

Appendix C.

Wetlands and Waterways Delineation Report



WETLAND DELINEATION REPORT

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

August 2013

Prepared For:

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Connecticut • New Hampshire • New York • Pennsylvania • Vermont

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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 hydophytic 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 stratums 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 stratums 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 where 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 where 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 where 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 where 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 where 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**

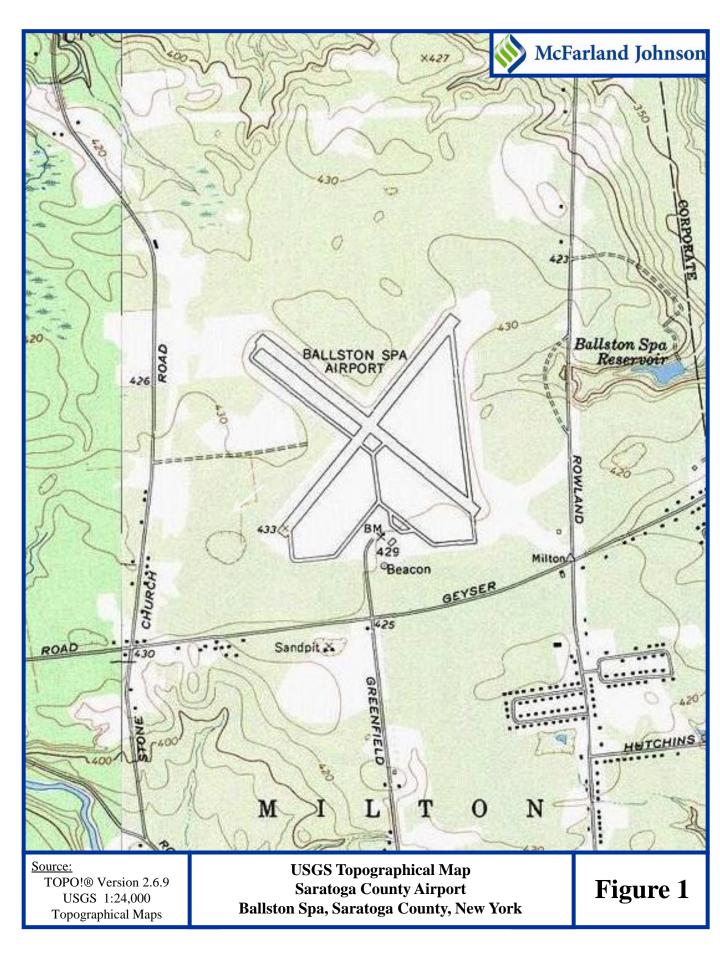
Based on the wetland delineations performed by McFarland-Johnson, a total of six wetlands, Wetlands A through F, were identified and delineated within the 527.06 acre PSA. All delineated six wetlands are considered to be PEM wetlands.

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





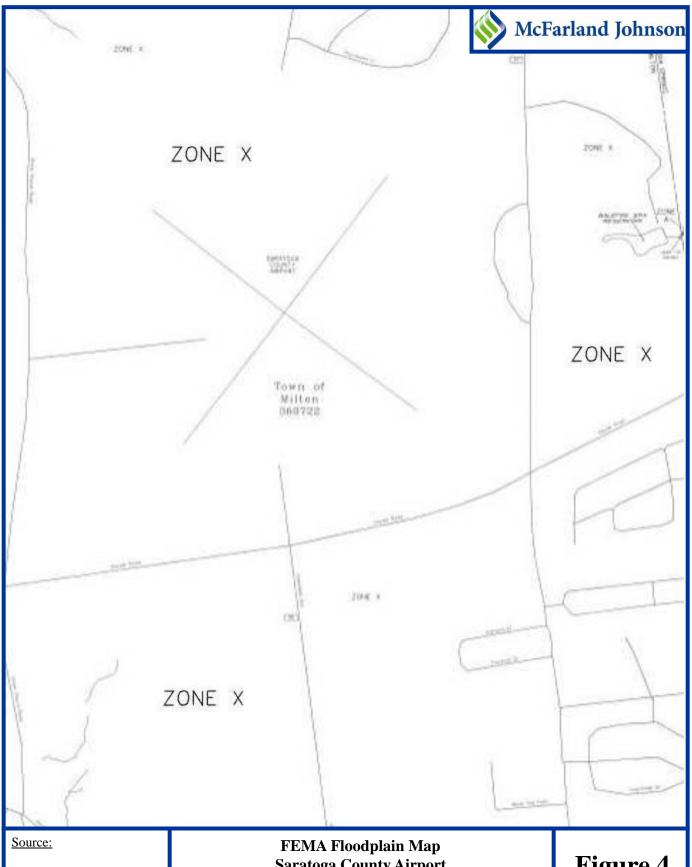
Source:

