



Appendix C.

Wetlands and Waterways Delineation Report



McFarland Johnson

WETLAND DELINEATION REPORT

**MASTER PLAN UPDATE
SARATOGA COUNTY AIRPORT
BALLSTON SPA, SARATOGA COUNTY, NEW YORK**

August 2013

Prepared For:

**Saratoga County
Department of Public Works
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1 PROJECT BACKGROUND

1.1 INTRODUCTION

McFarland Johnson, Inc. (MJ) was contracted by Saratoga County to conduct a wetland delineation as part of the Master Plan Update (MPU) for Saratoga County Airport (Airport). The Airport is a county-owned general aviation airport located in the Town of Milton, Saratoga County, New York (Figure 1).

1.2 PROJECT DESCRIPTION

The Airport MPU is a comprehensive study that describes the short-, medium-, and long-term development plans to meet the future aviation demands of the airport. In developing the Airport MPU, consideration was given to the potential environmental impacts of potential future development at the airport. This report was prepared to assist in creating development alternatives that had the least environmental impacts to wetlands.

2 METHODS

2.1 AGENCY RESOURCE INFORMATION

Prior to the field survey of Airport, aerial photographs and various mapping resources were reviewed. The mapping resources included:

- a) United States Geological Survey (USGS) Topographic Map (Saratoga Springs USGS 7.5 Minute Quadrangle), Appendix A- Figure 1.
- b) New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands Map, Appendix A - Figure 2.
- c) United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) Map, Appendix A- Figure 3.
- d) Federal Emergency Management Agency (FEMA) Floodplain Map (FEMA Map Service Center, Appendix A- Figure 4.
- e) Natural Resource Conservation Service (NRCS) Soils Map, Appendix A- Figure 5.

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2.2 FIELD DATA COLLECTION

Wetland delineations were completed by MJ during site visits on April 25 and 26, 2013. The Project Study Area (PSA) covered by this wetland delineation report is the Airport property boundaries. The wetland delineation was conducted through field investigations of vegetation, soils and hydrology in accordance with the 1987 *USACE Wetlands Delineation Manual* (1987 USACE Manual) and 2012 *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region* (2012 Regional Supplement). In the vicinity of those areas where NYSDEC Freshwater Wetlands were mapped, the 1995 *New York State Freshwater Wetlands Delineation Manual* (1995 NYSDEC Manual) was also consulted.

Surveyor's flags were placed along the wetland boundaries based on observations of vegetation, hydric soil indicators, and hydrology conditions. The wetland and waterway boundaries were surveyed using a hand held Trimble GPS Pathfinder ProXH receiver with H-Star technology with decimeter (10 cm/ 4 inch) post processing accuracy. USACE Wetland Determination Forms and wetland photographs were also compiled. Further descriptions on the field criteria and methods used to identify wetlands within the project study area are described in the subsequent subsections.

2.2.1 WETLANDS

The 1987 USACE and 1995 NYSDEC Wetland Delineation Manuals are generally similar in methodologies for delineating wetland boundaries, however the 1995 NYSDEC Manual is more conservative. The 1995 NYSDEC Manual states that if an area meets a set of specific hydrophytic vegetation criteria, then the area can be considered a wetland without detailed investigation of hydrology and soils.

Hydrophytes are plants that are especially adapted to survive in wet soil conditions in predominantly anaerobic conditions. The 2012 *National List of Plant Species That Occur in Wetlands* assigns individual species to specific indicator statuses based on their probability to occur in wetlands or uplands. Further information on the specific indicator statuses is provided below.

Indicator Code	Indicator Status	Comment
OBL	Obligate Wetland	Almost always is a hydrophyte, rarely in uplands
FACW	Facultative Wetland	Usually is a hydrophyte but occasionally found in uplands
FAC	Facultative	Commonly occurs as either a hydrophyte or non-hydrophyte
FACU	Facultative Upland	Occasionally is a hydrophyte but usually occurs in uplands
UPL	Obligate Upland	Rarely is a hydrophyte, almost always in uplands

A species is considered hydrophytic if it listed as FAC, FACW or OBL.

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2.2.1.1 1995 NYSDEC Manual

The 1995 NYSDEC Manual considers an area to be a wetland without detailed investigation of hydrology and soils if the following hydrophytic vegetation criteria are met:

- (1) FACW or wetter species comprise more than 50 percent of the dominant species of the plant community and no FACU or UPL species are dominant, or;
- (2) OBL perennial species collectively represent at least 10 percent aerial cover in the plant community and are evenly distributed throughout the community and not restricted to depressional microsites, or;
- (3) One or more dominant plant species in the community has one or more of the following morphological adaptations: hypertrophied lenticels, buttressed stems or trunks, multiple trunks, adventitious roots, shallow root systems, or other locally applicable adaptation, or;
- (4) The presence of unbroken expanses of peat mosses (*Sphagnum* spp.) and other regionally applicable species of bryophytes over persistently saturated soil.

If none of the aforementioned vegetation criteria are met, but more than 50 percent of the dominant species of all strata are FAC or some combination of FAC and wetter species; then an investigation and verification of hydrology and/or hydric soils is required to define the wetland boundary. At this point, the methodologies of the two manuals for identifying wetland boundaries are generally consistent.

2.2.1.2 1987 USACE Manual and 2012 Regional Supplement

The 2012 Regional Supplement uses several tests, as needed, to analyze the primacy of hydrophytes in data collection plots based on plant species absolute percent covers, dominance, and morphological adaptations. Further information on these tests is provided below.

- Rapid Test – Hydrophytic dominance is confirmed when all dominant species across all strata are OBL or FACW. Dominant plant species are determined by ranking species within a stratum based on their absolute percent cover as individuals, and then selecting those species in decreasing order who as individuals, or cumulatively, immediately exceed 50% of the total absolute cover by all species in that stratum. Those species whose absolute percent cover individually exceed 20% of the total absolute cover by all species in that stratum are also considered dominants.

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- Dominance Test – Hydrophytic primacy is confirmed when greater than 50% of the dominant plants across all strata are OBL, FACW or FAC. Dominant plant species are determined by ranking species within a stratum based on their absolute percent cover as individuals, and then selecting those species in decreasing order who as individuals or cumulatively immediately exceed 50% of the total absolute cover by all species in that stratum. Those species whose absolute percent cover individually exceed 20% of the total absolute cover by all species in that stratum are also considered dominants.
- Prevalence Test – Hydrophytic primacy is confirmed when the plot-based prevalence index is greater than 3.0. The prevalence index is calculated based on a weighted-average wetland indicator status of all species identified within a plot location. Dominant plant species are determined by a weighted average. Plants are given a numeric value based on the indicator status and abundance in the collection plot area. To meet the dominance category, the weighted average must be equal to or below 3.0.
- Morphological Adaptations – Hydrophytic primacy is confirmed if upon indicator status reassignment and primacy is satisfied through reevaluation via the Dominance Test or Prevalence Test. If more than 50% of a FACU species located in an area exhibit morphological adaptations such as shallow root systems, adventitious roots, hypertrophied lenticels, multi-stemmed trunks due to prolonged soil inundation or saturation, then this species is reassigned as a FAC species, and the Dominance Test and Prevalence Test are recalculated.

The 1987 USACE Manual and 2012 Regional Supplement require permanent inundation, sufficient periodic inundation, or soil saturation within 12 inches of the soil surface during the growing season to meet the criteria of wetland hydrology. Since wetland evaluations are comparatively brief, hydrology evaluations utilize primary and/ or secondary indicators that are readily visible during a site assessment. The 2012 Regional Supplement has established that a minimum of one primary indicator or two secondary indicators are required to meet the hydrology criterion. The listing primary and secondary indicators established in the 2012 Regional Supplement follows.

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Primary field indicators for hydrology include:

- Surface Water
- High Water Table
- Saturations
- Water Marks
- Sediment Deposits
- Drift Deposits
- Algal Mat of Crust
- Iron Deposits
- Inundation Visible on Aerial Imagery
- Sparsely Vegetated Concave Surfaces
- Water Stained Leaves
- Aquatic Fauna
- Marl Deposits
- Hydrogen Sulfide Odor
- Oxidized Rhizospheres of Live Roots
- Reduced Iron Spots
- Recent Iron Reduction in Tilled Soils
- Thin Muck Surface
- Other (Explain)

Secondary hydrological indicators include:

- Surface Soil Cracks
- Drainage Patterns
- Moss Trim Lines
- Dry-Season Water Table
- Crayfish Burrows
- Saturation Visible on Aerial Imagery
- Stunted or Stressed Plants
- Geomorphic Position
- Shallow Aquitard
- Microtopographic Relief
- FAC-Neutral Test

The 1987 USACE Manual and 2012 Regional Supplement indicate that hydric soils are those that exhibit certain characteristic morphologies as the result from repeated periods of saturation or inundation for extended periods of time. These morphological characteristics persist during saturated and unsaturated conditions and can serve in identifying hydric soils in the field. Evidence of hydric soils was determined in the field through soil test pits dug to a depth of 16 inches below grade or to a depth as subsurface conditions allowed. The soil stratum were then described in form of texture, saturation, matrix color, and redox features. The soil descriptions were then compared to the most current version of the USDA NRCS publication *Field Indicators of Hydric Soils in the United States* for determination of the presence of a hydric soil.

