value of the wetland for the trapping sediment and removing nutrients. In addition to the principal functions, the wetland provides groundwater recharge/discharge as a secondary function.



FIGURE 3-6: AFFECTED WETLAND DE-1P-W074





3.6 <u>WETLAND DE-1W-W125</u>

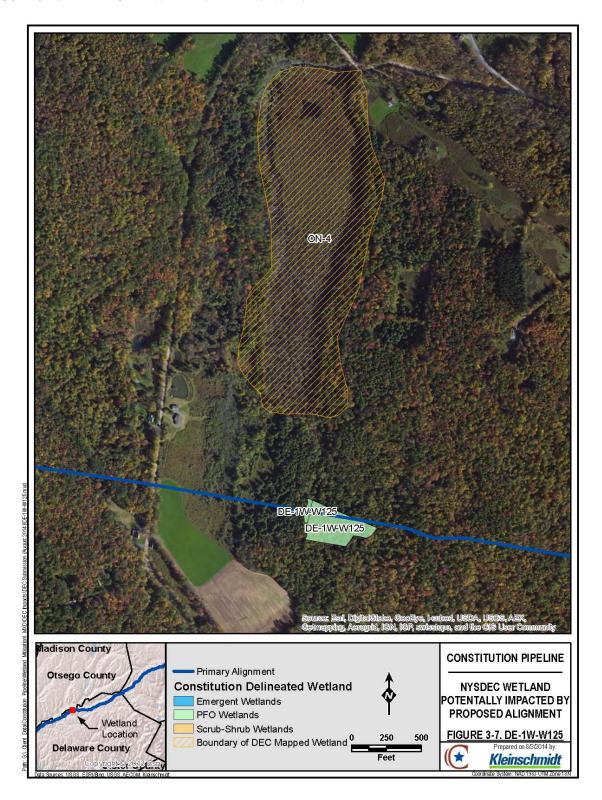
Wetland impacts associated with wetland DE-1W-W125 (Milepost 73.45) occur within the mapped NYSDEC wetland ON-4 (Class II) in Delaware County. The wetland occurs at the headwater of an unnamed stream that is a tributary of the Susquehanna River. Figure 3-7 shows the location of the delineated wetlands DE-1W-W125. This wetland was delineated on July 27, 2012. Representative vegetation within the wetland includes hemlock, yellow birch, and red maple in the tree stratum. Shrublayer vegetation includes saplings of hemlock and yellow birch. Herbaceous vegetation includes sensitive fern, jewelweed, and cinnamon fern.

The principal function provided by this wetland is wildlife habitat. The wetland is a large, forested and scrub-shrub complex that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest that increases the habitat value for wildlife.

In addition to this principal function the wetland provides several secondary functions, including groundwater recharge/discharge, sediment and toxicant reduction, and nutrient removal and retention. These functions are due primarily to the wetland having dense vegetation, slow moving water, and a constricted outlet that promote retention of nutrients and sediment.



FIGURE 3-7: AFFECTED WETLAND DE-1W-W125





3.7 <u>WETLAND DE-1W-W127</u>

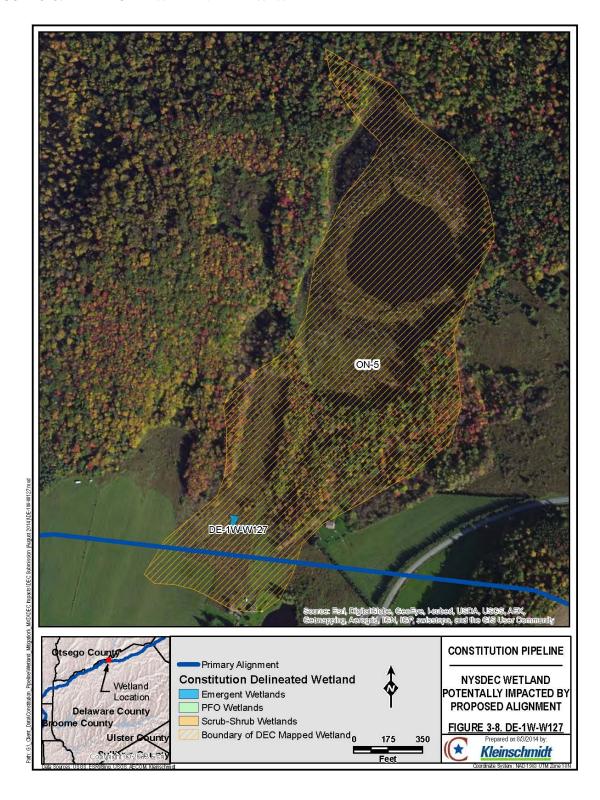
Wetland impacts associated with wetland DE-1W-W127 (Milepost 73.10) occur within the mapped NYSDEC wetland ON-5 (Class II), Emmons Pond, in Delaware County. The wetland occurs at the headwater of an unnamed stream that drains north to meet the Susquehanna River. Figure 3-8 shows the location of the delineated wetland DE-1W-W127. The pond is a kettle pond that formed following the glacial retreat approximately 11,000 years ago. This wetland was delineated on July 7, 2012. Representative vegetation within the wetland is primarily emergent and includes wool grass, dark-green bulrush (*Scirpus atrovirens*), slender goldentop, giant goldenrod, and timothy grass (*Phleum pretense*).

The principal functions and services provided by this wetland are wildlife habitat, flood-flow attenuation production export, visual quality and aesthetics, education and scientific value, recreation, and uniqueness and heritage. The wetland is a large forested and scrub-shrub complex that is likely to provide habitat for a variety of wildlife. The wetland occurs at the headwaters of the unnamed stream and has the potential to attenuate high waters and, therefore, provides flood-flow attenuation. The constricted outlet and presence of accumulated organic material increase the production export function.

The wetland also is part of a nature preserve, and portions of the wetland (outside of proposed impact areas) include bog vegetation, such as leather leaf (*Chamaedaphne calyculata*), buckbean (*Menyanthes trifoliata*), cotton grass (*Eriophorum angustifolium*), pitcher plants (*Sarracenia spp.*), and sheep laurel (*Kalmia angustifolia*). The public has access to this wetland area; therefore, scenery, education, and recreation are principal services.



FIGURE 3-8: AFFECTED WETLAND DE-1W-W127





3.8 <u>WETLAND DE-XX-W83.71</u>

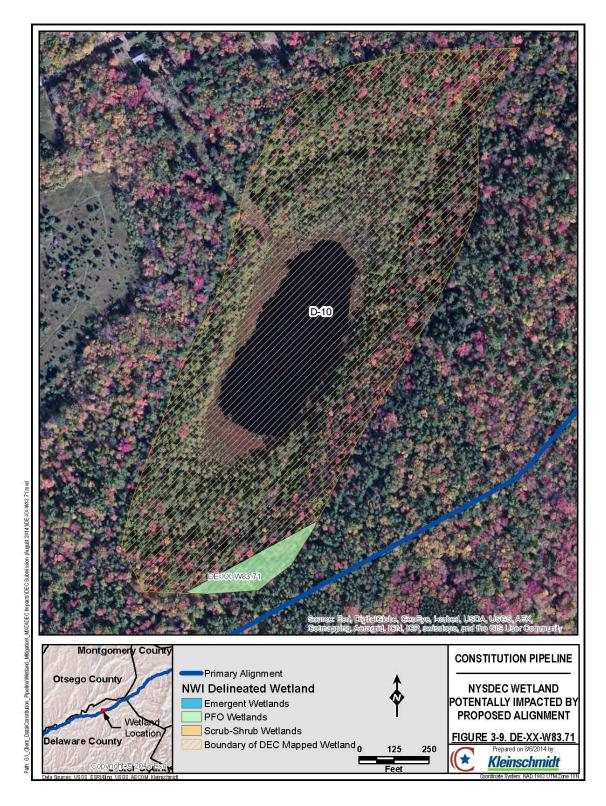
Wetland impacts associated with wetland DE-XX-W83.71 occur within the mapped areas adjacent to NYSDEC wetland D-10 (Class II) in Delaware County. The wetland is associated with Mud Lake which drains to the north to Charlotte Creek. Figure 3-9 shows the location of DE-XX-W83.71 that was delineated based on NWI mapping. Representative vegetation within impacted areas of this wetland is likely similar to the composition of the adjacent wetlands in the area and likely includes eastern hemlock and red maple in the tree stratum. High-bush blueberry or dogwood (*Cornus spp.*) is likely to occur in the shrub-layer vegetation. Herbaceous vegetation may include sensitive fern, cinnamon fern and sphagnum moss.

The principal function provided by this wetland is wildlife habitat. The wetland is a large forested, scrubshrub, emergent and open water complex that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest and open water (Mud Lake) that increase the habitat value for wildlife.

In addition to the principal function, the wetland provides several secondary functions, including groundwater recharge/discharge, some floodflow retention, sediment/toxicant retention, and nutrient removal/retention and transformation. These functions and values are due primarily to the wetland having dense vegetation, slow-moving water, and a constricted outlet that promote storage of water within the upper portion of the watershed.



FIGURE 3-9: AFFECTED WETLAND DE-XX-W83.71







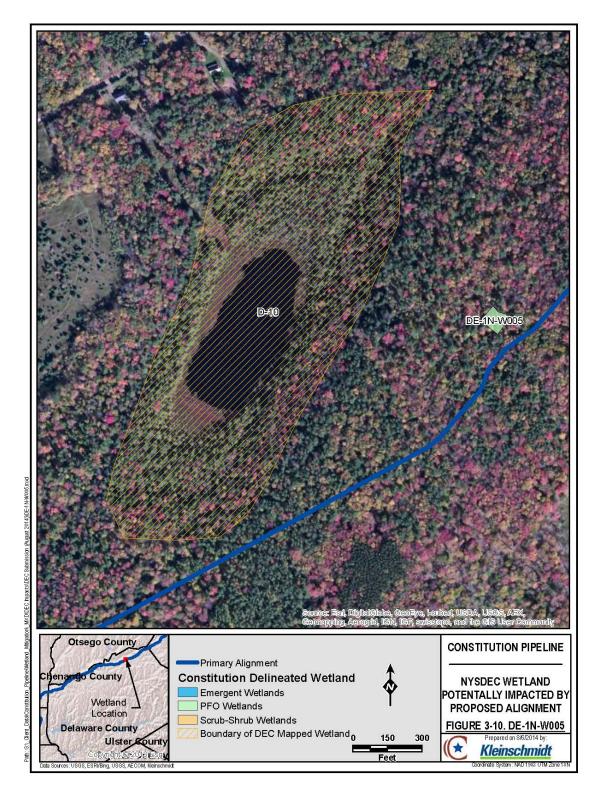
3.9 <u>WETLAND DE-1N-W005</u>

Wetland impacts associated with wetland DE-1N-005 (Milepost 83.96) involve the mapped NYSDEC wetland D-10 (Class II) in Delaware County. The wetland is associated with and drains northwest to Mud Lake. Figure 3-10 shows the location of the delineated wetland DE-1N-W005. This wetland was delineated on July 7, 2012. Vegetation within the wetland is dominated by red maple in the tree stratum. Shrub layer vegetation includes primarily high bush blueberry. Herbaceous vegetation includes red maple (sprouts), wool grass (*Scirpus cyperinus*), lurid sedge, cattail (*Typha latifolia*), and meadow sweet.

The principal function provided by this wetland is wildlife habitat. The wetland is a large forested that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest that increases the habitat value for wildlife. Although this wetland is associated with Mud Lake, landscape position provides no significant storage of floodwater.



FIGURE 3-10: AFFECTED WETLAND DE-1N-W005





3.10 <u>WETLAND DE-1G-W011</u>

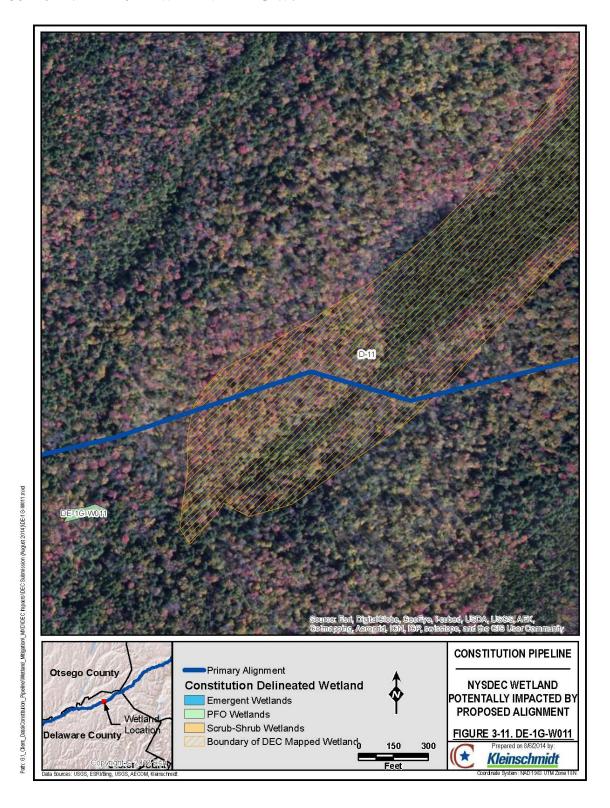
Wetland impacts associated with wetland DE-1G-W011 occur within the mapped NYSDEC wetland D-11 (Class II) in Delaware County. The wetland occurs along the drainage divide of Kortright Creek and Middle Brook and is in close proximity to wetland DE-1N-W156A. The wetland lies just south of Sexsmith Lake. Figure 3-11 shows the location of the delineated wetland DE-1G-W011. This wetland was delineated on August 20, 2012. Representative vegetation within this portion of the wetland includes eastern hemlock, green ash, and American hophornbeam (*Ostrya virginiana*) in the tree stratum. Red maple and green ash dominates the shrub and sapling layer vegetation. Herbaceous vegetation includes Jack in the pulpit (*Arisaema triphyllum*), sorrel (*Oxalis Montana*), and bog fern (*Thelypteris simulata*).

The principal function provided by this wetland is wildlife habitat. The wetland is a large forested and scrub-shrub complex that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest and open water (Sexsmith Lake) that increase the habitat value for wildlife.

In addition to the principal function, the wetland provides several secondary functions, including groundwater recharge/discharge, sediment/toxicant retention, and nutrient removal/retention and transformation. These functions and values are due primarily to the wetland having dense vegetation, slow-moving water, and a constricted outlet that promote storage of water within the upper portion of the watershed.



FIGURE 3-11: AFFECTED WETLAND DE-1G-W011





3.11 <u>WETLAND DE-1N-W156A</u>

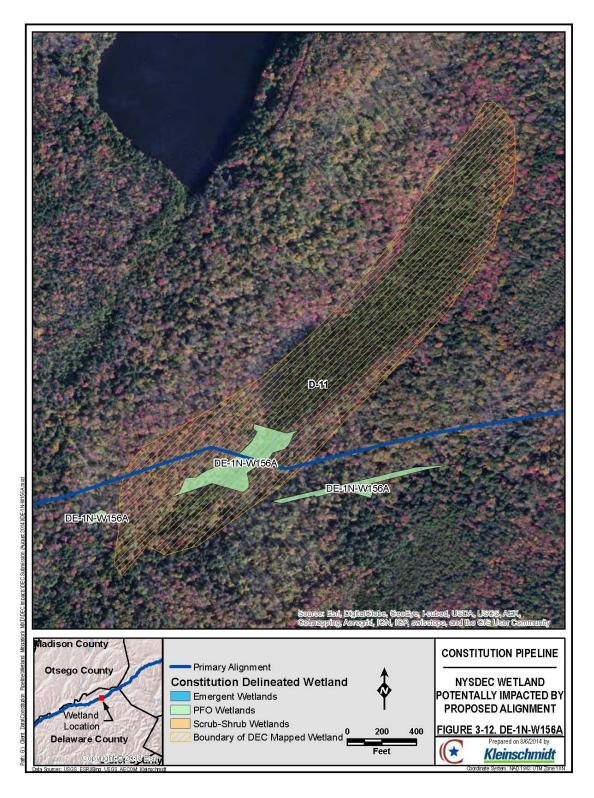
Wetland impacts associated with wetland DE-1W-W156A (Milepost 85.81) occur within the mapped NYSDEC wetland D-11 (Class II) in Delaware County. The wetland occurs along the drainage divide of Kortright Creek and Middle Brook. The wetland lies just south of Sexsmith Lake. Figure 3-12 shows the location of the delineated portion of the wetland as well as the mapped NYSDEC wetland polygon. This wetland was delineated on August 20, 2012. Representative vegetation within this portion of the wetland includes eastern hemlock and red maple in the tree stratum. High-bush blueberry dominates the shrub layer vegetation. Herbaceous vegetation includes cinnamon fern and sphagnum moss.

The principal function provided by this wetland is wildlife habitat. The wetland is a large forested and scrub-shrub complex that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest and open water (Sexsmith Lake) that increase the habitat value for wildlife.

In addition to the principal function, the wetland provides several secondary functions, including groundwater recharge/discharge, sediment/toxicant retention, and nutrient removal/retention and transformation. These functions and values are due primarily to the wetland having dense vegetation, slow-moving water, and a constricted outlet that promote storage of water within the upper portion of the watershed.



FIGURE 3-12: AFFECTED WETLAND DE-1N-W156A





3.12 WETLAND DE-1C-W215/217

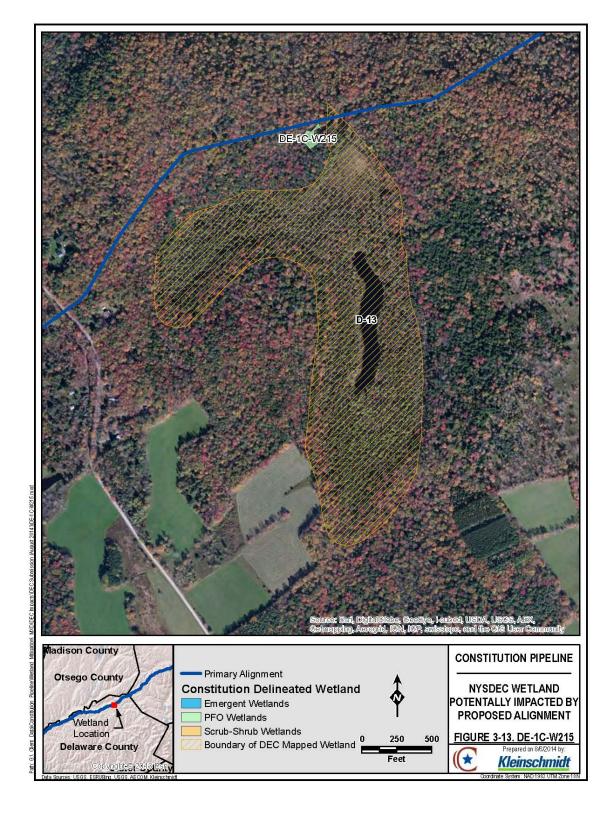
Wetland impacts associated with wetlands DE-1C-W215 and DE-1C-W217 (Milepost 87.04) occur within the mapped NYSDEC wetland D-13 (Class II) in Delaware County. The entire wetland is generally a basin configuration that surrounds and includes Mud Lake, which drains north to Middle Brook. Figure 3-13 and Figure 3-14 show the location of the delineated wetland DE-1C-W215 and DE-1C-W217. These wetlands were delineated on December 10, 2012. Representative vegetation within delineated portions of the wetland includes eastern hemlock (*Tsuga canadensis*) and red maple in the tree stratum. Yellow birch and hornbeam (*Ostrya virginiana*) dominate the shrub layer vegetation. Herbaceous vegetation includes lurid sedge (*Carex lurida*), intermediate wood fern (*Dryopteris intermedia*), and shinning club moss (*Huperzia lucidula*).

The principal function provided by this wetland is wildlife habitat. The wetland is a large forested and scrub-shrub complex that includes a large area of open water. The combination of forested and open water habitats provides habitat for cavity nesting birds and terrestrial wildlife as well as aquatic species (e.g., turtles, frogs) and waterfowl. The wetland is adjacent to a larger area of undeveloped forest. The wetland is located at the headwater of an unnamed stream that drains to Middle Creek.

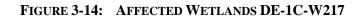
In addition to the principal function, the wetland provides several secondary functions, including sediment and toxicant retention and nutrient removal and transformation. These functions are due primarily to the presence of open water habitats in combination with forested wetland vegetation and potential sources of sediment and nutrients (from agriculture) in the vicinity.

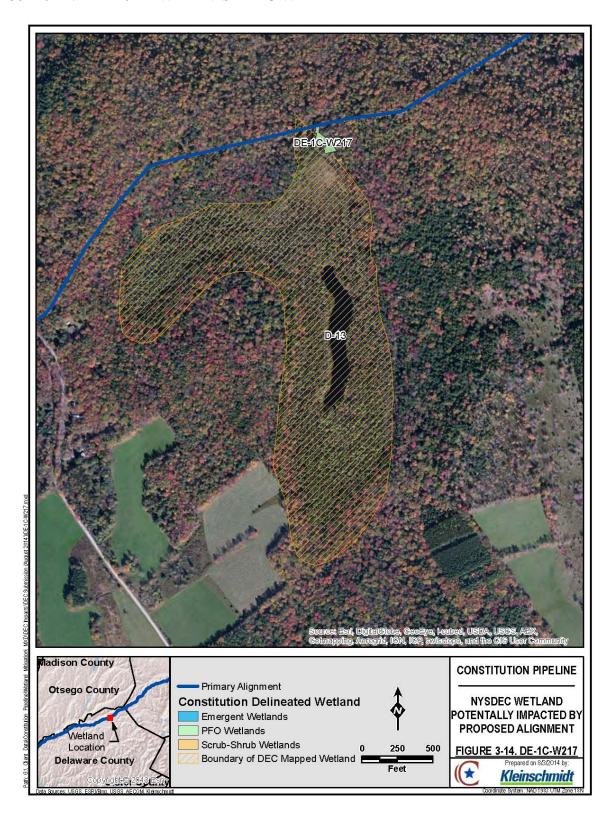


FIGURE 3-13: AFFECTED WETLANDS DE-1C-W215











3.13 <u>WETLAND DE-1P-W128</u>

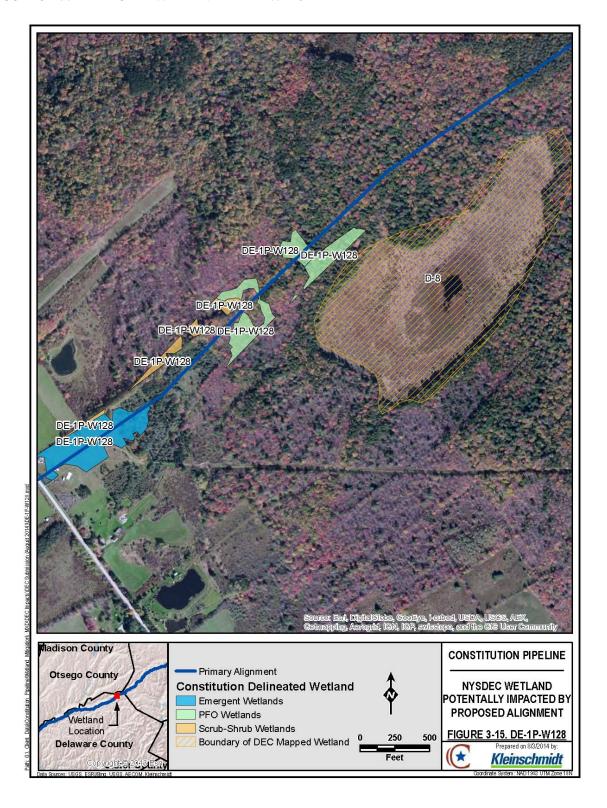
Wetland impacts associated with wetland DE-1P-W128 (Milepost 90.21) occur within the mapped NYSDEC wetland D-8 (Class II) in Delaware County. The wetland is generally a side slope configuration associated with NYSDEC wetland D-8, which drains south to an unnamed tributary to Tedle Brook. Figure 3-15 shows the location of the delineated wetland DE-1P-W128. This wetland was delineated on August 6, 2012, and is a large wetland complex that includes areas of emergent and forested wetlands. Representative vegetation within the forested portion of the wetland includes yellow birch and red maple in the tree stratum. Arrowwood (*Vibrunum dentatum*), meadowsweet, and high-bush blueberry dominate the shrub layer vegetation. Herbaceous vegetation includes goldenrod, fringed sedge (*Carex crinita*), and slender goldtop. Emergent portions of the delineated wetland include fox sedge (*Carex vulpinoidea*), wool grass, soft rush, reed canary grass (*Phalaris arundinacea*), and blackgirdle bulrush (*Scirpus atrocinctus*).

The principal function provided by this wetland is wildlife habitat. Forested portions of the wetland are adjacent to larger areas of undeveloped forested habitat, and the combination of forest and open water (NYSDEC wetland D-8) provides habitat for cavity nesting birds and terrestrial wildlife as well as aquatic species (e.g., turtles, frogs, waterfowl). The wetland is adjacent to a larger area of undeveloped forest.

In addition to the principal function, the wetland provides several secondary functions, including groundwater recharge/discharge, sediment and toxicant retention, and nutrient retention and transformation. Nutrient removal/retention/transformation is a function that relates to the effectiveness of a wetland for preventing the adverse effects of excess nutrients entering waterbodies (i.e., ponds, lakes, or rivers). In the case of this wetland, the adjacent agricultural activity may serve as a source of excessive nutrient inputs. The wetland contains diverse wetland vegetation and fine soil, which increase residence time and the wetland's capacity to retain excess nutrients.



FIGURE 3-15: AFFECTED WETLAND DE-1P-W128







3.14 <u>WETLAND DE-1W-W129</u>

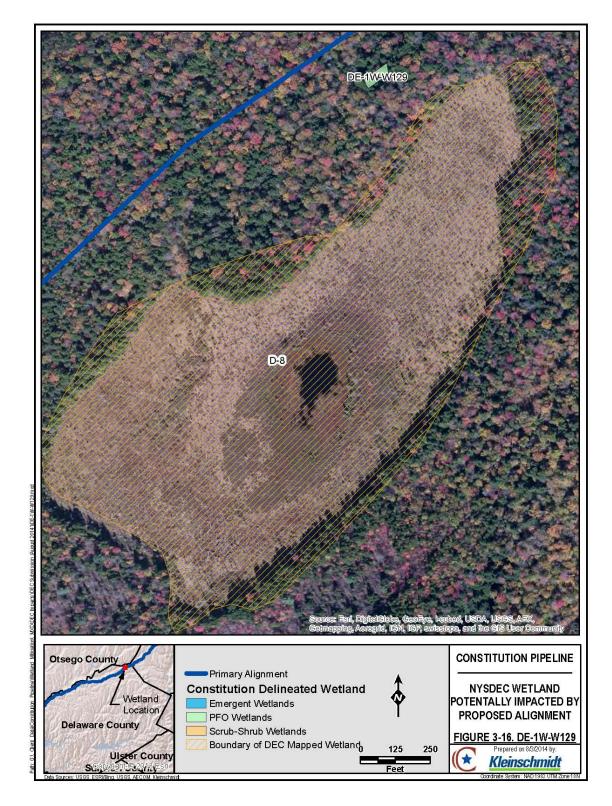
Wetland impacts associated with wetland DE-1W-W129 occur within the mapped NYSDEC wetland D-8 (Class II) in Delaware County. The wetland occurs at the headwater of an unnamed stream that drains to the south to Tedle Brook. Figure 3-16 shows the location of the delineated wetland DE-1W-W129. This wetland was delineated on August 6, 2012. Representative vegetation within this portion of the wetland includes eastern hemlock, red maple, and yellow birch in the tree stratum. Eastern hemlock dominates the shrub layer vegetation. Fancy fern (*Dryopteris intermedia*) dominates the herbaceous vegetation.

The principal function provided by this wetland is wildlife habitat. The wetland is a large forested and scrub-shrub complex that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest that increases the habitat value for wildlife.

In addition to the principal function, the wetland provides several secondary functions, including floodflow attenuation and production export. These functions and values are due primarily to the wetland having dense vegetation, slow-moving water, and a constricted outlet that promote storage of water within the upper portion of the watershed. Outside of the affected area the wetland includes areas of emergent and open water habitats.



FIGURE 3-16: AFFECTED WETLAND DE-1W-W129



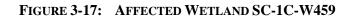


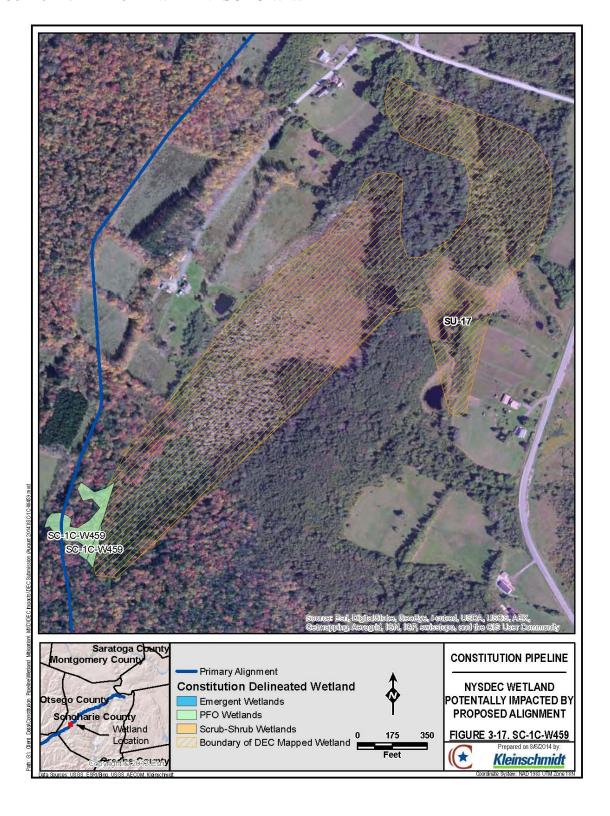
3.15 <u>WETLAND SC-1C-W459</u>

Wetland impacts associated with wetland SC-1C-W459 (milepost 99.47) involve NYSDEC wetland SU-17 (Class II) in Schoharie County. The wetland occurs at the headwater of an unnamed stream that drains to Baldwin Pond to the south east. Figure 3-17 shows the location of the delineated wetland SC-1C-W459. This wetland was delineated on December 12, 2013. Representative vegetation within the wetland includes black spruce (*Picea mariana*) and red maple in the tree stratum. Shrub layer vegetation includes meadowsweet and speckled alder. Sensitive fern dominates the herbaceous vegetation.

The principal function provided by this wetland is wildlife habitat. The wetland is a large forested and scrub-shrub complex that is likely to provide habitat for a variety of wildlife. This wetland occurs in an area of agricultural development and is bounded on all sides by cleared fields or roadways. The connectivity of this wetland to other forested habitats is limited.









3.16 <u>WETLAND SC-1M-W071</u>

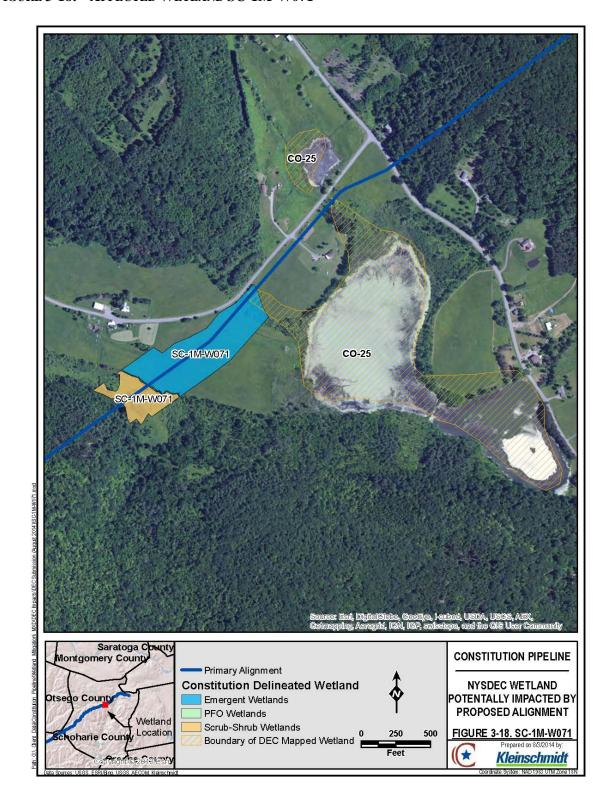
Wetland impacts associated with wetland SC-1M-W071 (Milepost 113.35) occur within the mapped NYSDEC wetland CO-25 (Class II) in Schoharie County. The wetland is located within agricultural fields and directly adjacent to NYSDEC wetland CO-25, which is a large unconsolidated bottom (PUB) wetland. Water is conveyed downslope to the east through an unnamed stream and meets the Schoharie River. Figure 3-18: shows the location of the delineated wetland SC-1M-W071. This wetland was delineated on August 24, 2012, and is within the same wetland complex as SC-1M-W067. The wetland is emergent, and herbaceous vegetation includes sensitive fern, soft rush, reed canary grass, green bulrush, flat-top goldentop, water horsetail, wool grass, and rattlesnake grass (*Glyceria canadensis*).

The principal function provided by this wetland is nutrient removal and retention and sediment toxicant removal. The delineated portion of the wetland is highly disturbed because it occurs within an agricultural field. Nutrient removal/retention/transformation is a function that relates to the effectiveness of a wetland for preventing the adverse effects of excess nutrients entering waterbodies (i.e., ponds, lakes, or rivers). In the case of this wetland, the adjacent agricultural activity may serve as a source of excessive nutrient inputs. The wetland contains diverse wetland vegetation and fine soil that increase residence time and the wetland's capacity to retain excess nutrients. The dense vegetation and slow flow-through allow the wetland to trap the sediment from nearby roadways and other sources.

The principal functions of this wetland are related to water quality. Limited wildlife habitat is the only secondary function because this wetland is highly disturbed.



FIGURE 3-18: AFFECTED WETLAND SC-1M-W071





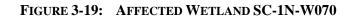
3.17 <u>WETLAND SC-1N-W070</u>

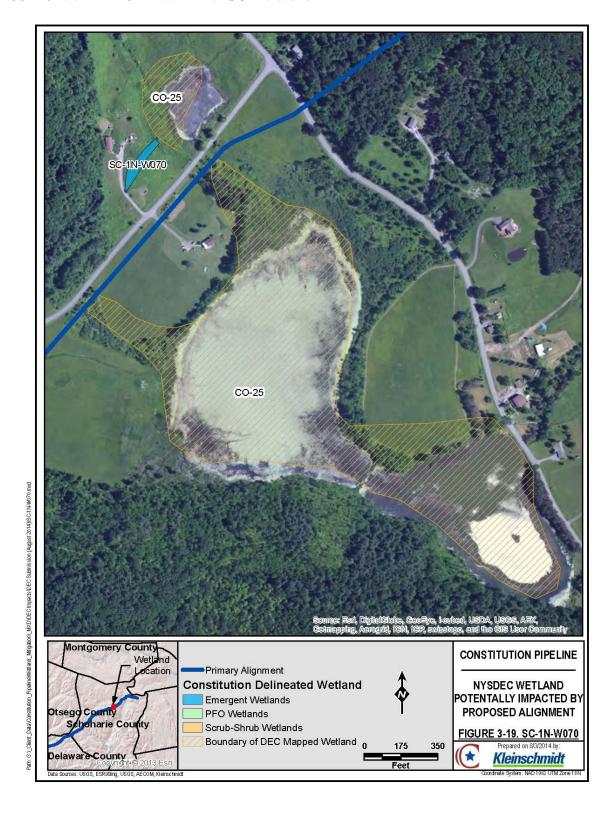
Wetland impacts associated with wetland SC-1M-W070 and is adjacent to the mapped NYSDEC wetland CO-25 (Class II) in Schoharie County. The wetland is located within agricultural fields and directly adjacent to NYSDEC wetland CO-25, which is a large unconsolidated bottom (PUB), emergent, and scrub-shrub wetland. Water is conveyed downslope to the east through an unnamed stream and meets the Schoharie River. Figure 3-19 shows the location of the delineated portion of wetland SC-1N-W070. This wetland was delineated on August 23, 2012 and is adjacent to wetland SC-1N-W071. The wetland is emergent, and herbaceous vegetation is dominated by reed canary grass. Occasionally silky willow (*Salix sericea*) occurs within the shrub stratum.

The principal function provided by this wetland is nutrient removal and retention and sediment toxicant removal. The delineated portion of the wetland is highly disturbed as it occurs within an agricultural field. Nutrient removal/retention/transformation is a function that relates to the effectiveness of a wetland for preventing the adverse effects of excess nutrients entering waterbodies (i.e., ponds, lakes, or rivers). In the case of this wetland, the adjacent agricultural activity may serve as a source of excessive nutrient inputs. The wetland contains diverse wetland vegetation and fine soil that increase residence time and the wetland's capacity to retain excess nutrients. Similarly, the wetland is near roadways and other sources of sediment; dense vegetation and slow flow-through allow the wetland to trap the sediment.

The principal functions of this wetland are related to water quality. Limited wildlife habitat is the only secondary function because this wetland is highly disturbed.









3.18 <u>WETLAND SC-1M-W067</u>

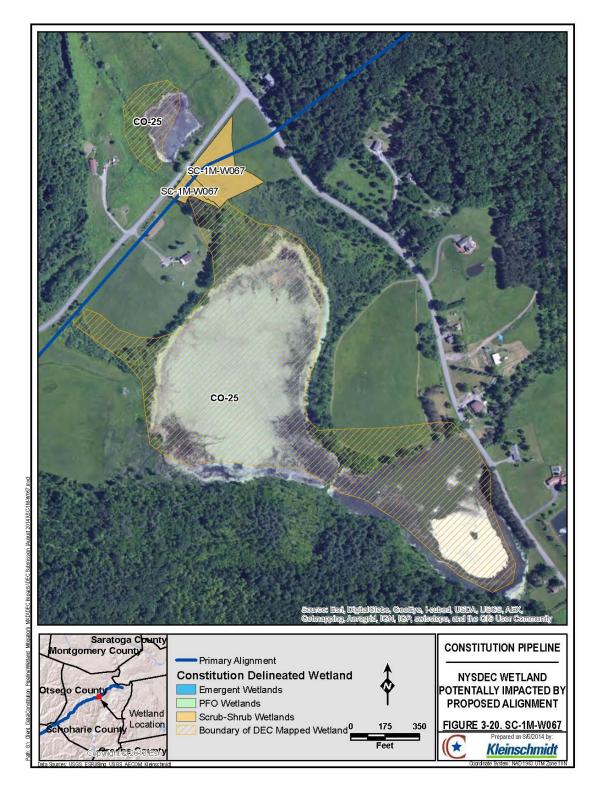
Wetland impacts associated with wetland SC-1M-W067 (Milepost 113.73) occur within the mapped NYSDEC wetland CO-25 (Class II) in Schoharie County. The wetland is located within agricultural fields and directly adjacent to NYSDEC wetland CO-25, which is a large palustrine unconsolidated bottom (PUB) wetland. Water is conveyed downslope to the east through an unnamed stream and meets the Schoharie River. Figure 3-20 shows the location of the delineated wetland SC-1M-W067. This wetland was delineated on August 23, 2012, and is within the same wetland complex as SC-1M-W071. The wetland contains emergent and shrub layer vegetation. Herbaceous vegetation includes sensitive fern, reed canary grass, and cattail. Willow, gray dogwood, and speckled alder dominate shrub layer vegetation.