NYSGIS Clearinghouse, On-line: http://gis.ny.gov/ NYSDEC Freshwater Wetlands Map Saratoga County Airport Ballston Spa, Saratoga County, New York



Source:

USFWS National Wetlands Inventory Wetlands Mapper NWI Wetlands Map Saratoga County Airport Ballston Spa, Saratoga County, New York



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

Saratoga County Airport Ballston Spa, Saratoga County, New York



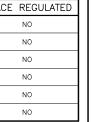
Source:

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

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

Appendix B

Wetland Delineation Plans



STP-AW -

WETLAND -

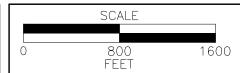
STP-AU

NYSDEC REGUL ADJACENT ARE ACRE PROJEC	ATED WETLAND A WITHIN 527.06 T STUDY AREA
FEATURE ID	AREA
NYSDEC ADJACENT AREA	0.78 AC

- WETLAND D (PEM) 0.04 ACRES WETLAND STP-FW -- STP-EU WETLAND E (PEM) 0.05 ACRES PROJECT STUDY AREA 527.06 ACRES PROJECT STUDY AREA 527.06 ACRES STP-CW WETLAND C (PEM) 0.18 ACRES WETLAND B (PEM) 0.81 ACRES WETLAND DATA POINT