3 RESULTS

3.1 AGENCY RESOURCES INFORMATION

Review of the USGS mapping did not indicate the potential presence of any wetlands or waterways at Airport (Appendix A- Figure 1).

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Review of the NYSDEC Freshwater Wetlands Map indicated that NYSDEC Freshwater Wetland S-18, a Class IV Wetland, is mapped near the northwest corner of the airport (Appendix A- Figure 2).

The NWI mapping indicates potential wetland areas that were identified by the US Fish and Wildlife Service (USFWS) using aerial photography. These maps do not have any regulatory consequence, but rather indicate areas that may meet federal wetland criteria. The NWI mapping did not indicate the potential presence of any wetlands or waterways in the PSA (Appendix A- Figure 3).

Based on soils information provided by the NRCS, the PSA had two small areas mapped with soil that is considered to be partially hydric (Appendix A- Figure 4). The mapped partially hydric soil was Deerfield loamy fine sand (DeA).

3.2 WETLANDS

A total of six wetlands, hereafter referred to alphabetically as Wetland A through Wetland F, were delineated at SCA.

Based on the U.S. Fish and Wildlife Service (USFWS) 1979 publication *Classification of Wetlands and Deepwater Habitats of the United States*, all six wetlands are considered to be palustrine emergent wetlands (PEM). The Wetlands and Waterways Delineation Plan is included in Appendix B. Wetland datasheets are included in Appendix C and wetland photographs are provided in Appendix D.

Feature I.D.	Feature Type	Acreage	NYSDEC Jurisdiction	USACE Jurisdiction
Wetland A	PEM	0.07	No	No
Wetland B	PEM	0.81	No	No
Wetland C	PEM	0.18	No	No
Wetland D	PEM	0.04	No	No
Wetland E	PEM	0.05	No	No
Wetland F	PEM	0.04	No	No

3.2.1 NYSDEC JURISDICTION

As previously stated, review of the NYSDEC Freshwater Wetlands Map indicated that NYSDEC Freshwater Wetland S-18, a Class IV Wetland, is mapped near the northwest corner of Saratoga County Airport. Based on field reconnaissance of the general vicinity and offset survey data collected from airport property, it is believed that NYSDEC

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Freshwater Wetland S-18 occurs off airport property. Although Wetlands D, E, and F were delineated on airport property, and within the area mapped as NYSDEC Freshwater Wetland S-18, these wetlands are small isolated wetlands. Wetlands D and F are located within 50 linear feet from what is believed to be the true boundary of NYSDEC Freshwater Wetland S-18, while Wetland E is not. It is believed that Wetlands D, E, and F do not, collectively or individually, function as a unit with, nor do they significantly contribute to the ability of NYSDEC Freshwater Wetland S-18 in providing the wetland benefits listed in paragraphs (a), (b), (c), (e), (f), and (i) of Section 0105-7 of Article 24 of the ECL. Based on this assessment, it is believed that none of the six delineated wetlands on airport property are subject to NYSDEC jurisdiction under Article 24 of the ECL.

3.2.2 USACE JURISDICTION

Wetland A

Wetland A is dominated by woolgrass (*Scirpus cyperinus*). Hydrological conditions B10- Drainage Patterns and D2- Geomorphic Position were observed in Wetland A. The soils map shows the area of Wetland A mapped as WhA- Windsor loamy sand (nearly level), a non-hydric soil. Observed soils within Wetland A consisted of 10YR 3/2 loamy fine sand to a depth of 5.5 inches overlain a 2.5Y 5/3 loamy fine sand with 2% 7.5YR 4/6 redox concentrations to a depth of 9 inches. The soil layer from 9 to 11 inches consisted of 2.5Y 5/3 loamy fine sand with 20% 10YR 3/1 organic streaking, and from 11 to 16 inches consisted of 10YR 4/3 loamy fine sand. Based on this information, the soils within Wetland A meet the 2012 Regional Supplement hydric soils indicator S6- Stripped Matrix.

No wetland or other aquatic-dependent fauna were observed in Wetland A during the site visits conducted by MJ.

Wetland A is a closed depressional wetland with no significant nexus with a traditionally navigable waterway (TNW), and therefore it is assumed that Wetland A is not subject to USACE jurisdiction under Section 404 of the Clean Water Act.

Wetland B

Wetland B is dominated by woolgrass. Hydrological conditions B7- Inundation Visible on Aerial Imagery, B10- Drainage Patterns, and D2- Geomorphic Position were observed within Wetland B. Wetland B is mapped as Deerfield loamy fine sand- nearly level (DeA), a partially hydric soil. Observed soils within the wetland consisted of 10YR 3/4 loamy fine sand to a depth of 1 inch overlain a 10YR 2/1 loamy fine sand with 7% 10YR 3/3 redox concentrations to a depth of 16 inches. Based on this information, the soils within Wetland B meet the 2012 Regional Supplement hydric soils indicator S5- Sandy Redox.

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No wetland or other aquatic-dependent fauna were observed in Wetland B during the site visits conducted by MJ.

Wetland B is a closed depressional wetland with no significant nexus with a TNW, and therefore it is believed that Wetland B is not subject to USACE jurisdiction under Section 404 of the Clean Water Act.

Wetland C

Wetland C is dominated by path rush (*Juncus tenuis*). Hydrological conditions A2- High Water Table, A3- Saturation, B1- Watermarks, B7- Inundation Visible on Aerial Imagery, B10- Drainage Patterns, and D2- Geomorphic Position were observed in Wetland C. Wetland C is mapped as WhA- Windsor loamy sand (nearly level), a non-hydric soil. Observed soils within the wetland consisted of 10YR 3/2 loamy fine sand to a depth of 1 inch overlain a 2.5YR 4/2 loamy fine sand with 2% 5YR 4/6 redox concentrations to a depth of 16 inches. Based on this information, the soils within Wetland C meet the 2012 Regional Supplement hydric soils indicator S5- Sandy Redox.

Red-spotted newt (*Notophthalmus v. viridescens*) adults and eggs were where observed in Wetland C during the site visits conducted by MJ.

Wetland C is an excavated closed depressional wetland with no significant nexus with a TNW, and therefore it is assumed that Wetland C is not subject to USACE jurisdiction under Section 404 of the Clean Water Act.

Wetland D

Wetland D is dominated by sedges (*Carex* sp.), soft rush (*Juncus effusus*), and woolgrass. Hydrological conditions C9- Saturation Visible on Aerial Imagery, B10- Drainage Patterns, and D2- Geomorphic Position were observed in Wetland D. Wetland D is mapped as Scio silt loam (0-3% slopes), a non-hydric soil. Observed soils within the wetland consisted of 10YR 2/1 loamy fine sand with 2% 5YR 3/4 redox concentrations to a depth of 11 inches. The soil layer from 11 to 16 inches consisted of 10YR 5/2 loamy fine sand with 3% 7.5YR 3/4 redox concentrations. Based on this information, the soils within Wetland D meet the 2012 Regional Supplement hydric soils indicators S5- Sandy Redox and S7- Dark Surface.

No wetland or other aquatic-dependent fauna were observed in Wetland D during the site visits conducted by MJ.

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Wetland D is a closed depressional wetland, with no discernible hydrological connection to a TNW. Based on this information, it is believed that Wetland D is not subject to USACE jurisdiction under Section 404 of the Clean Water Act.

Wetland E

Wetland E is dominated by woolgrass and sedges. Hydrological conditions B10- Drainage Patterns, C9- Saturation Visible on Aerial Imagery, and D2- Geomorphic Position were observed in Wetland E. Wetland E is mapped as Scio silt loam (0-3% slopes), a non-hydric soil. Observed soils within the wetland consisted of 10YR 2/1 loamy fine sand with 10% 5YR 3/4 to a depth of 11 inches overlain a 10YR 4/3 loamy fine sand with 3% 10YR 4/3 redox concentrations to a depth of 16 inches. Based on this information, the soils within Wetland E meet the 2012 Regional Supplement hydric soils indicators S5- Sandy Redox and S7- Dark Surface.

No wetland or other aquatic-dependent fauna were observed in Wetland E during the site visits conducted by McFarland Johnson.

Wetland E is a closed depressional wetland, with no discernible hydrological connection to a TNW. Based on this information, it is inferred that Wetland E is not subject to USACE jurisdiction under Section 404 of the Clean Water Act.

Wetland F

Wetland F is dominated by sedges and redtop (*Agrostis gigantea*). Hydrological conditions B10- Drainage Patterns, C9- Saturation Visible on Aerial Imagery, and D2- Geomorphic Position were observed in Wetland F. Wetland F is mapped as Scio silt loam (0-3% slopes), a non-hydric soil. Observed soils within the wetland consisted of 10YR 2/1 loamy fine sand with 5% 5YR 3/4 redox concentrations to a depth of 8.5 inches overlain a 2.5YR 4/3 loamy fine sand with 2% 10YR 4/6 redox concentrations to a depth of 16 inches. Based on this information, the soils within Wetland F meet the 2012 Regional Supplement hydric soils indicators S5- Sandy Redox and S7- Dark Surface.

No wetland or other aquatic-dependent fauna were observed in Wetland F during the site visits conducted by McFarland Johnson.

Wetland F is a closed depressional wetland, with no discernible hydrological connection to a TNW. Based on this information, it is assumed that Wetland F is not subject to USACE jurisdiction under Section 404 of the Clean Water Act.