The principal function provided by this wetland is nutrient removal and retention and sediment toxicant removal. The delineated portion of the wetland is highly disturbed because it occurs within an agricultural field. Nutrient removal/retention/transformation is a function that relates to the effectiveness of a wetland for preventing the adverse effects of excess nutrients entering waterbodies (i.e., ponds, lakes, or rivers). In the case of this wetland, the adjacent agricultural activity may serve as a source of excessive nutrient inputs. The wetland contains diverse wetland vegetation and fine soil that increase residence time and the wetland's capacity to retain excess nutrients. Similarly, the wetland is near roadways and other sources of sediment, and dense vegetation and slow flow-through allow this wetland to trap sediment.

The principal functions of this wetland are related to water quality improvements. Due to the highly disturbed nature of this wetland, the only secondary function is limited wildlife habitat.



FIGURE 3-20: AFFECTED WETLAND SC-1M-W067





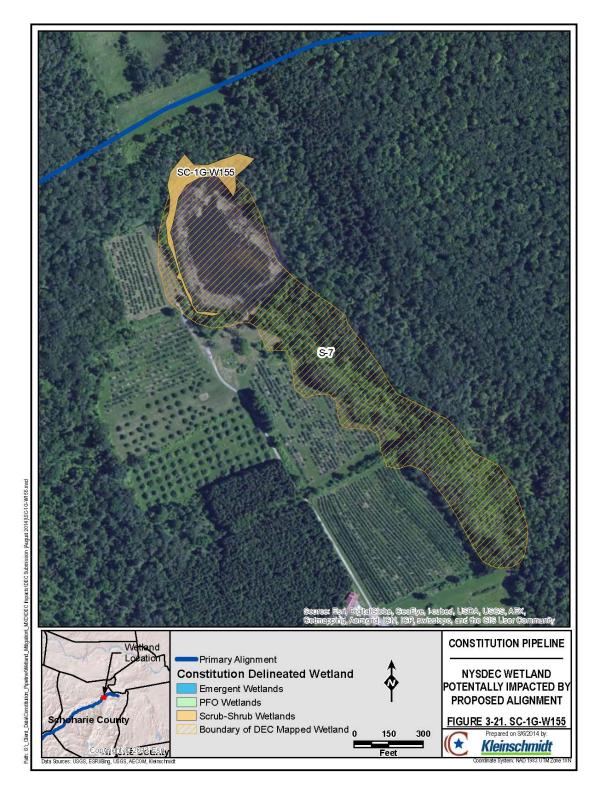
3.19 WETLAND SC-1G-W155

Wetland impacts associated with wetland SC-1G-W155 occur within the mapped NYSDEC wetland S-7 (Class II) in Schoharie County. The wetland occurs within a saddle between Terrace Mountain and Schoharie Hill. Figure 3-21 shows the location of the delineated portion of wetland SC-1G-W155. This wetland was delineated on August 29, 2012. The delineated portion of the wetland is primarily dominated by red osier dogwood (*Cornus stolonifera*), gray dogwood (*Cornus rasemosa*), and shining willow (*Salix lucida*). Herbaceous vegetation is dominated by darkgreen bulrush, cattail, reed canary grass (*Phalaris arundinacea*), and bladder sedge (*Carex crinita*). Outside of the delineated wetland the complex includes areas of forested, emergent and open water wetlands.

The principal function provided by this wetland is wildlife habitat and water quality functions. The wetland is a large complex that is likely to provide habitat for a variety of wildlife. The wetland is adjacent to a larger area of interconnected forest that increases the habitat value for wildlife. Adjacent to portions of this wetland are areas of agriculture and residential development, with the areas of open water, dense vegetation, and high retention times this wetland also functions to retain sediments and nutrients.



FIGURE 3-21: AFFECTED WETLAND SC-1G-W155





3-45

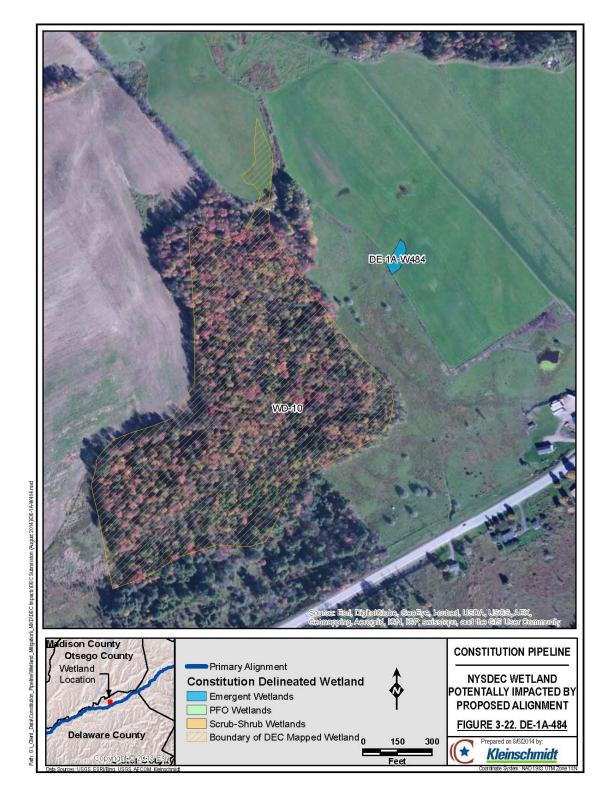
3.20 <u>WETLAND DE-1A-484</u>

Wetland impacts associated with wetland DE-1A-484 involve NYSDEC wetland WD-10 (Class II) in Delaware County. The wetland is located within agricultural fields associated with a contractor yard (spread 4D). Figure 3-22 shows the location of the delineated wetland DE-1A-484. This wetland was delineated on July 3, 2013. The wetland contains emergent and shrub layer vegetation. Herbaceous vegetation includes sensitive fern, reed canary grass, and cattail. Willow, gray dogwood, and speckled alder dominate shrub layer vegetation.

The principal function provided by this wetland is nutrient removal and retention and sediment toxicant removal. The delineated portion of the wetland is highly disturbed because it occurs within an agricultural field. Nutrient removal/retention/transformation is a function that relates to the effectiveness of a wetland for preventing the adverse effects of excess nutrients entering waterbodies (i.e., ponds, lakes, or rivers). In the case of this wetland, the adjacent agricultural activity may serve as a source of excessive nutrient inputs. The wetland contains diverse wetland vegetation and fine soil that increase residence time and the wetland's capacity to retain excess nutrients. Similarly, the wetland is near roadways and other sources of sediment, and dense vegetation and slow flow-through allow this wetland to trap sediment. The principal functions of this wetland are related to water quality improvements. Due to the highly disturbed nature of this wetland, the only secondary function is limited wildlife habitat.









3-47

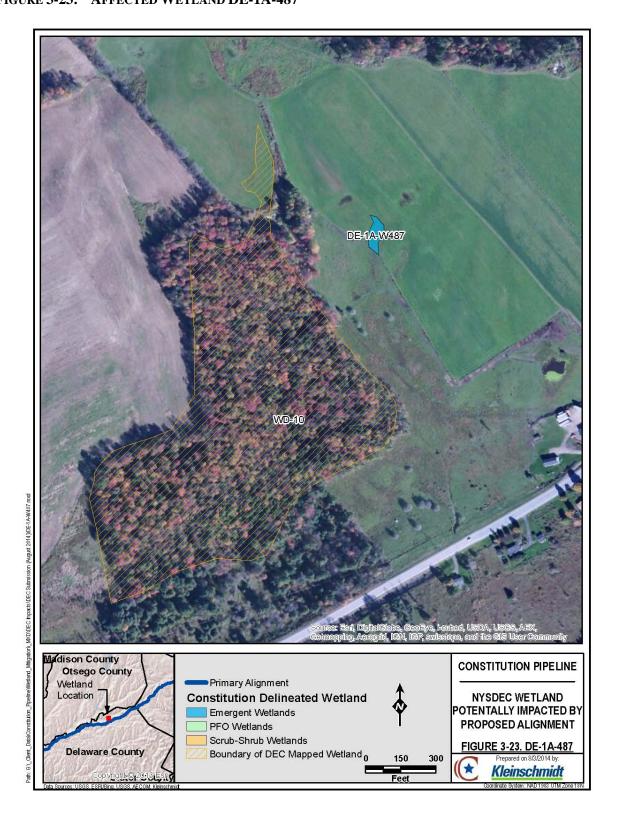
3.21 <u>WETLAND DE-1A-487</u>

Wetland impacts associated with wetland DE-1A-487 involve NYSDEC wetland WD-10 (Class II) in Delaware County. The wetland is located within agricultural fields associated with a contractor yard (spread 4D). Figure 3-23 shows the location of the delineated wetland DE-1A-487. This wetland was delineated on July 3, 2013. The wetland contains emergent and shrub layer vegetation. Herbaceous vegetation includes sensitive fern, reed canary grass, and cattail. Willow, gray dogwood, and speckled alder dominate shrub layer vegetation.

The principal function provided by this wetland is nutrient removal and retention and sediment toxicant removal. The delineated portion of the wetland is highly disturbed because it occurs within an agricultural field. Nutrient removal/retention/transformation is a function that relates to the effectiveness of a wetland for preventing the adverse effects of excess nutrients entering waterbodies (i.e., ponds, lakes, or rivers). In the case of this wetland, the adjacent agricultural activity may serve as a source of excessive nutrient inputs. The wetland contains diverse wetland vegetation and fine soil that increase residence time and the wetland's capacity to retain excess nutrients. Similarly, the wetland is near roadways and other sources of sediment, and dense vegetation and slow flow-through allow this wetland to trap sediment. The principal functions of this wetland are related to water quality improvements. Due to the highly disturbed nature of this wetland, the only secondary function is limited wildlife habitat.









3-49

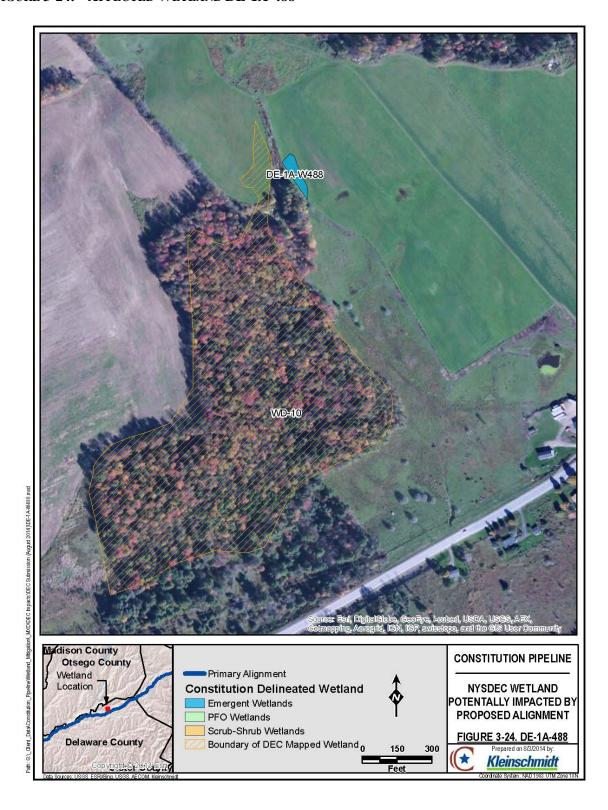
3.22 <u>WETLAND DE-1A-488</u>

Wetland impacts associated with wetland DE-1A-488 involve NYSDEC wetland WD-10 (Class II) in Delaware County. The wetland is located within agricultural fields associated with a contractor yard (spread 4D). Figure 3-24 shows the location of the delineated wetland DE-1A-488. This wetland was delineated on July 3, 2013. The wetland contains emergent and shrub layer vegetation. Herbaceous vegetation includes sensitive fern, reed canary grass, and cattail. Willow, gray dogwood, and speckled alder dominate shrub layer vegetation.

The principal function provided by this wetland is nutrient removal and retention and sediment toxicant removal. The delineated portion of the wetland is highly disturbed because it occurs within an agricultural field. Nutrient removal/retention/transformation is a function that relates to the effectiveness of a wetland for preventing the adverse effects of excess nutrients entering waterbodies (i.e., ponds, lakes, or rivers). In the case of this wetland, the adjacent agricultural activity may serve as a source of excessive nutrient inputs. The wetland contains diverse wetland vegetation and fine soil that increase residence time and the wetland's capacity to retain excess nutrients. Similarly, the wetland is near roadways and other sources of sediment, and dense vegetation and slow flow-through allow this wetland to trap sediment. The principal functions of this wetland are related to water quality improvements. Due to the highly disturbed nature of this wetland, the only secondary function is limited wildlife habitat.



FIGURE 3-24: AFFECTED WETLAND DE-1A-488





4.0 PROPOSED MITIGATION: SITE DE-51

Although there are no proposed fill impacts and on-site revegetation is being implemented for temporary construction impacts, Constitution has proposed the Betty Brook Road wetland mitigation project (Site DE-51) in order to address the permanent conversion impacts and the temporal impacts associated with temporary construction impacts (i.e., the time it will take for native plantings to mature) identified in Section 3.0. The proposed mitigation site, DE-51, is located west of Betty Brook Road in South Kortright, New York (Figure 4-1). The Betty Brook Road wetland mitigation project involves the enhancement and protection of a DEC wetland complex associated with Betty Brook.

This site was visited by NYSDEC personnel on June 20, 2014 and provides significant functional benefits to address the unavoidable impacts to NYSDEC-jurisdictional wetlands and wetland adjacent areas. The property contains a stream with emergent, scrub/shrub, and forested wetlands bordering it on both sides. Approximately 15 acres of the northern portion of the property was previously mapped by NYSDEC as part of a larger 81.3-acre NYSDEC-regulated wetland. During the site visit, NYSDEC reviewed field wetland boundary flags as well as the wetland mitigation approach. The stream running north to south through the property is Betty Brook and is a Class C trout stream.

Most of the property is used for dairy farming and grazing livestock, including some areas containing wetlands. A portion of the wetland on the property is voluntarily and temporarily excluded from grazing by temporary electric fences, which run the entire length of the parcel from north to south along both sides of the stream. The farm buildings are located on the eastern side of the stream, and two fords allow livestock and vehicles to cross the stream to the western side of the property. The fords are a mixture of armored (rock) and unarmored (muddy) bottoms. When livestock cross the brook, which is typically several times daily, sediment is mixed into the water column and transported downstream.

A significant portion of the property, including most of the wetland area, is underlain by a confining glacial till hardpan, which ranges from several feet to less than 5 inches below the ground surface. Other areas of the property have a layer of clay underlying the till hardpan. The upland areas are a mixture of Lewbeach and Lewbath soils, Tunkhannock gravelly loam, and Willowemoc and Willdin soils. The wetland areas are a mixture of fluvaquents, udifluvents (soils with a parent material of recent alluvial deposits), Wellsboro channery silt loam, and Morris flaggy silt loam.

The wetlands within the property are approximately 26 acres in total area. Approximately 3 acres are PFO wetland, 12 acres are PEM wetland, and 11 acres are PSS wetland. The invasive species reed canary grass was observed to dominate some wetland sections in the southern portion of the property, and other sections have been degraded by cattle; still other sections, however, are dominated by native wetland emergents.

4.1 <u>MITIGATION PLAN</u>

The proposed mitigation includes enhancing approximately 5.4 acres of forested wetland, 5.7 acres of scrub-shrub wetland, and 5.9 acres of emergent wetland; establishing 4.7 acres of upland buffer; installing fencing to exclude cattle; and stabilizing two stream crossings.

Approximately 5.4 acres of forested floodplain wetland will be enhanced in an area that currently is grazed. The proposed area is underlain by till hardpan several inches under the soil surface. Obligate



wetland species such as soft rush, lake bank sedge (*Carex lacustris*), and skunk cabbage (*Symplocarpus foetidus*) are present in the areas that are least disturbed by cattle. The electric fencing near the stream adjacent to degraded wetland areas will be moved in order to protect the enhanced wetland and allow a full native community to be reestablished. A reference forested wetland located within the regulated wetland with a native plant community will be used to guide enhancement.

A 50-foot upland forested buffer will be established along the eastern and western perimeter of the enhanced and protected wetland system in locations that the farmer did not have incompatible uses. Measures include a shallow scrape to provide amphibian habitat in a degraded wetland area that has been trampled and devegetated by cattle as a wetland enhancement measure.

The fords will be improved by excavating approximately 6 inches within the bankfull dimensions and backfilling with a combination of anchored geogrid with stone bedding fill to minimize sediment disturbance.

4.2 BENEFITS

The proposed mitigation includes enhancing approximately 5.4 acres of forested wetland, 5.7 acres of scrub-shrub wetland, and 5.9 acres of emergent wetland; establishing 4.7 acres of upland buffer; installing fencing to exclude cattle; and stabilizing two stream crossings. Protecting, restoring and establishing these wetlands and associated buffers will enhance or protect the following functions and values from future degradation: wildlife habitat, flood attenuation, and water quality benefits.

The existing wetlands provide valuable wildlife habitat for aquatic and wetland species. Restoring the disturbed wetlands and enhancing wetlands adjacent to the stream will increase the area and quality of continuous wildlife habitat as well as improve water quality functions. Excluding cattle permanently, improving two cattle crossings that the farmer plans to continue to use, and establishing a 50-foot wide buffer adjacent to the riparian wetlands will provide important water quality functions in perpetuity. These measures will also protect the valuable trout habitat that the stream provides. The Conservation Reserve Enhancement Program (CRP) that is currently in place is temporary and voluntary, whereas the proposed enhancement measures will be permanent. The farmer requires cattle crossings to continue farming portions of the property up gradient of the proposed enhancements.

The stream crossing improvements will enhance downstream water quality in Betty Brook by reducing the amount of nutrient-laden sediment disturbed and moved into the water column. The depression in the floodplain will trap sediments and associated nutrients and pollutants during floods. The design will diversify the topography to increase the time floodwaters are in contact with soils and vegetation.

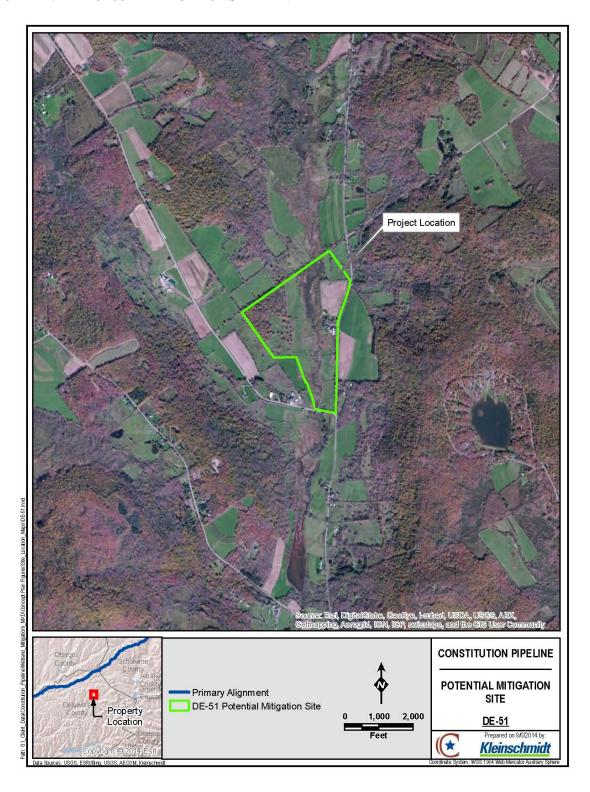
4.3 **FEASIBILITY**

Some pockets of the invasive species reed canary grass occur in the southern portion of the wetland; ultimately the coverage of this species is expected to decrease as a result of herbicide treatment followed by planting of native woody species and weakening of the reed canary-grass through shade.

Purchase of an easement from the landowner will be required to complete the proposed work. The landowner will need to approve access and use of the property.



FIGURE 4-1: PROPOSED MITIGATION SITE DE-51







5.0 CONCLUSION

No fill, or permanent loss of NYSDEC-jurisdictional wetlands, is proposed. Approximately 0.21 acres of fill is proposed in the regulated 100-foot adjacent areas of NYSDEC wetlands. This adjacent area fill involves upland forest. In surveyed areas, detailed field delineations and field visits by Constitution and NYSDEC staff during the 2014 field season were completed to ensure that mapped DEC wetlands were extended to include connected wetland areas as jurisdictional. In non-surveyed parcels, this more refined field effort has yet to occur, however there are no proposed wetland fill impacts based on available mapping of regulated NYSDEC wetlands.

Proposed impacts to NYSDEC jurisdictional wetlands are limited to permanent conversion and temporary construction impacts. All forested wetland areas temporarily impacted during construction will be replanted and restored on-site as described in more detail in Section 2.2. In addition, the offsite mitigation (DE-51) described in Section 4.0 is proposed by Constitution to address the temporary loss of wetland functions during construction, modifications to wetland structure and function resulting from permanent conversion impacts, and the 0.21 acres of permanent fill within the regulated adjacent area of one NYSDEC-regulated wetland. Considering the nature of the proposed impacts and the on-site measures proposed, this off-site mitigation component is expected to result in net functional lift of NYSDEC wetlands.





6.0 REFERENCES

Constitution Pipeline Company LLC (2013), Constitution Pipeline: Environmental Construction Plan, Construction Activities in New York. Submitted November 2013 by Constitution Pipeline Company, LLC, 2800 Post Oak Boulevard (77056), PO Box 1396, Houston, TX 77251-1396.



| | | | | | | Wetland | Impact (ac | cres) ^b | | | | | | NYSDEC | |
|-------------------|----------------------------|-----------|-------------|------|---------|-----------|------------|--------------------|------------|---------------|---------------|---------------|-----------------------------|------------------------|---------------------|
| Wetland ID | Wetland Class ^a | (| Constructio | n | | Temporary | 7 | | 0 | peration | | | State Wetland | Regulated | Crossing |
| Wettand 1D | Wedalid Class | PFO | PSS | PEM | PFO | PSS | PEM | PFO (Conv) | PFO (Fill) | PSS (Conv) | PSS (Fill) | PEM (Fill) | Classification ^c | Wetland (Yes or No) | Method ^d |
| | | | | | WETLA | NDS ASS | OCIATED | WITH PII | PELINE | (2-2-1) | | | • | • | |
| UPPER SUS | SQUEHANNA (HU | C 0205010 | 1) | | | | | | | | | | | | |
| BR-1H-W174 | PFO/PSS | 0.01 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | NS-1, Class II | Yes | N/A |
| DE-1P-W074 | PSS | 0.00 | 0.32 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | ON-4, Class II | Yes | II |
| DE-1W-W125 | PFO | 0.76 | 0.00 | 0.00 | 0.49 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | ON-4, Class II | Yes | II |
| DE-1C-W371 | PSS | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | Article 15 Reg'd | N/A |
| DE-1N-W156A | PFO | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | D-11, Class II | Yes | VI |
| DE-1C-W215 | PFO | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | D-13, Class II | Yes | N/A |
| DE-1C-W217 | PFO | 0.04 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | D-13, Class II | Yes | II |
| DE-1P-W128 | PEM | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | D-8, Class II | Yes | II |
| DE-11-W126 | PFO | 0.35 | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | D-8, Class II | Yes | II |
| RS-DE-W0620 | PEM | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ON-5, Class II | Yes | - |
| RS-DE-W0621 | PEM | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ON-5, Class II | Yes | - |
| RS-DE-W0623 | PEM | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ON-5, Class II | Yes | - |
| RS-DE-W0628 | PEM | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ON-5, Class II | Yes | - |
| RS-DE-W0630 | PSS | 0.00 | 0.05 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ON-5, Class II | Yes | - |
| RS-DE-W1397 | PFO | 0.06 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | D-11, Class II | Yes | - |
| RS-DE-W1400 | PFO | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | D-11, Class II | Yes | - |
| | | 1.37 | 0.39 | 1.83 | 0.84 | 0.34 | 1.83 | 0.53 | 0.00 | 0.05 | 0.00 | 0.00 | | | |
| SCHO | OHARIE (HUC 020 | 20005) | | | | | | | | | | | | | |
| SC-1C-W459 | PFO | 0.23 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | SU-17, Class II | Yes | II |
| SC-1M-W071 | PSS/PEM | 0.00 | 0.39 | 1.79 | 0.00 | 0.34 | 1.79 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | CO-25, Class II | Yes | II |
| SC-1M-W067 | PSS | 0.00 | 0.63 | 0.00 | 0.00 | 0.54 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | CO-25, Class II | Yes | II |
| | Pipeline Totals | 0.23 | 1.02 | 1.79 | 0.14 | 0.88 | 1.79 | 0.09 | 0.00 | 0.14 | 0.00 | 0.00 | | | |
| | | | | | WETLAND | S ASSOCI | ATED WI | TH ACCE | SS ROADS | | | | | | |
| UPPER SUS | SQUEHANNA (HU | C 0205010 | 1) | | | | | | | | | | | | |
| DE-1H-W268 PAR 46 | PSS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | ON-2, Class II | Yes | N/A |
| A | ccess Roads Total | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | |
| | New York Total | 1.60 | 1.41 | 3.62 | 0.98 | 1.22 | 3.62 | 0.62 | 0.00 | 0.19 | 0.00 | 0.00 | | | |

a: Wetland classification according to Cowardin et al. 1979.

b: Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent); Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees taller than 15 feet will be selectively cut and removed. For a HDD crossing methods, a 10-foot wide corridor will be permanently maintained in herbaceous vegetated cover through PFO and PSS wetlands. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys or desktop analysis, including NWI data, in those areas where permission has not been granted to conduct field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table.

c: New York classifies wetlands per Article 24 (Freshwater Wetlands) of the Environmental Conservation Law

d: Crossing Methods for wetlands are I = Standard Crossing; II = Conventional Crossing; III = Push/Pull Crossing; IV = Conventional Bore; V = Horizontal Directional Drill; N/A = Wetland not crossed by pipeline

APPENDIX B

Impact Tables

| Wetland ID | HUC 8 Name | Onsite Restoration (Acres) |
|-------------|------------|----------------------------|
| RS-SC-W0267 | Schoharie | 0.068 |
| RS-SC-W0272 | Schoharie | 0.103 |
| RS-SC-W0280 | Schoharie | 0.002 |
| RS-SC-W0291 | Schoharie | 0.003 |
| RS-SC-W0517 | Schoharie | 0.001 |
| RS-SC-W0518 | Schoharie | 0.014 |
| RS-SC-W0520 | Schoharie | 0.003 |
| RS-SC-W0522 | Schoharie | 0.002 |
| RS-SC-W0530 | Schoharie | 0.016 |
| RS-SC-W0533 | Schoharie | 0.018 |
| RS-SC-W0537 | Schoharie | 0.011 |
| RS-SC-W0541 | Schoharie | 0.002 |
| RS-SC-W0542 | Schoharie | 0.048 |
| RS-SC-W0543 | Schoharie | 0.004 |
| RS-SC-W0566 | Schoharie | 0.004 |
| RS-SC-W0567 | Schoharie | 0.072 |
| RS-SC-W0568 | Schoharie | 0.009 |
| RS-SC-W0576 | Schoharie | 0.007 |
| RS-SC-W0577 | Schoharie | 0.028 |
| RS-SC-W0579 | Schoharie | 0.019 |
| RS-SC-W0584 | Schoharie | 0.080 |
| RS-SC-W0586 | Schoharie | 0.038 |
| RS-SC-W0592 | Schoharie | 0.030 |
| RS-SC-W0615 | Schoharie | 0.005 |
| RS-SC-W0636 | Schoharie | 0.006 |
| RS-SC-W0637 | Schoharie | 0.000 |
| RS-SC-W0650 | Schoharie | 0.007 |
| RS-SC-W0655 | Schoharie | 0.000 |
| RS-SC-W0656 | Schoharie | 0.020 |
| RS-SC-W0657 | Schoharie | 0.004 |
| RS-SC-W0708 | Schoharie | 0.041 |
| RS-SC-W0714 | Schoharie | 0.039 |
| RS-SC-W0718 | Schoharie | 0.033 |
| RS-SC-W0720 | Schoharie | 0.014 |
| RS-SC-W0722 | Schoharie | 0.062 |
| RS-SC-W0724 | Schoharie | 0.041 |
| RS-SC-W0729 | Schoharie | 0.012 |
| RS-SC-W0731 | Schoharie | 0.025 |
| RS-SC-W0733 | Schoharie | 0.005 |
| RS-SC-W0734 | Schoharie | 0.048 |
| RS-SC-W0736 | Schoharie | 0.048 |
| RS-SC-W0738 | Schoharie | 0.042 |
| RS-SC-W0741 | Schoharie | 0.042 |
| RS-SC-W0744 | Schoharie | 0.034 |

| RS-SC-W0746 | Schoharie | 0.013 |
|----------------------------|------------------------|----------------|
| RS-SC-W0749 | Schoharie | 0.013 |
| RS-SC-W0749 | Schoharie | 0.073 |
| RS-SC-W0759 | Schoharie | 0.000 |
| | Schoharie | |
| RS-SC-W0790 RS-SC-W0791 | Schoharie | 0.000 0.018 |
| | | |
| RS-SC-W0794 | Schoharie | 0.005 |
| RS-SC-W0797 | Schoharie | 0.019 |
| RS-SC-W0801 RS-SC-W0806 | Schoharie Schoharie | 0.003 |
| | | 0.012 |
| | harie Sub-Total | 1.214 |
| RS-BR-W0241 | Upper Delaware | 0.034 |
| | Delaware Sub-Total | 0.034 |
| RS-BR-W0007 | Upper Susquehanna | 0.002 |
| RS-BR-W0011 | Upper Susquehanna | 0.024 |
| RS-BR-W0014 | Upper Susquehanna | 0.048 |
| RS-BR-W0016 | Upper Susquehanna | 0.002 |
| RS-BR-W0017 | Upper Susquehanna | 0.013 |
| RS-BR-W0018 | Upper Susquehanna | 0.005 |
| RS-BR-W0019 | Upper Susquehanna | 0.023 |
| RS-BR-W0020 | Upper Susquehanna | 0.249 |
| RS-BR-W0021 | Upper Susquehanna | 0.033 |
| RS-BR-W0022 | Upper Susquehanna | 0.019 |
| RS-DE-W0023 | Upper Susquehanna | 0.005 |
| RS-DE-W0024 | Upper Susquehanna | 0.006 |
| RS-DE-W0027 | Upper Susquehanna | 0.021 |
| RS-DE-W0028 | Upper Susquehanna | 0.089 |
| RS-DE-W0030 | Upper Susquehanna | 0.087 |
| RS-DE-W0039 | Upper Susquehanna | 0.016 |
| RS-DE-W0040 | Upper Susquehanna | 0.002 |
| RS-DE-W0041 | Upper Susquehanna | 0.053 |
| RS-DE-W0043 | Upper Susquehanna | 0.010 |
| RS-DE-W0045 | Upper Susquehanna | 0.024 |
| RS-DE-W0047 | Upper Susquehanna | 0.015 |
| RS-DE-W0049 | Upper Susquehanna | 0.000 |
| RS-DE-W0051 | Upper Susquehanna | 0.059 |
| RS-DE-W0052 | Upper Susquehanna | 0.038 |
| RS-DE-W0053 | Upper Susquehanna | 0.020 |
| RS-DE-W0054 | Upper Susquehanna | 0.016 |
| RS-DE-W0055 | Upper Susquehanna | 0.009 |
| RS-DE-W0058 | Upper Susquehanna | 0.012 |
| RS-DE-W0060 | Upper Susquehanna | 0.008 |
| RS-DE-W0061 | Upper Susquehanna | 0.013 |
| RS-DE-W0103 | Upper Susquehanna | 0.006 |
| RS-DE-W0108 | Upper Susquehanna | 0.018 |
| RS-DE-W0110 | Upper Susquehanna | 0.002 |

| RS-DE-W0111 Upper Susquehanna 0.024 RS-DE-W0113 Upper Susquehanna 0.006 RS-DE-W0115 Upper Susquehanna 0.006 RS-DE-W0115 Upper Susquehanna 0.014 RS-DE-W0118 Upper Susquehanna 0.012 RS-DE-W0121 Upper Susquehanna 0.002 RS-DE-W0123 Upper Susquehanna 0.002 RS-DE-W0124 Upper Susquehanna 0.002 RS-DE-W0127 Upper Susquehanna 0.002 RS-DE-W0136 Upper Susquehanna 0.002 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.004 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0157 Upper Susquehanna 0.004 RS-DE-W0521 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.000 RS-DE-W0525 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.001 RS-DE-W05 | DO DE WOLLL | Try o 1 | 0.040 |
|---|-------------|-------------------|-------|
| RS-DE-W0113 Upper Susquehanna 0.006 RS-DE-W0115 Upper Susquehanna 0.049 RS-DE-W0118 Upper Susquehanna 0.012 RS-DE-W0119 Upper Susquehanna 0.014 RS-DE-W0123 Upper Susquehanna 0.002 RS-DE-W0124 Upper Susquehanna 0.002 RS-DE-W0127 Upper Susquehanna 0.002 RS-DE-W0136 Upper Susquehanna 0.002 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.0024 RS-DE-W0140 Upper Susquehanna 0.005 RS-DE-W0140 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.006 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.001 RS-DE-W0531 Upper Susquehanna 0.001 RS-DE-W0533 Upper Susquehanna 0.004 RS-DE-W0 | RS-DE-W0111 | Upper Susquehanna | 0.048 |
| RS-DE-W0115 Upper Susquehanna 0.049 RS-DE-W0118 Upper Susquehanna 0.012 RS-DE-W0119 Upper Susquehanna 0.014 RS-DE-W0123 Upper Susquehanna 0.002 RS-DE-W0124 Upper Susquehanna 0.002 RS-DE-W0136 Upper Susquehanna 0.0012 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.000 RS-DE-W0140 Upper Susquehanna 0.005 RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0521 Upper Susquehanna 0.000 RS-DE-W0523 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.001 RS-DE-W0531 Upper Susquehanna 0.001 RS-DE-W0 | | | |
| RS-DE-W0118 Upper Susquehanna 0.012 RS-DE-W0119 Upper Susquehanna 0.014 RS-DE-W0123 Upper Susquehanna 0.002 RS-DE-W0124 Upper Susquehanna 0.002 RS-DE-W0136 Upper Susquehanna 0.002 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.024 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0525 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.001 RS-DE-W0535 Upper Susquehanna 0.001 RS-DE-W0540 Upper Susquehanna 0.001 RS-DE-W0552 Upper Susquehanna 0.006 RS-DE-W05 | | | |
| RS-DE-W0119 Upper Susquehanna 0.014 RS-DE-W0123 Upper Susquehanna 0.002 RS-DE-W0124 Upper Susquehanna 0.028 RS-DE-W0127 Upper Susquehanna 0.002 RS-DE-W0136 Upper Susquehanna 0.012 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.024 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.004 RS-DE-W05217 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.001 RS-DE-W0535 Upper Susquehanna 0.001 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.002 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0 | | | |
| RS-DE-W0123 Upper Susquehanna 0.002 RS-DE-W0124 Upper Susquehanna 0.028 RS-DE-W0127 Upper Susquehanna 0.002 RS-DE-W0136 Upper Susquehanna 0.0012 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.024 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.004 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.001 RS-DE-W0535 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.001 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.078 RS-DE-W0564 Upper Susquehanna 0.007 RS-DE-W0 | | | |
| RS-DE-W0124 Upper Susquehanna 0.028 RS-DE-W0127 Upper Susquehanna 0.002 RS-DE-W0136 Upper Susquehanna 0.012 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.024 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.064 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.001 RS-DE-W0535 Upper Susquehanna 0.001 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.006 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.0078 RS-DE-W0564 Upper Susquehanna 0.000 RS-DE-W0 | RS-DE-W0119 | Upper Susquehanna | 0.014 |
| RS-DE-W0127 Upper Susquehanna 0.002 RS-DE-W0136 Upper Susquehanna 0.012 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.024 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.001 RS-DE-W0535 Upper Susquehanna 0.001 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.002 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.006 RS-DE-W0564 Upper Susquehanna 0.000 RS-DE-W0664 Upper Susquehanna 0.001 RS-DE-W06 | RS-DE-W0123 | Upper Susquehanna | 0.002 |
| RS-DE-W0136 Upper Susquehanna 0.012 RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.024 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.003 RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.001 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.002 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.008 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.003 RS-DE-W06 | RS-DE-W0124 | Upper Susquehanna | 0.028 |
| RS-DE-W0138 Upper Susquehanna 0.000 RS-DE-W0139 Upper Susquehanna 0.024 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.064 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.004 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.006 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.0078 RS-DE-W0562 Upper Susquehanna 0.000 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.001 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0 | RS-DE-W0127 | Upper Susquehanna | 0.002 |
| RS-DE-W0139 Upper Susquehanna 0.024 RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.004 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.002 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.008 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.001 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W06 | RS-DE-W0136 | Upper Susquehanna | 0.012 |
| RS-DE-W0140 Upper Susquehanna 0.050 RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.004 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.001 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0538 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.006 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.008 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.001 RS-DE-W0668 Upper Susquehanna 0.001 RS-DE-W0668 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W06 | RS-DE-W0138 | Upper Susquehanna | 0.000 |
| RS-DE-W0146 Upper Susquehanna 0.006 RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.064 RS-DE-W0524 Upper Susquehanna 0.003 RS-DE-W0527 Upper Susquehanna 0.000 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.004 RS-DE-W0536 Upper Susquehanna 0.001 RS-DE-W0537 Upper Susquehanna 0.002 RS-DE-W0539 Upper Susquehanna 0.002 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.008 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.001 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.001 RS-DE-W06 | RS-DE-W0139 | Upper Susquehanna | 0.024 |
| RS-DE-W0517 Upper Susquehanna 0.004 RS-DE-W0523 Upper Susquehanna 0.064 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.046 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.002 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.0078 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.001 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0678 Upper Susquehanna 0.001 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.016 RS-DE-W0 | RS-DE-W0140 | Upper Susquehanna | 0.050 |
| RS-DE-W0523 Upper Susquehanna 0.064 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.046 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.002 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.000 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.008 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.001 RS-DE-W0694 Upper Susquehanna 0.0026 RS-DE-W0 | RS-DE-W0146 | Upper Susquehanna | 0.006 |
| RS-DE-W0523 Upper Susquehanna 0.064 RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.046 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.002 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.000 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.008 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.001 RS-DE-W0694 Upper Susquehanna 0.0026 RS-DE-W0 | RS-DE-W0517 | | 0.004 |
| RS-DE-W0524 Upper Susquehanna 0.004 RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.046 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.0022 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.008 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0678 Upper Susquehanna 0.001 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.015 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0 | | | |
| RS-DE-W0527 Upper Susquehanna 0.003 RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.046 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.0022 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.008 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.003 RS-DE-W0 | RS-DE-W0524 | | |
| RS-DE-W0530 Upper Susquehanna 0.000 RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.046 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.0022 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.001 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.003 RS-DE-W0 | RS-DE-W0527 | | |
| RS-DE-W0531 Upper Susquehanna 0.010 RS-DE-W0535 Upper Susquehanna 0.046 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.0022 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.0078 RS-DE-W0562 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.001 RS-DE-W0668 Upper Susquehanna 0.003 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.009 RS-DE-W0692 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.0025 RS-DE- | | | |
| RS-DE-W0535 Upper Susquehanna 0.046 RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.022 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.078 RS-DE-W0562 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W06668 Upper Susquehanna 0.011 RS-DE-W06671 Upper Susquehanna 0.003 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.001 RS-DE-W0691 Upper Susquehanna 0.009 RS-DE-W0692 Upper Susquehanna 0.002 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.003 RS-DE-W0697 Upper Susquehanna 0.0025 RS-DE- | | | |
| RS-DE-W0537 Upper Susquehanna 0.001 RS-DE-W0539 Upper Susquehanna 0.022 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.000 RS-DE-W0562 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.011 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.001 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.001 RS-DE-W0697 Upper Susquehanna 0.005 RS-DE-W07 | | | |
| RS-DE-W0539 Upper Susquehanna 0.022 RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.078 RS-DE-W0562 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.011 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.001 RS-DE-W0692 Upper Susquehanna 0.002 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.001 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W07 | | | |
| RS-DE-W0542 Upper Susquehanna 0.006 RS-DE-W0552 Upper Susquehanna 0.078 RS-DE-W0562 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.011 RS-DE-W0671 Upper Susquehanna 0.003 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.004 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.005 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.003 RS-DE-W07 | | | |
| RS-DE-W0552 Upper Susquehanna 0.078 RS-DE-W0562 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.011 RS-DE-W0671 Upper Susquehanna 0.008 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.004 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.009 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.005 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.001 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W07 | | | |
| RS-DE-W0562 Upper Susquehanna 0.000 RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.011 RS-DE-W0671 Upper Susquehanna 0.008 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.001 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.009 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.005 RS-DE-W0698 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.009 RS-DE-W0713 Upper Susquehanna 0.0017 | | | |
| RS-DE-W0564 Upper Susquehanna 0.008 RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.011 RS-DE-W0671 Upper Susquehanna 0.008 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.024 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.009 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.035 RS-DE-W0696 Upper Susquehanna 0.025 RS-DE-W0697 Upper Susquehanna 0.005 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.009 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0664 Upper Susquehanna 0.008 RS-DE-W0668 Upper Susquehanna 0.011 RS-DE-W0671 Upper Susquehanna 0.008 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.024 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.025 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0710 Upper Susquehanna 0.009 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0668 Upper Susquehanna 0.011 RS-DE-W0671 Upper Susquehanna 0.008 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.024 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.003 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.025 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.009 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0671 Upper Susquehanna 0.008 RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.024 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.026 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.025 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.009 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0678 Upper Susquehanna 0.003 RS-DE-W0680 Upper Susquehanna 0.024 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.026 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.025 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0680 Upper Susquehanna 0.024 RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.026 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.025 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0688 Upper Susquehanna 0.001 RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.026 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.035 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0698 Upper Susquehanna 0.005 RS-DE-W0702 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0690 Upper Susquehanna 0.015 RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.026 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.035 RS-DE-W0697 Upper Susquehanna 0.010 RS-DE-W0698 Upper Susquehanna 0.005 RS-DE-W0702 Upper Susquehanna 0.101 RS-DE-W0705 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.009 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0691 Upper Susquehanna 0.010 RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.026 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.035 RS-DE-W0697 Upper Susquehanna 0.025 RS-DE-W0698 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | ** * | |
| RS-DE-W0692 Upper Susquehanna 0.009 RS-DE-W0694 Upper Susquehanna 0.026 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.035 RS-DE-W0697 Upper Susquehanna 0.025 RS-DE-W0698 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | ** * | |
| RS-DE-W0694 Upper Susquehanna 0.026 RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.035 RS-DE-W0697 Upper Susquehanna 0.025 RS-DE-W0698 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0695 Upper Susquehanna 0.003 RS-DE-W0696 Upper Susquehanna 0.035 RS-DE-W0697 Upper Susquehanna 0.025 RS-DE-W0698 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | ** * | |
| RS-DE-W0696 Upper Susquehanna 0.035 RS-DE-W0697 Upper Susquehanna 0.025 RS-DE-W0698 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0697 Upper Susquehanna 0.025 RS-DE-W0698 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | ** * | |
| RS-DE-W0698 Upper Susquehanna 0.010 RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | ^ ^ | |
| RS-DE-W0702 Upper Susquehanna 0.005 RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0705 Upper Susquehanna 0.101 RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0709 Upper Susquehanna 0.003 RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0710 Upper Susquehanna 0.099 RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| RS-DE-W0713 Upper Susquehanna 0.017 | | | |
| | | | |
| RS-DE-W0714 Upper Susquehanna 0.005 | RS-DE-W0713 | Upper Susquehanna | 0.017 |
| | RS-DE-W0714 | Upper Susquehanna | 0.005 |