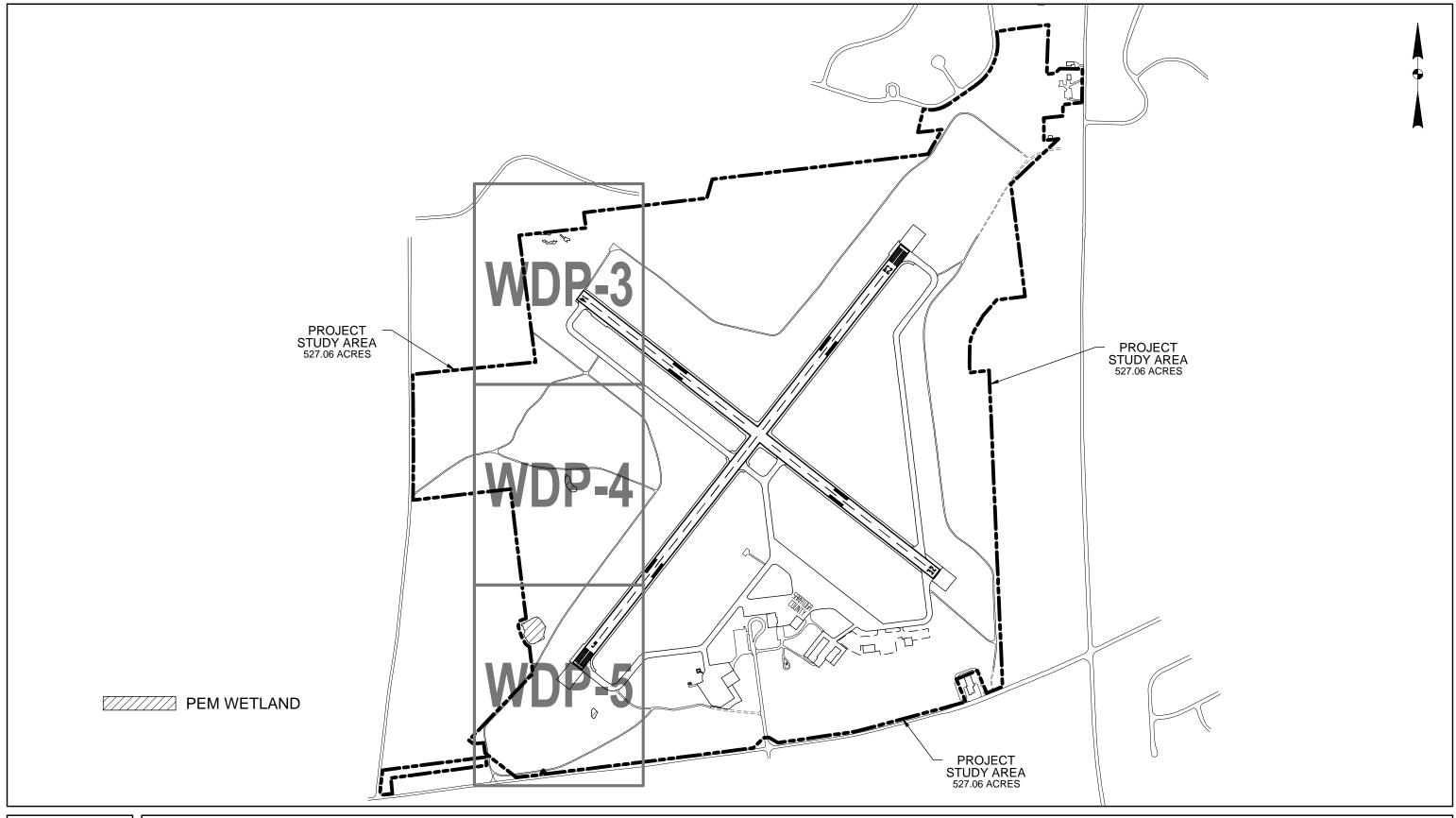
PROJECT STUDY AREA 527.06 ACRES

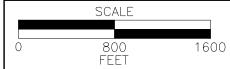




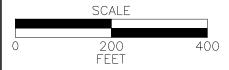
PEM WETLAND





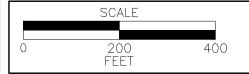


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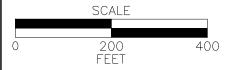