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4 SUMMARY

Based on the wetland delineations performed by McFarland-Johnson, a total of six wetlands, Wetlands A through F, were identified and delineated within the 527.06 acre PSA. All delineated six wetlands are considered to be PEM wetlands.

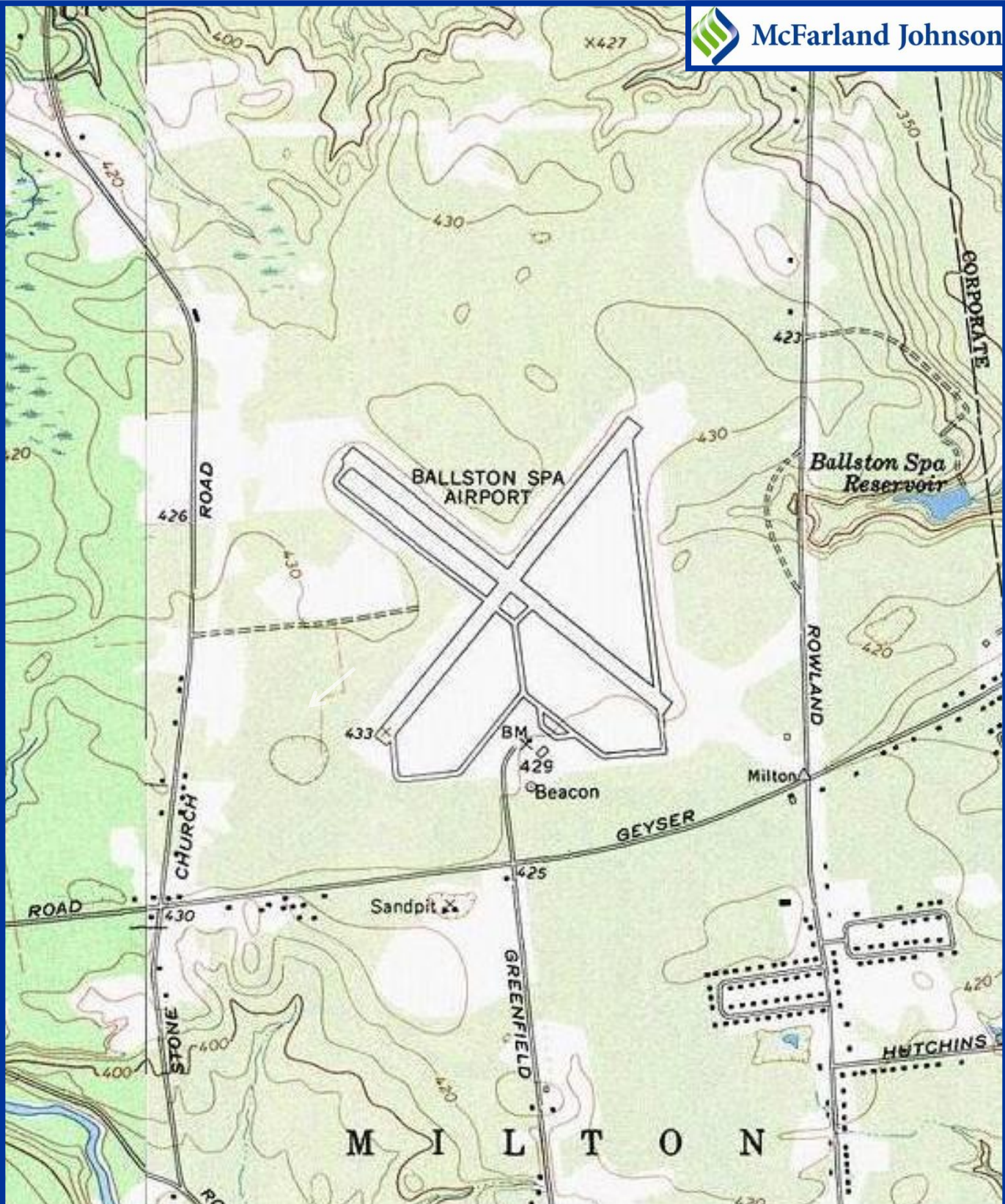
Based on a review of the New York State Freshwater Wetland mapping and site reconnaissance, it is believed that none of the delineated wetlands are regulated by the NYSDEC under Article 24 of the ECL.

It is McFarland Johnson's opinion that Wetlands A through F are closed depressional wetlands, with no discernible hydrological connections to TNWs and are not regulated by the USACE under Section 404 of the CWA.

Confirmation of the Article 24 and Section 404 jurisdictional statuses of these wetlands will need to be confirmed by the USACE and NYSDEC.

Appendix A

Figures



Source:
TOPO!® Version 2.6.9
USGS 1:24,000
Topographical Maps

USGS Topographical Map
Saratoga County Airport
Ballston Spa, Saratoga County, New York

Figure 1



Source:

NYSGIS Clearinghouse,
On-line: <http://gis.ny.gov/>

**NYSDEC Freshwater Wetlands Map
Saratoga County Airport
Ballston Spa, Saratoga County, New York**

Figure 2



Source:

USFWS National Wetlands
Inventory Wetlands Mapper

**NWI Wetlands Map
Saratoga County Airport
Ballston Spa, Saratoga County, New York**

Figure 3



Source:

FEMA Map Service Center,
On-line: <https://msc.fema.gov>

**FEMA Floodplain Map
Saratoga County Airport
Ballston Spa, Saratoga County, New York**

Figure 4



Map Unit Symbol	Map Unit Name	Hydric Rating
DeA	Deerfield loamy fine sand, nearly level	Partially Hydric
SeA	Scio silt loam, 0 to 3 percent slopes	Not Hydric
WnA	Windsor loamy sand, nearly level	Not Hydric
WnB	Windsor loamy sand, undulating	Not Hydric

Source:

NRCS Web Soil Survey, On-line:
<http://websoilsurvey.nrcs.usda.gov/>

NRCS Soils Map
 Saratoga County Airport
 Ballston Spa, Saratoga County, New York

Figure 5

Appendix B

Wetland Delineation Plans

WETLANDS AND WATERWAYS DELINEATION - OVERALL PLAN

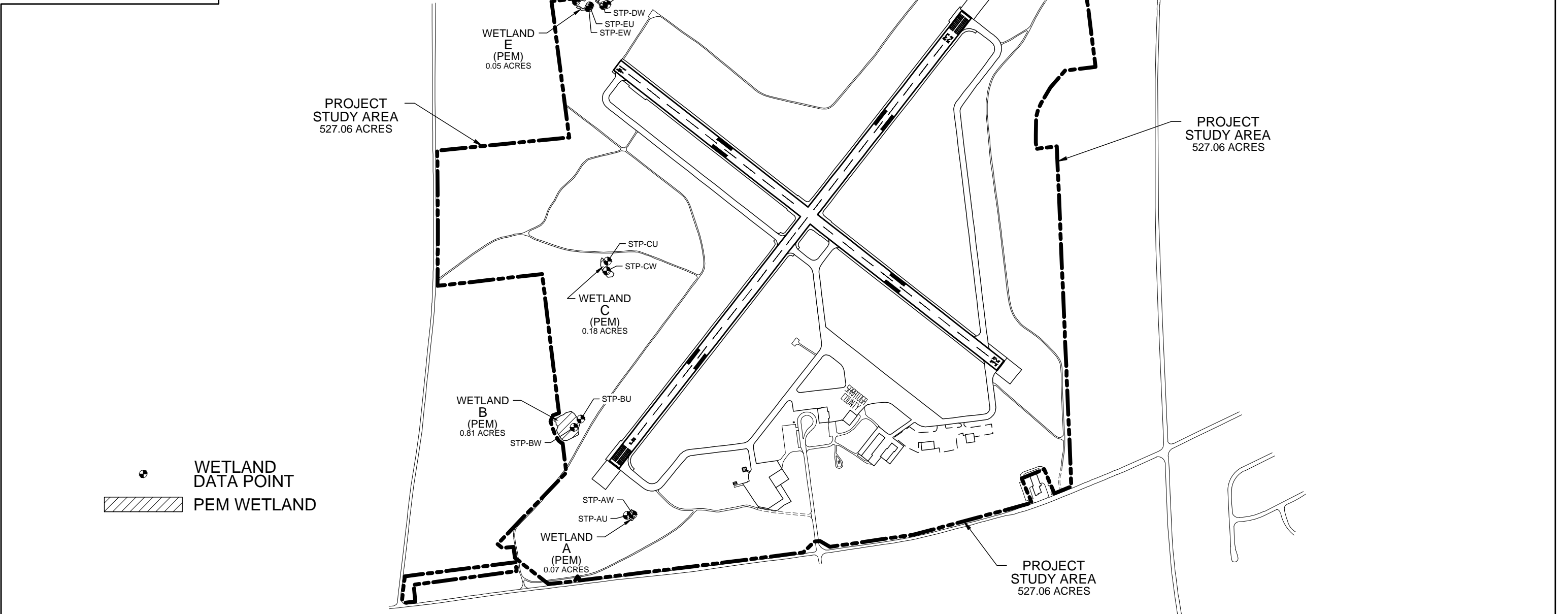
PLAN WDP-1

WETLANDS AND WATERWAYS WITHIN 527.06 ACRE PROJECT STUDY AREA

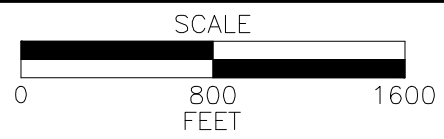
FEATURE ID	FEATURE TYPE	AREA	NYDEC REGULATED	USACE REGULATED
WETLAND A	PEM	0.07 AC	NO	NO
WETLAND B	PEM	0.81 AC	NO	NO
WETLAND C	PEM	0.18 AC	NO	NO
WETLAND D	PEM	0.04 AC	NO	NO
WETLAND E	PEM	0.05 AC	NO	NO
WETLAND F	PEM	0.04 AC	NO	NO