| RS-DE-W0716 | Upper Susquehenne | 0.015 |
|-------------|-------------------------------------|-------|
| RS-DE-W0717 | Upper Susquehanna Upper Susquehanna | 0.000 |
| RS-DE-W0717 | Upper Susquehanna | 0.000 |
| RS-DE-W0719 | Upper Susquehanna | 0.013 |
| RS-DE-W0719 | | 0.076 |
| RS-DE-W0720 | Upper Susquehanna | 0.013 |
| | Upper Susquehanna | |
| RS-DE-W0724 | Upper Susquehanna | 0.001 |
| RS-DE-W0750 | Upper Susquehanna | 0.035 |
| RS-DE-W0751 | Upper Susquehanna | 0.021 |
| RS-DE-W0752 | Upper Susquehanna | 0.009 |
| RS-DE-W0754 | Upper Susquehanna | 0.027 |
| RS-DE-W0755 | Upper Susquehanna | 0.025 |
| RS-DE-W0756 | Upper Susquehanna | 0.016 |
| RS-DE-W0757 | Upper Susquehanna | 0.005 |
| RS-DE-W0835 | Upper Susquehanna | 0.008 |
| RS-DE-W0837 | Upper Susquehanna | 0.136 |
| RS-DE-W0888 | Upper Susquehanna | 0.008 |
| RS-DE-W0894 | Upper Susquehanna | 0.092 |
| RS-DE-W0899 | Upper Susquehanna | 0.004 |
| RS-DE-W0900 | Upper Susquehanna | 0.011 |
| RS-DE-W0904 | Upper Susquehanna | 0.006 |
| RS-DE-W0905 | Upper Susquehanna | 0.018 |
| RS-DE-W0906 | Upper Susquehanna | 0.019 |
| RS-DE-W0907 | Upper Susquehanna | 0.005 |
| RS-DE-W0908 | Upper Susquehanna | 0.006 |
| RS-DE-W0929 | Upper Susquehanna | 0.006 |
| RS-DE-W0931 | Upper Susquehanna | 0.003 |
| RS-DE-W0932 | Upper Susquehanna | 0.003 |
| RS-DE-W0933 | Upper Susquehanna | 0.007 |
| RS-DE-W0935 | Upper Susquehanna | 0.008 |
| RS-DE-W0937 | Upper Susquehanna | 0.004 |
| RS-DE-W0939 | Upper Susquehanna | 0.011 |
| RS-DE-W0940 | Upper Susquehanna | 0.039 |
| RS-DE-W0942 | Upper Susquehanna | 0.006 |
| RS-DE-W0945 | Upper Susquehanna | 0.020 |
| RS-DE-W0946 | Upper Susquehanna | 0.011 |
| RS-DE-W0947 | Upper Susquehanna | 0.009 |
| RS-DE-W0948 | Upper Susquehanna | 0.019 |
| RS-DE-W0949 | Upper Susquehanna | 0.012 |
| RS-DE-W0950 | Upper Susquehanna | 0.002 |
| RS-DE-W0980 | Upper Susquehanna | 0.017 |
| RS-DE-W0981 | Upper Susquehanna | 0.024 |
| RS-DE-W0982 | Upper Susquehanna | 0.008 |
| RS-DE-W0984 | Upper Susquehanna | 0.025 |
| RS-DE-W0986 | Upper Susquehanna | 0.007 |
| RS-DE-W0987 | Upper Susquehanna | 0.022 |
| RS-DE-W0988 | Upper Susquehanna | 0.004 |
| | | • |

| RS-DE-W0989 | Upper Susquehanna | 0.003 |
|-------------|--|-------|
| RS-DE-W0989 | Upper Susquehanna | 0.003 |
| RS-DE-W0990 | Upper Susquehanna | 0.006 |
| RS-DE-W0994 | Upper Susquehanna | 0.004 |
| RS-DE-W0995 | Upper Susquehanna | 0.064 |
| RS-DE-W0997 | | 0.037 |
| RS-DE-W0997 | Upper Susquehanna | 0.007 |
| RS-DE-W1000 | Upper Susquehanna | |
| | Upper Susquehanna | 0.012 |
| RS-DE-W1002 | Upper Susquehanna | 0.026 |
| RS-DE-W1004 | Upper Susquehanna | 0.012 |
| RS-DE-W1005 | Upper Susquehanna | 0.014 |
| RS-DE-W1006 | Upper Susquehanna | 0.021 |
| RS-DE-W1008 | Upper Susquehanna | 0.017 |
| RS-DE-W1029 | Upper Susquehanna | 0.013 |
| RS-DE-W1069 | Upper Susquehanna | 0.000 |
| RS-DE-W1099 | Upper Susquehanna | 0.008 |
| RS-DE-W1100 | Upper Susquehanna | 0.006 |
| RS-DE-W1101 | Upper Susquehanna | 0.015 |
| RS-DE-W1102 | Upper Susquehanna | 0.049 |
| RS-DE-W1103 | Upper Susquehanna | 0.027 |
| RS-DE-W1107 | Upper Susquehanna | 0.014 |
| RS-DE-W1108 | Upper Susquehanna | 0.007 |
| RS-DE-W1109 | Upper Susquehanna | 0.046 |
| RS-DE-W1110 | Upper Susquehanna | 0.002 |
| RS-DE-W1111 | Upper Susquehanna | 0.010 |
| RS-DE-W1113 | Upper Susquehanna | 0.006 |
| RS-DE-W1115 | Upper Susquehanna | 0.023 |
| RS-DE-W1226 | Upper Susquehanna | 0.000 |
| RS-DE-W1234 | Upper Susquehanna | 0.002 |
| RS-DE-W1239 | Upper Susquehanna | 0.008 |
| RS-DE-W1245 | Upper Susquehanna | 0.004 |
| RS-DE-W1246 | Upper Susquehanna | 0.015 |
| RS-DE-W1248 | Upper Susquehanna | 0.011 |
| RS-DE-W1250 | Upper Susquehanna | 0.021 |
| RS-DE-W1251 | Upper Susquehanna | 0.001 |
| RS-DE-W1255 | Upper Susquehanna | 0.115 |
| RS-DE-W1257 | Upper Susquehanna | 0.028 |
| RS-DE-W1258 | Upper Susquehanna | 0.054 |
| RS-DE-W1260 | Upper Susquehanna | 0.006 |
| RS-DE-W1261 | Upper Susquehanna | 0.006 |
| RS-DE-W1263 | Upper Susquehanna | 0.013 |
| RS-DE-W1264 | Upper Susquehanna | 0.027 |
| RS-DE-W1266 | Upper Susquehanna | 0.010 |
| RS-DE-W1268 | Upper Susquehanna | 0.024 |
| RS-DE-W1269 | Upper Susquehanna | 0.001 |
| RS-DE-W1270 | Upper Susquehanna | 0.006 |
| RS-DE-W1272 | Upper Susquehanna | 0.008 |
| | T. T | ***** |

| RS-DE-W1273 | Linnan Cuaguahanna | 0.040 |
|----------------------------|-------------------------------------|----------------|
| RS-DE-W1274 | Upper Susquehanna | 0.040 |
| RS-DE-W1275 | Upper Susquehanna | 0.013 0.006 |
| | Upper Susquehanna | |
| RS-DE-W1277 RS-DE-W1278 | Upper Susquehanna | 0.001 |
| | Upper Susquehanna | 0.028 |
| RS-DE-W1284 | Upper Susquehanna | 0.023 |
| RS-DE-W1286 | Upper Susquehanna | 0.104 |
| RS-DE-W1288 | Upper Susquehanna | 0.033 |
| RS-DE-W1289 RS-DE-W1291 | Upper Susquehanna | 0.001 0.007 |
| RS-DE-W1291 | Upper Susquehanna | 0.007 |
| | Upper Susquehanna | 0.011 |
| RS-DE-W1392 | Upper Susquehanna | 0.024 |
| RS-DE-W1394 RS-DE-W1396 | Upper Susquehanna | 0.018 |
| RS-DE-W1397 | Upper Susquehanna | 0.070 |
| | Upper Susquehanna | |
| RS-DE-W1398 | Upper Susquehanna | 0.014 |
| RS-DE-W1400 RS-DE-W1428 | Upper Susquehanna | 0.013 |
| RS-DE-W1428 RS-DE-W1429 | Upper Susquehanna | 0.006 |
| | Upper Susquehanna | 0.012 |
| RS-DE-W1430 | Upper Susquehanna | 0.033 |
| RS-DE-W1432 | Upper Susquehanna | 0.021 |
| RS-DE-W1433 | Upper Susquehanna | 0.006 |
| RS-DE-W1434 | Upper Susquehanna | 0.000 |
| RS-DE-W1435 | Upper Susquehanna | 0.024 |
| RS-DE-W1437 | Upper Susquehanna | 0.004 |
| RS-DE-W1439 RS-DE-W1440 | Upper Susquehanna | 0.008 0.014 |
| RS-DE-W1440 | Upper Susquehanna | 0.014 |
| RS-DE-W1444 | Upper Susquehanna Upper Susquehanna | 0.045 |
| RS-DE-W1444 | | 0.027 |
| RS-DE-W1451 | Upper Susquehanna | 0.027 |
| RS-DE-W1451 | Upper Susquehanna Upper Susquehanna | 0.020 |
| RS-DE-W1457 | 1 1 | 0.020 |
| RS-DE-W1457 | Upper Susquehanna Upper Susquehanna | 0.003 |
| RS-DE-W1459 | Upper Susquehanna | 0.013 |
| RS-DE-W1460 | Upper Susquehanna | 0.017 |
| RS-DE-W1462 | | 0.012 |
| | Upper Susquehanna | |
| RS-DE-W1463 RS-DE-W1466 | Upper Susquehanna | 0.004 |
| | Upper Susquehanna | 0.017 |
| RS-DE-W1470 | Upper Susquehanna | 0.072 |
| RS-DE-W1472 RS-DE-W1474 | Upper Susquehanna | 0.003 |
| | Upper Susquehanna | 0.014 |
| RS-DE-W1476 | Upper Susquehanna | 0.010 |
| RS-DE-W1477 | Upper Susquehanna | 0.002 |
| RS-DE-W1478 | Upper Susquehanna | 0.011 |
| RS-DE-W1479 | Upper Susquehanna | 0.014 |
| RS-DE-W1481 | Upper Susquehanna | 0.008 |

| RS-DE-W1482 | Unnar Susayahanna | 0.022 |
|-------------|-------------------|-------|
| RS-DE-W1484 | Upper Susquehanna | 0.022 |
| RS-DE-W1486 | Upper Susquehanna | 0.004 |
| RS-DE-W1487 | Upper Susquehanna | 0.026 |
| | Upper Susquehanna | |
| RS-DE-W1490 | Upper Susquehanna | 0.013 |
| RS-DE-W1492 | Upper Susquehanna | 0.000 |
| RS-DE-W1494 | Upper Susquehanna | 0.000 |
| RS-DE-W1495 | Upper Susquehanna | 0.011 |
| RS-DE-W1497 | Upper Susquehanna | 0.000 |
| RS-DE-W1500 | Upper Susquehanna | 0.031 |
| RS-DE-W1507 | Upper Susquehanna | 0.005 |
| RS-DE-W1509 | Upper Susquehanna | 0.018 |
| RS-DE-W1521 | Upper Susquehanna | 0.001 |
| RS-DE-W1522 | Upper Susquehanna | 0.062 |
| RS-DE-W1523 | Upper Susquehanna | 0.010 |
| RS-DE-W1524 | Upper Susquehanna | 0.011 |
| RS-DE-W1526 | Upper Susquehanna | 0.067 |
| RS-DE-W1527 | Upper Susquehanna | 0.012 |
| RS-DE-W1528 | Upper Susquehanna | 0.012 |
| RS-DE-W1529 | Upper Susquehanna | 0.016 |
| RS-DE-W1530 | Upper Susquehanna | 0.012 |
| RS-DE-W1531 | Upper Susquehanna | 0.049 |
| RS-DE-W1532 | Upper Susquehanna | 0.003 |
| RS-DE-W1533 | Upper Susquehanna | 0.010 |
| RS-DE-W1534 | Upper Susquehanna | 0.001 |
| RS-DE-W1542 | Upper Susquehanna | 0.014 |
| RS-DE-W1560 | Upper Susquehanna | 0.012 |
| RS-DE-W1561 | Upper Susquehanna | 0.019 |
| RS-DE-W1570 | Upper Susquehanna | 0.534 |
| RS-DE-W1572 | Upper Susquehanna | 0.003 |
| RS-DE-W1573 | Upper Susquehanna | 0.011 |
| RS-DE-W1575 | Upper Susquehanna | 0.047 |
| RS-DE-W1576 | Upper Susquehanna | 0.023 |
| RS-DE-W1577 | Upper Susquehanna | 0.037 |
| RS-DE-W1578 | Upper Susquehanna | 0.007 |
| RS-DE-W1579 | Upper Susquehanna | 0.001 |
| RS-DE-W1585 | Upper Susquehanna | 0.005 |
| RS-DE-W1587 | Upper Susquehanna | 0.176 |
| RS-DE-W1589 | Upper Susquehanna | 0.009 |
| RS-DE-W1590 | Upper Susquehanna | 0.010 |
| RS-DE-W1593 | Upper Susquehanna | 0.140 |
| RS-DE-W1597 | Upper Susquehanna | 0.009 |
| RS-DE-W1600 | Upper Susquehanna | 0.010 |
| RS-DE-W1603 | Upper Susquehanna | 0.003 |
| RS-DE-W1606 | Upper Susquehanna | 0.000 |
| RS-DE-W1607 | Upper Susquehanna | 0.006 |
| RS-DE-W1608 | Upper Susquehanna | 0.009 |
| | I II | *.** |

| RS-DE-W1609 | Unner Susquehenne | 0.006 |
|----------------------------|-------------------------------------|-------|
| RS-DE-W1610 | Upper Susquehanna Upper Susquehanna | 0.016 |
| RS-DE-W1613 | Upper Susquehanna | 0.010 |
| RS-DE-W1616 | Upper Susquehanna | 0.043 |
| RS-DE-W1619 | ** * | |
| RS-DE-W1619 RS-DE-W1620 | Upper Susquehanna | 0.010 |
| | Upper Susquehanna | |
| RS-DE-W1622 | Upper Susquehanna | 0.030 |
| RS-DE-W1625 | Upper Susquehanna | 0.043 |
| RS-DE-W1628 | Upper Susquehanna | 0.011 |
| RS-DE-W1630 | Upper Susquehanna | 0.025 |
| RS-DE-W1631 | Upper Susquehanna | 0.028 |
| RS-DE-W1634 | Upper Susquehanna | 0.020 |
| RS-DE-W1635 | Upper Susquehanna | 0.132 |
| RS-DE-W1638 | Upper Susquehanna | 0.041 |
| RS-DE-W1641 | Upper Susquehanna | 0.007 |
| RS-DE-W1642 | Upper Susquehanna | 0.021 |
| RS-DE-W1645 | Upper Susquehanna | 0.137 |
| RS-DE-W1646 | Upper Susquehanna | 0.011 |
| RS-DE-W1648 | Upper Susquehanna | 0.031 |
| RS-DE-W1651 | Upper Susquehanna | 0.000 |
| RS-DE-W1654 | Upper Susquehanna | 0.005 |
| RS-DE-W1656 | Upper Susquehanna | 0.042 |
| RS-DE-W1657 | Upper Susquehanna | 0.015 |
| RS-DE-W1659 | Upper Susquehanna | 0.001 |
| RS-DE-W1662 | Upper Susquehanna | 0.020 |
| RS-DE-W1664 | Upper Susquehanna | 0.012 |
| RS-DE-W1666 | Upper Susquehanna | 0.003 |
| RS-DE-W1667 | Upper Susquehanna | 0.009 |
| RS-DE-W1671 | Upper Susquehanna | 0.033 |
| RS-DE-W1678 | Upper Susquehanna | 0.005 |
| RS-DE-W1679 | Upper Susquehanna | 0.114 |
| RS-DE-W1681 | Upper Susquehanna | 0.017 |
| RS-DE-W1684 | Upper Susquehanna | 0.000 |
| RS-DE-W1685 | Upper Susquehanna | 0.046 |
| RS-DE-W1687 | Upper Susquehanna | 0.004 |
| RS-DE-W1710 | Upper Susquehanna | 0.000 |
| RS-DE-W1711 | Upper Susquehanna | 0.010 |
| RS-DE-W1712 | Upper Susquehanna | 0.011 |
| RS-DE-W1713 | Upper Susquehanna | 0.023 |
| RS-DE-W1714 | Upper Susquehanna | 0.017 |
| RS-DE-W1716 | Upper Susquehanna | 0.021 |
| RS-DE-W1717 | Upper Susquehanna | 0.011 |
| RS-DE-W1720 | Upper Susquehanna | 0.030 |
| RS-DE-W1721 | Upper Susquehanna | 0.022 |
| RS-DE-W1722 | Upper Susquehanna | 0.007 |
| RS-DE-W1830 | Upper Susquehanna | 0.010 |
| RS-SC-W0016 | Upper Susquehanna | |

| | Grand Total | | | | | | | |
|-------------|---------------------|-------|--|--|--|--|--|--|
| Upper Su | squehanna Sub-Total | 8.825 | | | | | | |
| RS-SC-W0281 | Upper Susquehanna | 0.032 | | | | | | |
| RS-SC-W0278 | Upper Susquehanna | 0.053 | | | | | | |
| RS-SC-W0265 | Upper Susquehanna | 0.013 | | | | | | |
| RS-SC-W0264 | Upper Susquehanna | 0.031 | | | | | | |
| RS-SC-W0251 | Upper Susquehanna | 0.031 | | | | | | |
| RS-SC-W0247 | Upper Susquehanna | 0.012 | | | | | | |
| RS-SC-W0246 | Upper Susquehanna | 0.006 | | | | | | |
| RS-SC-W0245 | Upper Susquehanna | 0.008 | | | | | | |
| RS-SC-W0239 | Upper Susquehanna | 0.012 | | | | | | |
| RS-SC-W0235 | Upper Susquehanna | 0.010 | | | | | | |
| RS-SC-W0223 | Upper Susquehanna | 0.004 | | | | | | |
| RS-SC-W0209 | Upper Susquehanna | 0.002 | | | | | | |
| RS-SC-W0205 | Upper Susquehanna | 0.339 | | | | | | |
| RS-SC-W0201 | Upper Susquehanna | 0.017 | | | | | | |
| RS-SC-W0198 | Upper Susquehanna | 0.019 | | | | | | |
| RS-SC-W0197 | Upper Susquehanna | 0.095 | | | | | | |
| RS-SC-W0195 | Upper Susquehanna | 0.004 | | | | | | |
| RS-SC-W0194 | Upper Susquehanna | 0.006 | | | | | | |
| RS-SC-W0188 | Upper Susquehanna | 0.011 | | | | | | |
| RS-SC-W0184 | Upper Susquehanna | 0.016 | | | | | | |
| RS-SC-W0180 | Upper Susquehanna | 0.020 | | | | | | |
| RS-SC-W0179 | Upper Susquehanna | 0.195 | | | | | | |
| RS-SC-W0175 | Upper Susquehanna | 0.006 | | | | | | |
| RS-SC-W0173 | Upper Susquehanna | 0.019 | | | | | | |
| RS-SC-W0170 | Upper Susquehanna | 0.015 | | | | | | |
| RS-SC-W0169 | Upper Susquehanna | 0.011 | | | | | | |
| RS-SC-W0160 | Upper Susquehanna | 0.140 | | | | | | |
| RS-SC-W0158 | Upper Susquehanna | 0.061 | | | | | | |
| RS-SC-W0155 | Upper Susquehanna | 0.031 | | | | | | |
| RS-SC-W0154 | Upper Susquehanna | 0.003 | | | | | | |
| RS-SC-W0151 | Upper Susquehanna | 0.199 | | | | | | |
| RS-SC-W0146 | Upper Susquehanna | 0.006 | | | | | | |
| RS-SC-W0144 | Upper Susquehanna | 0.003 | | | | | | |
| RS-SC-W0135 | Upper Susquehanna | 0.002 | | | | | | |
| RS-SC-W0134 | Upper Susquehanna | 0.162 | | | | | | |
| RS-SC-W0133 | Upper Susquehanna | 0.024 | | | | | | |
| RS-SC-W0050 | Upper Susquehanna | 0.013 | | | | | | |
| RS-SC-W0049 | Upper Susquehanna | 0.025 | | | | | | |
| RS-SC-W0020 | Upper Susquehanna | 0.047 | | | | | | |
| RS-SC-W0018 | Upper Susquehanna | 0.014 | | | | | | |

| | | | Wetland Functions | | | | | | | | | | | | Temporary ¹⁻² | | | O | perationa | State | | |
|--------------------------|-------------------------------------|---------|-------------------|---------|---------|-------------|---------|---------|---------------|---------|---------|---------|---------|---------|--------------------------|------------------|------------------|------|-----------|-------|----------|-----------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. | Crossing ⁵ |
| BR-1B-W083 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | No | II, IV |
| BR-1C-W081 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.11 | 0.01 | 0.04 | 0.05 | 0.00 | 0.00 | No | II |
| BR-1C-W184 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.03 | 0.07 | 0.00 | 0.04 | 0.01 | 0.00 | No | II |
| BR-1C-W217 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.17 | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | No | II |
| BR-1C-W260 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| DR-1C-W200 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| BR-1G-W234 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1I-W233 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.14 | 0.00 | 0.31 | 0.16 | 0.00 | 0.00 | No | II |
| | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.10 | 0.00 | 0.31 | 0.03 | 0.00 | 0.00 | No | II |
| BR-1I-W236 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| BR-1L-W250 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1S-W216 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.06 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| BR-1T-W160C | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1X-W179 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No No | II |
| | Upper Susquehanna Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.08 | 0.25 | 0.00 | 0.12 | 0.04 | 0.00 | No | II |
| BR-1X-W192 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.13 | 0.23 | 0.00 | 0.12 | 0.04 | 0.00 | No | II |
| BR 111 ((1)2 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1X-W215 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| CH-1A-W047 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.44 | 0.00 | 0.00 | 0.00 | No | II |
| CH-1A-W048 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| CH-1A-W049 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.05 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | No | II |
| CH-1A-W050 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.30 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | No | II |
| CH-1A-W056 | Upper Susquehanna | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.07 | 0.49 | 0.00 | 0.03 | 0.08 | 0.00 | No | II |
| CH-1A-W064 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| CH-1B-W026 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.36 | 0.02 | 0.01 | 0.28 | 0.01 | 0.00 | No | II |
| CH-1B-W027 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.04 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.04 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| CH-1B-W028 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.17 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | No | II |
| CH-1C-W014 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| CH-1C-W017 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | No | N/A |
| CH-1C-W018 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | 0.00 | No | II NI/A |
| CH-1C-W043 CH-1C-W051 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No No | N/A II |
| CH-1C-W073 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Princ. Princ. | No Occ. | 0.29 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | No | N/A |
| CH-1C-W075 | Upper Susquehanna Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| CH-1G-W050 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.77 | 0.00 | 0.00 | 0.00 | No | II |
| CH-1G-W062 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.15 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| CH-1H-W021 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.10 | 0.00 | 0.00 | 0.02 | 0.00 | No | II |
| CH-1H-W022 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.04 | 0.01 | 0.30 | 0.03 | 0.01 | 0.00 | No | II |
| CH-1H-W025 | Upper Susquehanna | No Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | IV |
| CH-1J-W045B | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.53 | 0.15 | 0.00 | 0.34 | 0.02 | 0.00 | No | II |

| | | | | | | | W | etland Functi | ons | | | | | | Temporary ¹⁻² | | | O | perationa | State | | |
|---------------------------------|-------------------------------------|---------|----------|----------|----------|---------|----------|---------------|---------------|----------|----------|----------|----------|----------|--------------------------|------------------|------------------|------|-----------|-------|-------------------|-----------------------|
| Wet, ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. | Crossing ⁵ |
| CH-1J-W045C | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.33 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | No | II |
| CH-1Q-W038 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | No | II |
| CH-1Q-W040 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.05 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | No | II |
| CH-1S-W052 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | Occ. | No Occ. | Princ. | No Occ. | 1.20 | 0.00 | 0.00 | 0.80 | 0.00 | 0.00 | No | II |
| CH-1X-W034 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.08 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | No | II |
| CH-1X-W066 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | 0.00 | No | II |
| CH-1X-W067 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| CH-1X-W069 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | No | N/A |
| CH-1X-W071 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | No | II |
| CH-1X-W072 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1A-W248A | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1A-W281A | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1A-W373 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| DE 14 W274 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.03 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | No | II |
| DE-1A-W374 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | No | II N/A |
| DE-1A-W463 PAR 40 DE-1A-W472 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No No | N/A II |
| DE-1A-W473 | Upper Susquehanna Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1A-W475 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.13 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | No | II |
| DE-1A-W476 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1A-W478 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1B-W025 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.11 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | No | II |
| DE-1B-W027 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.17 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | No | II |
| DE-1B-W032 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1B-W033 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1B-W037 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1B-W046 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | 0.07 | 0.00 | 0.01 | 0.04 | 0.00 | 0.00 | No | II |
| DE-1B-W327 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.09 | 0.00 | 0.01 | 0.07 | 0.00 | 0.00 | No | II |
| DE-1B-W336 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.04 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| DE-1B-W337 | Upper Susquehanna | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.22 | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | No | II |
| DE-1C-W050A | Upper Susquehanna | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| DE-1C-W158A TAR 36B | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | Temp. Fill |
| DE-1C-W158C TAR 36A | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | Temp. Fill |
| DE-1C-W158D TAR 36A | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | Temp. Fill |
| DE-1C-W205 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.16 | 0.00 | 0.00 | 0.03 | 0.00 | No | II II |
| DE-1C-W211 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.23 | 0.70 | 0.00 | 0.16 | 0.15 | 0.00 | No | II |
| DE 12 77 17 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | | No Occ. | No Occ. | 0.08 | 0.70 | 0.00 | 0.08 | 0.07 | 0.00 | No D-13, | |
| DE-1C-W215 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | Class II D-13, | N/A |
| DE-1C-W217 DE-1C-W223 | Upper Susquehanna Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. Princ. | No Occ. | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | Class II No | II |
| DE-1C-W223 DE-1C-W224 PAR 36 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | No | Perm. Fill |
| DE-1C-W229 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1C-W234 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | 0.13 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | No | II |
| DL-1C- 11 234 | oppor busquenanna | 566. | 110 000. | 110 000. | 1 11110. | Time. | 110 000. | 110 000. | 1 11110. | 110 000. | 110 000. | 110 000. | 110 000. | 110 000. | 0.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 110 | |

| | | | | | | | W | etland Functi | ons | | | | | | T | emporary | ,1-2 | O | perationa | l ¹⁻² | State | |
|---------------------|-------------------|---------|---------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|------------------|------------------|------------------|------|-----------|------------------|-------------------------|-----------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ | Crossing ⁵ |
| Wet. ID | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1C-W329 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.25 | 0.00 | 0.03 | 0.17 | 0.00 | 0.00 | No | II |
| | Upper Susquehanna | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1C-W331 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1C-W332 | Upper Susquehanna | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1C-W338 TAR 36A | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | Temp. Fill |
| DE-1C-W344 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | Occ. | Princ. | No Occ. | 0.24 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | No | II |
| DE-1C-W345 | Upper Susquehanna | No Occ. | Occ. | No Occ. | Occ. | Occ. | Occ. | Princ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.00 | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| DE-1C-W346 | Upper Susquehanna | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1C-W350 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1C-W351 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1C-W353 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1C-W354 | Upper Susquehanna | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1C-W363 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.38 | 0.00 | 0.00 | 0.07 | 0.00 | No | II |
| DE-1C-W303 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.38 | 0.39 | 0.00 | 0.07 | 0.00 | No | II |
| DE-1C-W364 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1C-W371 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | Article 15 Reg'd | N/A |
| DE-1C-W375A PAR 48B | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | Perm. Fill |
| DE-1C-W376 | Upper Susquehanna | No Occ. | Princ. | No Occ. | 0.08 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | No | II |
| DE-1C-W377 PAR 48B | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | No | Perm. Fill |
| DE-1D-W215 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1D-W283 | Upper Susquehanna | No Occ. | Princ. | No Occ. | 0.13 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | No | II |
| DE-1D-W284 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | II |
| DE-1F-W075 TAR 36C | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | No | Temp. Fill |
| DE-1F-W075 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | V |
| <u> </u> | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | V |
| DE-1G-W008 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1G-W017 | Upper Susquehanna | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.07 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | No | II |
| DE-1G-W143 | Upper Susquehanna | Occ. | Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | 0.03 | 0.22 | 0.00 | 0.03 | 0.04 | 0.00 | No | II |
| | Upper Susquehanna | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| DE-1H-W026 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1H-W028 | Upper Susquehanna | Princ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.07 | 0.00 | 0.02 | 0.05 | 0.00 | 0.00 | No | II |
| DE-1H-W030 | Upper Susquehanna | Princ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.18 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | No | II |
| DE-1H-W034 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| DE-1H-W035 | Upper Susquehanna | No Occ. | Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1I-W245 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.15 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | No | II |
| DE-1K-W227 | Upper Susquehanna | No Occ. | Princ. | No Occ. | 0.00 | 0.40 | 0.00 | 0.00 | 0.05 | 0.00 | No | II |
| DE-1K-W228 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | II |
| DE-1K-W228 TAR 36C | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | No | Temp. Fill |
| DE-1K-W232 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.06 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| DE-1K-W233 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.63 | 0.24 | 0.00 | 0.36 | 0.04 | 0.00 | No | II |
| DE-1L-W250 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 1.10 | 0.00 | 0.00 | 0.17 | 0.00 | No | II N/A |
| DE-1L-W252 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1L-W300 | Upper Susquehanna | No Occ. | Princ. | No Occ. | 0.45 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | No | II |

| | | | | | | | W | etland Functi | ons | | | | | | Te | emporary | ,1-2 | 0 | perationa | l ¹⁻² | State | |
|--------------------|-------------------|---------|-------------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|------------------|------------------|------------------|------|-----------|------------------|------------------|-----------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. | Crossing ⁵ |
| DE-1L-W301 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | II |
| DE-1L-W303 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.11 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | No | II |
| DE-1L-W304 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| DE-1L-W305 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1L-W306 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| DE-1M-W079 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1M-W080 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.24 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1M-W088 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1M-W094 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.28 | 0.00 | 0.00 | 0.05 | 0.00 | No | II |
| DE-1M-W095 | Upper Susquehanna | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1M-W096 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1M-W148 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.05 | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | No | П |
| DE-1M-W150 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | No | II |
| DE-1M-W151 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.41 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | No | II |
| DE-1M-W154 | Upper Susquehanna | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | Princ. | No Occ. | 0.22 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | No | II |
| DE-1M-W154 PAR 48B | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | Perm. Fill |
| DE-1M-W175 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.35 | 0.00 | 0.33 | 0.26 | 0.00 | 0.00 | No | II |
| DE-1N-W006 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.09 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | No | II |
| DE-1N-W012 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.22 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | No | II |
| DE-1N-W101 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.41 | 0.00 | 0.00 | 0.00 | No DE-11, | II |
| DE-1N-W156A | Upper Susquehanna | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | Class II DE-11, | VI |
| | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | Class II | VI |
| DE-1P-W052 | Upper Susquehanna | Princ. | Princ. | No Occ. | Occ. | No Occ. | No Occ. | Princ. | Occ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.34 | 0.00 | 0.00 | 0.07 | 0.00 | No | VI, II |
| DE-1P-W067 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1P-W071 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No ON-4, | N/A |
| DE-1P-W074 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.27 | 0.00 | 0.00 | 0.05 | 0.00 | Class II D-8, | II |
| DE-1P-W128 | Upper Susquehanna | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.24 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | Class II | II |
| | Upper Susquehanna | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 1.54 | 0.00 | 0.00 | 0.00 | D-8, Class II | II |
| DE-1P-W133 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1P-W134 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1P-W149 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| DE-1P-W258A | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1Q-W105 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1Q-W110 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.01 | 0.46 | 0.00 | 0.00 | 0.08 | 0.00 | No | II |
| DE-1Q-W142 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | 0.13 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | No | II |
| DE-1Q-W180 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.29 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | No | II |
| DE-1Q-W181 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.16 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | No No | II N/A |
| DE-1Q-W212 | Upper Susquehanna | No Occ. | | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | ł | No Occ. | No Occ. | | 0.00 | 0.01 | | | 0.00 | No No | N/A N/A |
| DE-1Q-W216 | Upper Susquehanna | No Occ. | No Occ. | | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No No | |
| DE-1S-W021 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | No | II |
| DE-1S-W255 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | | 0.00 | 0.00 | 0.55 | | 0.00 | 0.00 | No | II N/A |
| DE-1T-W051 | Upper Susquehanna | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | N/A |

| | | | | | | | W | etland Functi | ons | | | | | | To | emporary | ,1-2 | O | perationa | l ¹⁻² | State | |
|-------------|-------------------------------------|---------|---------------|---------|---------|---------|---------|---------------|---------------|---------|---------|---------|---------|---------|------------------|------------------|------------------|------|-----------|------------------|-------------------|-----------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. | Crossing ⁵ |
| DE-1T-W055 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| DE-1T-W060 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 1.50 | 0.00 | 0.00 | 0.24 | 0.00 | No | II |
| DE-1W-W065 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.08 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| DE-1W-W069 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.65 | 0.00 | 0.00 | 0.46 | 0.00 | 0.00 | No | II |
| DE-1W-W073 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | II |
| | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1W-W075 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1W-W125 | Upper Susquehanna | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.49 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | ON-4, Class II | II |
| DE-1W-W126 | Upper Susquehanna | Occ. | Occ. | No Occ. | Occ. | Occ. | Occ. | Occ. | Princ. | No Occ. | 0.08 | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | No | II |
| DE-1W-W132 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| DE-1X-W158 | Upper Susquehanna | Occ. | Occ. | No Occ. | Occ. | Occ. | Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | V |
| DE-1X-W130 | Upper Susquehanna | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | V |
| DE-1X-W282 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.16 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | No | II |
| DE 17 W202 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | II |
| DE-1X-W285 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.18 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | No | II |
| DE-1Y-W085 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.07 | 0.00 | 0.37 | 0.06 | 0.00 | 0.00 | No | II |
| SC-1A-W460 | Upper Susquehanna | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | Occ. | Princ. | No Occ. | 0.19 | 0.00 | 0.00 | 0.13 | 0.00 | 0.00 | No | II |
| SC-1C-W373 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1C-W411 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1F-W003 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| SC-1G-W443 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.34 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1H-W253 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.22 | 0.00 | 0.00 | 0.14 | 0.00 | 0.00 | No | II |
| | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1H-W257 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.16 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | No No | II |
| SC-1H-W25/ | Upper Susquehanna | No Occ. | Princ. Princ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. Princ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.16 | 0.01 | 0.00 | 0.05 | 0.00 | 0.00 | No No | II |
| SC-1K-W417 | Upper Susquehanna Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | | 11 |
| SC-1L-W427 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No No | II |
| SC-1N-W001 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.46 | 0.00 | 0.02 | 0.07 | 0.00 | No | II |
| SC-1Q-W374 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.40 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| SC-1Q-W377 | Upper Susquehanna | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1X-W256 | Upper Susquehanna | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.01 | 1.42 | 0.00 | 0.00 | 0.20 | 0.00 | No | II |
| SC-1Y-W436 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1Y-W437 | Upper Susquehanna | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1A-W160A | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| SC-1A-W292C | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1A-W292D | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1A-W421 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.05 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1A-W422 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1A-W464 | Schoharie | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.07 | 0.00 | 0.00 | 0.02 | 0.00 | No | II |
| SC-1B-W455 | Schoharie | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| SC-1B-W458 | Schoharie | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| SC-1C-W172A | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.02 | 0.00 | 0.01 | 0.00 | No | N/A |