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Appendix C

Wetland Datasheets

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga Count	ty Airport	Ci	ty/County: Balston Spa,	Saratoga		Samp	ling Date: 4	/25/20	13
Applicant/Owner: Saratoga C	County		·		State:	NY	Sampling Po	oint:	A-U
Investigator(s): Thomas Wirid	•	Se	ection, Township, Range	: N/A				_	
Landform (hillside, terrace, etc			al relief (concave, convex		Covex		Slone	e (%):	2
, , ,	<i>′</i> ———		,	,	OOVCX			•	
Subregion (LRR or MLRA): LF	-		Long:				Datum:		
Soil Map Unit Name: WhA-Wi	·	·			WI classif				
Are climatic / hydrologic condit	ions on the site typical f	or this time of year	? Yes X No	(If n	o, explain	in Rem	arks.)		
Are Vegetation, Soil _	, or Hydrology	significantly o	listurbed? Are "Norma	al Circumst	tances" pre	esent?	Yes X	No	·
Are Vegetation, Soil	, or Hydrology	naturally prob	lematic? (If needed,	explain an	y answers	in Rem	ıarks.)		
SUMMARY OF FINDING	3S - Attach site m	nap showing sa	ampling point loca	tions, tra	ansects	, impo	rtant feati	ures,	etc.
Hydrophytic Vegetation Prese	ent? Yes	No X	Is the Sampled Area						
Hydric Soil Present?	Yes		within a Wetland?		Yes	No	X		
Wetland Hydrology Present?		No X	If yes, optional Wetlan			_			
Remarks: (Explain alternative	e procedures here or in	a separate report.)							
HYDROLOGY									
Wetland Hydrology Indicato	ors:			Secor	ndary Indic	ators (n	ninimum of tw	vo requ	uired)
Primary Indicators (minimum	of one is required; chec	k all that apply)		S	Surface Soil Cracks (B6)				
Surface Water (A1)		_Water-Stained Le	Leaves (B9) Drainage Patterns (B10)						
High Water Table (A2)		Aquatic Fauna (B	B13) Moss Trim Lines (B16)						
Saturation (A3)		Marl Deposits (B1	Dry-Season Water Table (C2)						
Water Marks (B1)	_	Hydrogen Sulfide	Odor (C1)	c	Crayfish Burrows (C8)				
Sediment Deposits (B2)	_	Oxidized Rhizosp	heres on Living Roots (C	(3) S	aturation \	Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	_	Presence of Redu	iced Iron (C4)	s	tunted or	Stressed	d Plants (D1)		
Algal Mat or Crust (B4)		Recent Iron Redu	Reduction in Tilled Soils (C6) Geomorphic Position (D2)						
Iron Deposits (B5)	_	Thin Muck Surfac							
Inundation Visible on Aer	ial Imagery (B7)	Other (Explain in	Remarks)	Microtopographic Relief (D4)					
Sparsely Vegetated Cond	cave Surface (B8)	_		F	AC-Neutra	al Test (l	D5)		
Field Observations:									
Surface Water Present?	Yes No X	Depth (inches):							
Water Table Present?	Yes No X	Depth (inches):							
Saturation Present?	Yes No X	Depth (inches):	Wetland	Hydrolog	y Present	?	Yes	No_	Χ
(includes capillary fringe)									
Describe Recorded Data (stre	am gauge, monitoring v	vell, aerial photos, ¡	previous inspections), if a	available:					
Demontor									
Remarks:									

	Absolute	Dominant	Indicator			
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:		
1.				Number of Dominant Species		
2.				That Are OBL, FACW, or FAC: 0	(A)	
3.				Total Nevel on of Dani's and		
1.				Total Number of Dominant Species Across All Strata: 1	(B)	
5					_` ′	
				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0%	(A/B)	
7.	_			Prevalence Index worksheet:	(,,,,,	
•		=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:		-10tal 00vol		OBL species 0 $x = 0$		
		Vaa	FACIL			
Schizachyrium scoparium		Yes	FACU	FACW species 0 x 2 = 0		
2. Comptonia peregrina	10	No No	UPL	FAC species 0 x 3 = 0		
3. Danthonia spicata	10	No	UPL	FACU species 50 x 4 = 200		
4. Lupinus perennis	2	No	UPL	UPL species 26 x 5 = 130		
5. Centaurea maculosa	2	<u>No</u>	UPL	Column Totals: 76 (A) 330	(B)	
Solidago sp.	2	No	UPL	Prevalence Index = B/A = 4.34		
7	_			Hydrophytic Vegetation Indicators:		
	76	=Total Cover		Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size:)				Dominance Test is >50%		
1				Prevalence Index is ≤3.0 ¹		
2.				Morphological Adaptations ¹ (Provide supporting		
3.				data in Remarks or on a separate sheet)	
4.				Problematic Hydrophytic Vegetation ¹ (Exp	lain)	
5.				<u> </u>		
_				¹ Indicators of hydric soil and wetland hydrology be present, unless disturbed or problematic.	must	
6 7.				Definitions of Vegetation Strata:		
g,				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of	hoiaht	
				diameter at breast neight (DBH), regardless or	neignt.	
10.				Sapling/shrub – Woody plants less than 3 in.	DBH	
11.				and greater than 3.28 ft (1 m) tall.		
12				Herb – All herbaceous (non-woody) plants, reg	ardless	
		=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size:	_)			Woody vines – All woody vines greater than 3	.28 ft in	
1.				height.		
2				Hydrophytic		
3.				Vegetation		
				Present? Yes No X		
4.						