NYSDEC REGULATED WETLAND ADJACENT AREA WITHIN 527.06 ACRE PROJECT STUDY AREA

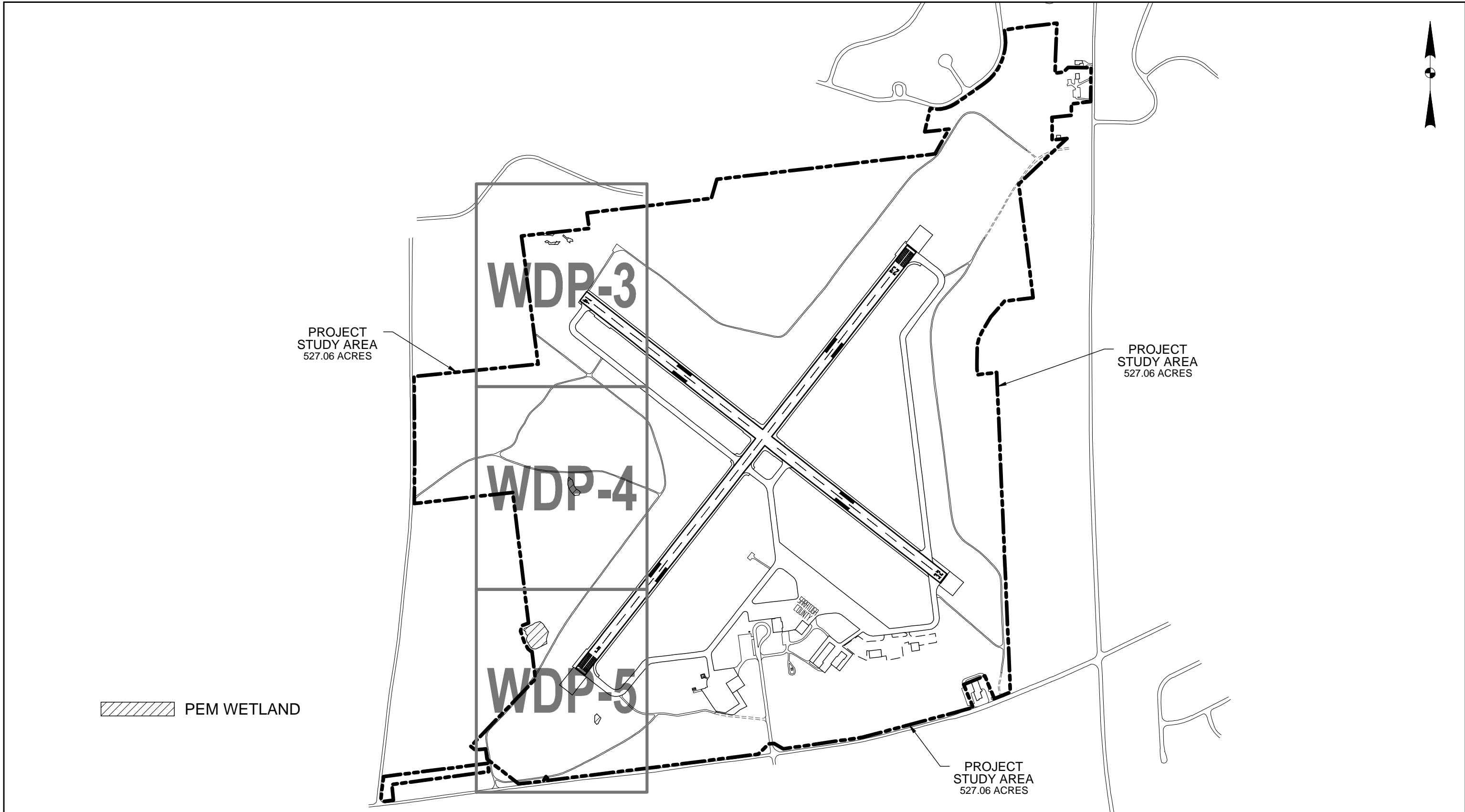
FEATURE ID	AREA
NYSDEC ADJACENT AREA	0.78 AC



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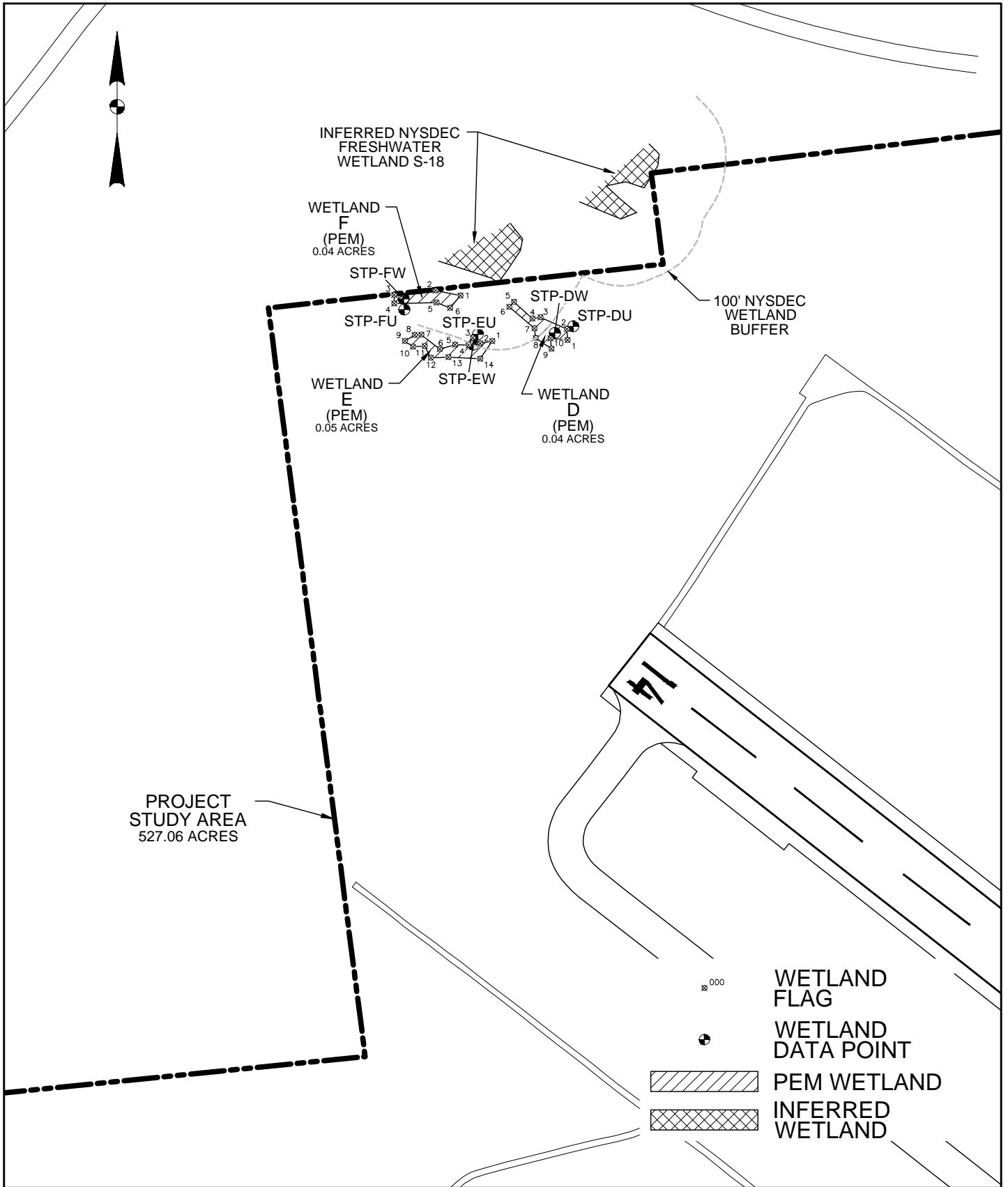
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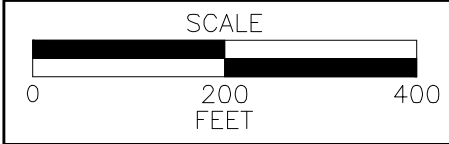
WETLANDS AND WATERWAYS DELINEATION - SUBSET PLAN