| | | | | | | | W | etland Functi | ons | | | | | | Т | emporary | ,1-2 | O | perationa | l ¹⁻² | State Wet. | |
|--------------------------|------------------------|---------|---------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|------------------|------------------|------------------|------|-----------|------------------|--------------------|-----------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Class ⁴ | Crossing ⁵ |
| SC-1C-W313 | Schoharie | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1C-W314 | Schoharie | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1C-W315 | Schoharie | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.30 | 0.00 | 0.00 | 0.05 | 0.00 | No | II |
| SC-1C-W360 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1C-W361 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1C-W366 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1C-W370 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1C-W418 | Schoharie | No Occ. | Princ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1C-W419 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | No | IV |
| SC-1C-W420 | Schoharie | No Occ. | Princ. | No Occ. | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1C-W459 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | 0.14 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | SU-17, Class II | II |
| SC-1D-W292 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.31 | 0.01 | 0.00 | 0.05 | 0.00 | No | II |
| SC-1D-W295 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.24 | 0.00 | 0.00 | 0.04 | 0.00 | No | II |
| SC-1D-W296 | Schoharie | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.11 | 0.09 | 0.00 | 0.06 | 0.02 | 0.00 | No | II |
| SC-1E-W100 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.33 | 0.00 | 0.00 | 0.17 | 0.00 | 0.00 | No | II, IV |
| SC-1E-W101 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | 0.03 | 0.00 | 0.11 | 0.05 | 0.00 | 0.00 | No | II |
| SC-1E-W103 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | II |
| SC-1E-W105 | Schoharie | Princ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.35 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | No | II |
| SC-1E-W112 | Schoharie | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.36 | 0.00 | 0.00 | 0.22 | 0.00 | 0.00 | No | II |
| SC-1G-W160 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.11 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| SC-1G-W339 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1G-W340 | Schoharie | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.36 | 0.00 | 0.00 | 0.00 | No | II NI/A |
| SC-1G-W441 SC-1I-W387 | Schoharie Schoharie | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No No | N/A |
| SC-11-W397 SC-11-W395 | Schoharie | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | No | II N/A |
| SC-1I-W397 | Schoharie | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1I-W399 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1I-W434 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1J-W385 | Schoharie | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1J-W396 | Schoharie | No Occ. | Princ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1L-W167 | Schoharie | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 1.05 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1L-W213 | Schoharie | No Occ. | Princ. | No Occ. | 0.21 | 0.00 | 0.00 | 0.11 | 0.00 | 0.00 | No | II |
| SC-1L-W215 | Schoharie | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.31 | 0.75 | 0.00 | 0.05 | 0.00 | No | II |
| SC-1L-W300 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.05 | 0.00 | 1.49 | 0.07 | 0.00 | 0.00 | No | II |
| SC-1L-W303 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1L-W304 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1L-W307 | Schoharie | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Princ. | No Occ. | 0.00 | 0.56 | 0.00 | 0.00 | 0.09 | 0.00 | No | II |
| SC-1L-W308 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.27 | 0.00 | 0.00 | 0.05 | 0.00 | No | II |
| SC-1L-W352 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1L-W356 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.30 | 0.69 | 0.00 | 0.04 | 0.00 | No | II |
| SC-1M-W058 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 1.18 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1M-W067 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.54 | 0.00 | 0.00 | 0.09 | 0.00 | No | II |
| SC-1M-W071 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.34 | 1.79 | 0.00 | 0.05 | 0.00 | CO-25, Class II | II |

| | | | | | | | W | etland Functi | ons | | | | | | To | emporary | ,1-2 | O | perationa | l ¹⁻² | State | |
|---------------|----------------|---------|---------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|------------------|------------------|------------------|------|-----------|------------------|------------------------------|-----------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | - Wet. Class ⁴ | Crossing ⁵ |
| SC-1M-W181 | Schoharie | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.07 | 0.00 | 0.38 | 0.04 | 0.00 | 0.00 | CO-25, Class II | II |
| SC-1M-W184 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1M-W188 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1M-W233 | Schoharie | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.21 | 0.13 | 0.00 | 0.16 | 0.02 | 0.00 | No | II |
| SC-1N-W055 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.43 | 0.09 | 0.00 | 0.07 | 0.00 | No | II |
| SC-1N-W063 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1P-W056 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1P-W133 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.55 | 0.00 | 0.00 | 0.08 | 0.00 | No | II |
| SC-1P-W135 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.39 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1Q-W156 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1Q-W164 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.31 | 0.00 | 0.00 | 0.05 | 0.00 | No | II |
| SC-1Q-W216 | Schoharie | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.08 | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | No | II |
| SC-1Q-W354 | Schoharie | No Occ. | Princ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | No | II |
| SC-1Q-W359 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.03 | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | No | II |
| SC-1Q-W363 | Schoharie | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.24 | 0.00 | 0.05 | 0.15 | 0.00 | 0.00 | No | II |
| SC-1Q-W365 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.23 | 0.00 | 0.02 | 0.19 | 0.00 | 0.00 | No | II |
| SC-1Q-W367 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.11 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1Q-W379 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| SC-1Q-W380 | Schoharie | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.21 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1Q-W382 | Schoharie | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | II |
| SC-1R-W111 | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.03 | 0.00 | 0.02 | 0.01 | 0.00 | 0.00 | No | II, IV |
| SC-1U-W292F | Schoharie | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| BR-1B-W048 | Upper Delaware | Princ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | IV |
| BR-1B-W057 | Upper Delaware | Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.85 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1B-W064 | Upper Delaware | Occ. | Occ. | Occ. | Princ. | Princ. | Occ. | Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.06 | 0.23 | 0.00 | 0.01 | 0.00 | No | II |
| BR IB Wool | Upper Delaware | Occ. | Occ. | Occ. | Princ. | Princ. | Occ. | Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1B-W066 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Princ. | No Occ. | 0.16 | 0.15 | 0.00 | 0.07 | 0.03 | 0.00 | No | II |
| BR-1B-W074 | Upper Delaware | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | NS-1, Class II | II |
| BR-1B-W076 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1B-W077 | Upper Delaware | Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | II |
| BR-1B-W078 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1B-W079 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.09 | 0.00 | 1.18 | 0.02 | 0.00 | 0.00 | No | II |
| BR-1B-W214 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1C-W075 | Upper Delaware | Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.13 | 0.01 | 0.00 | 0.08 | 0.00 | 0.00 | No | II |
| BR-1C-W180 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.27 | 0.00 | 0.11 | 0.21 | 0.00 | 0.00 | No | II |
| BR-1C-W182 | Upper Delaware | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1C-W251 | Upper Delaware | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | II |
| BR-1C-W263 | Upper Delaware | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.19 | 0.00 | 0.00 | 0.03 | 0.00 | No | II |
| DIV-1C- W 203 | Upper Delaware | Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.10 | 0.06 | 0.00 | 0.01 | 0.00 | No | II |
| BR-1C-W268 | Upper Delaware | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1G-W229 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| BR-1H-W151 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | No | II |

| | | | | | | | W | etland Functi | ons | | | | | | Te | emporary | ,1-2 | o | perationa | l^{1-2} | State Wet. | |
|-------------|----------------|---------|---------|---------|---------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|------------------|------------------|------------------|--------|-----------|-----------|--------------------|----------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Class ⁴ | Crossing |
| DD 411 W456 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.33 | 0.37 | 0.00 | 0.06 | 0.00 | No | II |
| BR-1H-W156 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.33 | 0.00 | 0.00 | 0.06 | 0.00 | No | II |
| DD 111 W174 | Upper Delaware | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1H-W174 | Upper Delaware | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | Princ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | N/A |
| BR-1H-W206 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1H-W211 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.07 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| BR-1H-W240 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.32 | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | No | II |
| BR-1H-W243 | Upper Delaware | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.04 | 0.05 | 0.00 | 0.01 | 0.01 | 0.00 | No | II |
| BR-1I-W052 | Upper Delaware | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1I-W054B | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1I-W054C | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1I-W055 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1I-W056 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | No | II |
| | Upper Delaware | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.00 | 1.04 | 0.23 | 0.00 | 0.00 | 0.00 | No | II |
| DD 11 W/050 | Upper Delaware | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | No | II |
| BR-1I-W059 | Upper Delaware | Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.69 | 0.00 | 0.00 | 0.00 | No | II |
| | Upper Delaware | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.00 | 1.04 | 0.12 | 0.00 | 0.41 | 0.00 | No | II |
| BR-1I-W062 | Upper Delaware | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.29 | 0.12 | 0.00 | 0.04 | 0.00 | No | II |
| BR-1I-W070 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.33 | 0.00 | 0.00 | 0.06 | 0.00 | No | II |
| BR-1I-W073 | Upper Delaware | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.12 | 0.17 | 0.00 | 0.08 | 0.03 | 0.00 | No | II |
| BR-1I-W226 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| BR-1I-W228 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1I-W230 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1J-W210 | Upper Delaware | Princ. | Occ. | No Occ. | Princ. | Princ. | Occ. | No Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.00 | 0.11 | 0.36 | 0.00 | 0.01 | 0.00 | No | II |
| BR-1K-W161 | Upper Delaware | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| BR-1K-W162 | Upper Delaware | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.02 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1K-W172 | Upper Delaware | No Occ. | Princ. | No Occ. | 0.16 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | No | II |
| BR-1L-W253 | Upper Delaware | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1Q-W241 | Upper Delaware | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | No | N/A |
| BR-1Q-W242 | Upper Delaware | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.13 | 0.00 | 0.00 | 0.01 | 0.00 | No | II |
| BR-1U-W165 | Upper Delaware | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.00 | 0.00 | 0.03 | 0.00 | 0.00 | 0.00 | No | II |
| BR-1U-W168 | Upper Delaware | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.0000 | 0.0400 | 0.0501 | 0.0000 | 0.0100 | 0.0000 | No | II |

^{1 0.0 =} wetland type is not crossed by the pipeline but is in workspace, Wetlands identified for crossings via directional drilling (crossing type "V") surface impacts are assumed to be 0.00.

² Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent); Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees taller than 15 feet will be selectively cut and removed. For a HDD crossing methods, a 10-foot wide corridor will be permanently maintained in herbaceous vegetated cover through PFO and PSS wetlands. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing land use based on field surveys or desktop analysis, including NWI data, in those areas where permission has not been granted to conduct field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table. The ROW width at all wetland crossings is 75 feet, except for those wetlands described in Table 2.3-8.

Wetland classification according to Cowardin et al. 1979.

⁴ New York classifies wetlands per Article 24 (Freshwater Wetlands) of the Environmental Conservation Law

⁵ Crossing Methods for wetlands are I = Standard Crossing; II = Conventional Crossing; III = Push/Pull Crossing; IV = Conventional Bore; V = Horizontal Directional Drill; N/A = Wetland not crossed by pipeline

| <u>New Yor</u> | k Remote | ely Sens | ed Wetlo | ınds Im | pacted I | Function. | s and V | alues | | | | | | | | | | | Cor | <u>istitutior</u> | i Pipelini |
|-----------------|---------------|------------|------------|------------|----------|-----------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|-------------------|----------------------------|
| | | | | | | , | Wetland | l Functi | ions | | | | | | Cor | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-BR- W0002 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0007 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0011 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.024 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-BR- W0012 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0013 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.100 | 0.000 | 0.000 | 0.017 | 0.000 | N/A |
| RS-BR- W0014 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.048 | 0.000 | 0.000 | 0.044 | 0.000 | 0.000 | N/A |
| RS-BR- W0015 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.012 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| RS-BR- W0016 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | N/A |
| RS-BR- W0017 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-BR- W0018 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0019 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0020 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.249 | 0.000 | 0.000 | 0.063 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-BR- W0021 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0021 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.032 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0022 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0097 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0099 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0110 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0111 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.009 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| RS-BR- W0113 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-BR- W0114 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| RS-BR- W0116 | Up. Del. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0117 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.017 | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | N/A |
| RS-BR- W0123 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.122 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | , | Wotlow | d Funct | iona | | | | | | Con | structio | 1-2 | Λ | erationa | 1-2 | |
|-----------------|-------------|------------|------------|------------|------|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|----------|----------------------------|
| | HUC 8 | | T | 1 | 1 | <u> </u> | vvetiano | 1 Funct | ions | | 1 | 1 | | | Con | structio | <u>n</u> | Ор | erationa | <u> </u> | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-BR- W0124 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0125 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0126 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.220 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0128 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.035 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0131 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.046 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0132 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-BR- W0133 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0134 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.027 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0135 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.031 | 0.000 | 0.000 | 0.006 | 0.000 | N/A |
| RS-BR- W0136 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0137 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0140 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | 7 | 117 a 41 = = | J. 17 | : | | | | | | | · ~4····· - 4.º | 1-2 | | | 1-2 | |
|-----------------|-------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-----------------|----------------------------|
| | HUC 8 | | | | | | Wetland | d Funct | ions | | | | 1 | | Cor | structio | n' - | Op | erationa | l* ² | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-BR- W0142 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0212 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.342 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0214 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0215 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.043 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0216 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0217 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.249 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0218 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.031 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0219 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.018 | 0.000 | 0.000 | 0.003 | 0.000 | N/A |
| RS-BR- W0220 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.052 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0241 | Up. Del. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.034 | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | N/A |
| RS-BR- W0242 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.023 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0243 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.023 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | | | | |
|-----------------|---------------|------------|------------|------------|------|------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-BR- W0245 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.441 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0246 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0247 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.042 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0249 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.049 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0250 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0251 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0252 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0253 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0254 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0255 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0256 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0257 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.041 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | 7 | Wetland | l Functi | ions | | | | | | Con | struction | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-BR- W0258 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.034 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0259 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.224 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0260 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0267 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.253 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0268 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.084 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0269 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.019 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |
| RS-BR- W0271 | Up. Del. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0272 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0273 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0275 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.029 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0276 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.011 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| RS-BR- W0277 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------|------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-BR- W0277 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0279 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0280 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0386 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0388 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.037 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0389 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0390 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.104 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0392 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0393 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.170 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0394 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0396 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-BR- W0397 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |

| | | | | | | - | (X7 4) | 10 | | | | | | | | 4 4. | 1-2 | | 4. | 1-2 | 1 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | THICO | | 1 | | | <u>'</u> | Wetland | d Funct | ions | 1 | 1 | 1 | | | Con | structio | n'-² | Op | erationa | l*** | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-BR- W0398 | Up. Del. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | - | 0.000 | N/A |
| RS-BR- W0399 | Up. Del. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0400 | Up. Del. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0401 | Up. Del. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.022 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-BR- W0402 | Up. Del. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0403 | Up. Del. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0404 | Up. Del. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.032 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-BR- W0405 | Up. Del. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0001 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0002 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.066 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0003 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0004 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | (X7 4) | 1.0 | • | | | | | | | 4 4. | 1-2 | | 4. | 1-2 | |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | THICO | | 1 | | 1 | <u>'</u> | Wetland | d Funct | ions | 1 | 1 | 1 | | | Con | structio | n'-² | Op | erationa | [1-2 | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-CH- W0005 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.084 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0006 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0007 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0008 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.147 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0015 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.076 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0016 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.040 | 0.000 | 0.000 | 0.009 | 0.000 | N/A |
| RS-CH- W0017 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.023 | 0.000 | 0.000 | 0.029 | 0.000 | 0.000 | N/A |
| RS-CH- W0021 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.011 | 0.000 | 0.000 | 0.004 | 0.000 | N/A |
| RS-CH- W0022 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.163 | 0.000 | 0.000 | 0.079 | 0.000 | 0.000 | N/A |
| RS-CH- W0024 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0026 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0027 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.039 | 0.000 | 0.000 | - | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | | | 1.2 | 1 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | , | | | 1 | Wetland | l Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-CH- W0032 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.048 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0033 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0034 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.039 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0035 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.028 | 0.000 | 0.000 | 0.000 | N/A |
| RS-CH- W0041 | Up. Sus. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0009 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0010 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.011 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |
| RS-DE- W0012 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |
| RS-DE- W0013 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| RS-DE- W0014 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0015 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0018 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.033 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | | | | | 1. |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0019 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.019 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| RS-DE- W0020 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0023 | Up. Sus. | No Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0024 | Up. Sus. | No Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-DE- W0027 | Up. Sus. | No Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.021 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| RS-DE- W0028 | Up. Sus. | No Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.089 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0029 | Up. Sus. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.120 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0030 | Up. Sus. | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0030 | Up. Sus. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.081 | 0.000 | 0.000 | 0.059 | 0.000 | 0.000 | N/A |
| RS-DE- W0032 | Up. Sus. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.000 | 0.013 | 0.000 | 0.000 | 0.004 | 0.000 | N/A |
| RS-DE- W0035 | Up. Sus. | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.041 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0037 | Up. Sus. | No Occ. | Princ. | Occ. | No Occ. | No Occ. | No Occ. | Occ. | Princ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | | | | 12 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | , | Wetland | l Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0039 | Up. Sus. | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0040 | Up. Sus. | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0041 | Up. Sus. | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.053 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0043 | Up. Sus. | Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0045 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.024 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-DE- W0047 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| RS-DE- W0049 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0050 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0051 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.059 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-DE- W0052 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.038 | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | N/A |
| RS-DE- W0053 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0054 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | - | | 1 2 | 13 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | HILO | | | | | | Wetlan | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | 12 | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0055 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0056 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0058 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0060 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0061 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0103 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0108 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0110 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0111 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.048 | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | N/A |
| RS-DE- W0112 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0113 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | N/A |
| RS-DE- W0115 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.049 | 0.000 | 0.000 | 0.039 | 0.000 | 0.000 | N/A |

| | | | | | | | (X7 4) | | | | | | | | ~ | 4 4. | 1-2 | | 4. | 1-2 | 14 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | | | 1 | | 1 | <u>'</u> | Wetland | d Funct | ions | | 1 | 1 | I | | Con | structio | n'-² | Op | erationa | l*** | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0118 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0119 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-DE- W0123 | Up. Sus. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0124 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.028 | 0.000 | 0.000 | 0.060 | 0.000 | 0.000 | N/A |
| RS-DE- W0127 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | N/A |
| RS-DE- W0136 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0138 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0139 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.024 | 0.000 | 0.000 | 0.030 | 0.000 | 0.000 | N/A |
| RS-DE- W0140 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.050 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0146 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.028 | 0.000 | 0.000 | N/A |
| RS-DE- W0442 | Up. Sus. | No Occ. | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0445 | Up. Sus. | No Occ. | 0.021 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |

| | | | | | | | T7 43 | 1. | | | | | | | ~ | | 1-2 | | 40 | 1-2 | 1 |
|---------|---------------|------|------|------|------|------|---------|----------|--------|------|------|------|------|------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | шисе | | | | | ' | Wetland | l Functi | ions | | | | | | Con | structio | n' | Op | erationa | l*** | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- | Up. | No | No | No | No | No | No | No | No | No | No | No | No | No | 0.000 | 0.000 | 0.033 | 0.000 | 0.000 | 0.000 | N/A |
| W0448 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.033 | 0.000 | 0.000 | 0.000 | 1 1/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | No | No | No | No | No | No | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | 0.000 | N/A |
| W0450 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | 14/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | No | No | No | No | No | No | 0.000 | 0.000 | 0.038 | 0.000 | 0.000 | 0.000 | N/A |
| W0453 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.030 | 0.000 | 0.000 | 0.000 | 14/71 |
| RS-DE- | Up. | No | No | No | No | No | No | No | No | No | No | No | No | No | 0.000 | 0.000 | 0.027 | 0.000 | 0.000 | 0.000 | N/A |
| W0457 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.027 | 0.000 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | No | No | No | No | No | No | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | 0.000 | N/A |
| W0458 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | No | No | No | No | No | No | 0.000 | _ | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W0461 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | | 0.000 | 0.000 | 0.000 | 0.000 | 14/11 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W0517 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.064 | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | N/A |
| W0523 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Time. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.004 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W0524 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 000. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| W0527 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | _ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W0530 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | 0.500 | 0.500 | 0.500 | 0.000 | 0.500 | 1,11 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.010 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | N/A |
| W0531 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.510 | 0.500 | 0.500 | 0.010 | 0.000 | 0.500 | 1,711 |
| | 1 | 1 | 1 | | 1 | 1 | | 1 | I | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

| | | | | | | | | | • | | | | | | | | 1-2 | 6 | | -1-2 | 10 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|------------------|----------------------------|
| | | | 1 | 1 | | ' | Wetland | d Funct | ions | ı | ı | | 1 | ı | Con | structio | n'-2 | Op | erationa | [1 ⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0534 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0535 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.046 | 0.000 | 0.000 | 0.035 | 0.000 | 0.000 | N/A |
| RS-DE- W0537 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0539 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0542 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0552 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.078 | 0.000 | 0.000 | 0.106 | 0.000 | 0.000 | N/A |
| RS-DE- W0560 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.030 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0562 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0564 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W0620 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.037 | 0.000 | 0.000 | 0.000 | ON-5 |
| RS-DE- W0621 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | ON-5 |
| RS-DE- W0623 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | 0.000 | ON-5 |

| | | | | | | | Watland | l Functi | ione | | | | | | Cor | structio | n ¹⁻² | On | erationa | 1-2 |] |
|-----------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------------|------------------|------------------|-------|--------------|-------|----------------------------|
| | HUC 8 | | I | | | <u> </u> | wenand | I Funct | IOHS | ı | | 1 | I | 1 | Con | ISTUCTIO | 11 | Ор | еганопа. | l l | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0628 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.219 | 0.000 | 0.000 | 0.000 | ON-5 |
| RS-DE- W0630 | Up. Sus. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.048 | 0.000 | 0.000 | 0.000 | 0.000 | ON-5 |
| RS-DE- W0635 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.035 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| RS-DE- W0636 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0637 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.103 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| RS-DE- W0638 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0639 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0640 | Up. Sus. | No Occ. | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0641 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.042 | 0.000 | 0.000 | 0.007 | 0.000 | N/A |
| RS-DE- W0642 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.066 | 0.000 | 0.000 | 0.007 | 0.000 | N/A |
| RS-DE- W0643 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.007 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W0645 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | ~ | | 1-2 | | | -1-2 | 18 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|------------------|----------------------------|
| | | | 1 | | 1 | ' | Wetland | d Funct | ions | 1 | 1 | 1 | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0649 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0650 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0652 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0657 | Up. Sus. | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.160 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0658 | Up. Sus. | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0660 | Up. Sus. | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0661 | Up. Sus. | No Occ. | Occ. | No Occ. | Princ. | Princ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0662 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0663 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.247 | 0.000 | 0.000 | 0.027 | 0.000 | 0.000 | N/A |
| RS-DE- W0664 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-DE- W0664 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0668 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | | | | | 19 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Ope | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0671 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | N/A |
| RS-DE- W0677 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0678 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0680 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.024 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-DE- W0681 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.013 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| RS-DE- W0688 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0690 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0691 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0692 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| RS-DE- W0694 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.026 | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | N/A |
| RS-DE- W0695 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0696 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.035 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | _ | | 1.2 | 2 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | HIGO | | ı | | 1 | 1 | Wetland | l Functi | ions | | ı | | | 1 | Con | structio | n ¹⁻² | Ope | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0697 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.025 | 0.000 | 0.000 | 0.026 | 0.000 | 0.000 | N/A |
| RS-DE- W0698 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0702 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0705 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.101 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0709 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W0710 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.099 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| RS-DE- W0713 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.017 | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | N/A |
| RS-DE- W0714 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W0716 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | N/A |
| RS-DE- W0717 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0718 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | N/A |
| RS-DE- W0719 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.075 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | • | | | | | | ~ | | 1-2 | | | -1-2 | 2.1 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|------------------|----------------------------|
| | | | | | | | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0719 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0720 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0721 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0724 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0725 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | N/A |
| RS-DE- W0726 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0731 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.032 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0732 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| RS-DE- W0735 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0737 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-DE- W0738 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.037 | 0.000 | 0.000 | 0.006 | 0.000 | N/A |
| RS-DE- W0741 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.029 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | | | | | 22 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Ope | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0742 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0744 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0745 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.123 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0747 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.018 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W0748 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0750 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.035 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0751 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.021 | 0.000 | 0.000 | 0.031 | 0.000 | 0.000 | N/A |
| RS-DE- W0752 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0754 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0755 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.025 | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | N/A |
| RS-DE- W0756 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0757 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | , | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0830 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0831 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| RS-DE- W0833 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.454 | 0.000 | 0.000 | 0.062 | 0.000 | N/A |
| RS-DE- W0835 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0835 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0836 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0837 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0837 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.134 | 0.000 | 0.000 | 0.057 | 0.000 | 0.000 | N/A |
| RS-DE- W0841 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0872 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0873 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0878 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.033 | 0.000 | 0.000 | 0.007 | 0.000 | N/A |

| | | | | | | , | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l^{1-2} | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|-----------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0880 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0881 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0882 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | N/A |
| RS-DE- W0884 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0886 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.024 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| RS-DE- W0887 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W0888 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0889 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W0891 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0892 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0894 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.092 | 0.000 | 0.000 | 0.060 | 0.000 | 0.000 | N/A |
| RS-DE- W0896 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | | | | 2 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Ope | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W0899 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0900 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0904 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0905 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0906 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0907 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| RS-DE- W0908 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W0918 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0918 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0921 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0922 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.059 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0923 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | Wotles | I Errorati | iona | | | | | | Com | atur -4! - | 1-2 | 0 | erationa | 1-2 | 1 |
|---------|-------|------|------|------|------|------|---------|------------|------|------|------|------|------|------|-------------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | HUC 8 | | | | | | Wetland | l Functi | ions | | | | | | Con | structio | n' - | Op | erationa | [| State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- | Up. | No | No | No | Occ. | Occ. | No | No | No | No | No | No | No | No | 0.000 | 0.000 | 0.074 | 0.000 | 0.000 | 0.000 | N/A |
| W0924 | Sus. | Occ. | Occ. | Occ. | Occ. | 000. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.074 | 0.000 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | Occ. | Occ. | No | No | Occ. | No | No | No | No | No | 0.000 | 0.000 | _ | 0.000 | 0.000 | 0.000 | N/A |
| W0925 | Sus. | Occ. | Occ. | Occ. | Occ. | 000. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | | 0.000 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W0926 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 14/11 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.012 | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | N/A |
| W0927 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.012 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.006 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| W0929 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1 1/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.003 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | N/A |
| W0931 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 1,112 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.003 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| W0932 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.007 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| W0933 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1,112 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.008 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| W0935 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W0937 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.011 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| W0939 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.039 | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | N/A |
| W0940 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| | 1 | 1 | • | | 1 | | | 1 | | | • | • | 1 | 1 | | • | 1 | • | 1 | 1 | 1 |

| | | | | | | , | Wetlan | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | Chahr |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|-------------------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | State Wet. Class ⁴ |
| RS-DE- W0942 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-DE- W0945 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.020 | 0.000 | 0.000 | 0.026 | 0.000 | 0.000 | N/A |
| RS-DE- W0946 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-DE- W0947 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0948 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0949 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0950 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0977 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0978 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0979 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.065 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0980 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0980 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | Stata |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|-------------------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | State Wet. Class ⁴ |
| RS-DE- W0981 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0982 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0983 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | - | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0984 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.025 | 0.000 | 0.000 | 0.028 | 0.000 | 0.000 | N/A |
| RS-DE- W0986 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.007 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W0987 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.022 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-DE- W0988 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | N/A |
| RS-DE- W0989 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W0990 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W0992 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W0994 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W0995 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.064 | 0.000 | 0.000 | 0.026 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | On | erationa | 1-2 | |
|---------|-------|------|------|------|------|----------|-----------|----------|-------|------|------|------|------|------|-------------------------|------------------|------------------|-------|------------|----------|----------------------------|
| | HUC 8 | | | | | <u>'</u> | vv etiant | I Functi | 10115 | 1 | | | | | Con | SH UCHO | 111 | Ор | ei ationa. | <u>.</u> | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.037 | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | N/A |
| W0997 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.057 | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | 1,71 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1000 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1001 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.026 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| W1002 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.020 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 1,71 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1004 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 000. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 14/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.014 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| W1005 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.01 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 1011 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.021 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | N/A |
| W1006 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1008 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | Occ. | Occ. | No | No | No | No | No | No | No | No | 0.005 | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | N/A |
| W1009 | Sus. | Occ. | Occ. | Occ. | | | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | Occ. | Occ. | No | No | Occ. | No | No | No | No | No | 0.018 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| W1011 | Sus. | Occ. | Occ. | Occ. | | | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | Occ. | Occ. | No | No | Occ. | No | No | No | No | No | 0.000 | 0.019 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |
| W1012 | Sus. | Occ. | Occ. | Occ. | | | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | Occ. | Occ. | No | No | No | No | No | No | No | No | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | N/A |
| W1014 | Sus. | Occ. | Occ. | Occ. | | | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| | 1 | 1 | 1 | 1 | 1 | 1 | ı | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 |

| | | | | | | | | | | | | | | | ~ | | 1-2 | | | -1-2 | 30 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|------------------|----------------------------|
| | | | | | | | Wetland | d Functi | ions | | • | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1015 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.056 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1016 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.038 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1019 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.033 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1020 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1021 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.012 | 0.000 | 0.000 | 0.006 | 0.000 | N/A |
| RS-DE- W1022 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| RS-DE- W1023 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1024 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1026 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1027 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1029 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1030 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | , | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1033 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1034 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W1035 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.035 | 0.000 | 0.000 | 0.003 | 0.000 | N/A |
| RS-DE- W1037 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1038 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1039 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1040 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1046 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.041 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1047 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1048 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.149 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1049 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1050 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.127 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |

| | | | | | | | | | | | | | | | ~ | | 1-2 | _ | | .1.2 | 32 |
|-----------------|---------------|------------|------------|------------|------|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | HIIGO | | | 1 | 1 | <u>'</u> | Wetland | l Functi | ions | 1 | | | ı | 1 | Con | structio | n ¹⁻² | Op | erationa | 12 | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1051 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.104 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1052 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1055 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.029 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| RS-DE- W1057 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1059 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1060 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1061 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1062 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1063 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.054 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | N/A |
| RS-DE- W1064 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1065 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1066 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.028 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | Wetland | d Functi | ions | | | | | | Cor | structio | n ¹⁻² | On | erationa | 1-2 | 3 |
|-----------------|-------------|------------|------------|------------|------------|------------|------------|------------|------|------------|------------|------------|------------|------------|---------|------------------|------------------|-------|----------|----------|--------------------|
| Wat ID | HUC 8 | | | | | | | T unce | | | | | | | Cor | | 1 | Ор | | <u> </u> | State Wet. |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO^3 | PSS ³ | PEM ³ | PFO | PSS | PEM | Class ⁴ |
| RS-DE- | Up. | No | Occ. | No | No | No | No | No | 0.016 | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | N/A |
| W1067 | Sus. | Occ. | 000. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.010 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 11/11 |
| RS-DE- | Up. | No | No | No | Occ. | Occ. | No | No | Occ. | No | No | No | No | No | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1069 | Sus. | Occ. | Occ. | Occ. | 300. | | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.027 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | Occ. | No | No | No | No | No | 0.000 | 0.014 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| W1070 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | - " |
| RS-DE- | Up. | No | Occ. | No | No | No | No | No | 0.000 | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | N/A |
| W1071 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | Occ. | No | No | No | No | No | 0.000 | 0.041 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1072 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | Occ. | No | No | No | No | No | 0.000 | 0.041 | 0.000 | 0.000 | 0.018 | 0.000 | N/A |
| W1073 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- W1075 | Up. Sus. | No | No | No | No | No | No | No Occ. | Occ. | No Occ. | No | No | No Occ. | No Occ. | 0.000 | 0.000 | 0.031 | 0.000 | 0.000 | 0.000 | N/A |
| | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | | | Occ. | Occ. | Occ. | | | | | | | | |
| RS-DE- W1076 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.039 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| | | | | | | | | | | | | | | | | | | | | | |
| RS-DE- W1077 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| | | | | | | | | | | | | | | | | | | | | | |
| RS-DE- W1078 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.058 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| | | | | | | | | | | | | | | | | | | | | | |
| RS-DE- W1079 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.033 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| | | | | | | | | | | | | | | | | | | | | | |
| RS-DE- W1080 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.099 | 0.000 | 0.000 | 0.000 | N/A |
| ., 1000 | Dus. | 000. | | | | | | | | | | | | | | | | | | | |

| | | | | | | | Wotles | I Errorati | iona | | | | | | 0 | atur -4! - | 1-2 | 0 | omo ti | 1-2 | <u> </u> |
|---------|-------|------|------|------|------|------|---------|------------|---------|------|------|------|------|------|------------------|------------------|------------------|-------|---------------|-------|----------------------------|
| | HUC 8 | | | | | | Wetland | l Functi | ions | | | | | | Cor | structio | n' - | Op | erationa | [| State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.028 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1081 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 1 1/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1084 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 14/11 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | _ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1085 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | _ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.000 | 0.062 | 0.000 | 0.000 | 0.000 | N/A |
| W1086 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1088 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | IV/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1089 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | I W/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1099 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.006 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| W1100 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Time. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1 1/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1101 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Time. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1 1/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.049 | 0.000 | 0.000 | 0.063 | 0.000 | 0.000 | N/A |
| W1102 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.015 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.027 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | N/A |
| W1103 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Time. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.027 | 0.500 | 0.000 | 0.010 | 0.000 | 0.500 | 17/11 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1107 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | i inic. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 14/11 |
| | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | On | erationa | l^{1-2} | G |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|-----------|-------------------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | State Wet. Class ⁴ |
| RS-DE- W1108 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.007 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W1109 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.046 | 0.000 | 0.000 | 0.024 | 0.000 | 0.000 | N/A |
| RS-DE- W1110 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1111 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| RS-DE- W1113 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1115 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.023 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-DE- W1116 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1117 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1222 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1223 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1224 | Up. Sus. | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1225 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.029 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l^{1-2} | G4 4 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|-----------|-------------------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | State Wet. Class ⁴ |
| RS-DE- W1226 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1226 | Up. Sus. | Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1228 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.015 | 0.000 | 0.000 | - | 0.000 | N/A |
| RS-DE- W1229 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.019 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1234 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1235 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.211 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1236 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.027 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| RS-DE- W1237 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1239 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-DE- W1242 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.020 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |
| RS-DE- W1245 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | N/A |
| RS-DE- W1246 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | _ | X7 - 41 | ır. " | • | | | | | | | | 1-2 | | 4: | 1-2 | 3 |
|-----------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | HUC 8 | | | | | ' | Wetland | d Functi | ions | | | | | | Con | structio | n' ž | Ope | erationa | | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1248 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1250 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.021 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-DE- W1251 | Up. Sus. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1255 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.115 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W1257 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.028 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-DE- W1258 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.054 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| RS-DE- W1260 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | N/A |
| RS-DE- W1261 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1263 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1264 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.027 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- W1266 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.022 | 0.000 | 0.000 | N/A |
| RS-DE- W1268 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Ор | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|-------------------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | State Wet. Class ⁴ |
| RS-DE- W1269 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1270 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| RS-DE- W1272 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| RS-DE- W1273 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.040 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | N/A |
| RS-DE- W1274 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| RS-DE- W1275 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | N/A |
| RS-DE- W1277 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1278 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.028 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W1284 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1286 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.104 | 0.000 | 0.000 | 0.031 | 0.000 | 0.000 | N/A |
| RS-DE- W1288 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.033 | 0.000 | 0.000 | 0.023 | 0.000 | 0.000 | N/A |
| RS-DE- W1289 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | On | erationa | l^{1-2} | a. |
|-----------------|-------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|---------|------------------|------------------|-------|----------|-----------|--------------------|
| Wet. ID | HUC 8 | | T | | | 1 | VVCtiani | I unce | | | | | | | Con | | <u> </u> | Ор | | • | State Wet. |
| wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO^3 | PSS ³ | PEM ³ | PFO | PSS | PEM | Class ⁴ |
| RS-DE- | Up. | No | No | No | Occ. | No | No | No | Princ. | No | No | No | No | No | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1291 | Sus. | Occ. | Time. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 14/74 |
| RS-DE- | Up. | No | No | No | Occ. | No | No | No | Princ. | No | No | No | No | No | 0.000 | 0.018 | 0.000 | 0.000 | 0.004 | 0.000 | N/A |
| W1292 | Sus. | Occ. | Occ. | Occ. | 000. | Occ. | Occ. | Occ. | Time. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.001 | 0.000 | 14/21 |
| RS-DE- | Up. | No | No | No | Occ. | No | No | No | Princ. | No | No | No | No | No | 0.079 | 0.000 | 0.000 | 0.020 | 0.000 | 0.000 | N/A |
| W1294 | Sus. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.075 | 0.000 | 0.000 | 0.020 | 0.000 | 0.000 | 1,711 |
| RS-DE- | Up. | No | No | No | Occ. | Occ. | No | No | Princ. | No | No | No | No | No | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1294 | Sus. | Occ. | Occ. | Occ. | | | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | Princ. | No | No | No | No | No | 0.011 | 0.000 | 0.000 | _ | 0.000 | 0.000 | N/A |
| W1390 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | Princ. | No | No | No | No | No | 0.024 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| W1392 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | Princ. | No | No | No | No | No | 0.018 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| W1394 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- W1396 | Up. | No | Princ. | No | No | No | No | No Occ. | 0.070 | 0.000 | 0.000 | 0.029 | 0.000 | 0.000 | N/A |
| | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- W1397 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.047 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | D-11 |
| | | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | | | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- W1398 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| | | | | Occ. | | | Occ. | | | | Occ. | Occ. | | | | | | | | | |
| RS-DE- W1400 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | D-11 |
| | | | | Occ. | Occ. | | | | | | | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- W1428 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W 1428 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |

| | | | | | | | Wotlon | d Funct | ione | | | | | | Com | structio | n ¹⁻² | 0 | erationa | 1-2 | |
|-----------------|-------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|-------------|-------|----------------------------|
| | HUC 8 | | | | | | vveuan | u runct | IOHS | | | | | | Con | Structio | 11 | Ор | erauona | 1 | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1429 | Up. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-DE- | Up. | No | | No | No | No | No | No | | | | | | | |
| W1430 | Sus. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.033 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-DE- | Up. | No | Princ. | No | No | No | No | No | 0.021 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| W1432 | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- W1433 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W1434 | Up. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- | Up. | No | No | No. | No. | No | No. | No. | | No | No. | No. | No. | No. | | | | | | | |
| W1435 | Sus. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1437 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| RS-DE- W1438 | Up. | No | Princ. | No | No | No | No | No Occ. | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- | Sus. | Occ. | | Occ. | Occ. | Occ. | Occ. | No | | | | | | | |
| W1439 | Up. Sus. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.008 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | N/A |
| RS-DE- W1440 | Up. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| RS-DE- | Up. | No | | No | No | No | No | No | | | | | | | |
| W1442 | Sus. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.016 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| RS-DE- W1444 | Up. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.045 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | | | | | 4 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | 1 | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1449 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.027 | 0.000 | 0.000 | 0.020 | 0.000 | 0.000 | N/A |
| RS-DE- W1451 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1455 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1457 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1458 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1459 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1460 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | N/A |
| RS-DE- W1462 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.034 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1463 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1466 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1470 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.072 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W1472 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | Wetland | d Functi | ions | | | | | | Cor | structio | n ¹⁻² | On | erationa | 1-2 | 1 |
|---------|-------|------|------|------|------|----------|----------|----------|---------|------|------|------|------|------|-------------------------|------------------|------------------|-------|------------|----------|----------------------------|
| | HUC 8 | | 1 | | | <u> </u> | VVEHAIIC | i Funct | IUIIS | 1 | 1 | l | | | Coi | ISH UCHO | 11 | Ор | ei ationa. | <u> </u> | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.014 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| W1474 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Fillic. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.014 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | IN/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.010 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| W1476 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Fillic. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.010 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | IN/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Duina | No | No | No | No | No | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1477 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | IN/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | 0 | No | No | No | No | No | 0.011 | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | NT/A |
| W1478 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.011 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | N/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1479 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | IN/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Daina | No | No | No | No | No | 0.008 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| W1481 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.008 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | IN/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.022 | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | N/A |
| W1482 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Fillic. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.022 | 0.000 | 0.000 | 0.023 | 0.000 | 0.000 | IN/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | D. | No | No | No | No | No | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | NT/A |
| W1484 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Princ. | No | No | No | No | No | 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1486 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Fillic. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | IN/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | Derima | No | No | No | No | No | 0.016 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| W1487 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.016 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | IN/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | D | No | No | No | No | No | 0.012 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | NT/A |
| W1490 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.013 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| RS-DE- | Up. | No | No | No | No | No | No | No | D. | No | No | No | No | No | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | NT/A |
| W1492 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Princ. | Occ. | Occ. | Occ. | Occ. | Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | 117.41a | J. 17 4.5 | | | | | | | C | 4 | 1-2 | 0 | aa.4. a 1 | 1-2 | 1 |
|---------|-------|------|------|------|------|------|---------|-----------|------|------|------|------|------|------|------------------|------------------|------------------|-------|-----------|-------|----------------------------|
| | HUC 8 | | | | | | Wetland | l Functi | ions | | | | | | Cor | structio | n' - | Op | erationa | [| State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | _ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1494 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 14/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1495 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 14/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.009 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| W1496 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 000. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.007 | 0.000 | 0.000 | 0.002 | 0.000 | 14/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | _ | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1497 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 000. | Occ. | Occ. | Occ. | Occ. | Occ. | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 14/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.031 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| W1500 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | occ. | Occ. | Occ. | Occ. | Occ. | Occ. | 0.031 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | 14/21 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1502 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 1011 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1503 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1507 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 1011 |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.018 | 0.000 | 0.000 | _ | 0.000 | 0.000 | N/A |
| W1509 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | 0.000 | N/A |
| W1512 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| W1516 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| RS-DE- | Up. | No | No | No | No | No | No | No | Occ. | No | No | No | No | No | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | 0.000 | N/A |
| W1518 | Sus. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | Occ. | | Occ. | Occ. | Occ. | Occ. | Occ. | | | | | | | |
| | 1 | 1 | | 1 | 1 | | | 1 | • | | | | | | • | 1 | • | • | | 1 | |

| | | | | | | | | | | | | | | | | | 1.2 | | | 1 2 | 44 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|------------------|----------------------------|
| | | | _ | | | | Wetland | d Funct | ions | | | | | | Cor | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1521 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1522 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.062 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1523 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1523 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.057 | 0.000 | 0.000 | 0.027 | 0.000 | 0.000 | N/A |
| RS-DE- W1524 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1525 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1526 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.067 | 0.000 | 0.000 | 0.070 | 0.000 | 0.000 | N/A |
| RS-DE- W1527 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1528 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-DE- W1529 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1530 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1531 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.049 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | | | | 4 |
|-----------------|---------------|------------|------------|------------|------------|---------------------------------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | Wetland | d Funct | ions | | | | , | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1532 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1533 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | N/A |
| RS-DE- W1534 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1542 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1553 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.044 | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | N/A |
| RS-DE- W1556 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-DE- W1559 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | N/A |
| RS-DE- W1560 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| RS-DE- W1561 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W1562 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.030 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1568 | Up. Sus. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1570 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.534 | 0.000 | 0.000 | 0.312 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | | | -1 2 | 4 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | ***** | | | | | \ | Wetland | l Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1572 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1573 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1575 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.047 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | N/A |
| RS-DE- W1576 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.023 | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | N/A |
| RS-DE- W1577 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.037 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1578 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1579 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | N/A |
| RS-DE- W1585 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1587 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1587 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.160 | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | N/A |
| RS-DE- W1589 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | N/A |
| RS-DE- W1590 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | | | -1 2 | 47 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|------------------|----------------------------|
| | | | , | | | | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1593 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.140 | 0.000 | 0.000 | 0.088 | 0.000 | 0.000 | N/A |
| RS-DE- W1597 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| RS-DE- W1600 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | N/A |
| RS-DE- W1603 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1606 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1607 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W1608 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| RS-DE- W1609 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1610 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| RS-DE- W1613 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-DE- W1616 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.043 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-DE- W1619 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |

| | | | | | | | Watland | d Functi | ione | | | | | | Con | structio | n ¹⁻² | On | erationa | 1-2 | 4 |
|-----------------|-------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|----------|----------------------------|
| | HUC 8 | | | | | <u> </u> | vveuano | ı r uncu | IOHS | I | I | I | I | | Con | Structio | 11 | Op | еганопа | <u> </u> | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1620 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1622 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.030 | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | N/A |
| RS-DE- W1625 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.043 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | N/A |
| RS-DE- W1628 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |
| RS-DE- W1630 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1631 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.028 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-DE- W1634 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.020 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| RS-DE- W1635 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.132 | 0.000 | 0.000 | 0.024 | 0.000 | 0.000 | N/A |
| RS-DE- W1638 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.041 | 0.000 | 0.000 | 0.029 | 0.000 | 0.000 | N/A |
| RS-DE- W1641 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1641 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.007 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W1642 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.021 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | Wotlone | d Functi | ione | | | | | | Com | structio | n ¹⁻² | 0 | erationa | 1-2 | |
|-----------------|-------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | HUC 8 | | 1 | 1 | 1 | <u>'</u> | vveuano | ı Funcu | ions | 1 | 1 | I | T . | 1 | Con | Structio | <u>n</u> | Ор | егаиопа | 1 | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1645 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.137 | 0.000 | 0.000 | 0.091 | 0.000 | 0.000 | N/A |
| RS-DE- W1646 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1648 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1651 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1654 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | N/A |
| RS-DE- W1656 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.042 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1657 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.022 | 0.000 | 0.000 | N/A |
| RS-DE- W1659 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1662 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.020 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-DE- W1664 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1666 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W1667 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | l Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1671 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.033 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| RS-DE- W1672 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1673 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.012 | 0.000 | 0.000 | 0.006 | 0.000 | N/A |
| RS-DE- W1678 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1679 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.114 | 0.000 | 0.000 | 0.034 | 0.000 | 0.000 | N/A |
| RS-DE- W1681 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1684 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1685 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.046 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| RS-DE- W1687 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1690 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.023 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1691 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.078 | 0.000 | 0.000 | 0.006 | 0.000 | N/A |
| RS-DE- W1693 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.108 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | | | | | 51 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | | | | | | 1 | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1694 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.101 | 0.000 | 0.000 | 0.016 | 0.000 | N/A |
| RS-DE- W1697 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.029 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1698 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1700 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1702 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1703 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.189 | 0.000 | 0.000 | 0.006 | 0.000 | N/A |
| RS-DE- W1704 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1705 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1706 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.091 | 0.000 | 0.000 | 0.017 | 0.000 | N/A |
| RS-DE- W1709 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1710 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1711 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | Wotles | J Dyras a 4 | iona | | | | | | Com | atur at! | 1-2 | 0 | omo t: | 1-2 | 5 |
|-----------------|-------------|------------|------------|------------|------------|------------|------------|-------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|---------------|-------|----------------------------|
| | HUC 8 | | | | | 1 | vvetiano | d Funct | ions | | | | | | Con | structio | n - | Op | erationa | 1 | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-DE- W1712 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1712 | Up. Sus. | No Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-DE- W1713 | Up. Sus. | No Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | Prin c. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.023 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-DE- W1714 | Up. Sus. | No Occ. | Occ. | No Occ. | Occ. | Occ. | No Occ. | Prin c. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.017 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-DE- W1716 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.021 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-DE- W1717 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1720 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.030 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | N/A |
| RS-DE- W1721 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.022 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-DE- W1722 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-DE- W1830 | Up. Sus. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-SC- W0011 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.132 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0015 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.078 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |

| | | | | _ | | _ | | | | | | | | | | | 1-2 | | | -1-2 | 5 |
|-----------------|---------------|------------|------------|------------|------|------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|------------------|----------------------------|
| | | | | | | 1 | Wetland | l Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0016 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0017 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.060 | 0.000 | 0.000 | 0.013 | 0.000 | N/A |
| RS-SC- W0018 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-SC- W0020 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.047 | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | N/A |
| RS-SC- W0022 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.064 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0024 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-SC- W0026 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.018 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | N/A |
| RS-SC- W0029 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.181 | 0.000 | 0.000 | 0.047 | 0.000 | 0.000 | N/A |
| RS-SC- W0030 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.008 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0033 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.049 | 0.000 | 0.000 | 0.009 | 0.000 | N/A |
| RS-SC- W0034 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0038 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.400 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | - | TT7 - 41 | 1 E | • | | | | | | ~ | | 1-2 | | 4. | 1-2 | 5 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | TITICO | | | | | | Wetland | d Funct | ions | | | 1 | 1 | | Con | structio | n' ² | Ope | erationa | * - | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0039 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.017 | 0.000 | 0.000 | - | 0.000 | N/A |
| RS-SC- W0040 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0041 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0042 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.019 | 0.000 | 0.000 | - | 0.000 | N/A |
| RS-SC- W0043 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.024 | 0.000 | 0.000 | 0.004 | 0.000 | N/A |
| RS-SC- W0044 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.022 | 0.000 | 0.000 | - | 0.000 | N/A |
| RS-SC- W0046 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.043 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0047 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.165 | 0.000 | 0.000 | 0.022 | 0.000 | N/A |
| RS-SC- W0049 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.025 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0050 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0133 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.024 | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | N/A |
| RS-SC- W0134 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.162 | 0.000 | 0.000 | 0.075 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | _ | | 1.2 | 5 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | HICO | | | | | , | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | 11-2 | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0135 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-SC- W0140 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0142 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.037 | 0.000 | 0.000 | 0.010 | 0.000 | N/A |
| RS-SC- W0144 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.011 | 0.000 | 0.000 | N/A |
| RS-SC- W0145 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.024 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0146 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | N/A |
| RS-SC- W0147 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0149 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.007 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |
| RS-SC- W0150 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.019 | 0.000 | 0.000 | 0.008 | 0.000 | N/A |
| RS-SC- W0151 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.199 | 0.000 | 0.000 | 0.038 | 0.000 | 0.000 | N/A |
| RS-SC- W0152 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0154 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.006 | 0.000 | 0.000 | N/A |

| | | | | | | , | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0155 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.031 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-SC- W0158 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.061 | 0.000 | 0.000 | 0.032 | 0.000 | 0.000 | N/A |
| RS-SC- W0160 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.140 | 0.000 | 0.000 | 0.056 | 0.000 | 0.000 | N/A |
| RS-SC- W0161 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.084 | 0.000 | 0.000 | 0.009 | 0.000 | N/A |
| RS-SC- W0163 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.018 | 0.000 | 0.000 | 0.004 | 0.000 | N/A |
| RS-SC- W0169 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-SC- W0170 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | N/A |
| RS-SC- W0173 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-SC- W0174 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.094 | 0.000 | 0.000 | 0.004 | 0.000 | N/A |
| RS-SC- W0175 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-SC- W0179 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.195 | 0.000 | 0.000 | 0.047 | 0.000 | 0.000 | N/A |
| RS-SC- W0180 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.020 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | | | | | 5 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| | ***** | | | | - | , | Wetland | d Funct | ions | | | | | | Cor | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0184 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-SC- W0185 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.048 | 0.000 | 0.000 | 0.007 | 0.000 | N/A |
| RS-SC- W0186 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0188 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-SC- W0189 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0193 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.014 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| RS-SC- W0194 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0195 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0197 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.095 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0198 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| RS-SC- W0200 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.120 | 0.000 | 0.000 | 0.008 | 0.000 | N/A |
| RS-SC- W0201 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.017 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0204 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0205 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.339 | 0.000 | 0.000 | 0.094 | 0.000 | 0.000 | N/A |
| RS-SC- W0209 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0210 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.188 | 0.000 | 0.000 | 0.037 | 0.000 | 0.000 | N/A |
| RS-SC- W0223 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0235 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-SC- W0239 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0239 | Up. Sus. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0242 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.404 | 0.000 | 0.000 | 0.087 | 0.000 | 0.000 | N/A |
| RS-SC- W0245 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.008 | 0.000 | 0.000 | 0.031 | 0.000 | 0.000 | N/A |
| RS-SC- W0246 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| RS-SC- W0247 | Up. Sus. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0251 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.031 | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | N/A |
| RS-SC- W0264 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.031 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0265 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.034 | 0.000 | 0.000 | N/A |
| RS-SC- W0267 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.068 | 0.000 | 0.000 | 0.043 | 0.000 | 0.000 | N/A |
| RS-SC- W0272 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.103 | 0.000 | 0.000 | 0.027 | 0.000 | 0.000 | N/A |
| RS-SC- W0278 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.053 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-SC- W0280 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0281 | Up. Sus. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.032 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0291 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0387 | Scho. | No Occ. | 0.000 | 0.000 | 0.165 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0389 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.172 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0391 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.066 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | Wetland | d Functi | ions | | | | | | Cor | structio | n ¹⁻² | On | erationa | 11-2 | 1 |
|-----------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------------|------------------|------------------|-------|-----------|-------|----------------------------|
| | HUC 8 | | | | | <u>'</u> | vv etiani | ı Funct | 10118 | 1 | 1 | | | | Con | ISH UCHO | 11 | Ор | ei ationa | 1 | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0393 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.040 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0394 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0395 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.197 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0396 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0396 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.014 | 0.000 | 0.000 | 0.003 | 0.000 | N/A |
| RS-SC- W0402 | Scho. | No Occ. | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0403 | Scho. | No Occ. | 0.000 | 0.000 | 0.023 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0403 | Scho. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0404 | Scho. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0408 | Scho. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0517 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-SC- W0518 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.015 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1-2 | | | -1-2 | 6. |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|------------------|----------------------------|
| | TITIC 0 | | | | | , ' | Wetland | l Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0520 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | N/A |
| RS-SC- W0522 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0530 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.016 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-SC- W0533 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0535 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.033 | 0.000 | 0.000 | 0.003 | 0.000 | N/A |
| RS-SC- W0536 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0537 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.011 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0540 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.024 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0541 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.002 | 0.000 | 0.000 | 0.014 | 0.000 | 0.000 | N/A |
| RS-SC- W0542 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.048 | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | N/A |
| RS-SC- W0543 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0549 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.033 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |

| | | | | | | | Wetland | l Functi | ions | | | | | | Con | struction | n ¹⁻² | On | erational | 1-2 | (|
|-----------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------------------|------------------|------------------|-------|-----------|-------|----------------------------|
| *** | HUC 8 | | | | | | , Cuall | unct | | | | | | | Con | | | Op | | | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0551 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | No Occ. | 0.000 | 0.009 | 0.000 | 0.000 | 0.003 | 0.000 | N/A |
| RS-SC- W0551 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0552 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0553 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.015 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0564 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.064 | 0.000 | 0.000 | 0.019 | 0.000 | N/A |
| RS-SC- W0566 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.009 | 0.000 | 0.000 | N/A |
| RS-SC- W0567 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.072 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0568 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.009 | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | N/A |
| RS-SC- W0570 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.026 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0571 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0574 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.040 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| RS-SC- W0576 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.007 | 0.000 | 0.000 | 0.037 | 0.000 | 0.000 | N/A |

| | | | | | | , | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0577 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.028 | 0.000 | 0.000 | 0.034 | 0.000 | 0.000 | N/A |
| RS-SC- W0578 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0579 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-SC- W0580 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.283 | 0.000 | 0.000 | 0.048 | 0.000 | N/A |
| RS-SC- W0584 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.080 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0585 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.021 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0586 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.038 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| RS-SC- W0589 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0592 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.030 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0594 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.039 | 0.000 | 0.000 | 0.013 | 0.000 | N/A |
| RS-SC- W0595 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.052 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0597 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.035 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1-2 | _ | | .1.2 | 6 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|-----------|------------------|----------------------------|
| | | | | | | | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | Ope | erational | l ¹⁻² | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0599 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0600 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0601 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.037 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0604 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.007 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0612 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.052 | 0.000 | 0.000 | 0.004 | 0.000 | N/A |
| RS-SC- W0615 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-SC- W0632 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | - | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0636 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0637 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0650 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.007 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0655 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0656 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | d Funct | ions | | | | | | Con | structio | n ¹⁻² | Ор | erationa | l ¹⁻² | State |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0657 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.004 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0708 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.041 | 0.000 | 0.000 | 0.071 | 0.000 | 0.000 | N/A |
| RS-SC- W0713 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0714 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.039 | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | N/A |
| RS-SC- W0718 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.033 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| RS-SC- W0720 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.014 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0722 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.062 | 0.000 | 0.000 | 0.046 | 0.000 | 0.000 | N/A |
| RS-SC- W0724 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.041 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0728 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.002 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0729 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0731 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.025 | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | N/A |
| RS-SC- W0733 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |

| | | | | | | 1 | Wetland | l Functi | ions | | | | | | Con | structio | n ¹⁻² | Op | erationa | l ¹⁻² | G4 1 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|-------------------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | State Wet. Class ⁴ |
| RS-SC- W0734 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.048 | 0.000 | 0.000 | 0.026 | 0.000 | 0.000 | N/A |
| RS-SC- W0736 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.042 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-SC- W0738 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | N/A |
| RS-SC- W0741 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.042 | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | N/A |
| RS-SC- W0744 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.034 | 0.000 | 0.000 | 0.019 | 0.000 | 0.000 | N/A |
| RS-SC- W0746 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.013 | 0.000 | 0.000 | 0.016 | 0.000 | 0.000 | N/A |
| RS-SC- W0749 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.010 | 0.000 | 0.000 | 0.008 | 0.000 | 0.000 | N/A |
| RS-SC- W0753 | Scho. | No Occ. | Princ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.073 | 0.000 | 0.000 | 0.035 | 0.000 | 0.000 | N/A |
| RS-SC- W0759 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0779 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.035 | 0.000 | 0.000 | 0.006 | 0.000 | N/A |
| RS-SC- W0780 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.026 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0782 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | | | | | | | | | | | 1.2 | | , | .1.2 | 6 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|----------|-------|----------------------------|
| | HILO | | | | | | Wetland | l Functi | ions | | | | 1 | | Con | structio | n ¹⁻² | Ope | erationa | 1-2 | State |
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0787 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.132 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0789 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.037 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| RS-SC- W0790 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | - | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0791 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0792 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.013 | 0.000 | 0.000 | 0.004 | 0.000 | N/A |
| RS-SC- W0794 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.005 | 0.000 | 0.000 | 0.010 | 0.000 | 0.000 | N/A |
| RS-SC- W0796 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.022 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0797 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.019 | 0.000 | 0.000 | 0.002 | 0.000 | 0.000 | N/A |
| RS-SC- W0798 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.010 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| RS-SC- W0800 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.029 | 0.000 | 0.000 | 0.002 | 0.000 | N/A |
| RS-SC- W0801 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.003 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0802 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.041 | 0.000 | 0.000 | 0.010 | 0.000 | N/A |

| | | | | | | | Watland | d Functi | ione | | | | | | Con | structio | n ¹⁻² | On | erationa | 1-2 | 6 |
|-----------------|-------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|------------------|-------|--------------|-------|----------------------------|
| | HUC 8 | | I | | | <u>'</u> | vv enanc | u Funcu | IOHS | 1 | 1 | | | 1 | Con | Structio | 11 | Ор | erationa | L | State |
| Wet. ID | Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0806 | Scho. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.012 | 0.000 | 0.000 | - | 0.000 | 0.000 | N/A |
| RS-SC- W0809 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.013 | 0.000 | 0.000 | 0.001 | 0.000 | N/A |
| RS-SC- W0810 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.024 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0811 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.066 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0812 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0813 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.036 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0816 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.000 | 0.005 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0834 | Scho. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | 0.000 | 0.000 | 0.343 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0836 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.212 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0837 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.199 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0839 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.004 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0841 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.038 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | | Wetland | d Functi | ions | | | | | | Con | structio | n ¹⁻² | On | erationa | l ¹⁻² | 6 |
|-----------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------------|-------------------------|-------|----------|------------------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0842 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.034 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0846 | Scho. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | 0.000 | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0848 | Scho. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | 0.001 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0849 | Scho. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | 0.000 | 0.018 | 0.000 | 0.000 | 0.005 | 0.000 | N/A |
| RS-SC- W0850 | Scho. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | 0.000 | 0.000 | 0.564 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0852 | Scho. | No Occ. | No Occ. | No Occ. | Princ. | Princ. | No Occ. | 0.000 | 0.000 | 0.013 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0853 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0854 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.012 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0855 | Scho. | No Occ. | 0.000 | 0.000 | 0.003 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0855 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.025 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0856 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | 0.000 | 0.000 | 0.048 | 0.000 | 0.000 | 0.000 | N/A |
| RS-SC- W0857 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.020 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |

| | | | | | | Ţ | Wetland | l Functi | ions | | | | | | Construction ¹⁻² | | | Ope | State | | |
|-----------------|---------------|------------|------------|------------|------|------|------------|------------|------|------------|------------|------------|------------|------------|-----------------------------|------------------|------------------|-------|-------|-------|----------------------------|
| Wet. ID | HUC 8 Name | GRD | FFA | FSH | STR | NRRT | PE | SSS | WH | REC | ESV | UH | VQA | ESH | PFO ³ | PSS ³ | PEM ³ | PFO | PSS | PEM | Wet. Class ⁴ |
| RS-SC- W0863 | Scho. | No Occ. | No Occ. | No Occ. | Occ. | Occ. | No Occ. | No Occ. | Occ. | No Occ. | No Occ. | No Occ. | No Occ. | No Occ. | 0.000 | 0.017 | 0.000 | 0.000 | 0.000 | 0.000 | N/A |
| | TOTAL | | | | | | | | | | OTAL | 12.394 | 4.861 | 9.236 | 4.595 | 0.500 | 0.000 | | | | |

1 0.000 = wetland type is not crossed by the pipeline but is in workspace, a dash (-) is equivalent to a small amount of impacted area that is less than 0.000 acres.

Wetland classification according to Cowardin et al. 1979.

New York Department of Environmental Conservation Wetland ID and Class; N/A=Not Applicable is not a NYDEC - regulated wetland.

Construction Acreage = all workspace during construction activities (temporary & ATWS plus permanent); Operation Acreage = 10-foot wide corridor permanently maintained in herbaceous vegetated cover through PSS wetlands, and 30-foot wide corridor permanently maintained through PFO wetlands where trees taller than 15 feet will be selectively cut and removed. For a HDD crossing methods, a 10-foot wide corridor will be permanently maintained in herbaceous vegetated cover through PFO and PSS wetlands. The permanently maintained corridors represent a change in cover type from PFO to PSS and PEM or PSS to PEM; there is no operation impact on PEM wetlands, since there is no change in the pre- and post-construction vegetation cover type. Construction impacts were calculated using a proposed construction footprint surface area and existing landuse based on field surveys or desktop analysis, including NWI data, in those areas where permission has not been granted to conduct field surveys. Surface area of operational maintenance corridor as described above were used to calculate acres of operation impact to each pre-construction wetland vegetation cover type for each wetland included in the table. The ROW width at all wetland crossings is 75 feet, except for those wetlands described in Table 2.3-8.

APPENDIX C

Concept Plans for Permittee-Responsible Mitigation

MITIGATION SITE PLAN

BR-24: DAVEY- MENDENHALL ROAD

MITIGATION SITE PLAN BR-24: DAVEY- MENDENHALL ROAD

SITE ID: BR-24

SITE NAME: Davey-Mendenhall Road Property

LOCATION: Colesville, Broome County, New York

WATERSHED: Upper Susquehanna – 02050101

SITE TYPE: Wetland Preservation

LANDOWNER: Empire State Development, LLC/Hartz Energy Holdings, LLC

SITE DESCRIPTION

The site is a 144.9-acre property that is currently for sale. The western boundary of the parcel abuts the 1,028-acre Beaver Flow State Forest. The property is predominately forested with a mixture of evergreen and deciduous species. Upland areas are dominated by red maple (Acer rubrum), American beech (Fagus grandifolia), sugar maple (Acer saccharum), black cherry (Prunus serotina), white ash (Fraxinus americana), white pine (Pinus strobus), and eastern hemlock (*Tsuga canadensis*). The property encompasses several wetland areas, including an extensive wetland complex that is associated with a beaver flowage. The beaver dam creates a large impoundment that extends north beyond the property boundary. The wetlands on the property are palustrine emergent (PEM), palustrine scrub-shrub (PSS), palustrine forested (PFO), and palustrine unconsolidated bottom (PUB). Wetland areas of the parcel are dominated by hemlock and red maple in the overstory. Witch hazel (Hamamelis virginiana), winterberry (*Ilex verticillata*), and spicebush (*Lindera benzoin*) occur often within the shrub layer. Herbaceous wetland vegetation includes a variety of sedges (Carex spp.) and bulrushes (Scirpus spp.) as well as cinnamon fern (Osmunda cinnamomea) and sphagnum moss (Sphagnum spp.). The parcel is located at the headwaters of a small, unnamed stream that flows to the southeast to the confluence with Wylie Brook approximately 2.8 miles southeast of the property. There are at least two unimproved dirt roads on the property; the primary road spans the parcel from east to west.

The upland soils at the site are a mixture of well drained Arnot channery silt loam, moderately well drained Mardin channery silt loam, and well drained Lordstown channery silt loam. The wetland soils on the property are a mixture of somewhat poorly drained Volusia channery silt loam, very poorly drained Alden and Chippewa soils, and poorly drained Tuller channery silt loam.

PROJECT DESCRIPTION

A wetland delineation and functional assessment was completed on the site on October 22, 2013. Preserving this site will protect a total of 62.0 acres from development. This includes 3.1 acres of PEM, 0.15 acres of PSS, and 17.6 acres of PFO totaling 20.85 acres of delineated wetland habitat



dominated by terrestrial wetland vegetation; and approximately 4.5 acres of PUB associated with a beaver impoundment, bringing the total area of aquatic and wetland habitat to 25.35 acres. In addition, this site includes 150-foot buffer for all wetlands on the site where possible (i.e., creating a 150-foot buffer is not possible in some places because it would extend into the adjacent property), for a total of 36.7 acres of forested buffer to be preserved. Preserving this area would provide upland riparian buffer for approximately 1,050 linear feet of stream draining the beaver flowage.

Forested wetlands on the site include an area dominated by hemlock with occasional stands of red maple in the north-central part of the property; this area connects via an intermittent stream to the extensive wetland system in the western part of the property. Photo 1 is a representative view of the hemlock-dominated wetland. Ground-layer vegetation is limited beneath areas of dense canopy but includes cinnamon fern and goldthread (*Coptis trifolia*). In portions dominated by red maple, herbaceous ground-layer vegetation is more diverse and also includes sensitive fern (*Onoclea sensibilis*) and spinulose woodfern (*Dryopteris carthusiana*). Shrubs include highbush blueberry (*Vaccinium corymbosum*) and red maple saplings. Soils within this wetland are silty clay over shallow bedrock with pit. The wetland exhibits a diverse pit and mound topography.

Forested wetlands associated with the large wetland complex or beaver flowage in the central portion of the site (Photo 2) include PFO, PEM, and PUB habitats. This wetland system bisects the property from north to south. This large wetland is the headwater of the small unnamed stream that flows from the property to the south. Vegetation within forested portions is similar to the community within PFO in the north-central part of the site. Emergent fringe wetlands are dominated by soft rush (*Juncus effusus*), arrowhead (*Sagittaria spp.*), and several sedge species, including bladder sedge (*Carex intumescens*). Open water areas (PUB) are the result of beaver activity and are dominated by mucky bottoms and occasional floating leaved and submerged aquatic vegetation.

The wetland complex is dominated by a diverse, native plant community and invasive species are rare on the site. Signage will be placed at the unimproved entrance to the site notifying people that the site is set aside for conservation and that no motorized access, dumping, or activities that might disturb the soils or vegetation on the site are permitted.

BENEFITS

Although this property is undeveloped, it is currently for sale on the real estate market and has road frontage along Davey Road (also known as Coots Road) as well as suitable uplands for development or clearing for agriculture; therefore, it cannot be guaranteed to remain undeveloped. The mineral rights to the property are not included in the sale of the property. Termination of surface rights to the wetland areas and associated buffer are a part of the negotiated transaction. Purchasing the property and negotiating the termination of surface rights is the only way to protect it permanently, especially because a developer might build within the 150-foot buffer, thereby compromising the overall ecological integrity and functions associated with this intact headwater system. The property abuts directly with the Beaver Flow State Forest; therefore, preserving it will not only increase the contiguous area of wildlife habitat that the State Forest provides, but also will ensure that the State Forest does not become isolated and continues to provide a regional corridor for the movement of wildlife.



Protecting the wetlands and surrounding upland buffers on this site will preserve several wetland functions. The large contiguous wetlands and undisturbed uplands make the area ideal wildlife habitat. Species that require wetland and upland habitats, such as the spotted salamander (Ambystoma maculatum) and wood frog (Lithobates sylvaticus) will have access to habitats suitable for breeding, foraging, and overwintering. Forested areas dominated by eastern hemlock provide excellent habitat for several species of forest-interior-dwelling birds, including the hermit thrush (Catharus guttatus), and black-throated green warbler (Setophaga virens). The open water beaver pond provides a water source for deer (Odocoileus virginianus), turkey (Meleagris gallopavo), and bear (Ursus americanus). Migratory and aquatic birds can use this area for nesting, resting, and feeding. This wetland occurs within the upper portion of the watershed and contains a restricted outlet. In addition to providing a floodwater storage function and diverse shoreline structure, the wetland complex provides some flood flow attenuation by storing and slowing higher flows. The longer retention times resulting from the complex topography and diverse wetland vegetation in combination with fine soils (i.e., silt and clay) provide excellent water quality improvement functions for nutrient removal and sediment retention.

Figure 1 summarizes the functions and services provided by the proposed mitigation.

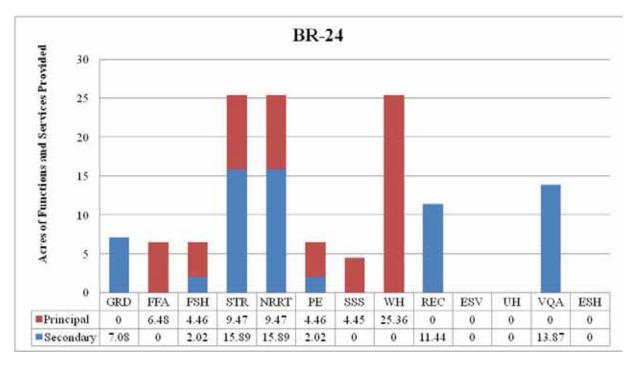


FIGURE 1. FUNCTIONS AND SERVICES PROVIDED BY THE PROPOSED MITIGATION.

Groundwater Recharge/Discharge (GRD), Floodflow Alteration (FFA), Fish and Shellfish Habitat (FSH), Sediment/Toxicant Retention (STR), Nutrient Removal and Retention (NRRT), Production Export (PE), Sediment/Shoreline Stabilization (SSS), Wildlife Habitat (WH), Recreation (REC), Educational/Scientific Value (ESV), Uniqueness/Heritage (UH), Visual Quality and Aesthetics (VQA), Endangered Species Habitat (ESH).

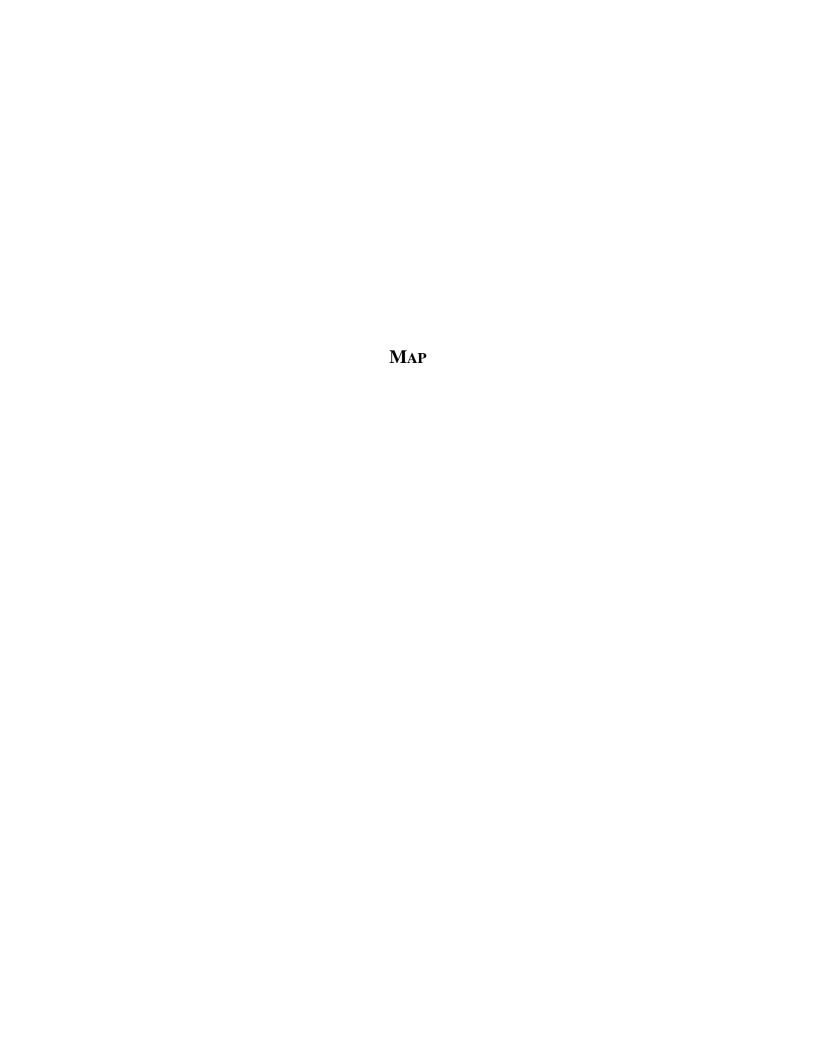
FEASIBILITY

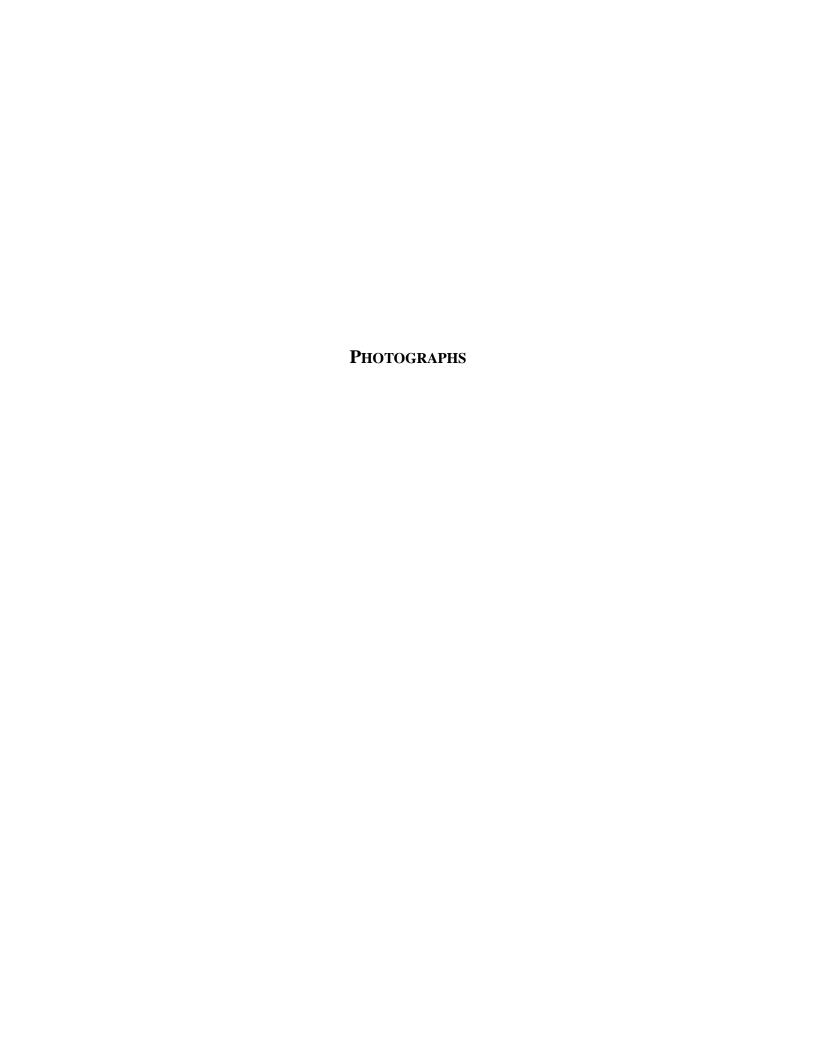
The wetlands on this site are currently stable and surrounded by upland forest. The good condition, large area, and diverse habitats of the property make it an ideal opportunity for preservation. Since the wetland is currently not in agricultural production, preserving it will not remove any agricultural land from production.

The feasibility of acquiring this site is very good because it is currently listed for sale, and an easement is being negotiated for this property. The property abuts a New York State Forest, which increases the connectivity value of the site and the likelihood that state agencies will view this plan favorably. This plan preserves a functionally important, large, contiguous block of forest by connecting private land that is currently for sale to the State Forest.

The mineral rights to the property are not included in the real estate listing. The proposed transaction will include terminating surface rights (i.e., the soils and vegetation cannot be disturbed) in the areas of the wetlands and associated buffer in order to ensure long-term preservation of this wetland system.





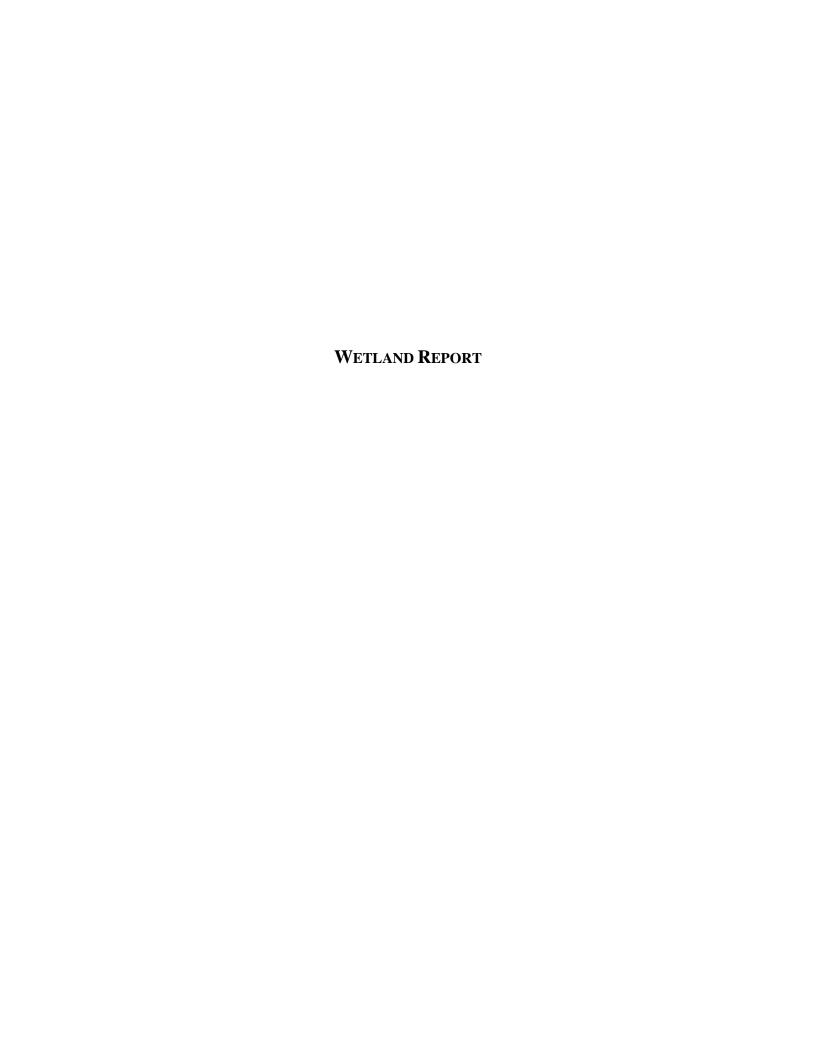




PHOTOGRAPH 1. HEMLOCK SWAMP IN NORTH-CENTRAL PORTION OF PROPERTY.