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) Color (moist) Loc² (inches) % Type¹ Texture Remarks 0-6 10YR 3/3 100 Sandy 6-16 2.5Y 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Red Parent Material (TF2) Sandy Redox (S5) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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: 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 leve	
Are climatic / hydrologic conditions on the site typical for this	·
Are Vegetation, Soil, or Hydrologys	
Are Vegetation, Soil, or Hydrologyn	naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map s	howing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Wetland A
HYDROLOGY Western Understand	Carandam Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all the	
1 	er-Stained Leaves (B9) X Drainage Patterns (B10) Attic Fauna (B13) Moss Trim Lines (B16)
1 	Deposits (B15) Dry-Season Water Table (C2)
	ogen Sulfide Odor (C1) Crayfish Burrows (C8)
1 	zed Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
	ence of Reduced Iron (C4) Stunted or Stressed Plants (D1)
1 	ent Iron Reduction in Tilled Soils (C6) X Geomorphic Position (D2)
	Muck Surface (C7) Shallow Aquitard (D3)
	r (Explain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Dep	oth (inches):
Water Table Present? Yes No _X Dep	oth (inches):
	oth (inches): Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, as	erial photos, previous inspections), if available:
Remarks:	
Remarks.	

VEGETATION – Use scientific names of p	nants.			Sampling Point:	<u> </u>	
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1				Number of Dominant Species That Are OBL, FACW, or FAC: 1	(A)	
3. 4.				Total Number of Dominant Species Across All Strata: 1	(B)	
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.09	% (A/B)	
7.				Prevalence Index worksheet:		
		=Total Cover		Total % Cover of: Multiply	bv:	
Sapling/Shrub Stratum (Plot size:)			· ·	50	
Scirpus cyperinus	, 50	Yes	OBL	FACW species 0 x 2 =		
Danthonia spicata	10	No	UPL	FAC species 12 x 3 = 3		
0		No	FAC			
			•			
4. Salix sp.	2	<u>No</u>	<u>FAC</u>		50(D)	
5					36 (B)	
6				Prevalence Index = B/A = 1.8	39	
7.				Hydrophytic Vegetation Indicators:		
	72	=Total Cover		Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size:)				X Dominance Test is >50%		
1				X Prevalence Index is ≤3.0 ¹		
2. 3.				Morphological Adaptations ¹ (Provide sudata in Remarks or on a separate sh		
4.				Problematic Hydrophytic Vegetation ¹ (E	Explain)	
56.				¹ Indicators of hydric soil and wetland hydrol be present, unless disturbed or problematic		
7.				Definitions of Vegetation Strata:		
8.				Tree – Woody plants 3 in. (7.6 cm) or more in		
9				diameter at breast height (DBH), regardless Sapling/shrub – Woody plants less than 3	· ·	
11.				and greater than 3.28 ft (1 m) tall.	ш. овп	
12.		=Total Cover		Herb – All herbaceous (non-woody) plants, of size, and woody plants less than 3.28 ft t		
Woody Vine Stratum (Plot size:				Woody vines – All woody vines greater that	n 3.28 ft in	
1.				height.		
2				Hydrophytic		
3				Vegetation		
4				Present? Yes X No	_	
		=Total Cover				
Remarks: (Include photo numbers here or on a sep				•		