PLAN WDP-3



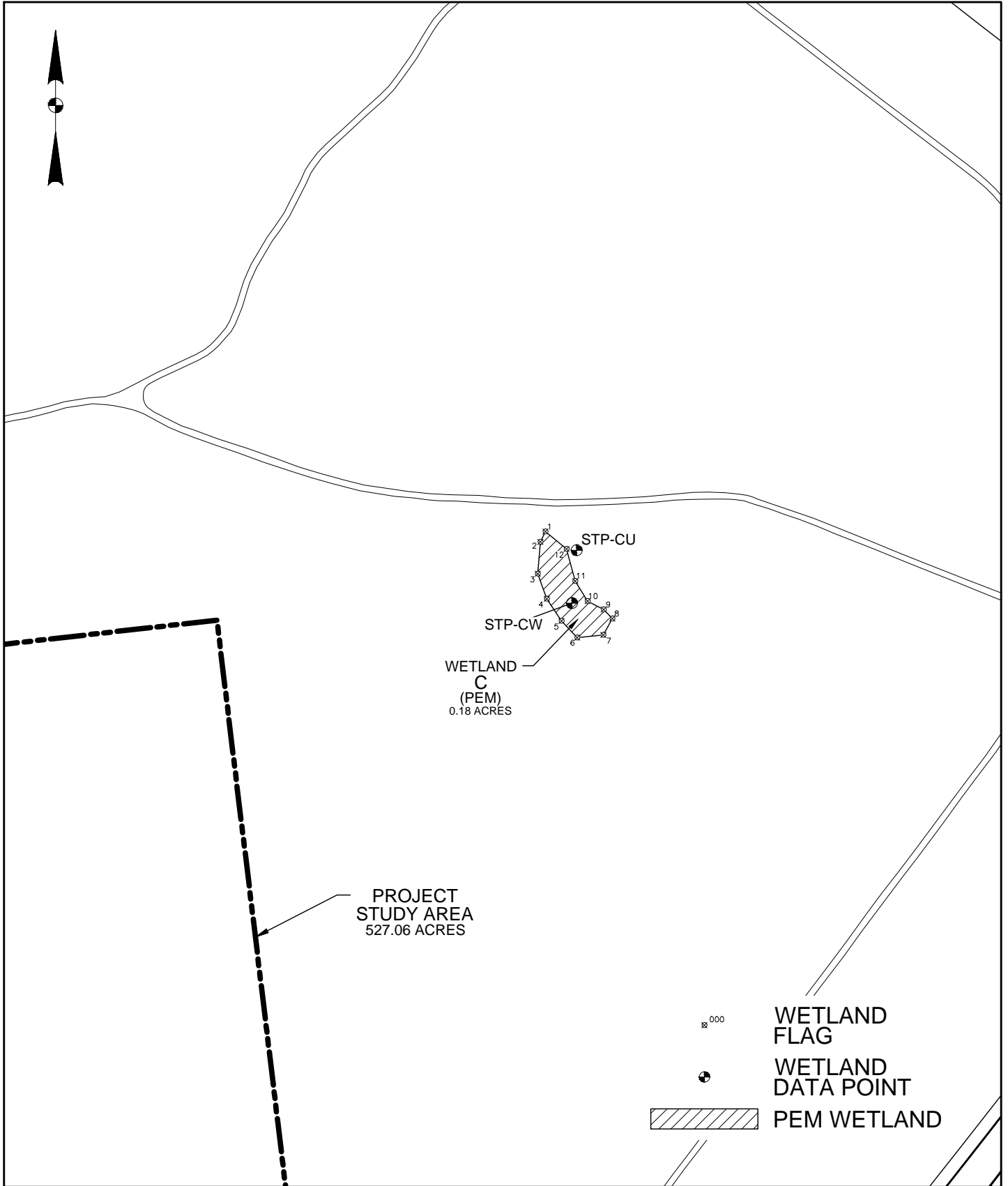
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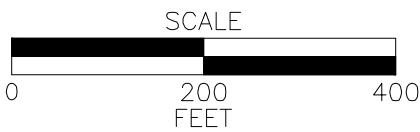


WETLANDS AND WATERWAYS DELINEATION - SUBSET PLAN

PLAN WDP-4



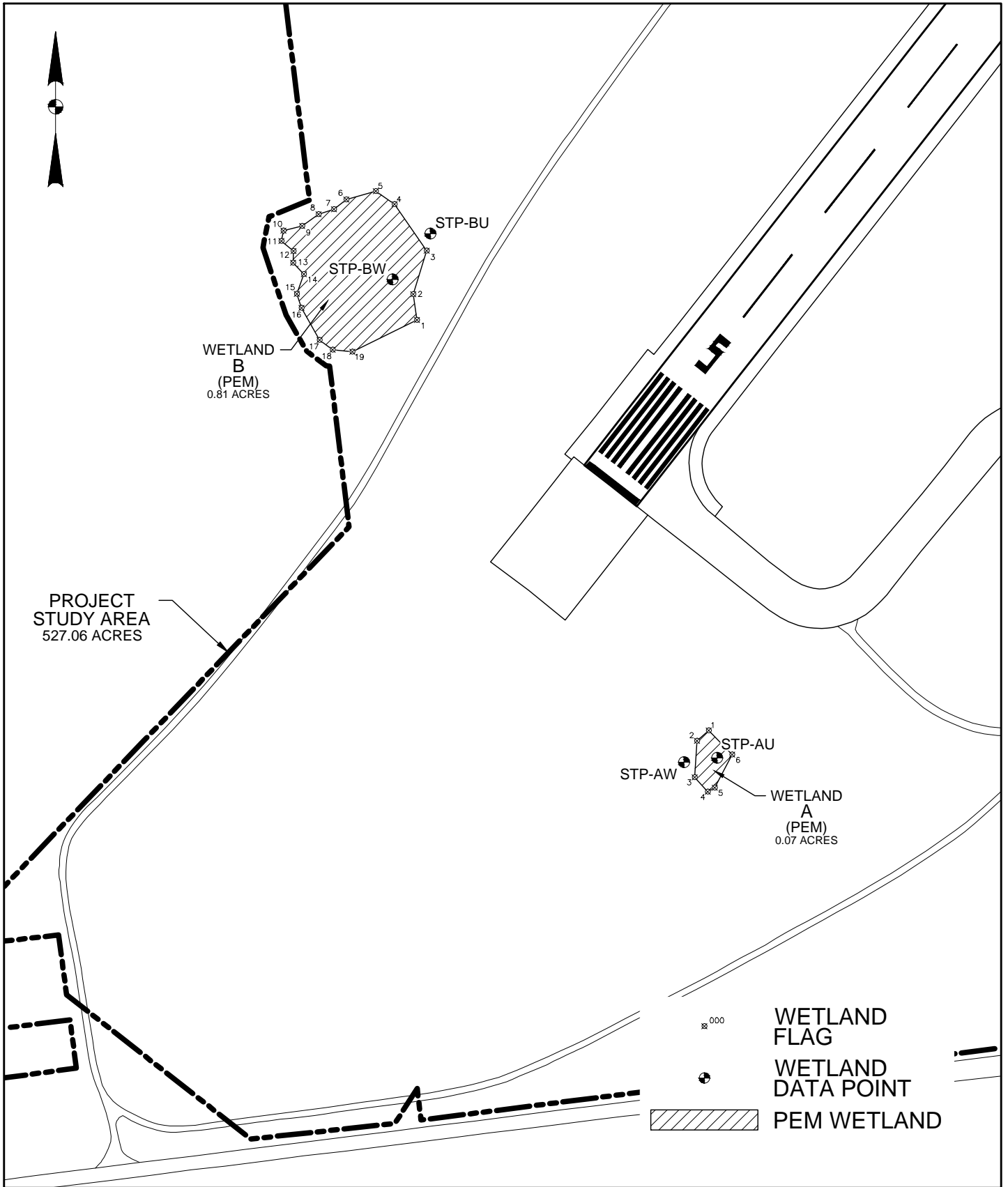
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COUNTY
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WETLANDS AND WATERWAYS DELINEATION - SUBSET PLAN

PLAN WDP-5



PROJECT STUDY AREA
527.06 ACRES

WETLAND B
(PEM)
0.81 ACRES

STP-BU

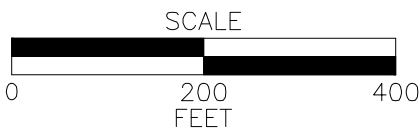
STP-BW

STP-AU
STP-AW

WETLAND A
(PEM)
0.07 ACRES

- WETLAND FLAG
- WETLAND DATA POINT
- PEM WETLAND

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Appendix C

Wetland Datasheets

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/25/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: A-U
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 2
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: WhA- Windsor loamy sand (nearly level) NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Wetland Hydrology Present?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Remarks: (Explain alternative procedures here or in a separate report.)			

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: A-U

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Sapling/Shrub Stratum (Plot size: _____)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Schizachyrium scoparium</u>	50	Yes	FACU
2. <u>Comptonia peregrina</u>	10	No	UPL
3. <u>Danthonia spicata</u>	10	No	UPL
4. <u>Lupinus perennis</u>	2	No	UPL
5. <u>Centaurea maculosa</u>	2	No	UPL
6. <u>Solidago sp.</u>	2	No	UPL
7. _____	_____	_____	_____

_____ =Total Cover

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u> 0 </u>	x 1 = <u> 0 </u>
FACW species <u> 0 </u>	x 2 = <u> 0 </u>
FAC species <u> 0 </u>	x 3 = <u> 0 </u>
FACU species <u> 50 </u>	x 4 = <u> 200 </u>
UPL species <u> 26 </u>	x 5 = <u> 130 </u>
Column Totals: <u> 76 </u>	(A) <u> 330 </u> (B)
Prevalence Index = B/A = <u> 4.34 </u>	

Herb Stratum (Plot size: _____)

1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

_____ =Total Cover

Hydrophytic Vegetation Indicators:

 Rapid Test for Hydrophytic Vegetation

 Dominance Test is >50%

 Prevalence Index is ≤3.0¹

 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Woody Vine Stratum (Plot size: _____)

1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

_____ =Total Cover

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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes No X

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

SOIL

Sampling Point: A-U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Table with columns: Depth (inches), Matrix (Color (moist), %), Redox Features (Color (moist), %, Type1, Loc2), Texture, Remarks. Rows include 0-6 and 6-16 inch depths with 'Sandy' texture.

1Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. 2Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
___ Histic Epipedon (A2)
___ Black Histic (A3)
___ Hydrogen Sulfide (A4)
___ Stratified Layers (A5)
___ Depleted Below Dark Surface (A11)
___ Thick Dark Surface (A12)
___ Sandy Mucky Mineral (S1)
___ Sandy Gleyed Matrix (S4)
___ Sandy Redox (S5)
___ Stripped Matrix (S6)
___ Dark Surface (S7) (LRR R, MLRA 149B)

- ___ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
___ Thin Dark Surface (S9) (LRR R, MLRA 149B)
___ Loamy Mucky Mineral (F1) (LRR K, L)
___ Loamy Gleyed Matrix (F2)
___ Depleted Matrix (F3)
___ Redox Dark Surface (F6)
___ Depleted Dark Surface (F7)
___ Redox Depressions (F8)

Indicators for Problematic Hydric Soils3:

- ___ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
___ Coast Prairie Redox (A16) (LRR K, L, R)
___ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
___ Dark Surface (S7) (LRR K, L)
___ Polyvalue Below Surface (S8) (LRR K, L)
___ Thin Dark Surface (S9) (LRR K, L)
___ Iron-Manganese Masses (F12) (LRR K, L, R)
___ Piedmont Floodplain Soils (F19) (MLRA 149B)
___ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
___ Red Parent Material (TF2)
___ Very Shallow Dark Surface (TF12)
___ Other (Explain in Remarks)

3Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes ___ No X

Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/25/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: A-W
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 0
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: WhA- Windsor loamy sand (nearly level) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____ If yes, optional Wetland Site ID: <u>Wetland A</u>
Remarks: (Explain alternative procedures here or in a separate report.)	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>X</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) <u>X</u> Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: A-W

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

<u>Sapling/Shrub Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Scirpus cyperinus</u>	<u>50</u>	<u>Yes</u>	<u>OBL</u>
2. <u>Danthonia spicata</u>	<u>10</u>	<u>No</u>	<u>UPL</u>
3. <u>Carex sp.</u>	<u>10</u>	<u>No</u>	<u>FAC</u>
4. <u>Salix sp.</u>	<u>2</u>	<u>No</u>	<u>FAC</u>
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>50</u>	x 1 = <u>50</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>12</u>	x 3 = <u>36</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>10</u>	x 5 = <u>50</u>
Column Totals: <u>72</u>	(A) <u>136</u> (B)
Prevalence Index = B/A = <u>1.89</u>	

<u>Herb Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

Hydrophytic Vegetation Indicators:

 Rapid Test for Hydrophytic Vegetation

 X Dominance Test is >50%

 X Prevalence Index is ≤3.0¹

 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

<u>Woody Vine Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes X No

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

SOIL

Sampling Point: A-W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-5.5	10YR 3/2	100					Sandy	
5.5-9	2.5Y 5/3	98	7.5YR 4/6	2			Sandy	Prominent redox concentrations
9-11	2.5Y 5/3	80	10YR 3/1	20			Sandy	Distinct redox concentrations
11-16	10YR 4/3	100					Sandy	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)

- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/25/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: B-U
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 1
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: WhA- Windsor loamy sand (nearly level) NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes _____	No <u>X</u>	
Wetland Hydrology Present?	Yes _____	No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.)			

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p><u>Primary Indicators (minimum of one is required; check all that apply)</u></p> <p> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) </p>	<p><u>Secondary Indicators (minimum of two required)</u></p> <p> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5) </p>
<p>Field Observations:</p> <p>Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____</p> <p>Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____</p> <p>Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)</p>	<p>Wetland Hydrology Present? Yes _____ No <u>X</u></p>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: B-U

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u> 0 </u> (A) Total Number of Dominant Species Across All Strata: <u> 1 </u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u> 0.0% </u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
=Total Cover				Prevalence Index worksheet: <table style="width:100%; border:none;"> <tr> <td style="width:50%; text-align:right;">Total % Cover of:</td> <td style="width:50%; text-align:left;">Multiply by:</td> </tr> <tr> <td>OBL species <u> 0 </u></td> <td>x 1 = <u> 0 </u></td> </tr> <tr> <td>FACW species <u> 0 </u></td> <td>x 2 = <u> 0 </u></td> </tr> <tr> <td>FAC species <u> 0 </u></td> <td>x 3 = <u> 0 </u></td> </tr> <tr> <td>FACU species <u> 0 </u></td> <td>x 4 = <u> 0 </u></td> </tr> <tr> <td>UPL species <u> 110 </u></td> <td>x 5 = <u> 550 </u></td> </tr> <tr> <td>Column Totals: <u> 110 </u> (A)</td> <td><u> 550 </u> (B)</td> </tr> <tr> <td colspan="2" style="text-align:center;">Prevalence Index = B/A = <u> 5.00 </u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u> 0 </u>	x 1 = <u> 0 </u>	FACW species <u> 0 </u>	x 2 = <u> 0 </u>	FAC species <u> 0 </u>	x 3 = <u> 0 </u>	FACU species <u> 0 </u>	x 4 = <u> 0 </u>	UPL species <u> 110 </u>	x 5 = <u> 550 </u>	Column Totals: <u> 110 </u> (A)	<u> 550 </u> (B)	Prevalence Index = B/A = <u> 5.00 </u>	
Total % Cover of:	Multiply by:																			
OBL species <u> 0 </u>	x 1 = <u> 0 </u>																			
FACW species <u> 0 </u>	x 2 = <u> 0 </u>																			
FAC species <u> 0 </u>	x 3 = <u> 0 </u>																			
FACU species <u> 0 </u>	x 4 = <u> 0 </u>																			
UPL species <u> 110 </u>	x 5 = <u> 550 </u>																			
Column Totals: <u> 110 </u> (A)	<u> 550 </u> (B)																			
Prevalence Index = B/A = <u> 5.00 </u>																				
=Total Cover																				
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=Total Cover				Hydrophytic Vegetation Indicators: <input type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input type="checkbox"/> Dominance Test is >50% <input type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)																
=Total Cover																				
=Total Cover																				
=Total Cover																				
=Total Cover																				
=Total Cover																				
=Total Cover																				
=Total Cover				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 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																
=Total Cover																				
=Total Cover																				
=Total Cover																				
=Total Cover																				
=Total Cover																				
=Total Cover																				
=Total Cover				Hydrophytic Vegetation Present? Yes <u> </u> No <u> X </u>																

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

SOIL

Sampling Point: B-U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-11	10YR 3/4	100					Sandy	
11-16	10YR 2/1	100					Sandy	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)

- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/25/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: B-W
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 0
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: DeA- Deerfield loamy fine sand (nearly level) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____ If yes, optional Wetland Site ID: <u>Wetland B</u>
Remarks: (Explain alternative procedures here or in a separate report.) 	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) <u>X</u> Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>X</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) <u>X</u> Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: 	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: B-W

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	_____ =Total Cover		
<u>Sapling/Shrub Stratum</u> (Plot size: _____)			
1. <u>Scirpus cyperinus</u>	90	Yes	OBL
2. <u>Carex sp.</u>	10	No	FAC
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
	_____ =Total Cover		
<u>Herb Stratum</u> (Plot size: _____)			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
	_____ =Total Cover		
<u>Woody Vine Stratum</u> (Plot size: _____)			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
	_____ =Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 1 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u> 90 </u>	x 1 = <u> 90 </u>
FACW species <u> 0 </u>	x 2 = <u> 0 </u>
FAC species <u> 10 </u>	x 3 = <u> 30 </u>
FACU species <u> 0 </u>	x 4 = <u> 0 </u>
UPL species <u> 0 </u>	x 5 = <u> 0 </u>
Column Totals: <u> 100 </u> (A)	<u> 120 </u> (B)
Prevalence Index = B/A = <u> 1.20 </u>	

Hydrophytic Vegetation Indicators:

 Rapid Test for Hydrophytic Vegetation

Dominance Test is >50%

Prevalence Index is ≤3.0¹

 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of 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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes X No

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

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/25/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: C-U
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 1
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: WhA- Windsor loamy sand (nearly level) NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes _____	No <u>X</u>	
Wetland Hydrology Present?	Yes _____	No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.)			