PHOTOGRAPH 2. BEAVER POND LOCATED IN NORTHWESTERN PORTION OF PROPERTY.



WETLAND DELINEATION REPORT

SITE ID: BR-24

SITE NAME: 427 Davey-Mendenhall Road

LOCATION: Colesville, Broome County, New York

WATERSHED: Upper Susquehanna – 02050101

SITE Type: Wetland Preservation

LANDOWNER: Empire/Hartz, Inc.

SITE DESCRIPTION

The proposed mitigation site is a 144-acre property adjacent to the 1,028-acre New York Beaver Flow State Forest. The property is dominated by mature forest composed of evergreen and deciduous species. Upland areas are dominated by red maple, white pine, and eastern hemlock. There are several wetlands on the property, including an extensive wetland complex resulting from beaver activity. The beaver dam creates a large impoundment that extends north beyond the property boundary. The wetlands on the property include palustrine emergent (PEM), palustrine scrub/shrub (PSS), palustrine forested (PFO), and palustrine unconsolidated bottom (PUB). The parcel is located at the headwaters of a small unnamed stream which conveys flows to the southeast to the streams confluence Wylie Brook.

METHODS

Wetland delineations were completed on October 22, 2013. Wetlands were delineated using the methodology and standard practices outlined in the United States Army Corps of Engineers (USACE) Wetland Delineation Manual (USACE, 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region, Version 2.0 (USACE, 2012). The Corps Manual provides technical guidance and procedures for identifying and delineating wetlands that may be subject to jurisdiction under Section 404 of the Clean Water Act (33 U.S.C. 1344) or Section 10 of the Rivers and Harbors Act (33 U.S.C. 403). According to the Corps Manual, identification of wetlands is based on a three factor approach involving indicators of hydrophytic vegetation, wetland hydrology, and hydric soils. USACE data forms are included as Attachment A. Wetland functions and values were assessed for each wetland based on the USACE Highway Methodology Workbook Supplement "Wetland Functions and Values a Descriptive Approach" (USACE, 2001); data forms are included as Attachment B. All wetland features were delineated with sub-meter accuracy using a Trimble GEO Explorer6000 GPS. GPS positions were differentially corrected using Trimble Pathfinder software (Ver. 5.40).



RESULTS

SAMPLE PLOT LOCATION

The primary wetland type identified within the survey segment was PFO, with inclusions of PSS and PEM. A paired plot was completed for the hemlock forested wetland, the red maple forested wetland, and the emergent wetland adjacent to the beaver pond. Table 1 contains the longitude and latitude for each paired plot. Forested and emergent communities were similar throughout the entire survey area.

TABLE 1. USACE SAMPLE PLOT LOCATIONS.

| WETLAND ID | USACE PLOT | LONGITUDE | LATITUDE |
|------------|------------|-------------------|-------------------|
| BR-24 | Upland A | 42° 14′ 54.368″ N | 75° 38' 36.091" W |
| BR-24 | Wetland A | 42° 14′ 53.162″ N | 75° 38' 37.110" W |
| BR-24 | Upland A | 42° 14' 52.451" N | 75° 38' 42.172" W |
| BR-24 | Wetland A | 42° 14' 51.527" N | 75° 38' 43.883" W |
| BR-24 | Upland B | 42° 14' 47.442" N | 75° 38' 56.138" W |
| BR-24 | Wetland B | 42° 14′ 46.577″ N | 75° 38' 51.133" W |

HYDROLOGY

The large wetland complex associated with the beaver flowage in the central portion of the site acts as the headwater to the small unnamed stream which flows from the property to the south. Indicators of wetland hydrology within the hemlock forested wetland included: high water table, saturation, sparsely vegetated concave surface, water-stained leaves, think muck surface, drainage patterns, moss trim lines, shallow aquitard and microtopographic relief (Photo 1). Within the red maple swamp indicators of wetland hydrology included: water-stained leaves, drainage patterns, moss trim lines, and microtopographic relief. The PEM near beaver flowage included the following indicators of wetland hydrology: surface water, high water table, saturation, and microtopographic relief.



PHOTOGRAPH 1. HEMLOCK SWAMP IN NORTHEASTERN PORTION OF PROPERTY.

VEGETATION

Forested wetlands on the site include a hemlock dominated wetland with occasional red maple wetland in the northeast part of the property that connects via intermittent surface flows to the extensive wetland system in the center of the property. Ground layer and shrub vegetation is limited within areas of the dense canopy. In the hemlock dominated wetland, herbaceous vegetation includes cinnamon fern and goldthread and there is little to no shrub layer. In portions dominated by red maple, herbaceous ground layer vegetation is more diverse, and also includes sensitive fern and spinulose wood fern. Shrubs include highbush blueberry and red maple saplings. Soils within this wetland are silty clay over shallow bedrock with pit. The wetland exhibits a diverse pit and mound topography. The large beaver impoundment (Photo 2) is dominated by open water habitat as well as emergent wetland along the shoreline. These areas are dominated by burred, dewberry, sensitive fern, and spinulose wood fern.

TABLE 2. DOMINANT WETLAND VEGETATION.

| COMMON NAME | SCIENTIFIC NAME |
|---------------------|------------------------|
| Red maple | Acer rubrum |
| Gold thread | Coptis trifolia |
| Spinulose Wood fern | Dryopteris carthusiana |
| Sensitive fern | Oneclea sensibilis |
| Cinnamon fern | Osmunda cinnamomea |
| White pine | Pinus strobus |
| Dewberry | Rubus sp. |
| Burreed | Sparghanium sp. |
| Eastern hemlock | Tsuga canadensis |
| High-bush blueberry | Vaccinium corymbosum |
| Viburnum | Viburnum sp. |



PHOTOGRAPH 2. BEAVER POND LOCATED IN NORTHERN PORTION OF PROPERTY.

SOILS

The upland soils at the site are a mixture of well drained Arnot channery silt loam, moderately well drained Mardin channery silt loam, and well drained Lordstown channery silt loam. The wetland soils on the property are a mixture of somewhat poorly drained Volusia channery silt loam, very poorly drained Alden and Chippewa soils, and poorly drained Tuller channery silt loam. All the wetland soils were mapped as partially hydric.

FUNCTIONS AND SERVICES

The large contiguous wetlands and presence of undisturbed uplands make the area ideal wildlife habitat. Species that require wetland and upland habitats (e.g., mole salamanders and wood frogs) will have access to both foraging and overwintering habitat. Forested areas dominated by eastern hemlock provide excellent habitat for several species including the Hermit Thrush, Black-throated Green warblers, and Vireos. The open water beaver pond provides a water source for deer, turkey, and bear. Migratory and wading birds can use this area for nesting, resting, and feeding. This wetland occurs within the upper portion of the watershed and contains a restricted outlet. In addition to providing a floodwater storage function and diverse shoreline structure, the wetland complex provides some flood flow attenuation by storing and slowing higher flows. The presence of longer retention times resulting from low flows and diverse wetland vegetation in combination with fine soils (i.e., silt and clay) provide excellent water quality improvement functions for nutrient removal and sediment retention.

DISCUSSION

The wetlands on this site are currently stable and surrounded by undisturbed upland forest. The quality, large area, and diverse habitats of the wetlands located on this property make it an ideal opportunity for preservation. The property abuts a New York State forest which increases the connectivity value of the site and the likelihood of having the State view this favorably. This site preserves a functionally important, large, un-fragmented forested block by of both upland and palustrine habitats.

REFERENCES

- U.S. Army Corps of Engineers (USACE). January 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Ver. 2.0).U.S. Army Corps of Engineers. Vicksburg, MS. No. ERDC/EL TR-12-1. 176 Pp.
- U.S. Army Corps of Engineers (USACE). 1987. Corps of Engineers Wetland Delineation Manual. U.S. Army Corps of Engineers. 143 pp.
- USACE. 2001. The Highway Methodology Workbook. U.S. Army Corps of Engineers New England District. 29 pp. NAEEP-360-1-30a.

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ATTACHMENT A USACE DATA FORMS

| | | | 3 |
|--|--|--|-----------------|
| .22 | | | 10/22/1 |
| WETLAND DETERMINATION DA | TA FORM – Northcentral | and Northeast Region | B124 |
| Project/Site: 87 29 | City/County: | Sampling Date: | AWet |
| | | State: Sampling Po | |
| 2700 /500 | Section, Township, Range: | .) | |
| andform (hillslope, terrace, etc.): hummut-/hullou | | | one (%). O |
| Subregion (LRR or MLRA): Lat: | | | -0.00% |
| Soil Map Unit Name: | | | 4 A (m |
| Are climatic / hydrologic conditions on the site typical for this time | | | |
| Are Vegetation, Soil, or Hydrology signification | | | V |
| | | al Circumstances" present? Yes | NO |
| Are Vegetation, Soil, or Hydrology naturall | y problematic? (If needed, | explain any answers in Remarks.) | man 19 |
| SUMMARY OF FINDINGS – Attach site map show | ing sampling point locati | ons, transects, important f | eatures etc |
| | | one, transcotte, important i | outures, etc. |
| Hydrophytic Vegetation Present? Yes No | Is the Sampled Area within a Wetland? | Voc. No. | |
| Hydric Soil Present? Yes X No | | Yes No | |
| Wetland Hydrology Present? Yes <u>✓</u> No Remarks: (Explain alternative procedures here or in a separate | If yes, optional Wetlan | d Site ID: | |
| Tremains. (Explain alternative procedures here of it a separate | report.) | | * 4 |
| | | | |
| | | | - |
| | | | 54 |
| | | | 11 |
| NADOL COV | | | 35/ |
| IYDROLOGY | * | | |
| Wetland Hydrology Indicators: | . . | Secondary Indicators (minimum o | f two required) |
| Primary Indicators (minimum of one is required; check all that ap | | Surface Soil Cracks (B6) | |
| Surface Water (A1) | ned Leaves (B9) | Drainage Patterns (B10)Moss Trim Lines (B16) | |
| ≤ Saturation (A3) | | Dry-Season Water Table (C2) | , 1 |
| | Sulfide Odor (C1) | Crayfish Burrows (C8) | ' |
| | hizospheres on Living Roots (C3) | | nagery (C9) |
| | of Reduced Iron (C4) | Stunted or Stressed Plants (D | 01) |
| | n Reduction in Tilled Soils (C6) | Geomorphic Position (D2) | g - X |
| Iron Deposits (B5) ✓ Thin Muck ✓ Inundation Visible on Aerial Imagery (B7) Other (Exp | | Shallow Aquitard (D3) | |
| Sparsely Vegetated Concave Surface (B8) | lain in Remarks) | Microtopographic Relief (D4)FAC-Neutral Test (D5) | |
| Field Observations: | | FAC-Neutral Test (D5) | , |
| Surface Water Present? Yes No O Depth (inc | ches): | | |
| Water Table Present? Yes No Depth (inc | The state of the s | * | |
| Saturation Present? Yes X No Depth (inc | ches): to Wetland | Hydrology Present? Yes 📉 | No |
| (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial p | Surface | oilable | |
| Describe Necorded Data (Stream gauge, morntoning well, aerial p | inotos, previous inspections), ii av | allable. | |
| | | | |
| Remarks: | | | |
| × | | | |
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| * . | T. | | |
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| | | | × |
| | | | |

VEGETATION – Use scientific names of plants.

impling Point: AWC+

| Tree Stratum (Plot size:) 1. hom/ock | 98 | Dominant Indicator Species? Status | Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC:(A) |
|--|----|------------------------------------|---|
| 2. red mop a | | | Total Number of Dominant Species Across All Strata: (B) |
| 5 | | | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| 7 | | | Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species x 1 = |
| Sapling/Shrub Stratum (Plot size:) 1 | | | FACW species x 2 = FAC species x 3 = |
| 2 | | | FACU species x 4 = UPL species x 5 = Column Totals: (A) (B) |
| 5 | | | Prevalence Index = B/A = |
| 6 | | | Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation |
| Herb Stratum (Plot size:) | | = Total Cover | 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ |
| 1. Chammen forn 2. gold thread | 85 | | 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) |
| 3 | | | Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 5 | | | Definitions of Vegetation Strata: |
| 7 | | | Tree – Woody plants 3 in. (7.6 cm) (1 more in diameter at breast height (DBH), regardless of height. |
| 9 | | | Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. |
| 10 | | | Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. |
| 12 | : | = Total Cover | Woody vines – All woody vines greater than 3.28 ft in height. |
| Woody Vine Stratum (Plot size:) | | - Total Cover | |
| 2 | | | Hydrophytic Vegetation Present? Yes No |
| 4 | | = Total Cover | |
| Remarks: (Include photo numbers here or on a separate si | | - Total Cover | |
| Sphagnum covers | 60 | est foor | |
| · · | | | |

SOIL

Sampling Point: AWe+

| Profile Description: (Describe to the de | oth needed to docum | ent the inc | dicator o | or confirm | the absence | of indicate | ors.) | 4 |
|---|---|----------------------|-------------------|---------------------|-----------------|--------------|--|---|
| Depth Matrix | | <u>Features</u> | 1 | . 2 | _ | | | , |
| (inches) Color (moist) % | Color (moist) | % | Type ¹ | _Loc ² _ | Texture Sity | 0.0 41 | Remarks | |
| 0-19 10y/2/1 | | | | | CLAM | gre asy | fer 1 | |
| 18+ roda | *************************************** | | | | | | | |
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| ¹ Type: C=Concentration, D=Depletion, RM | =Reduced Matrix, MS | =Masked S | Sand Gra | ins. | | | Lining, M=Ma | |
| Hydric Soil Indicators: | | | | _ | | | natic Hydric | |
| Histosol (A1) Histic Epipedon (A2) | Polyvalue Below MLRA 149B) | Surface (S | 88) (LRR | R, | | | LRR K, L, ML | |
| Black Histic (A3) | Thin Dark Surface | ce (S9) (I.R | RR MI | RA 149R) | | | ox (A16) (LRF or Peat (S3) (I | |
| Hydrogen Sulfide (A4) | Loamy Mucky M | | | | | | (LRR K, L, M | |
| Stratified Layers (A5) | Loamy Gleyed M | | ` . | , | | | Surface (S8) (L | |
| Depleted Below Dark Surface (A11) | Depleted Matrix | | | | | | (S9) (LRR K, | |
| Thick Dark Surface (A12) | Redox Dark Surl | | | | | | lasses (F12) (| |
| Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4) | Depleted Dark SRedox Depression | |) | | | | | (MLRA 149B) |
| Sandy Redox (S5) | Nedox Depressi | ons (1 o) | | | | irent Materi | | A, 145, 149B) |
| Stripped Matrix (S6) | | | | | | | Surface (TF1 | 2) |
| Dark Surface (S7) (LRR R, MLRA 149 | B) | | | | | Explain in F | | , |
| ³ Indicators of hydrophytic vegetation and w | atland hydrology must | he procont | t unlace | dieturhod | or problematic | | | |
| Restrictive Layer (if observed): | etiana nyarology mast | be present | i, unicoo | distarbed | or problematic | | | |
| Type: | | | | | | | | |
| Depth (inches): | | | | | Hydric Soil | Present? | Yes | No |
| Remarks: | | · | | | 1 - | | | B |
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WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region City/County: Broome Sampling Date: 10/22

State: Ny Sampling Point: A Up Project/Site: B/2 2 4 Applicant/Owner: NOYNEW Investigator(s): QJM / SAD ____ Section, Township, Range:____ Landform (hillslope, terrace, etc.): Hvmmvck/Hollow Local relief (concave, convex, none): _______ Slope (%):____ Subregion (LRR or MLRA): ______ Lat: _____ Long: _____ Soil Map Unit Name: _____ NWI classification:____ Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ____ (If no, explain in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? $\sqrt[4]{0}$ Are "Normal Circumstances" present? Yes \times No Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? \lozenge (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present? Is the Sampled Area within a Wetland? Yes _____ No × Hydric Soil Present? Wetland Hydrology Present? Yes _____ No × If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) **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) ___ Water-Stained Leaves (B9) ___ Drainage Patterns (B10) High Water Table (A2) ___ Aquatic Fauna (B13) ___ Moss Trim Lines (B16) ___ Saturation (A3) ___ Marl Deposits (B15) ___ Dry-Season Water Table (C2) ___ Water Marks (B1) Hydrogen Sulfide Odor (C1) __ Crayfish Burrows (C8) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Saturation Visible on Aerial Imagery (C9) ___ Presence of Reduced Iron (C4) Drift Deposits (B3) ___ Stunted or Stressed Plants (D1) ___ Algal Mat or Crust (B4) ___ Recent Iron Reduction in Tilled Soils (C6) ___ Geomorphic Position (D2) ___ Thin Muck Surface (C7) ___ Iron Deposits (B5) Shallow Aquitard (D3) Microtopographic Relief (D4) ___ Inundation Visible on Aerial Imagery (B7) ___ Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes _____ No ____ Depth (inches): Water Table Present? Yes _____ No ____ Depth (inches): Saturation Present? Wetland Hydrology Present? Yes ____ No Yes ____ No ___ Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: no inproators

| V | /EG | ETA | TION . | - Use | scientific | names | of | plants. |
|---|-----|-----|--------|-------|------------|-------|----|---------|
|---|-----|-----|--------|-------|------------|-------|----|---------|

BRZY Sampling Point:

| | Abardata Dandarat Indian | |
|--|--|--|
| Tree Stratum (Plot size:) | Absolute Dominant Indicator <u>% Cover Species? Status</u> | Dominance Test worksheet: |
| | | Number of Dominant Species |
| 1. Quaking Aspen | 2 | That Are OBL, FACW, or FAC: (A) |
| 2 red maple 3 american hemlock | | Total Number of Dominant |
| 3 american hemlock | 63 | Species Across All Strata: (B) |
| 4 | | |
| Control of the Contro | | Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B) |
| 5 | | - |
| 6 | | Prevalence Index worksheet: |
| 7 | | |
| | = Total Cover | OBL species x 1 = |
| Sapling/Shrub Stratum (Plot size:) | | FACW species x 2 = |
| Gaping/onrab Stratum (Flot size) | 2 | |
| 1. american Brech | | FAC species x 3 = |
| 2 | | FACU species x 4 = |
| 3 | | UPL species x 5 = |
| 4 | | Column Totals: (A) (B) |
| 5 | | Prevalence Index = B/A = |
| 6 | | Hydrophytic Vegetation Indicators: |
| 1 | | 1 - Rapid Test for Hydrophytic Vegetation |
| 7 | | 2 - Dominance Test is >50% |
| | = Total Cover | 3 - Prevalence Index is ≤3.0¹ |
| Herb Stratum (Plot size:) | . | 4 - Morphological Adaptations ¹ (Provide supporting |
| 1. goldthread | | data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) |
| 2 | | |
| 3 | | |
| 4 | | be present, unless disturbed or problematic. |
| 5 | | Definitions of Vegetation Strata: |
| | | Trans Mandada da Oir (7.0 m) |
| 6 | | Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. |
| 7 | | • |
| 8 | | Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. |
| 9 | | and greater than or equal to 3.20 ft (1 fil) tall. |
| 10 | | Herb – All herbaceous (non-woody) plants, regardless of |
| 1 | | size, and woody plants less than 3.28 ft tall. |
| 11 | | Woody vines – All woody vines greater than 3.28 ft in |
| 12 | | height. |
| | = Total Cover | , |
| Woody Vine Stratum (Plot size:) | | |
| 1. | | 3 |
| 2 Nila | | Hydrophytic |
| | | Vegetation |
| 3 | | Present? Yes No |
| 4 | | |
| | = Total Cover | |
| Remarks: (Include photo numbers here or on a separate | sheet.) | |
| hummock hollow microto | pop raphy | |
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Sampling Point: AUP

| Profile Description: (Describe to the de | pth needed to docun | ent the indicator | or confirm | the absence | of indicato | rs.) | - |
|--|-------------------------------|---------------------|------------|----------------|--------------|--|---------------|
| Depth Matrix | | Features1 | . 2 | | | | |
| (inches) Color (moist) % | Color (moist) | % Type ¹ | | Texture | | Remarks | 6 |
| 0-3 2.545 2.5/1 | | | | | DUFF | /As/ | |
| 3-9.5 1041 4/4 | | | | | 814 | day | |
| 9.5+ rock | | | | | | | |
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| | | | | | | | 5 |
| ¹ Type: C=Concentration, D=Depletion, RI | M=Reduced Matrix, MS | =Masked Sand Gra | ains. 🧖 | | | Lining, M=Matı | |
| Hydric Soil Indicators: | | | | | | matic Hydric S | |
| Histosol (A1) Histic Epipedon (A2) | | Surface (S8) (LRF | RR, | | | LRR K, L, ML | |
| Black Histic (A3) | MLRA 149B) Thin Dark Surfa | ce (S9) (LRR R, ML | RA 149R) | | | ox (A16) (LRR or Peat (S3) (L | |
| Hydrogen Sulfide (A4) | | ineral (F1) (LRR K | | | | (LRR K, L, M) | |
| Stratified Layers (A5) | Loamy Gleyed N | | | | | Surface (S8) (L | |
| Depleted Below Dark Surface (A11) | Depleted Matrix | | | Thin Da | ark Surface | (S9) (LRR K, | L) |
| Thick Dark Surface (A12) | Redox Dark Sur | | | | | lasses (F12) (I | |
| Sandy Mucky Mineral (S1)Sandy Gleyed Matrix (S4) | Depleted Dark S | , , | | | | in Soils (F19) | |
| Sandy Gleyed Matrix (34) Sandy Redox (S5) | Redox Depressi | ons (Fo) | | | arent Materi | 6) (MLRA 144 <i>i</i> 31 (E21) | A, 145, 149B) |
| Stripped Matrix (S6) | | | | | | Surface (TF12 | 2) |
| Dark Surface (S7) (LRR R, MLRA 149 | 9B) | | | / | Explain in F | | -/ |
| 3 Indicators of budrombutio verstation and | | | | / | | | * |
| ³ Indicators of hydrophytic vegetation and vegetat | vetiand nydrology mus | be present, unless | disturbed | or problematic | i. | | |
| Type: | | | | | | | |
| Depth (inches): | _ | | | Hydric Soil | Prosent? | Yes | No |
| Remarks: | | · / | | Tiyano con | | 103 | |
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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

| Project/Site: B724 City | //County: Broome Sampling Date: 10/24/13 |
|--|--|
| The state of the s | |
| Investigator(s): A-(M) + 500 Se | State: NY Sampling Point: MW-4 |
| Landform (hillsland torrace ato VF (7+ | relief (concave, convex, none): A a + Slope (%): 0 |
| | |
| | Long: Datum: <u>\(\Lambda / \Lambda \text{O} \text{ \text{G}} \\ \end{align*}</u> |
| Soil Map Unit Name: | |
| Are climatic / hydrologic conditions on the site typical for this time of year? | |
| | turbed? 🚧 Are "Normal Circumstances" present? Yes 🔀 No |
| Are Vegetation, Soil, or Hydrology naturally proble | matic? NO (If needed, explain any answers in Remarks.) |
| SUMMARY OF FINDINGS – Attach site map showing sa | ampling 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 | If yes, optional Wetland Site ID: |
| Remarks: (Explain alternative procedures here or in a separate report.) | |
| LIVEROLOGY. | |
| HYDROLOGY | |
| Wetland Hydrology Indicators: | Secondary Indicators (minimum of two required) |
| Primary Indicators (minimum of one is required; check all that apply) | Surface Soil Cracks (B6) |
| Surface Water (A1) Water-Stained Lea | - 19 1 |
| High Water Table (A2) Aquatic Fauna (B1 Seturation (A2) | · · · · · · · · · · · · · · · · · · · |
| Saturation (A3) Marl Deposits (B15 Water Marks (B1) Hydrogen Sulfide (| |
| | · · · · · · · · · · · · · · · · · · · |
| Oxidized (11235)http://doi.org/10.1001/10. | · · · · · · · · · · · · · · · · · · · |
| Algal Mat or Crust (B4) Recent Iron Reduct | |
| Iron Deposits (B5) Thin Muck Surface | |
| Inundation Visible on Aerial Imagery (B7) Other (Explain in R | · A |
| Sparsely Vegetated Concave Surface (B8) | FAC-Neutral Test (D5) |
| Field Observations: | |
| Surface Water Present? Yes No Depth (inches): | |
| Water Table Present? Yes No Depth (inches): | \times |
| 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: | |
| <i>**</i> | |
| Surface water occasionally | present not |
| surface water occasionally | 1 (gr. untiken) |
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VEGETATION – Use scientific names of plants.

| VEGETATION – Use scientific names of plant | | | | Sampling Point: |
|--|------------|--------------------------------|-------|---|
| Tree Stratum (Plot size:) | | Dominant Indic Species? Sta | | Dominance Test worksheet: |
| 1. White pire | | | | Number of Dominant Species |
| 2. year margine | 98 | | | That Are OBL, FACW, or FAC:(A) |
| 3 | | | | Total Number of Dominant Species Across All Strata: (B) |
| 4 | | | / | Percent of Dominant Species |
| 5 | | | / | That Are OBL, FACW, or FAC: (A/E |
| 6 | | | | Prevalence Index worksheet: |
| 7 | | | | Total % Cover of: Multiply by: |
| | | = Total Cover | | OBL species x 1 = |
| Sapling/Shrub Stratum (Plot size:) | | | | FACW species x 2 = |
| | | | | FAC species x 3 = |
| 1. red map le 2. high Bush Blue Berry | 3 | | | FACU species x 4 = |
| ** | | | | UPL species x 5 = |
| 3 | | | | Column Totals: (A) (B |
| 4 | | | | Prevalence Index = B/A = |
| 5 | | | | \ |
| 6 | | | | Hydrophytic Vegetation Indicators: |
| 7 | | | | 1 - Rapid Test for Hydrophytic Vegetation |
| | | = Total Cover | | 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ |
| Herb Stratum (Plot size:) 1. White Difference and the size is a size in the size in | tv | | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| 2 stigh Bush Blue Berry | 20 | | | Problematic Hydrophytic Vegetation¹ (Explain) |
| 3. VIBULIUM SP | | | | |
| 4 | | | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 5 | | | | Definitions of Vegetation Strata: |
| 6 | | | | Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. |
| 7 | | | | |
| 9 | | | - 1 | Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. |
| 10 | | | | Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. |
| 11 | | | | |
| 12 | | | | Woody vines – All woody vines greater than 3.28 ft in height. |
| 4 | | = Total Cover | | |
| Woody Vine Stratum (Plot size:) | | | | |
| 1 | | | İ | |
| 2 | | | | Hydrophytic |
| 3. | | | | Vegetation Present? |
| 4 | | | | |
| | | - Total Cover | | |
| Remarks: (Include photo numbers here or on a separate | | = Total Cover | | |
| Tomasses (morado prioto namboro noto di di a soparate | s silect.) | | | |
| Folest floor is covere | d with | - SDV | (a. 9 | term must |
| | | | | |
| ground pires on h | e manu | L. K. | | |
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| Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) | | | | | | | | | |
|---|---|-------------|----------------------------------|---------------------------------------|----------------------|---|----------------|--|------------|
| Depth (inches) | Matrix Color (moist) | % | Redo Color (moist) | x Features | ž T 1 | 12 | - | 1 | |
| (inches) | | | Color (moist) | % | _Type ¹ _ | Loc_ | Texture | Remarks | |
| 0-1 | 104/2/1 | | | | | , j. | mil 1 . | greasy sit | |
| 1-3 | 7.545311 | | 7.54541 | 20 | | *************************************** | 514 | the funt stay mo | Capron S. |
| 2-15+ | 104rs/ | 60 | 10415/8 | 40 | | | ClAy | : | |
| 127 | rocky loge | | | | | | | | |
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| | | • —— | | · · · · · · · · · · · · · · · · · · · | | | | - A SAME AND A SAME AN | |
| 1Tuno: C=C | Concentration D-Don | lotion DN | L-Dadward Matrix M | | | | 21 | FI D III | |
| | Concentration, D=Dep Indicators: | letion, Riv | i-Reduced Matrix, Mi | 5=Masked | Sand Gr | airis. | | : PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ : | |
| Histoso | I (A1) | | Polyvalue Belo | w Surface | (S8) (LR f | RR, | | luck (A10) (LRR K, L, MLRA 149B) | 1. |
| | pipedon (A2) | | MLRA 149B |) | | | Coast I | Prairie Redox (A16) (LRR K, L, R) | 367 |
| | listic (A3) en Sulfide (A4) | | Thin Dark Surfa Loamy Mucky N | | | | | lucky Peat or Peat (S3) (LRR K, L, R | k . |
| | d Layers (A5) | | Loamy Gleyed | | | , L) | | urface (S7) (LRR K, L, M) lue Below Surface (S8) (LRR K, L) | |
| | ed Below Dark Surfac | e (A11) | Depleted Matrix | (F3) | | | Thin D | ark Surface (S9) (LRR K, L) | |
| | ark Surface (A12) Mucky Mineral (S1) | | Redox Dark Su | | 7) | | | anganese Masses (F12) (LRR K, L, F | |
| | Gleyed Matrix (S4) | | Depleted Dark Redox Depress | | () | | | ont Floodplain Soils (F19) (MLRA 149 Spodic (TA6) (MLRA 144A, 145, 149 | |
| Sandy F | Redox (S5) | | | ` , | | | | arent Material (F21) | _, |
| | d Matrix (S6) | | | | | | | hallow Dark Surface (TF12) | |
| Dark St | urface (S7) (LRR R, N | ALKA 149 | В) | | | | Other (| Explain in Remarks) | |
| ³ Indicators of | of hydrophytic vegetat | tion and w | etland hydrology mus | st be prese | nt, unless | disturbed | or problematic | | ĺ |
| Restrictive | Layer (if observed): | | | | | | | | |
| Type: | | | - | | | | | | |
| Depth (in | nches): | | - | | | | Hydric Soil | Present? Yes No No | |
| Remarks: | | | | | | | | | |
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WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region City/County: ______ Sampling Date: ______ Sampling Date: ______ Sampling Point: _____ QU & Project/Site: BrZ4 Applicant/Owner: norne w Investigator(s): Of Sag Section, Township, Range: Landform (hillslope, terrace, etc.): Slope (%): Soil Map Unit Name: _____NWI classification:_____A//A Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ____ (If no, explain in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? M D Are "Normal Circumstances" present? Yes No_____No___ Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? Va (If needed, explain any answers in Remark...) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? Yes _____ No within a Wetland? Yes _____ No Hydric Soil Present? Yes _____ No Wetland Hydrology Present? If yes, optional Wetland Site ID:____ Remarks: (Explain alternative procedures here or in a separate report.) **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) ___ Water-Stained Leaves (B9) ___ Drainage Patterns (B10) ___ High Water Table (A2) ___ Aquatic Fauna (B13) ___ Moss Trim Lines (B16) Saturation (A3) ___ Marl Deposits (B15) ___ Dry-Season Water Table (C2) Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Crayfish Burrows (C8) _ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) ___ Presence of Reduced Iron (C4) ___ Stunted or Stressed Plants (D1) ___ Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) ___ Shallow Aquitard (D3) ___ Inundation Visible on Aerial Imagery (B7) __ Other (Explain in Remarks) ___ Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) __ FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes ____ No ___ Depth (inches): Water Table Present? Yes ____ No ___ Depth (inches): Saturation Present? Yes ____ No ___ Depth (inches): Wetland Hydrology Present? Yes _____ No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: none.

VEGETATION – Use scientific names of plants.

| Tree Stratum (Plot size:) | | Dominant Indicator | Dominance Test worksheet: | |
|---|------------|---|---|-------|
| 1. White me | % Cover 20 | Species? Status | Number of Dominant Species | |
| In tack of all | | | That Are OBL, FACW, or FAC:(| A) |
| | | | Total Number of Dominant | |
| 3. Ked mayou | | | Species Across All Strata: | B) |
| 4. fastur remlock | | | Percent of Dominant Species | |
| 5. Muscle WOO | 3_ | | I | A/B) |
| 6. 1 out the green's Bork | TI | | Prevalence Index worksheet: | |
| 7. Shadeush | | | | |
| | | = Total Cover | Total % Cover of: Multiply by: OBL species x 1 = | |
| Sapling/Shrub Stratum (Plot size:) | | 10101 00101 | FACW species x 2 = | |
| 1. amer Beech | 30 | | FAC species x 3 = | 3 |
| | | | FACU species x 4 = | |
| | | | UPL species x 5 = | |
| 3 | | | Column Totals: (A) | I |
| 4 | | | | ` ′ |
| 5 | | | Prevalence Index = B/A = | |
| 6 | | | Hydrophytic Vegetation Indicators: | |
| 7 | | | 1 - Rapid Test for Hydrophytic Vegetation | |
| | | = Total Cover | 2 - Dominance Test is >50% | |
| Herb Stratum (Plot size:) | | , | 3 - Prevalence Index is ≤3.0 ¹ | |
| | 7-0 | | 4 - Morphological Adaptations¹ (Provide suppo | rting |
| 1. 13 hoserry 2. Wintergreen 3. Brodenfen | Tr | | data in Remarks or on a separate sheet) | |
| 2. WINELT CO | | | Problematic Hydrophytic Vegetation ¹ (Explain) | |
| | | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. | st |
| 4 | | | | |
| 5 | | | Definitions of Vegetation Strata: | |
| 6 | | | Tree - Woody plants 3 in. (7.6 cm) or more in diam | eter |
| 7 | | | at breast height (DBH), regardless of height. | |
| 8 | | | Sapling/shrub – Woody plants less than 3 in. DBH | |
| 9 | | | and greater than or equal to 3,28 ft (1 m) tall. | |
| 10 | | | Herb - All herbaceous (non-woody) plants, regardless o | of |
| 11 | | | size, and woody plants less than 3.28 ft tall. | |
| 12. | | | Woody vines – All woody vines greater than 3.28 ft in | |
| | | | height. | |
| Manda Vine Charture (Diet sies | | = Total Cover | | |
| Woody Vine Stratum (Plot size:) | | | | |
| 1 | | | Hudrophytic | |
| 2 | | | Hydrophytic Vegetation | |
| 3 | | | Present? Yes No | |
| 4 | | | | |
| | | = Total Cover | | |
| Remarks: (Include photo numbers here or on a separate s | sheet.) | | | |
| | | | | |
| lots of lycoponium | 1 | | | |
| | | | | |
| | | | | |
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| | | | | |
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Sampling Point: 400

| Depth (inches) | cription: (Describe to Matrix Color (moist) | | Red | ox Feature | s | | | , |
|--------------------------|---|------------|---------------------------------------|--------------|---|----------------|------------------------------|---|
| 0 + 2 | | % | Color (moist) | | | | <u>Texture</u> | Remarks |
| | - loye 2/2 | | | | | | 814 | |
| <u> </u> | toye 414. | | | | | | 8 H | |
| + | restrictive | laper | | | | | | |
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| | | | | | | | | |
| /pe: C=Co | ncentration, D=Deplet | ion, RM=Re | educed Matrix, MS | S=Masked | Sand Grai | ns. | ² Location: PI =F | Pore Lining, M=Matrix. |
| aric Soii if | idicators: | | | | | | Indicators for Pr | oblematic Hydric Soils ³ : |
| Histosol (Histic Epi | A1) pedon (A2) | _ | Polyvalue Belov MLRA 149B) | | S8) (LRR | R, | 2 cm Muck (A | 10) (LRR K, L, MLRA 149B) |
| Black His | | | Thin Dark Surfa | | 20 D Mil | 2 A 4 4 O D \ | Coast Prairie | Redox (A16) (LRR K, L, R) |
| | Sulfide (A4) | | Loamy Mucky N | lineral (F1) | (LRRK I | KA 149B) L) | | Peat or Peat (S3) (LRR K, L, R |
| | Layers (A5) | | Loamy Gleyed I | Matrix (F2) | (=::::::::::::::::::::::::::::::::::::: | _, | Polyvalue Bel | (S7) (LRR K, L, M) low Surface (S8) (LRR K, L) |
| Depleted | Below Dark Surface (| A11) | Depleted Matrix | | | | Thin Dark Sur | rface (S9) (LRR K, L) |
| | k Surface (A12) | *** | Redox Dark Sur | | | | Iron-Mangane | ese Masses (F12) (LRR K, L, F |
| | icky Mineral (S1) eyed Matrix (S4) | - | Depleted Dark S | | ") | | Piedmont Floo | odplain Soils (F19) (MLRA 149 |
| Sandy Gle | | | Redox Depressi | ons (F8) | | | Mesic Spodic | (TA6) (MLRA 144A, 145, 149) |
| | Matrix (S6) | | | | | | Red Parent M | |
| | ace (S7) (LRR R, MLF | RA 149B) | | | | | Very Shallow Other (Explain | Dark Surface (TF12) n in Remarks) |
| dicators of h | nydrophytic vegetation | and wetlar | id hydrology must | be presen | t, unless d | listurbed (| or problematic. | |
| strictive La Type: | yer (if observed): | | | | | | | |
| Depth (inch | es): | | | | | | Undela Call Dura | |
| marks: | | | | | | | Hydric Soil Presen | nt? Yes No |
| l" or o | s of ruots | | | | | | | |
| | o of ruots | 1/22 | 0 4 2 W | 4072 | 4 | Soil | SUPPA | Cy |
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WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region Project/Site: BR 2-1 City/County: Broome Sampling Date: 10/23/13 Applicant/Owner: Norrew State: Ny Sampling Point: B We-t Investigator(s): Section, Township, Range: Landform (hillslope, terrace, etc.): Flat are a next to pour Local relief (concave, convex, none): _______ Slope (%):_____ Long: _____ Datum Subregion (LRR or MLRA): _____ Lat: ___ NWI classification: pem/pfo/pow Soil Map Unit Name: _____ Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ____ (If no, explain in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? V Are "Normal Circumstances" present? Yes X Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? \(\scale \infty \infty \infty \left((If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? Yes X No within a Wetland? Hydric Soil Present? Yes _____ No Wetland Hydrology Present? Yes ____ No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) **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) ___ Water-Stained Leaves (B9) ___ Drainage Patterns (B10) ✓ High Water Table (A2) ___ Aquatic Fauna (B13) ___ Moss Trim Lines (B16) ✓ Saturation (A3) ___ Marl Deposits (B15) ___ Dry-Season Water Table (C2) ___ Water Marks (B1) ___ Hydrogen Sulfide Odor (C1) ___ Crayfish Burrows (C8) ___ Sediment Deposits (B2) ___ Oxidized Rhizospheres on Living Roots (C3) ___ Saturation Visible on Aerial Imagery (C9) ___ Drift Deposits (B3) Presence of Reduced Iron (C4) ___ Stunted or Stressed Plant. (D1) ___ Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) ___ Geomorphic Position (D2) ___ Iron Deposits (B5) ___ Thin Muck Surface (C7) __ Shallow Aquitard (D3) ___ Inundation Visible on Aerial Imagery (B7) __ Other (Explain in Remarks) Microtopographic Relief (D4) _ Sparsely Vegetated Concave Surface (B8) ___ FAC-Neutral Test (D5) Field Observations: * - Varithy Yes <u>X</u> No ____ Depth (inches): 0 - 2 " Surface Water Present? Yes ____ No ____ Depth (inches): 🕠 Water Table Present? Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes _____ No (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks: mostly flat Area with some hummocks + hollows next to a series of Beaver pond.

VEGETATION – Use scientific names of plants.

Sampling Point: Bwet

| Tree Stratum (Plot size:) | Absolute % Cover | Dominant Indicator Species? Status | Dominance Test worksheet: |
|---|---------------------|------------------------------------|---|
| 1. White pine | | | Number of Dominant Species That Are OBL, FACW, or FAC:(A) |
| 2 | | | |
| 3 | | | Total Number of Dominant Species Across All Strata: (B) |
| 4 | | | |
| 5 | | | Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B) |
| | | | (40) |
| 6 | | | Prevalence Index worksheet: |
| 7 | | | Total % Cover of: Multiply by: |
| | | = Total Cover | OBL species x 1 = |
| Sapling/Shrub Stratum (Plot size:) | . ~ | | FACW species x 2 = |
| 1. High BUSh BlueBerry | 10_ | | FAC species x 3 = |
| 2 | | | FACU species x 4 = |
| 3 | | | UPL species x 5 = |
| 4 | | | Column Totals: (A) (B) |
| 5 | | | Prevalence Index = B/A = |
| 6 | | | Hydrophytic Vegetation Indicators: |
| 7 | | | 1 - Rapid Test for Hydrophytic Vegetation |
| | | | 2 - Dominance Test is >50% |
| Howh Chaptures /Dist =: | | = Total Cover | 3 - Prevalence Index is ≤3.0¹ |
| Herb Stratum (Plot size:) 1. Sporghan va | 38 | | 4 - Morphological Adaptations ¹ (Provide supporting |
| 2. Sensitive fern | 20 | | data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) |
| | | | |
| 4. Spinulose woodfern 5. high Bush Bluesery | 3 | | ¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 5. high Bush Bluesery | and s | | Definitions of Vegetation Strata: |
| 6. Fed maple | angua - | | Tree – Woody plants 3 in. (7.6 cm) or more in diameter |
| 7 | | | at breast height (DBH), regardless of height. |
| 8 | | | Sapling/shrub – Woody plants less than 3 in. DBH |
| 9 | | | and greater than or equal to 3.28 ft (1 m) tall. |
| 10 | | | Herb - All herbaceous (non-woody) plants, regardless of |
| 11 | | | size, and woody plants less than 3.28 ft tall. |
| 12. | | | Woody vines – All woody vines greater than 3.28 ft in |
| | | - Total Cours | height. |
| Moody Vino Stratum (Diet aize: | | = Total Cover | |
| Woody Vine Stratum (Plot size:) | | | |
| 0.000 | | | Hydrophytic |
| 2. none | | | Vegetation |
| 3 | | | Present? Yes No |
| 4 | - | | |
| | | = Total Cover | |
| Remarks: (Include photo numbers here or on a separate | sheet.) | | |
| sphagnum moss/neen some trees falling over | le con | rcien fere | est flor |

Sampling Point: BWT

| Depth | Matrix | depth needed to document the indicator or Redox Features | |
|-----------------------|--|---|---|
| (inches) | Color (moist) % | Color (moist) % Type ¹ | |
| 0-2 | 10 y (5/1 | | 8) H/c/aye) |
| 2-4 | 10v 56 | none | Styldayer a |
| 4+ 10 | de | | |
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| Type: C=Co | ncentration, D=Depletion, | RM=Reduced Matrix, MS=Masked Sand Grain | |
| Hydric Soil I | | Debughe Debugh | Indicators for Problematic Hydric Soils ³ : |
| Histosol Histic Ep | (A1) ipedon (A2) | Polyvalue Below Surface (S8) (LRR F MLRA 149B) | |
| Black His | | Thin Dark Surface (S9) (LRR R, MLR | Coast Prairie Redox (A16) (LRR K, L, R) A 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) |
| | n Sulfide (A4) | Loamy Mucky Mineral (F1) (LRR K, L | Dark Surface (S7) (LRR K, L, M) |
| | Layers (A5) Below Dark Surface (A11 | Loamy Gleyed Matrix (F2) | Polyvalue Below Surface (S8) (LRR K, L) |
| | rk Surface (A12) |) Depleted Matrix (F3) Redox Dark Surface (F6) | Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) |
| Sandy M | ucky Mineral (S1) | Depleted Dark Surface (F7) | Piedmont Floodplain Soils (F19) (MLRA 149B) |
| | leyed Matrix (S4) | Redox Depressions (F8) | Mesic Spodic (TA6) (MLRA 144A, 145, 149B) |
| | edox (S5) Matrix (S6) | | Red Parent Material (F21) |
| | face (S7) (LRR R, MLRA | 149B) | <pre> Very Shallow Dark Surface (TF12) Other (Explain in Remarks)</pre> |
| | | | |
| Indicators of | hydrophytic vegetation an ayer (if observed): | d wetland hydrology must be present, unless d | sturbed or problematic. |
| Type: | ayer (n observed): | | |
| , | hes): | | Hydrin Sail Dreagant? Von No |
| Remarks: | | | Hydric Soil Present? Yes No |
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| Project/Site: 8R24 | DETERMINAT | ION DATA FOR | RM – Northcentral and No | rtheast Region |
|--|-------------------------|------------------------|---|---|
| Applicant/Owner: Norrey | 1 | City/0 | County: 1000000000000000000000000000000000000 | Sampling Date: 10 23 |
| Investigator(s): Advis / SA | | | State: | NY Sampling Point: BUP |
| andform (hillolong towns and | TRIVAL | Sonti | n Tournahin D | · · |
| Subragion (LDD or MLDA) | 10.,000 | Local rel | ef (concave, convex, none): | 10 γ C Slope (%): Ω · |
| Cablegion (LINK OF WILKA). | Lat: _ | | Long | D-4 |
| out map offit frame. | | | NIA | I alaasifissii |
| The similation right blogic continuits i | on the site typical for | this time of year? Y | es No (If no ex | Nain in Pomarka |
| Are vegetation, Soil | , or Hydrology | _ significantly distur | oed? (1) Are "Normal Circums | tanaga" programta V |
| Are Vegetation, Soil | , or Hydrology | _ naturally problema | tic? 🕜 🕡 (If needed, explain an | IV answers in Remarks) |
| | | | | nsects, important features, etc. |
| Hydrophytic Vegetation Present? | Yes | | Is the Sampled Area | |
| Hydric Soil Present? | Yes | | | sNo |
| Wetland Hydrology Present? Remarks: (Explain alternative proc | Yes | No | If yes, optional Wetland Site ID:_ | · — |
| HYDROLOGY | | | | |
| Wetland Hydrology Indicators: | | | Secondar | V Indicators (minimum of) |
| Primary Indicators (minimum of one | is required; check al | I that apply) | | y Indicators (minimum of two required) ce Soil Cracks (B6) |
| Surface Water (A1) | Wa | ater-Stained Leaves | | age Patterns (B10) |
| High Water Table (A2)Saturation (A3) | | uatic Fauna (B13) | | Trim Lines (B16) |
| Water Marks (B1) | | arl Deposits (B15) | Drv-S | Season Water Table (C2) |
| Sediment Deposits (B2) | | drogen Sulfide Odor | | ish Burrows (C8) |
| Drift Deposits (B3) | Ox | esence of Reduced I | | ation Visible on Aerial Imagery (C9) |
| Algal Mat or Crust (B4) | | cent Iron Reduction | | ed or Stressed Plants (D1) orphic Position (D2) |
| Iron Deposits (B5) | Thi | n Muck Surface (C7 | · · · · · · · · · · · · · · · · · · · | ow Aquitard (D3) |
| Inundation Visible on Aerial ImaSparsely Vegetated Concave St | gery (B7) Oth | ner (Explain in Rema | | copographic Relief (D4) |
| Field Observations: | лпасе (B8) | | | Neutral Test (D5) |
| 0 6 344 | No De | endle (lastere) | | |
| 1 A F F | No De | | | |
| Saturation Present? Yes | No De | | 306 (1) | |
| (morades capillary friffue) | | | Wetland Hydrology F | Present? Yes No X |
| Describe Recorded Data (stream gat | uge, monitoring well, | aerial photos, previo | us inspections), if available: | |
| Remarks: | | | | |
| no L | ty oral | 09 1 | | |

| Absolute | Dominant Indicator | Dominance Test worksheet: |
|----------|---|---|
| % Cover | Species? Status | Number of Dominant Species |
| 10 | | |
| | | Total Number of Dominant |
| h | | Species Across All Strata:(B) |
| | | |
| | | That Are OBL, FACW, or FAC:(A/B |
| | | |
| | | To a contract worksheet. |
| | | Total % Cover of: Multiply by: |
| | | OBL species x 1 = |
| 2 | | FACW species x 2 = FAC species x 3 = |
| | | FACU species x 4 = |
| | | UPL species x 5 = |
| | | Column Totals: (A) (B) |
| | | |
| | | Prevalence Index = B/A = |
| | | Hydrophytic Vegetation Indicators: |
| •••• | | 1 - Rapid Test for Hydrophytic Vegetation |
| | | 2 - Dominance Test is >50% |
| | | 3 - Prevalence Index is ≤3.0¹ |
| 26 | | 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) |
| | | Problematic Hydrophytic Vegetation ¹ (Explain) |
| | | |
| | | ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| - | | |
| | | Definitions of Vegetation Strata: |
| | | Tree – Woody plants 3 in. (7.6 cm) or more in diameter |
| | | at breast height (DBH), regardless of height. |
| | | Sapling/shrub – Woody plants 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 *all. |
| | | Woody vines – All woody vines greater than 3.28 ft in |
| | - | height. |
| | 10141 00001 | |
| | | |
| | | Hydrophytic |
| | | Vegetation |
| | | Present? Yes No |
| | | |
| | Total Cover | |
| | 3 | = Total Cover |

Sampling Point: BU

| Depth | cription: (Describe t Matrix | | | nent the indic <u>x Features</u> | cator or confirn | n the absence | of indicators.) |
|----------------------------|-----------------------------------|---------------|---------------------------------|-------------------------------------|-----------------------------------|-----------------------|---|
| (inches) | Color (moist) | % | Color (moist) | <u>%</u> Tv | ype ¹ Loc ² | Texture | Remarks |
| 12-0 | Sapric mo | <u>teriol</u> | 1 root | | | | |
| 0 - / | 104/ 3/3 | 1007. | none | | | 801t | |
| to of | 1041 H/3 | | 104R 5/6 | < 2 | | Silty | FAIR + rep mottles |
| <u>at</u> 2 | thit ru | 40 | , | | | | |
| | | | | | 20ch | | |
| | | | | 6 | <u> </u> | | |
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| | | | | | | | |
| ¹ Type: C=Co | oncentration, D=Deple | tion, RM=Re | educed Matrix, MS | =Masked Sar | d Grains. | ² Location | PL=Pore Lining, M=Matrix. |
| Hydric Soil I | ndicators: | | | | | Indicators | for Problematic Hydric Soils ³ : |
| Histosol | (A1) pipedon (A2) | | Polyvalue Below MLRA 149B) | Surface (S8) | (LRR R, | 2 cm M | uck (A10) (LRR K, L, MLRA 149B) |
| Black His | | | Thin Dark Surfac | e (S9) (LRR | R. MLRA 149B) | Coast F | Prairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) |
| | n Sulfide (A4) | | Loamy Mucky Mi | ineral (F1) (LF | RR K, L) | | urface (S7) (LRR K, L, M) |
| | Layers (A5) Below Dark Surface | (Δ11) | Loamy Gleyed M | | | Polyvalı | ue Below Surface (SC) (LRR K, L) |
| Thick Da | rk Surface (A12) | (\(\tau(1)\) | Depleted Matrix Redox Dark Surf | | | Thin Da | ark Surface (S9) (LRR K, L) anganese Masses (F12) (LRR K, L, R) |
| | ucky Mineral (S1) | | Depleted Dark S | urface (F7) | | Piedmo | int Floodplain Soils (F19) (MLRA 149B) |
| | leyed Matrix (S4) edox (S5) | | Redox Depression | ons (F8) | | Mesic S | Spodic (TA6) (MLRA 144A, 145, 149B) |
| Stripped | Matrix (S6) | | | | | | rent Material (F21) nallow Dark Surface (TF12) |
| Dark Sur | face (S7) (LRR R, ML | .RA 149B) | | | | | Explain in Remarks) |
| ³ Indicators of | hydrophytic vegetatio | n and wetlan | id hydrology must | he present u | nless disturbed | or problematic | |
| Restrictive L | ayer (if observed): | | min, minegy mace | oo procent, a | nicss disturbed | or problematic. | |
| Type: | | | | | | | |
| Depth (incl | hes): | | | | | Hydric Soil F | Present? Yes No <u>×</u> |
| Remarks: | | | | | | | |
| A. | | | | | | | |
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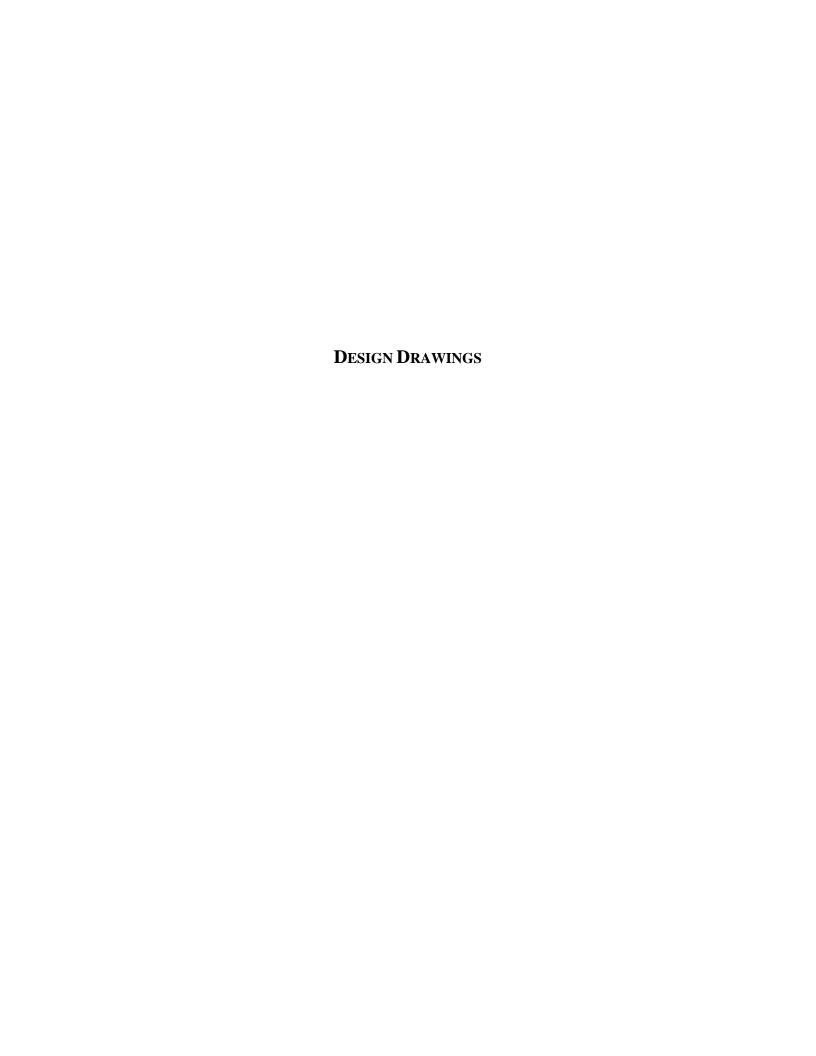
ATTACHMENT B

FUNCTIONS AND SERVICES

Wetland Function-Value Evaluation Form

| | | | | | Wetland I.D |
|---|--------------------|----------------------------|---|---------------------|--------------------|
| Total area of wetland Human made? | Is wetland | part of a wildlife corrido | or? or | a "habitat island"? | Latitude Longitude |
| Adjacent land use | | Distance to nearest | Prepared by: Date | | |
| Dominant wetland systems present | | Contiguous undeve | Wetland Impact:Area | | |
| Is the wetland a separate hydraulic system? How many tributaries contribute to the wetland?_ | Wi | ildlife & vegetation diver | Evaluation based on: Office Field Corps manual wetland delineation completed? Y N | | |
| Function/Value | Suitability Y N | Rationale (Reference #)* | Principal Function(s |)/Value(s) | Comments |
| Groundwater Recharge/Discharge | | | | , , , | |
| Floodflow Alteration | | | | | |
| Fish and Shellfish Habitat | | | | | |
| Sediment/Toxicant Retention | | | | | |
| Nutrient Removal | | | | | |
| → Production Export | | | | | |
| Sediment/Shoreline Stabilization | | | | | |
| Wildlife Habitat | | | | | |
| Recreation | | | | | |
| Educational/Scientific Value | | | | | |
| ★ Uniqueness/Heritage | | | | | |
| Visual Quality/Aesthetics | | | | | |
| ES Endangered Species Habitat | | | | | |
| Other | | | | | |

Notes: *Refer to backup list of numbered considerations.



| | DRAWING LIST | | | | | | |
|-----------------|---|--|--|--|--|--|--|
| SHEET NUMBER | DESCRIPTION | | | | | | |
| 1 | COVER SHEET | | | | | | |
| 2 | GENERAL NOTES | | | | | | |
| 3 | EXISTING CONDITIONS | | | | | | |
| 4 | WETLANDS METES AND BOUNDS TABLES | | | | | | |
| 5 | SITE PLAN | | | | | | |
| 6 | SITE PLAN — S6 | | | | | | |
| 7 | SITE PLAN - S7 | | | | | | |
| 8 | SITE PLAN - S8 | | | | | | |
| 9 | SITE PLAN — S9 | | | | | | |
| 10 | SITE PLAN — S10 | | | | | | |
| 11 | EASEMENT PLAN | | | | | | |
| 12 | CONSERVATION EASEMENT METES AND BOUNDS TABLES | | | | | | |

OWNER: EMPIRE STATE DEVELOPMENT, LLC/

HARTZ ENERGY HOLDINGS, LLC

TAX PARCEL ID: 061.00 - 1 - 2

ACREAGE OF PARCEL: 138.3 ACRES

DISTURBED ACREAGE: 0.0 ACRES

ADDRESS: 427 DAVEY-MENDENHALL ROAD

COLESVILLE, NY 13787

HUC 8: UPPER SUSQUEHANNA - 02050101

FOUND ON

THIS VIEW IS TAKEN AND SHOWN ON THE SAME SHEET

THIS VIEW IS TAKEN ON

SHEET S-1 AND SHOWN ON SHEET S-3

IOTES:

- 1. SECTIONS ARE ALPHABETICAL.
- 2. DETAILS ARE NUMERICAL.
- 3. VIEWS ARE DOUBLE ALPHABETICAL.

THIS SECTION IS CUT AND

SHOWN ON THE SAME SHEET

SHEET P-1 AND SHOWN ON SHEET P-3

THIS SECTION IS CUT ON CUT ON

SECTION/DETAIL IDENTIFICATION SYMBOLS

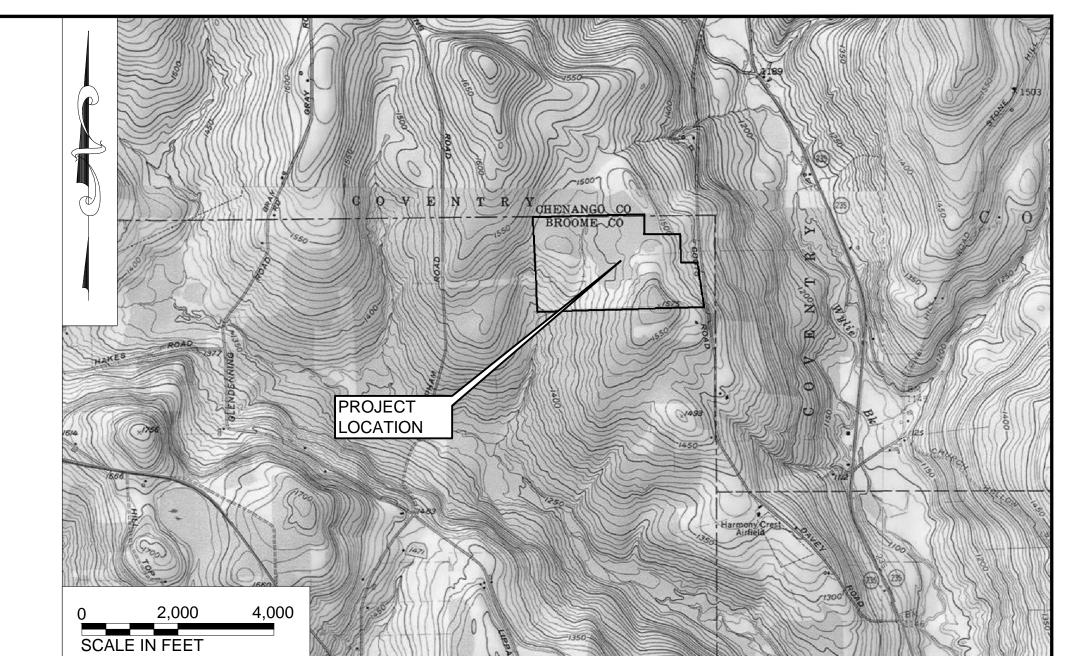
SHOWN ON THE SAME SHEET

THIS DETAIL IS TAKEN ON

SHEET R-1 AND SHOWN ON SHEET R-3

TAKEN FROM





VICINITY MAP
ELEVATIONS ARE IN METERS)



NOTES:

- 1. TOPOGRAPHIC AND PARCEL BOUNDARY SURVEY DATA BASED ON 2013/2014 SURVEY FROM MICHAEL BAKER CORPORATION. COORDINATES SHOWN ARE EXPRESSED IN US SURVEY FEET AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83), UTM ZONE 18.
- 2. WETLAND BOUNDARIES BASED ON 2013/2014 DELINEATION BY KLEINSCHMIDT ASSOCIATES.



| | | | | | CONSTITUTION PIPELINE, LLC WETLAND MITIGATION |
|-------------------|---|-----------------|--------------|----------------|--|
| | | | | | SITE BR-24: DAVEY-MENDENHALL ROAD |
| | | | | | COVER SHEET |
| - No. | - Revision | - Date | - Drawn | - Checked | **Telephone: (207) 487-3328 Fax: (207) 487-3124 www.KleinschmidtUSA.com |
| ELECTRO PURPOS | CUMENT IS A DRAFT VERSION PROVIDED FOR THE CONVENIENCE OF THE USER AND IS NOT AN INSTRUMENT OF OF ILLENSCHMIDT ASSOCIATES UNLESS IT BEARS THE PROFESSIONAL ENGINEER'S STAMP AND ORIGINAL RIRE. THIS DOCUMENT IS NOT A PRODUCT, AND TRANSFER OF A VERSION OF AN INSTRUMENT OF SERVICE BY ONIC MEDIA IS NOT DEEMED A SALE. THIS DOCUMENT MAY NOT BE ALTERED BY OTHERS OR USED FOR PROJECTS OR ES OTHER THAN THE PROJECT FOR WHICH IT WAS PREPARED, WITHOUT THE EXPRESS WRITTEN PERMISSION OF HIMIDT ASSOCIATES. | Designed SJC | Drawn SJC | Checked TAK | |

GENERAL NOTES

- 1. SUBCONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH THESE DRAWINGS AND THE PROJECT SPECIFICATIONS.
- 2. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO REVIEW ALL OF THE DRAWINGS, SPECIFICATIONS, AND REFERENCED DOCUMENTS ASSOCIATED WITH THE PROJECT PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE SUBCONTRACTOR FIND ANY CONFLICT WITH THE DOCUMENTS, IT IS THE SUBCONTRACTOR'S RESPONSIBILITY TO NOTIFY KLEINSCHMIDT AND THE ENGINEER OF RECORD, IN WRITING, PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE SUBCONTRACTOR TO NOTIFY KLEINSCHMIDT AND THE ENGINEER OF RECORD SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE SUBCONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND SPECIFICATIONS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 3. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR TO FULFILL ALL REQUIREMENTS OF THE CONTRACT AND ALL AMENDMENTS THERETO, INCLUDING BUT NOT LIMITED TO GENERAL CONDITIONS, SPECIAL CONDITIONS, TECHNICAL SPECIFICATIONS AND THESE DRAWINGS IN ORDER TO COMPLETE THIS PROJECT.
- . ALL EXISTING AND PROPOSED DIMENSIONS, FEATURES, UTILITIES AND ELEVATIONS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE SUBCONTRACTOR PRIOR TO CONSTRUCTION. SUBCONTRACTOR SHALL NOTIFY KLEINSCHMIDT, IN WRITING, IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH THE CONSTRUCTION TO OBTAIN NECESSARY PLAN CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE SUBCONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO ERRORS & OMISSIONS SHOWN ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN. KLEINSCHMIDT RESERVES THE RIGHT TO MODIFY THESE PLANS.
- 5. SUBCONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, LAYOUT AND EXISTING CONDITIONS SHOWN PRIOR TO SHOP DRAWING SUBMITTAL, ORDERING MATERIAL, START OF FABRICATION, OR START OF CONSTRUCTION. SUBCONTRACTOR SHALL NOTIFY KLEINSCHMIDT OF DISCREPANCIES.
- 6. THE SUBCONTRACTOR SHALL BE FAMILIAR WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL APPROVALS AND PERMITS FOR THE PROJECT AND SHALL HAVE A COPY OF RELEVANT PLANS AND PERMITS ON SITE AT ALL TIMES. THE SUBCONTRACTOR SHALL NOT PROCEED WITH THEIR WORK UNTIL ALL RELEVANT PERMITS ARE OBTAINED.
- 7. THE SUBCONTRACTOR IS RESPONSIBLE FOR PROTECTING THE ENVIRONMENT.
- 8. SUBCONTRACTOR SHALL SCHEDULE WORK IN COOPERATION WITH THE OWNER AND KLEINSCHMIDT.
- 9. SUBCONTRACTOR SHALL PROVIDE SUBMITTALS AND RECEIVE KLEINSCHMIDT'S APPROVAL FOR ALL STRUCTURAL AND MISCELLANEOUS METAL ITEMS AND CONCRETE REINFORCEMENT PRIOR TO FABRICATION.
- 10. SUBCONTRACTOR SHALL CLEAN UP ANY SPILLS OR DEBRIS CAUSED BY CONSTRUCTION.
- 11. SUBCONTRACTOR SHALL REPAIR ANY PORTIONS OF THE SITE THAT ARE DAMAGED DURING CONSTRUCTION, AND PERFORM LANDSCAPING AND SITE REMEDIATION AS NECESSARY TO LEAVE THE WORK AREA AS CLOSE TO ORIGINAL CONDITION AS POSSIBLE.
- 12. ALL WORK SHALL BE CONDUCTED PER THE SOIL EROSION AND SEDIMENT CONTROL PLAN.
- 13. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
- 14. THE SUBCONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK. THE SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUE AND PROCEDURE OF CONSTRUCTION; INCLUDING, BUT NOT LIMITED TO, BRACING OF THE WORK AS REQUIRED TO PROTECT THE WORK UNTIL THE PROJECT IS COMPLETE. SUBCONTRACTOR SHALL NOT PLACE EQUIPMENT OR MATERIALS OUTSIDE OF THE LIMIT OF WORK SHOWN ON THE PLANS WITHOUT WRITTEN CONSENT FROM KLEINSCHMIDT AND THE CONSERVATION DISTRICT.
- 15. ATTENTION ALL SUBCONTRACTORS: LOCATIONS OF ALL EXISTING UTILITIES SHOWN HEREON HAVE BEEN DEVELOPED FROM ABOVE—GROUND INSPECTION OF THE SITE. COMPLETENESS AND ACCURACY OF TYPE, SIZE, DEPTH OR HORIZONTAL LOCATION OF UNDERGROUND FACILITIES OR STRUCTURES CANNOT BE GUARANTEED. CONTRACTORS MUST VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES. SEE STATE SPECIFIC REQUIREMENTS, THIS PAGE.
- 16. THE SUBCONTRACTOR SHALL BE RESPONSIBLE FOR AND PROVIDE ALL CONSTRUCTION STAKEOUT AND SURVEY WORK NECESSARY FOR THEIR WORK, UNLESS ARRANGED OTHERWISE WITH KLEINSCHMIDT. ANY DISCREPANCIES FOUND DURING THE COURSE OF THE SURVEY WORK SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF KLEINSCHMIDT.
- 17. THE SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- 18. THE SUBCONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL MATERIAL, EQUIPMENT, SUPPLIES, ETC., STORED AT THE SITE.
- 19. THE SUBCONTRACTOR SHALL BE RESPONSIBLE TO CLEAN PROJECT SITE OF ALL WASTE, FILL, DEBRIS, ETC. DAILY AND PRIOR TO LEAVING THE SITE
- 20. ANY DAMAGE TO THE UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE SUBCONTRACTOR, AND ALL COST FOR REPAIRS SHALL BE BORNE BY THE SUBCONTRACTOR.
- 21. NO TREES SHALL BE DISTURBED UNLESS INDICATED ON THE PLANS THAT THEY ARE TO BE REMOVED.
- 22. NO WETLANDS SHALL BE DISTURBED UNLESS INDICATED ON THE PLANS AND ALL APPROPRIATE PERMITS ARE IN PLACE.
- 23. THE SUBCONTRACTOR SHALL COMPLY WITH ALL CONDITIONS CONTAINED IN RELEVANT PERMITS ISSUED FOR THIS PROJECT.

- 24. SURVEY DATA ARE BASED ON TOPOGRAPHIC SURVEY BY MICHAEL BAKER CORPORATION. COORDINATES SHOWN ARE EXPRESSED IN U.S. SURVEY FEET AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83), UTM ZONE 18.
- 25. WETLAND BOUNDARIES BASED ON 2013/2014 DELINEATION BY KLEINSCHMIDT. WETLANDS WERE DELINEATED BASED ON THE USACE 2012 REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION (VERSION 2.0).
- 26. THÉ SUBCONTRACTOR SHALL BE ADVISED THAT THE PROJECT MAY BE LOCATED IN AN AREA PRONE TO FLOODING AND SEVERE WEATHER. THE SUBCONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THE PROJECT WHILE UNDER CONSTRUCTION, WHICH MAY INCLUDE SEQUENCING THE PROJECT TO PROTECT TEMPORARY AND PERMANENT STRUCTURES. THIS INCLUDES, BUT IS NOT LIMITED TO, PROTECTION FROM STORMS, FLOODS, WIND, AND RECREATIONAL USERS. THE SUBCONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF THE PROJECT SITE, TEMPORARY FACILITIES, FALSEWORK, EQUIPMENT, PERSONNEL, WORK, MATERIALS, AND OTHER PROPERTIES, THE PUBLIC, OR INDUSTRY.
- 27. EVERY SUBCONTRACTOR SHALL COOPERATE WITH AND MAKE ALLOWANCES FOR OTHER SUBCONTRACTORS.
- 28. SUBCONTRACTOR SHALL PARK IN DESIGNATED AREAS ONLY.
- 29. TO THE GREATEST EXTENT POSSIBLE ALL TRAFFIC SHALL REMAIN ON DESIGNATED TRAVELWAYS. ANY DAMAGE TO TURF OR FIELDS SHALL BE REPORTED AND REPAIRED IMMEDIATELY BY THE SUBCONTRACTOR.
- 30. ALL SUBCONTRACTORS SHALL SUBMIT THE FOLLOWING FOR APPROVAL:
 PHASING AND SEQUENCING PLAN: SUBMIT PLAN NO LESS THAN 14
 DAYS PRIOR TO COMMENCING WORK
- DAYS PRIOR TO COMMENCING WORK.

 POLLUTION PREVENTION AND CONTROL PLAN: SUBMIT SITE SPECIFIC
- PLAN NO LESS THAN 14 DAYS PRIOR TO COMMENCING WORK.

 SITE SPECIFIC SAFETY PLAN: SUBMIT PLAN NO LESS THAN 14 DAYS PRIOR TO COMMENCING WORK.
- 30. ALL EQUIPMENT IS TO BE IN COMPLIANCE WITH ALL OSHA AND DOSH SAFETY SPECIFICATIONS INCLUDING, FUNCTIONING BACKUP ALARMS AND MIRRORS FOR SAFE BACKING.
- 31. ALL HEAVY EQUIPMENT IS TO BE PROPERLY MAINTAINED SUCH THAT ALL ACCESSORIES ARE FUNCTIONING ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- 32. THE SUBCONTRACTOR SHALL IMMEDIATELY NOTIFY KLEINSCHMIDT AND CONSTRUCTION MANAGER OF ANY UNINTENTIONAL RELEASE OF ANY CHEMICAL (INCLUDING BUT NOT LIMITED TO, DIESEL FUEL, HYDRAULIC OIL, HERBICIDE) WHILE ON THE PROJECT SITE AND SHALL IMMEDIATELY TAKE MEASURES TO CONTAIN AND CLEAN UP SUCH SPILLED MATERIALS, INCLUDING THE REMOVAL OF CONTAMINATED SOIL. THE SUBCONTRACTOR SHALL, AT ALL TIMES, HAVE EQUIPMENT AND SUPPLIES READILY AVAILABLE TO ADEQUATELY CONTROL AND CLEAN UP ANY CHEMICAL SPILLS. THE SUBCONTRACTOR SHALL ALSO BE RESPONSIBLE FOR NOTIFICATION OF ALL APPLICABLE AGENCIES IN THE EVENT OF AN UNCONTROLLED CHEMICAL RELEASE. THE SUBCONTRACTOR IS SOLEY RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE SPILL, INCLUDING SITE CLEANUP, DISPOSAL OF MATERIAL, AND COSTS FOR DELAYS TO THE PROJECT SCHEDULE CAUSED BY THE SPILL.

NEW YORK GENERAL NOTES

- 1. THE SUBCONTRACTOR WILL BE RESPONSIBLE FOR CONDUCTING UNDERGROUND UTILITY CHECKS, IN ACCORDANCE WITH STATE REGULATIONS. THE SUBCONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING WITH DIG SAFELY NEW YORK (1-800-962-7962) A MINIMUM OF THREE (3) FULL WORKING DAYS IN ADVANCE OF ANY DIGGING ACTIVITY. SHOULD ANY UTILITIES BE LOCATED THAT ARE IN CONFLICT WITH THE DESIGN, THE SUBCONTRACTOR SHALL IMMEDIATELY REPORT THESE CONFLICTS IN WRITING TO KLEINSCHMIDT.
- 2. ALL MATERIALS SHALL BE PROVIDED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS UNLESS NOTED OTHERWISE.
- 3. ALL MATERIALS SHALL BE PROVIDED AND WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION REQUIREMENTS FOR SOIL AND EROSION PROTECTION.

EXCAVATION CONTRACTOR NOTES

- 1. EXCAVATION SUBCONTRACTOR IS RESPONSIBLE FOR ALL SHORING REQUIRED DURING EXCAVATION. THIS AND ALL OTHER SITE WORK MUST BE IN ACCORDANCE WITH CURRENT OSHA STANDARDS.
- 2. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE EXCAVATION SUBCONTRACTOR THOROUGHLY REVIEWS AND UNDERSTANDS ALL PLANS AND OTHER DOCUMENTS BY ALL PERMITTING AUTHORITIES.
- 3. CONSERVATION DISTRICT EROSION AND SEDIMENT CONTROL ADEQUACY LETTER TO BE APPROVED PRIOR TO SITE DISTURBANCE, AS REQUIRED BY THE CONSERVATION DISTRICT.
- 4. NO EARTH MOVING ACTIVITIES SHALL BEGIN PRIOR TO THE INSTALLATION OF THE TREE OR RESTRICTED AREA PROTECTIVE FENCING, AS REQUIRED BY THESE PLANS.
- 5. ANY SOLID WASTE FROM THE SITE SHALL BE DISPOSED OF BY EXCAVATION SUBCONTRACTOR IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- 6. WATER THAT ACCUMULATES IN OPEN TRENCHES WILL BE COMPLETELY REMOVED BY PUMPING BEFORE CONSTRUCTION AND/OR BACKFILLING BEGINS. WATER MUST BE PUMPED THROUGH A FILTER BAG ON TO A STABLE SURFACE OR INTO THE SEDIMENT BASIN. CONCRETE SHALL BE PLACED IN A CLEAN DRY TRENCH ONLY.