HYDROLOGY

<p>Wetland Hydrology Indicators:</p> <p><u>Primary Indicators (minimum of one is required; check all that apply)</u></p> <p> <input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3) <input type="checkbox"/> Drift Deposits (B3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Other (Explain in Remarks) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) </p>	<p><u>Secondary Indicators (minimum of two required)</u></p> <p> <input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry-Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-Neutral Test (D5) </p>
<p>Field Observations:</p> <p> Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe) </p>	<p>Wetland Hydrology Present? Yes _____ No <u>X</u></p>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: C-U

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)

<u>Sapling/Shrub Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Danthonia spicata</u>	<u> 2 </u>	<u> Yes </u>	<u> UPL </u>
2. <u>Comptonia peregrina</u>	<u> 2 </u>	<u> Yes </u>	<u> UPL </u>
3. <u>Centaurea maculosa</u>	<u> 2 </u>	<u> Yes </u>	<u> UPL </u>
4. <u>Schizachyrium scoparium</u>	<u> 2 </u>	<u> Yes </u>	<u> UPL </u>
5. <u>Salix sp</u>	<u> 2 </u>	<u> Yes </u>	<u> FAC </u>
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u> 0 </u>	x 1 = <u> 0 </u>
FACW species <u> 0 </u>	x 2 = <u> 0 </u>
FAC species <u> 2 </u>	x 3 = <u> 6 </u>
FACU species <u> 0 </u>	x 4 = <u> 0 </u>
UPL species <u> 8 </u>	x 5 = <u> 40 </u>
Column Totals: <u> 10 </u>	(A) <u> 46 </u> (B)
Prevalence Index = B/A = <u> 4.60 </u>	

<u>Herb Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

Hydrophytic Vegetation Indicators:

 Rapid Test for Hydrophytic Vegetation

 Dominance Test is >50%

 Prevalence Index is ≤3.0¹

 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

<u>Woody Vine Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present?

Yes No X

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

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/25/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: C-W
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 0
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: WhA- Windsor loamy sand (nearly level) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____ If yes, optional Wetland Site ID: <u>Wetland C</u>
Hydric Soil Present?	Yes <u>X</u> No _____	
Wetland Hydrology Present?	Yes <u>X</u> No _____	
Remarks: (Explain alternative procedures here or in a separate report.)		

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) <u>X</u> High Water Table (A2) _____ Aquatic Fauna (B13) <u>X</u> Saturation (A3) _____ Marl Deposits (B15) <u>X</u> Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) <u>X</u> Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>X</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) <u>X</u> Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes <u>X</u> No _____ Depth (inches): <u>5"</u> Saturation Present? Yes <u>X</u> No _____ Depth (inches): <u>4"</u> (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: C-W

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
=Total Cover				Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">Total % Cover of:</th> <th style="width:50%;">Multiply by:</th> </tr> </thead> <tbody> <tr><td>OBL species <u>7</u></td><td>x 1 = <u>7</u></td></tr> <tr><td>FACW species <u>0</u></td><td>x 2 = <u>0</u></td></tr> <tr><td>FAC species <u>80</u></td><td>x 3 = <u>240</u></td></tr> <tr><td>FACU species <u>0</u></td><td>x 4 = <u>0</u></td></tr> <tr><td>UPL species <u>0</u></td><td>x 5 = <u>0</u></td></tr> <tr><td>Column Totals: <u>87</u></td><td>(A) <u>247</u> (B)</td></tr> <tr><td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.84</u></td></tr> </tbody> </table>	Total % Cover of:	Multiply by:	OBL species <u>7</u>	x 1 = <u>7</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>80</u>	x 3 = <u>240</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>87</u>	(A) <u>247</u> (B)	Prevalence Index = B/A = <u>2.84</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>7</u>	x 1 = <u>7</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>80</u>	x 3 = <u>240</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>87</u>	(A) <u>247</u> (B)																			
Prevalence Index = B/A = <u>2.84</u>																				
<u>Sapling/Shrub Stratum</u> (Plot size: _____)																				
1. <u>Juncus tenuis</u>	<u>80</u>	<u>Yes</u>	<u>FAC</u>																	
2. <u>Scirpus cyperinus</u>	<u>5</u>	<u>No</u>	<u>OBL</u>																	
3. <u>Juncus effusus</u>	<u>2</u>	<u>No</u>	<u>OBL</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
=Total Cover				Hydrophytic Vegetation Indicators: ___ Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹ ___ 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.																
<u>Herb Stratum</u> (Plot size: _____)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
=Total Cover				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 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																
<u>Woody Vine Stratum</u> (Plot size: _____)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
=Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____																

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

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/25/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: D-U
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 1
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: SeA- Scio silt loam, 0 to 3 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes _____	No <u>X</u>	
Wetland Hydrology Present?	Yes _____	No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.)			

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: D-U

<u>Tree Stratum</u> (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)

<u>Sapling/Shrub Stratum</u> (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Danthonia spicata</u>	<u> 2 </u>	<u> Yes </u>	<u> UPL </u>
2. <u>Comptonia peregrina</u>	<u> 2 </u>	<u> Yes </u>	<u> UPL </u>
3. <u>Centaurea maculosa</u>	<u> 2 </u>	<u> Yes </u>	<u> UPL </u>
4. <u>Schizachyrium scoparium</u>	<u> 2 </u>	<u> Yes </u>	<u> UPL </u>
5. <u>Salix sp</u>	<u> 2 </u>	<u> Yes </u>	<u> FAC </u>
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u> 0 </u>	x 1 = <u> 0 </u>
FACW species <u> 0 </u>	x 2 = <u> 0 </u>
FAC species <u> 2 </u>	x 3 = <u> 6 </u>
FACU species <u> 0 </u>	x 4 = <u> 0 </u>
UPL species <u> 8 </u>	x 5 = <u> 40 </u>
Column Totals: <u> 10 </u>	(A) <u> 46 </u> (B)
Prevalence Index = B/A = <u> 4.60 </u>	

<u>Herb Stratum</u> (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

Hydrophytic Vegetation Indicators:

 Rapid Test for Hydrophytic Vegetation

 Dominance Test is >50%

 Prevalence Index is ≤3.0¹

 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

<u>Woody Vine Stratum</u> (Plot size: <u> </u>)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present?

Yes No X

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

SOIL

Sampling Point: D-U

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-11	10YR 5/6	100					Sandy	
11-16	10YR 4/3	100					Sandy	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)

- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No X

Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/26/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: D-W
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 0
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: SeA- Scio silt loam, 0 to 3 percent slopes NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____ If yes, optional Wetland Site ID: <u>Wetland D</u>
Remarks: (Explain alternative procedures here or in a separate report.)	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>X</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) <u>X</u> Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) <u>X</u> Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D-W

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

<u>Sapling/Shrub Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Carex sp.</u>	<u>50</u>	<u>Yes</u>	<u>FAC</u>
2. <u>Scirpus cyperinus</u>	<u>30</u>	<u>Yes</u>	<u>OBL</u>
3. <u>Juncus effusus</u>	<u>30</u>	<u>Yes</u>	<u>OBL</u>
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>60</u>	x 1 = <u>60</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>50</u>	x 3 = <u>150</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>110</u>	(A) <u>210</u> (B)
Prevalence Index = B/A = <u> 1.91 </u>	

<u>Herb Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

Hydrophytic Vegetation Indicators:

 Rapid Test for Hydrophytic Vegetation

 X Dominance Test is >50%

 X Prevalence Index is ≤3.0¹

 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

<u>Woody Vine Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes X No

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

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/26/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: E-U
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 1
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: SeA- Scio silt loam, 0 to 3 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Hydric Soil Present?	Yes _____	No <u>X</u>	
Wetland Hydrology Present?	Yes _____	No <u>X</u>	
Remarks: (Explain alternative procedures here or in a separate report.)			

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: E-U

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)

Sapling/Shrub Stratum (Plot size: _____)

	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Schizachyrium scoparium</u>	<u>30</u>	<u>Yes</u>	<u>UPL</u>
2. <u>Lycopodium clavatum</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>
3. <u>Gaultheria procumbens</u>	<u>30</u>	<u>Yes</u>	<u>FACU</u>
4. <u>Comptonia peregrina</u>	<u>10</u>	<u>No</u>	<u>FACU</u>
5. <u>Kalmia angustifolia</u>	<u>5</u>	<u>No</u>	<u>FAC</u>
6. _____	_____	_____	_____
7. _____	_____	_____	_____

_____ =Total Cover

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u> 0 </u>	x 1 = <u> 0 </u>
FACW species <u> 0 </u>	x 2 = <u> 0 </u>
FAC species <u> 35 </u>	x 3 = <u> 105 </u>
FACU species <u> 40 </u>	x 4 = <u> 160 </u>
UPL species <u> 30 </u>	x 5 = <u> 150 </u>
Column Totals: <u> 105 </u>	(A) <u> 415 </u> (B)
Prevalence Index = B/A = <u> 3.95 </u>	

Herb Stratum (Plot size: _____)

	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____

_____ =Total Cover

Hydrophytic Vegetation Indicators:

 Rapid Test for Hydrophytic Vegetation

 Dominance Test is >50%

 Prevalence Index is ≤3.0¹

 Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

 Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Woody Vine Stratum (Plot size: _____)

	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____

_____ =Total Cover

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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present?