- 7. EXCAVATIONS OR TRENCHING WITHIN THE CLOSE PROXIMITY TO UNDERGROUND FACILITIES OR UTILITY POLES WILL REQUIRE PROTECTION TO PREVENT DAMAGE OR INTERRUPTION OF SERVICE. THE COST TO PROVIDE THE PROTECTION WILL BE BORNE BY THE EXCAVATION SUBCONTRACTOR.
- 8. COMPACTION IN FILL AREAS BENEATH ALL PROPOSED STRUCTURES SHOULD MEET ALL MANUFACTURER AND TOWNSHIP REQUIREMENTS AND BE EQUAL TO THE 98% MODIFIED PROCTOR DENSITY, AT A MINIMUM.
- 9. ALL CONCRETE UTILIZED ON SITE SHALL BE 4,000 PSI (MINIMUM 28 DAY COMPRESSIVE STRENGTH) WITH 5% AIR ENTRAINMENT, UNLESS OTHERWISE NOTED.

| | | BR-24 S | SOIL DAT | TA | | | |
|----------------|--|--------------|----------|-----------------|--------------------|------------------------------|------------------------------------|
| | | | | | | RESTRI | CTIVE LAYER |
| SOIL SYMBOL | SOIL NAME | SLOPE (%) | HSG | FROST ACTION | KF (WHOLE SOIL) | DEPTH TO FRAGIPAN (IN) | DEPTH TO LITHIC BEDROCK (IN) |
| AcA | ALDEN AND CHIPPEWA SOILS | 0-3 | C/D | HIGH | 0.28 | >78.7 | >78.7 |
| ArD | ARNOT CHANNERY SILT LOAM | 0-25 | D | MODERATE | 0.24 | >78.7 | 16.1 |
| LdC | LORDSTOWN CHANNERY SILT LOAM | 5-15 | С | MODERATE | 0.24 | >78.7 | 28.0 |
| LdD | LORDSTOWN CHANNERY SILT LOAM | 15-25 | С | MODERATE | 0.24 | >78.7 | 28.0 |
| MhB | MARDIN CHANNERY SILT LOAM | 2-8 | D | MODERATE | 0.24 | 18.1 | >78.7 |
| MhC | MARDIN CHANNERY SILT LOAM | 8-15 | D | MODERATE | 0.24 | 18.1 | >78.7 |
| MhD | MARDIN CHANNERY SILT LOAM | 15-25 | D | MODERATE | 0.24 | 18.1 | >78.7 |
| TuD | TULLER CHANNERY SILT LOAM | 0-25 | D | HIGH | 0.24 | >78.7 | 16.9 |
| VoB | VOLUSIA CHANNERY SILT LOAM | 3-8 | D | HIGH | 0.28 | 16.9 | >78.7 |
| VoC | VOLUSIA CHANNERY SILT LOAM | 8-15 | D | HIGH | 0.28 | 16.9 | >78.7 |
| AsB | ARNOT CHANNERY SILT LOAM | 3-8 | D | MODERATE | 0.24 | >78.7 | 16.1 |
| Ca | CANANDAIGUA SILT LOAM | N/A | C/D | HIGH | 0.49 | >78.7 | >78.7 |
| LoC | LORDSTOWN CHANNERY SILT LOAM | 8-15 | С | MODERATE | 0.24 | >78.7 | 24.0 |
| MaC | MARDIN CHANNERY SILT LOAM | 8-15 | D | MODERATE | 0.24 | 16.1 | >78.7 |
| MaD | MARDIN CHANNERY SILT LOAM | 15-25 | D | MODERATE | 0.24 | 16.1 | >78.7 |
| Tu | TULLER CHANNERY SILT LOAM | N/A | D | HIGH | 0.24 | >78.7 | 16.9 |
| VoB | VOLUSIA CHANNERY SILT LOAM | 3–8 | D | HIGH | 0.28 | 16.9 | >78.7 |
| VpB | VOLUSIA AND MORRIS CHANNERY SILT LOAMS | 3-10 | D | HIGH | 0.28 | 16.9 | >78.7 |



| | | | | - | | | | | |
|--------------------------------------|---|--|--------------|----------------|-----------------------------------|------------------------|----------------|---|--|
| | | CONSTITUTION PIPELINE, LLC WETLAND MITIGATION | | | • | | | | |
| | | | | | SITE BR-24: DAVEY-MENDENHALL ROAD | | | | |
| | | | | | GENERAL NOTES | | | | |
| - | - | - | - | - | Kleir | schm | nidt (| 141 Main Street P.O. Box 650 Pittsfield, Maine 04967 Telephone: (207) 487-3328 Fax: (207) 487-3124 | |
| No. | Revision | Date | Drawn | Checked | | | | www.KleinschmidtUSA.com | |
| SERVIC SIGNAT ELECTR PURPOS | OCUMENT IS A DRAFT VERSION PROVIDED FOR THE CONVENIENCE OF THE USER AND IS NOT AN INSTRUMENT OF E OF KLEINSCHMIDT ASSOCIATES UNLESS IT BEARS THE PROFESSIONAL ENGINEER'S STAMP AND ORIGINAL URE. THIS DOCUMENT IS NOT A PRODUCT, AND TRANSFER OF A VERSION OF AN INSTRUMENT OF SERVICE BY IONIC MEDIA IS NOT DEEMED A SALE. THIS DOCUMENT MAY NOT BE ALTERED BY OTHERS OR USED FOR PROJECTS OR SES OTHER THAN THE PROJECT FOR WHICH IT WAS PREPARED, WITHOUT THE EXPRESS WEITER PERMISSION OF CHMIDT ASSOCIATES. | Designed SJC | Drawn SJC | Checked TAK | Project No. 3786-001 | Date Revised 7-31-2014 | Drawing No. | 2 | |



| line # | lanath | Dies etter |
|-----------------|---------|--------------|
| Line # | Length | Direction . |
| <u> </u> | 1158.17 | S88° 46' 04 |
| <i>L2</i> | 634.97 | 50° 27' 32'i |
| <i>L3</i> | 99.26 | N14° 51' 08 |
| <i>L4</i> | 123.77 | S88° 55′ 00 |
| <i>L5</i> | 69.38 | N38° 11' 07 |
| <i>L6</i> | 128.35 | N44° 09' 08 |
| <i>L7</i> | 85.42 | S81° 46′ 31 |
| <i>L8</i> | 18.57 | N40° 28' 00 |
| <i>L9</i> | 110.50 | N6° 16' 41' |
| L10 | 51.82 | 569° 17' 08 |
| L11 | 103.35 | N72° 19' 48 |
| L12 | 105.09 | N26° 10' 33 |
| L13 | 80.71 | N87° 41' 32 |
| L14 | 75.69 | N47° 43' 44 |
| L15 | 56.61 | N62° 06' 00 |
| L16 | 54.72 | N3° 36′ 50″ |
| L17 | 74.29 | S69° 55′ 32 |
| L18 | 95.43 | S21° 58' 05 |
| L19 | 89.59 | N33° 41' 07 |
| L20 | 103.95 | 518° 46' 41 |
| L21 | 54.39 | S53° 53' 57 |
| L22 | 77.95 | S6° 55' 00'1 |
| L23 | 28.63 | 530° 37′ 14′ |
| L24 | 30.70 | S59° 45' 42 |
| L25 | 106.78 | S39° 21' 09 |
| L26 | 14.24 | N62° 50' 02 |
| L27 | 74.07 | N23° 05' 45 |
| L28 | 127.51 | N22° 04' 51 |
| L29 | 12.36 | S12° 52′ 58 |
| L30 | 77.69 | 54° 40′ 28″ |
| L31 | 56.13 | 554° 11' 41' |
| | 134.28 | S13° 03' 27 |
| | 164.22 | 56° 06' 12'1 |
| | 105.43 | S2° 44′ 53″2 |
| 2 <i>35</i> | 135.75 | 56° 54′ 38″ |
| L36 | 80.77 | 57° 23′ 04″2 |
| | 36.83 | S57° 18' 43 |
| | 93.31 | 59° 10′ 13″ |
| | 86.59 | S5° 18' 49" |
| | 54.19 | 50° 11′ 59″ |

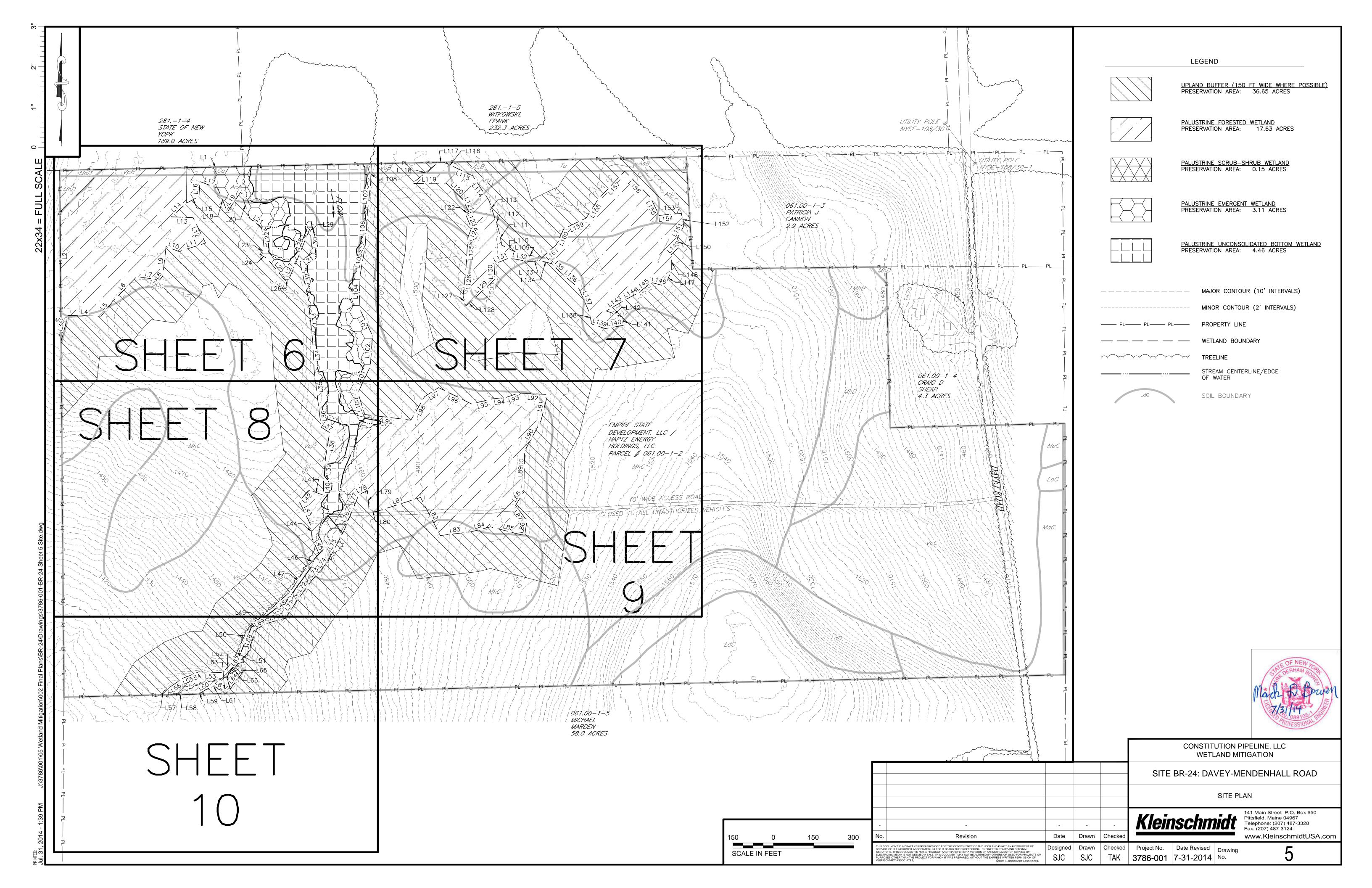
| Wetla | nd Metes | and Bounds |
|-------------|----------|---------------|
| Line # | Length | Direction |
| L41 | 58.00 | N70° 09' 50"V |
| L42 | 55.23 | 539° 40′ 32″V |
| L43 | 93.18 | S25° 54′ 04″2 |
| L44 | 56.23 | S7° 44′ 30″E |
| L45 | 61.59 | S24° 30′ 25″ |
| L46 | 75.96 | S42° 45′ 35″V |
| L47 | 101.63 | 533° 37′ 36″V |
| L48 | 114.69 | 548° 26′ 17″V |
| L49 | 90.70 | 549° 43′ 12″V |
| <i>L50</i> | 66.26 | 526° 01′ 28″V |
| L51 | 70.54 | S24° 18′ 57″V |
| L52 | 55.57 | 540° 44′ 44″V |
| L53 | 91.04 | N88° 25' 35"V |
| L54 | 33.67 | S67° 01' 38"V |
| L55 | 27.15 | S69° 21′ 34″V |
| L56 | 85.54 | S56° 14′ 10″V |
| L57 | 18.12 | 532° 19′ 16″V |
| L58 | 138.46 | N88° 43' 27"[|
| L <i>59</i> | 6.20 | N52° 27' 13"[|
| L60 | 48.98 | N60° 00' 11" |
| L61 | 17.46 | S83° 13′ 31″L |
| L62 | 12.60 | S47° 34′ 13″L |
| L63 | 42.82 | N87° 27' 24"[|
| L64 | 75.55 | N37° 14' 12"[|
| L65 | 19.44 | N21° 08' 21"V |
| L66 | 47.78 | 560° 45′ 24″V |
| L67 | 104.19 | N40° 45' 05"[|
| L68 | 93.89 | N20° 18' 05"[|
| L69 | 42.46 | N60° 27' 52" |
| L70 | 72.85 | N74° 37' 12"[|
| L71 | 91.72 | N33° 53' 50" |
| L72 | 79.51 | N35° 51' 44"I |
| L73 | 53.90 | N42° 59' 18"I |
| L74 | 45.25 | N35° 21' 11" |
| L75 | 115.48 | N28° 03' 26"1 |
| L76 | 113.99 | N22° 43' 48"I |
| L77 | 38.61 | N21° 32′ 32″ |
| L78 | 35.26 | N66° 16' 12" |
| L79 | 73.64 | S4° 25' 40"E |
| | 28.19 | S82° 27' 32"[|

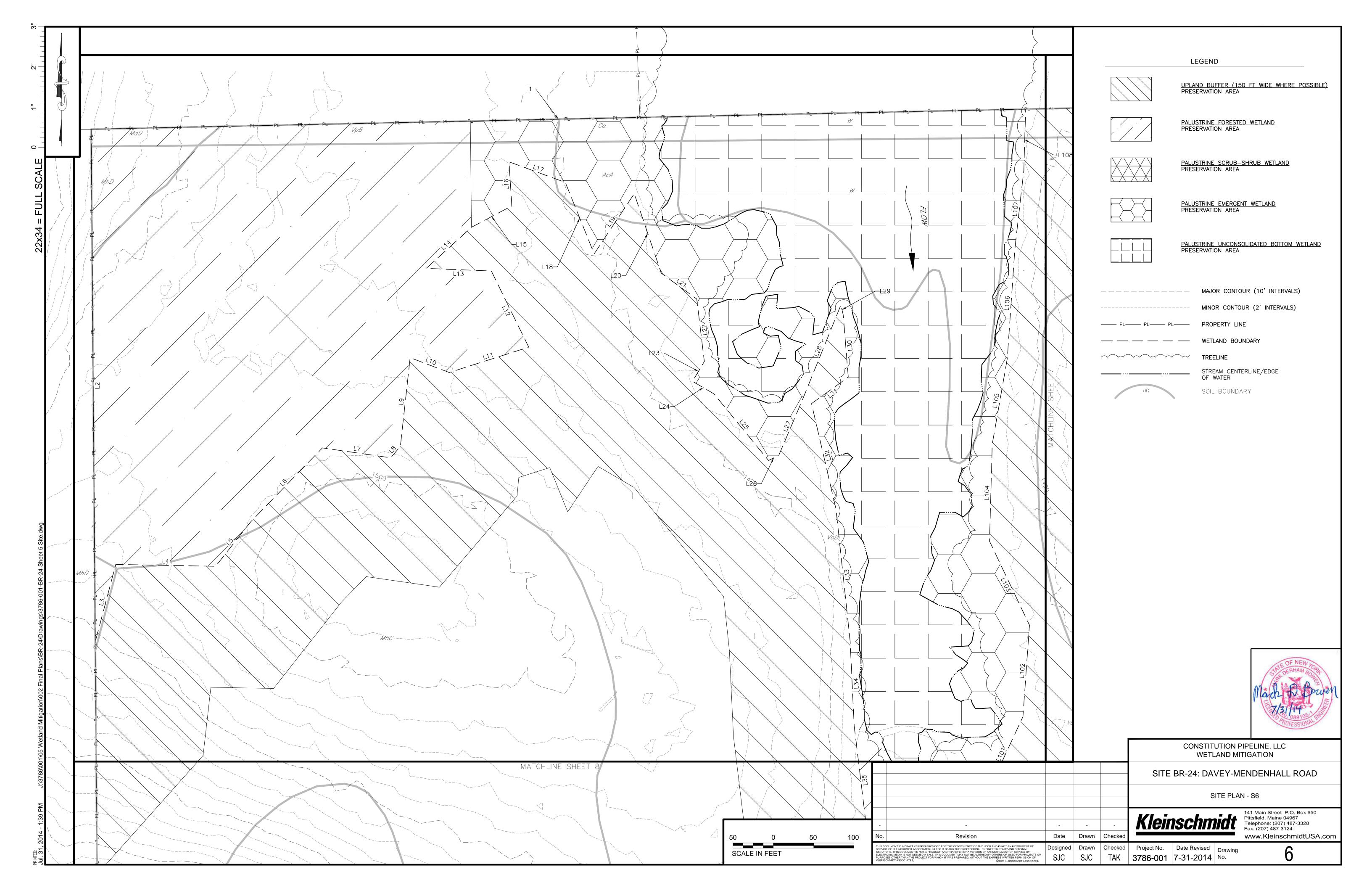
| Wetla | and Metes | and Bounds |
|------------|-----------|---------------|
| ine # | Length | Direction |
| | 171.76 | N72° 21' 48"E |
| L82 | 159.12 | S27° 21' 47"F |
| L83 | 113.74 | N83° 14' 20"E |
| L84 | 76.24 | N75° 43' 58"E |
| L85 | 131.16 | S75° 31' 55"E |
| L86 | 55.81 | N8° 36' 54"E |
| L87 | 71.40 | N36° 23' 02"W |
| L88 | 59.30 | N31° 41' 25"E |
| L89 | 150.23 | NO° 46' 53"E |
| L90 | 129.04 | N28° 20' 59"E |
| | | |
| L91 102 | 100.45 | N14° 06' 02"E |
| L92 103 | 107.65 | N86° 57' 53"W |
| L93 | 48.38 | S70° 46′ 26″W |
| L94 | 53.31 | S83° 41′ 58″W |
| L95 | 79.01 | S76° 10' 29"W |
| <i>L96</i> | 136.13 | N63° 24' 55"W |
| L97 | 62.49 | S57° 17' 57"W |
| L98 | 101.04 | S30° 17' 34"W |
| <i>L99</i> | 172.51 | N83° 00' 41"W |
| 100 | 84.45 | N17° 28' 05"W |
| 101 | 108.77 | N24° 58' 27"E |
| 102 | 113.79 | N4° 03′ 45″E |
| 103 | 115.11 | N25° 27′ 33″W |
| 104 | 120.16 | N1° 36′ 21″E |
| 105 | 107.98 | N9° 57′ 38″E |
| 106 | 136.47 | N3° 57' 12″E |
| 107 | 97.41 | N6° 31' 40"E |
| 108 | 75.82 | N1° 42' 26"E |
| 109 | 89.22 | N80° 52' 27"W |
| 110 | 68.87 | N63° 03' 02"W |
| 1111 | 56.25 | N11° 44' 36"W |
| 1112 | 57.88 | N18° 04' 42"W |
| 1113 | 57.88 | N18° 04' 42"W |
| 1114 | 110.76 | N33° 25' 41"W |
| 115 | 66.88 | N64° 20' 23"W |
| 116 | 52.97 | N65° 45' 05"W |
| 117 | 19.34 | S88° 46' 04"W |
| .118 | 124.96 | S50° 53′ 16″W |
| .119 | 126.42 | N89° 21' 07"E |
| - | · · - | |

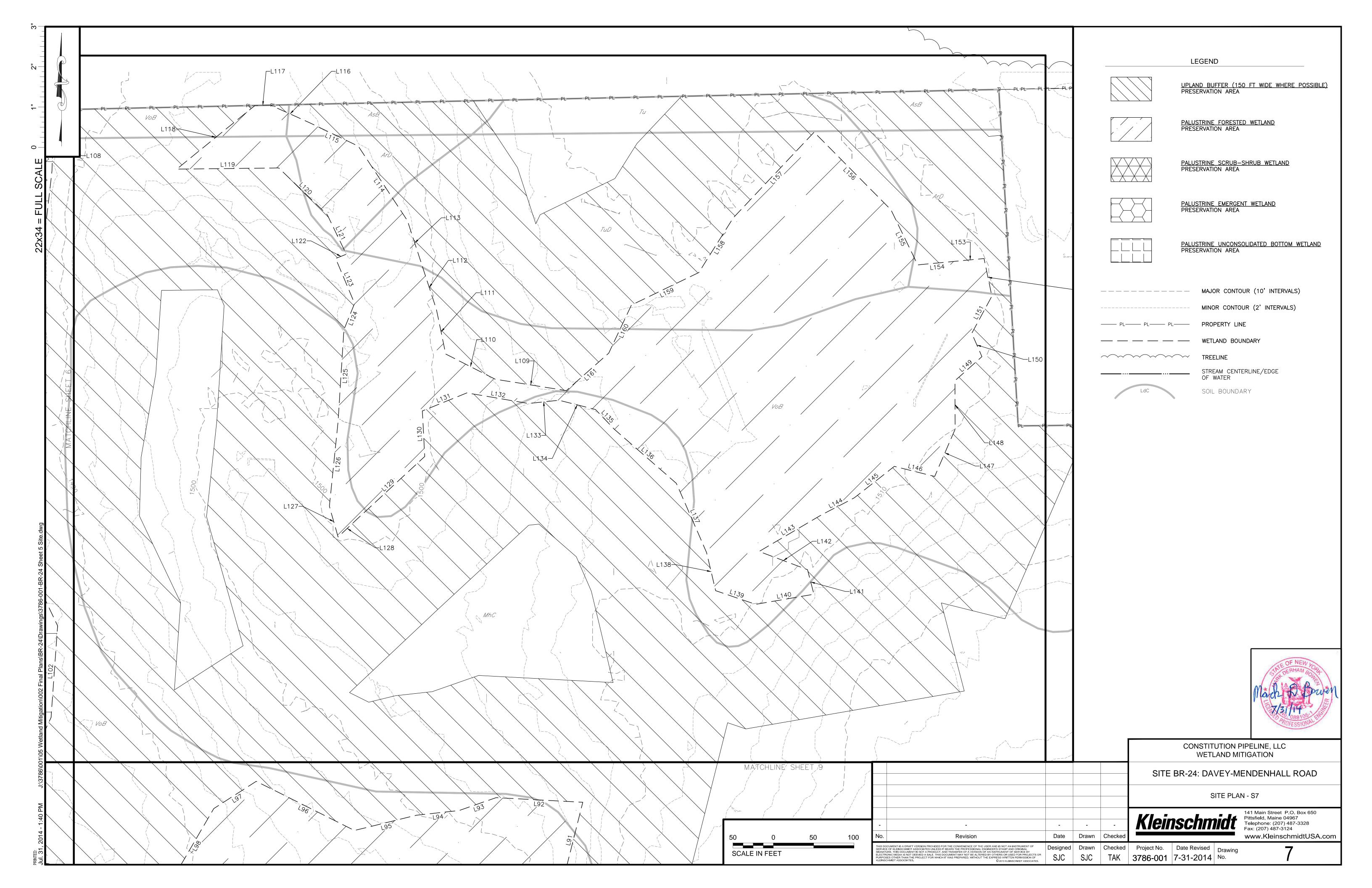
| Wetland Metes and Boun | | | | | | | | |
|------------------------|--------|---------------|--|--|--|--|--|--|
| Line # | Length | Direction | | | | | | |
| L161 | 70.15 | S48° 31' 57"W | | | | | | |

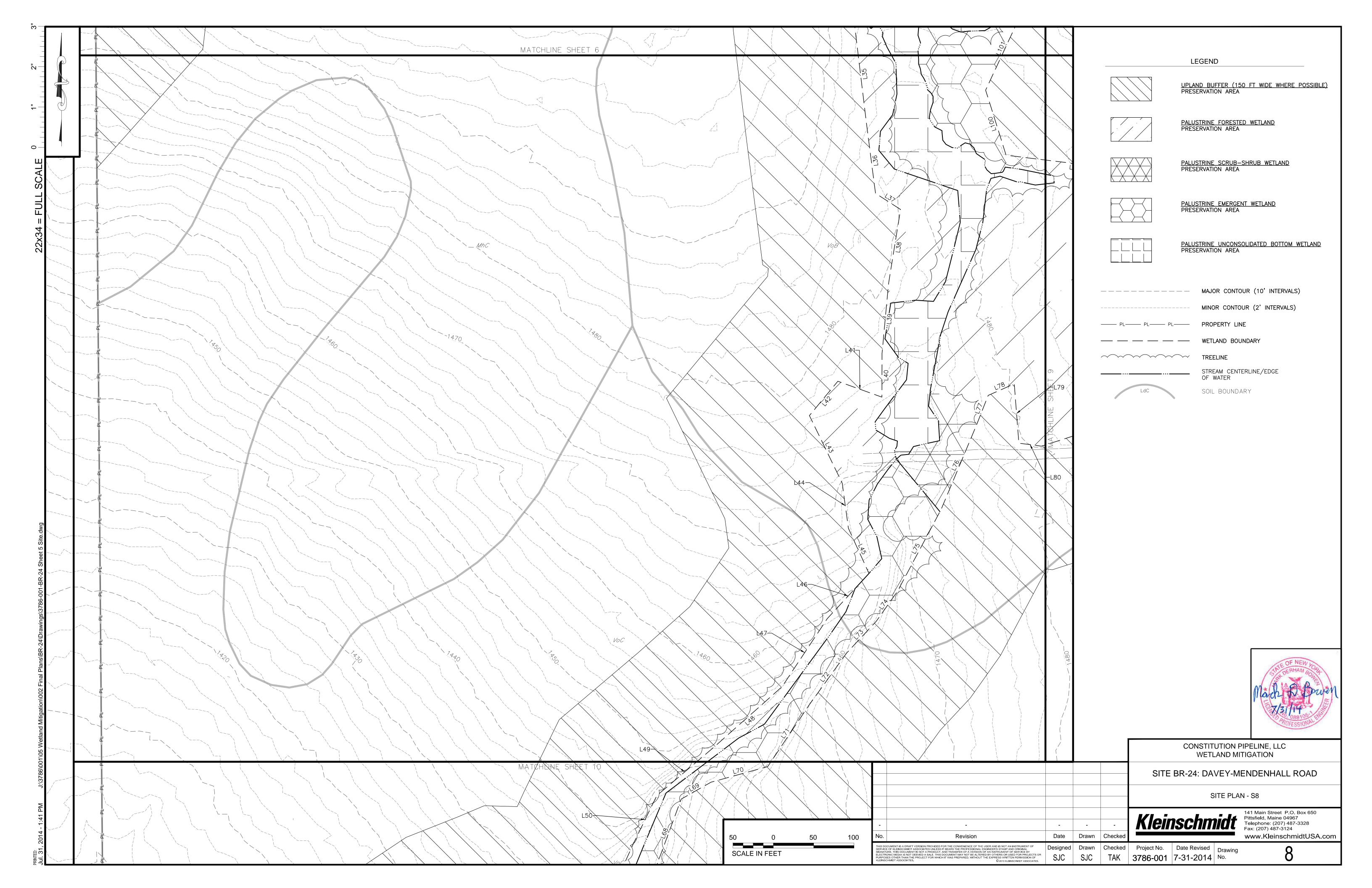


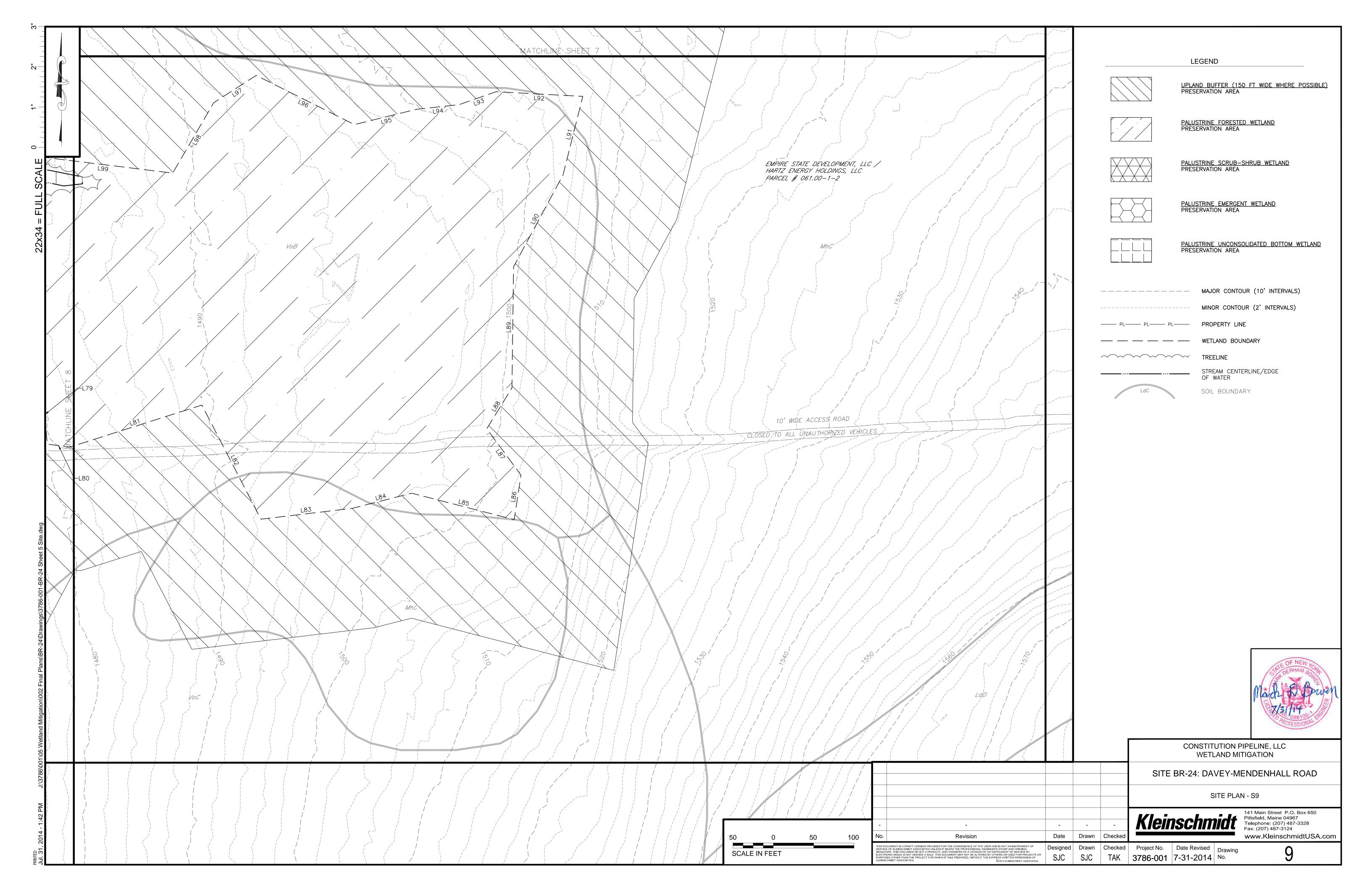
| | | CONSTITUTION PIPELINE, LLC WETLAND MITIGATION | | | | | | |
|------------------|---|---|-----------------------|---------------------------|-----------------------------------|-------------------------------|----------------|--|
| | | | | | SITE BR-24: DAVEY-MENDENHALL ROAD | | | |
| | | | | | WETLANDS METES AND BOUNDS TABLES | | | |
| - | - | - | - | - | Kleir | <i>ischm</i> | <u>idt</u> | 141 Main Street P.O. Box 650 Pittsfield, Maine 04967 Telephone: (207) 487-3328 Fax: (207) 487-3124 |
| ELECTR PURPOS | Revision COUMENT IS A DRAFT VERSION PROVIDED FOR THE CONVENIENCE OF THE USER AND IS NOT AN INSTRUMENT OF BE OF KLEINSCHMIDT ASSOCIATES UNLESS IT BEARS THE PROFESSIONAL ENGINEER'S STAMP AND ORIGINAL UNDER THIS DOCUMENT IS NOT A PRODUCT, AND TRANSFER OF A VERSION OF AN INSTRUMENT OF SERVICE BY UNDER STRUMENT OF SERVICE BY ORIGINAL WITHOUT THE PROJECT FOR WHICH IT WAS PREPARED, WITHOUT THE EXPRESS WRITTEN PERMISSION OF CHMIDT ASSOCIATES. | Date Designed SJC | Drawn Drawn SJC | Checked Checked TAK | Project No. 3786-001 | Date Revised 7-31-2014 | Drawing No. | www.KleinschmidtUSA.com |

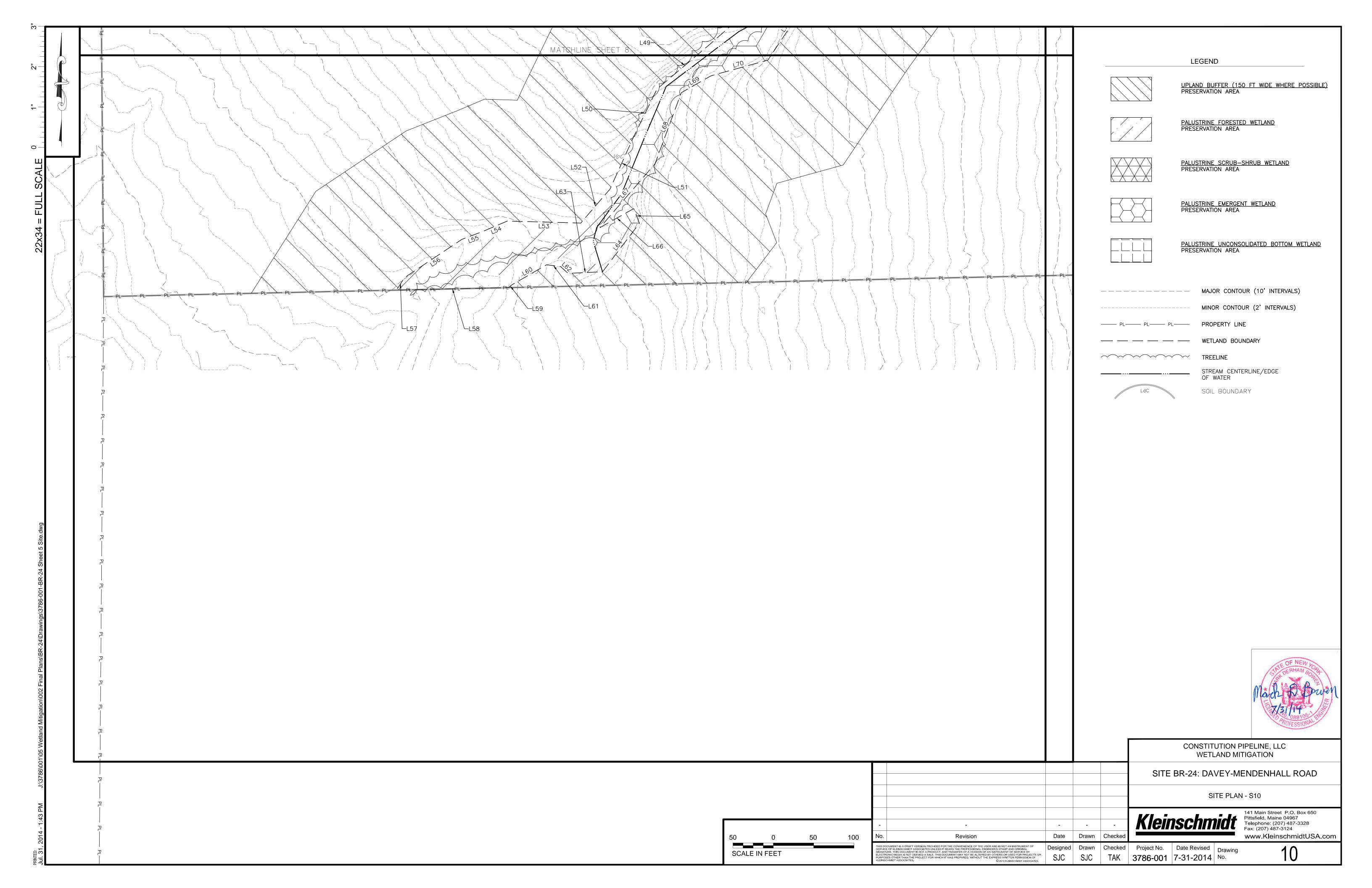


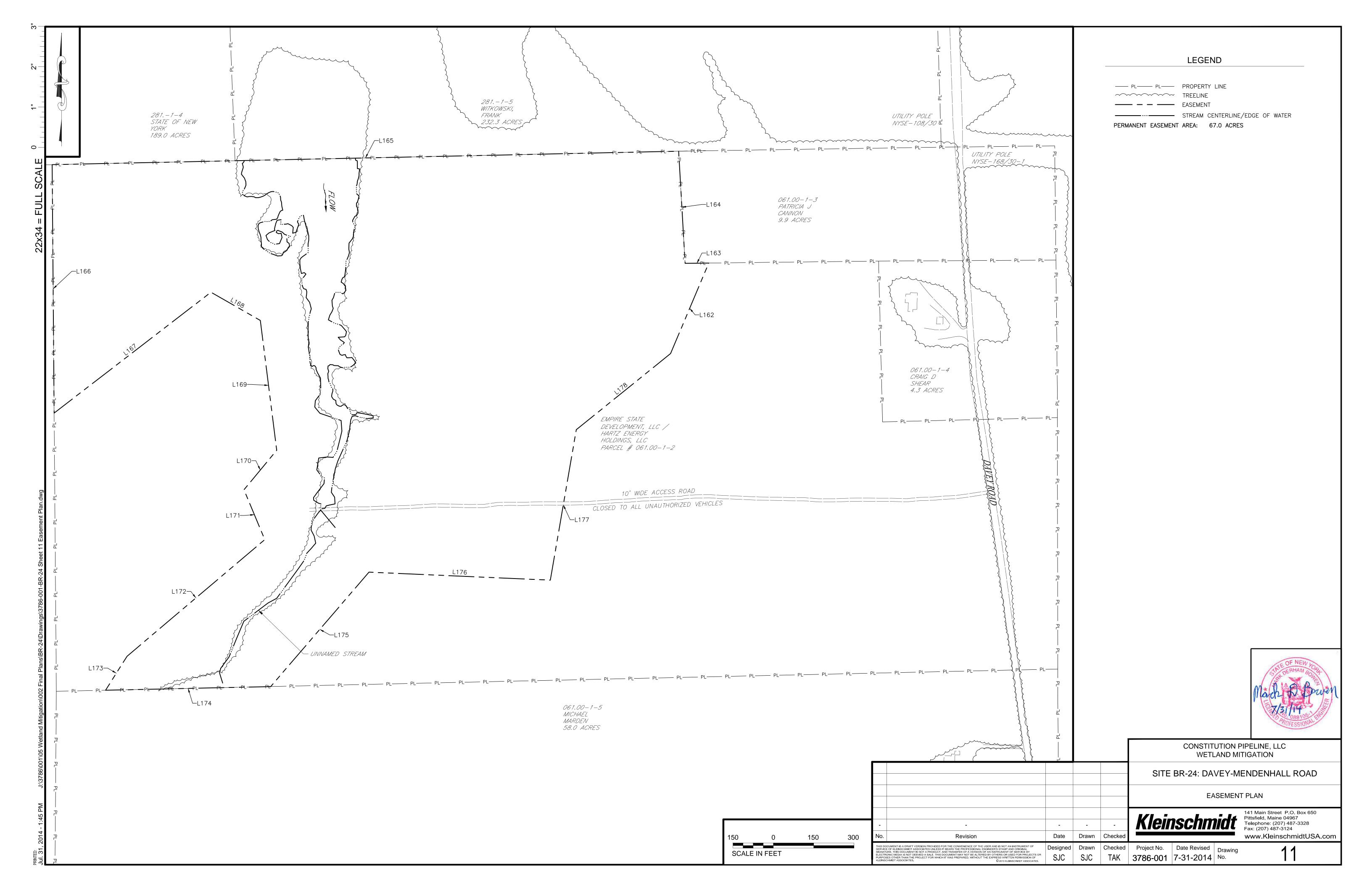












| Line # | Length | 0 |
|--------|----------|---------------|
| | _ | Direction |
| L162 | 365.08' | N22° 52′ 37″E |
| L163 | 88.01° | S89° 20′ 14″W |
| L164 | 417.31' | N3° 17′ 35″W |
| L165 | 2329.21' | S88° 46′ 13″W |
| L166 | 923.03' | S0° 26′ 46″E |
| L167 | 735.89' | N52° 24' 09"E |
| L168 | 211.40' | S60° 14′ 45″E |
| L169 | 486.19° | S7° 11′ 09″E |
| L170 | 190.57 | 539° 40′ 32″W |
| L171 | 200.87' | S22° 39′ 08″E |
| L172 | 670.73' | S49° 45′ 08″W |
| L173 | 149.55 | S32° 19′ 16″W |
| L174 | 613.85' | N88° 43′ 35″E |
| L175 | 560.76 | N40° 40′ 49″E |
| L176 | 674.65' | S87° 28′ 37″E |
| L177 | 567.21' | N9° 48' 05"E |
| L178 | 450.51' | N51° 05′ 20″E |



| | | CONSTITUTION PIPELINE, LLC WETLAND MITIGATION | | | | | | |
|-----|--|--|--------------|---------|--|--------------|----------------|---|
| | | | | | SITE BR-24: DAVEY-MENDENHALL ROAD | | | |
| | | | | | CONSERVATION EASEMENT METES AND BOUNDS TABLE | | | |
| - | - | - | <u>-</u> | - | Klein | <i>ischm</i> | <u>idt</u> | 141 Main Street P.O. Box 650 Pittsfield, Maine 04967 Telephone: (207) 487-3328 Fax: (207) 487-3124 |
| No. | Revision | Date | Drawn | Checked | | | | www.KleinschmidtUSA.com |
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