Yes No X

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

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/26/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: E-W
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 0
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: SeA- Scio silt loam, 0 to 3 percent slopes NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____ If yes, optional Wetland Site ID: <u>Wetland E</u>
Remarks: (Explain alternative procedures here or in a separate report.) 	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>X</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) <u>X</u> Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) <u>X</u> Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
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Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: E-W

	Absolute % Cover	Dominant Species?	Indicator Status																	
Tree Stratum (Plot size: _____)				Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____	Prevalence Index worksheet: <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:50%;">Total % Cover of:</th> <th style="width:50%;">Multiply by:</th> </tr> </thead> <tbody> <tr> <td>OBL species <u>70</u></td> <td>x 1 = <u>70</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>40</u></td> <td>x 3 = <u>120</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>110</u> (A)</td> <td><u>190</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.73</u></td> </tr> </tbody> </table>	Total % Cover of:	Multiply by:	OBL species <u>70</u>	x 1 = <u>70</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>40</u>	x 3 = <u>120</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>110</u> (A)	<u>190</u> (B)	Prevalence Index = B/A = <u>1.73</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>70</u>	x 1 = <u>70</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>40</u>	x 3 = <u>120</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>110</u> (A)	<u>190</u> (B)																			
Prevalence Index = B/A = <u>1.73</u>																				
Sapling/Shrub Stratum (Plot size: _____)																				
1. <u>Scirpus cyperinus</u>	50	Yes	OBL																	
2. <u>Carex sp.</u>	40	Yes	FAC																	
3. <u>Juncus effusus</u>	20	No	OBL																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
_____	=Total Cover																			
Herb Stratum (Plot size: _____)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
_____	=Total Cover																			
Woody Vine Stratum (Plot size: _____)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
_____	=Total Cover																			
Hydrophytic Vegetation Indicators: <input type="checkbox"/> Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> Dominance Test is >50% <input checked="" type="checkbox"/> Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 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 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height.																				
Hydrophytic Vegetation Present? Yes <u>X</u> No _____																				

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

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/26/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: F-U
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 1
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: SeA- Scio silt loam, 0 to 3 percent slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes _____ No <u>X</u> Hydric Soil Present? Yes _____ No <u>X</u> Wetland Hydrology Present? Yes _____ No <u>X</u>	Is the Sampled Area within a Wetland? Yes _____ No <u>X</u> If yes, optional Wetland Site ID: _____
Remarks: (Explain alternative procedures here or in a separate report.)	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) _____ Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) _____ Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No <u>X</u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: F-U

<u>Tree Stratum</u> (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
_____ =Total Cover			
<u>Sapling/Shrub Stratum</u> (Plot size: _____)			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
_____ =Total Cover			
<u>Herb Stratum</u> (Plot size: _____)			
1. <u>Lycopodium clavatum</u>	40	Yes	FAC
2. <u>Gaultheria procumbens</u>	20	Yes	FACU
3. <u>Poa pratensis</u>	20	Yes	FACU
4. <u>Vaccinium angustifolium</u>	20	Yes	FACU
5. <u>Potentilla canadensis</u>	20	Yes	FACU
6. <u>Comptonia peregrina</u>	10	No	FACU
7. <u>Solidago rugosa</u>	2	No	FAC
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
132 =Total Cover			
<u>Woody Vine Stratum</u> (Plot size: _____)			
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
_____ =Total Cover			

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>42</u>	x 3 = <u>126</u>
FACU species <u>90</u>	x 4 = <u>360</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>132</u> (A)	<u>486</u> (B)
Prevalence Index = B/A = <u>3.68</u>	

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Vegetation

Dominance Test is >50%

Prevalence Index is ≤3.0¹

Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of 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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes _____ No X

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

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport City/County: Balston Spa, Saratoga Sampling Date: 4/26/2013
 Applicant/Owner: Saratoga County State: NY Sampling Point: F-W
 Investigator(s): Thomas Wirickx Section, Township, Range: N/A
 Landform (hillside, terrace, etc.): Plain Local relief (concave, convex, none): Covex Slope (%): 0
 Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: SeA- Scio silt loam, 0 to 3 percent slopes NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No _____ (If no, explain in Remarks.)
 Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes X No _____
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <u>X</u> No _____ Hydric Soil Present? Yes <u>X</u> No _____ Wetland Hydrology Present? Yes <u>X</u> No _____	Is the Sampled Area within a Wetland? Yes <u>X</u> No _____ If yes, optional Wetland Site ID: <u>Wetland F</u>
Remarks: (Explain alternative procedures here or in a separate report.)	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Water-Stained Leaves (B9) _____ High Water Table (A2) _____ Aquatic Fauna (B13) _____ Saturation (A3) _____ Marl Deposits (B15) _____ Water Marks (B1) _____ Hydrogen Sulfide Odor (C1) _____ Sediment Deposits (B2) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Drift Deposits (B3) _____ Presence of Reduced Iron (C4) _____ Algal Mat or Crust (B4) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Iron Deposits (B5) _____ Thin Muck Surface (C7) _____ Inundation Visible on Aerial Imagery (B7) _____ Other (Explain in Remarks) _____ Sparsely Vegetated Concave Surface (B8)	<u>Secondary Indicators (minimum of two required)</u> _____ Surface Soil Cracks (B6) <u>X</u> Drainage Patterns (B10) _____ Moss Trim Lines (B16) _____ Dry-Season Water Table (C2) _____ Crayfish Burrows (C8) <u>X</u> Saturation Visible on Aerial Imagery (C9) _____ Stunted or Stressed Plants (D1) <u>X</u> Geomorphic Position (D2) _____ Shallow Aquitard (D3) _____ Microtopographic Relief (D4) _____ FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes _____ No <u>X</u> Depth (inches): _____ Water Table Present? Yes _____ No <u>X</u> Depth (inches): _____ Saturation Present? Yes _____ No <u>X</u> Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes <u>X</u> No _____
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION – Use scientific names of plants.

Sampling Point: F-W

<u>Tree Stratum</u> (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
		=Total Cover		
<u>Sapling/Shrub Stratum</u> (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	<u>Carex sp.</u>	50	Yes	UNK
2.	<u>Agrostis gigantea</u>	20	Yes	FAC
3.	<u>Scirpus cyperinus</u>	10	No	OBL
4.	<u>Juncus effusus</u>	2	No	OBL
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
		82 =Total Cover		
<u>Herb Stratum</u> (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____
6.	_____	_____	_____	_____
7.	_____	_____	_____	_____
8.	_____	_____	_____	_____
9.	_____	_____	_____	_____
10.	_____	_____	_____	_____
11.	_____	_____	_____	_____
12.	_____	_____	_____	_____
		=Total Cover		
<u>Woody Vine Stratum</u> (Plot size: _____)		Absolute % Cover	Dominant Species?	Indicator Status
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
		=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species <u>12</u>	x 1 = <u>12</u>
FACW species <u>0</u>	x 2 = <u>0</u>
FAC species <u>20</u>	x 3 = <u>60</u>
FACU species <u>0</u>	x 4 = <u>0</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>32</u> (A)	<u>72</u> (B)
Prevalence Index = B/A = <u>2.25</u>	

Hydrophytic Vegetation Indicators:

Rapid Test for Hydrophytic Vegetation

Dominance Test is >50%

Prevalence Index is ≤3.0¹

Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)

Problematic Hydrophytic Vegetation¹ (Explain)

¹Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of 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 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vines – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes X No _____

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

SOIL

Sampling Point: F-W

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-8.5	10YR 2/1	95	5YR 3/4	5			Sandy	Prominent redox concentrations
8.5-16	2.5YR 4/3	98	10YR 4/6	2			Sandy	Prominent redox concentrations

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- Histosol (A1)
- Histic Epipedon (A2)
- Black Histic (A3)
- Hydrogen Sulfide (A4)
- Stratified Layers (A5)
- Depleted Below Dark Surface (A11)
- Thick Dark Surface (A12)
- Sandy Mucky Mineral (S1)
- Sandy Gleyed Matrix (S4)
- Sandy Redox (S5)
- Stripped Matrix (S6)
- Dark Surface (S7) (LRR R, MLRA 149B)
- Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- Thin Dark Surface (S9) (LRR R, MLRA 149B)
- Loamy Mucky Mineral (F1) (LRR K, L)
- Loamy Gleyed Matrix (F2)
- Depleted Matrix (F3)
- Redox Dark Surface (F6)
- Depleted Dark Surface (F7)
- Redox Depressions (F8)

Indicators for Problematic Hydric Soils³:

- 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- Coast Prairie Redox (A16) (LRR K, L, R)
- 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- Dark Surface (S7) (LRR K, L)
- Polyvalue Below Surface (S8) (LRR K, L)
- Thin Dark Surface (S9) (LRR K, L)
- Iron-Manganese Masses (F12) (LRR K, L, R)
- Piedmont Floodplain Soils (F19) (MLRA 149B)
- Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- Red Parent Material (TF2)
- Very Shallow Dark Surface (TF12)
- Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

Appendix D

Wetland Photographs

**WETLAND DELINEATION REPORT
SARATOGA COUNTY AIRPORT
BALLSTON SPA, SARATOGA COUNTY, NEW YORK**



Representative Photograph of Wetland A



Representative Photograph of Wetland B

**WETLAND DELINEATION REPORT
SARATOGA COUNTY AIRPORT
BALLSTON SPA, SARATOGA COUNTY, NEW YORK**



Representative Photograph of Wetland C



Representative Photograph of Wetland D

**WETLAND DELINEATION REPORT
SARATOGA COUNTY AIRPORT
BALLSTON SPA, SARATOGA COUNTY, NEW YORK**



Representative Photograph of Wetland E



Representative Photograph of Wetland F