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) % Color (moist) Loc² (inches) % Type¹ Texture Remarks 0-5.5 10YR 3/2 100 Sandy 5.5-9 2.5Y 5/3 98 7.5YR 4/6 Sandy Prominent redox concentrations 2 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Sandy Redox (S5) Red Parent Material (TF2) X Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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?** No Remarks:

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Saratoga County Airport	City/County: Balsto	on Spa, Saratoga	Sampling Date: 4/25/2013
Applicant/Owner: Saratoga County		State:	NY Sampling Point: B-U
Investigator(s): Thomas Wirickx	Section, Township,	o, Range: N/A	<u>-</u>
Landform (hillside, terrace, etc.): Plain	Local relief (concave,		Slope (%):1
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat		Long:	Datum:
Soil Map Unit Name: WhA- Windsor loamy sand (near	•		fication: N/A
Are climatic / hydrologic conditions on the site typical f	•	X No (If no, explain	•
Are Vegetation, Soil, or Hydrology	·	e "Normal Circumstances" pre	
Are Vegetation, Soil, or Hydrology _		needed, explain any answers	in Remarks.)
SUMMARY OF FINDINGS – Attach site m			
Hydrophytic Vegetation Present? Yes	No X Is the Sample	ed Area	
Hydric Soil Present? Yes			No X
Wetland Hydrology Present? Yes	No X If yes, optional	al Wetland Site ID:	
HYDROLOGY			
Wetland Hydrology Indicators:			cators (minimum of two required)
Primary Indicators (minimum of one is required; chec	••••		il Cracks (B6)
Surface Water (A1)	Water-Stained Leaves (B9)		atterns (B10)
High Water Table (A2)	_Aquatic Fauna (B13)	Moss Trim	
Saturation (A3)	Marl Deposits (B15)		n Water Table (C2)
Water Marks (B1)	_ Hydrogen Sulfide Odor (C1)	Crayfish Bu	` '
Sediment Deposits (B2)	Oxidized Rhizospheres on Living R	· · · —	Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stressed Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled So	<u> </u>	c Position (D2)
Iron Deposits (B5)	Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Microtopographic Police (D4)		
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)		raphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutra	al Test (D5)
Field Observations:			
Surface Water Present? Yes No X	Depth (inches):		
Water Table Present? Yes No X	Depth (inches): Depth (inches):		
	Depth (inches): V	Wetland Hydrology Present	? Yes No_X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring v	vell, aerial photos, previous inspection	ions), if available:	
Remarks:			

-	ants.							
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test	workshee	et:		
1				Number of Domir	ant Specie	76		
2.				That Are OBL, F			0	(A)
3				Total Number of	Dominant			
4.				Species Across A			1	_(B)
5				Percent of Domir	ant Specie	ıs		
6				That Are OBL, F			0.0%	_(A/B)
7.				Prevalence Inde	x workshe	et:		
		=Total Cover		Total % Co	ver of:	N	fultiply by:	
Sapling/Shrub Stratum (Plot size:				OBL species	0	x 1 =	0	
1. Danthonia spicata	100	Yes	UPL	FACW species_	0	x 2 =	0	
2. Comptonia peregrina	10	No	UPL	FAC species	0	x 3 =	0	
3.				FACU species	0	x 4 =	0	
4.				UPL species	110	x 5 =	550	
5				Column Totals:	110	(A)	550	(B)
6				Prevalence	e Index = E	3/A = _	5.00	
7.				Hydrophytic Veg	getation In	dicators	:	
	110	=Total Cover		Rapid Test fo	or Hydroph	ytic Vege	etation	
Herb Stratum (Plot size:)				Dominance -	Γest is >50°	%		
1.				Prevalence I	ndex is ≤3.	0 ¹		
2.				Morphologic	al Adaptatio	ons¹ (Pro	vide suppo	orting
3.				data in Re	marks or o	n a sepa	rate sheet)	
4.				Problematic	Hydrophyti	c Vegeta	tion ¹ (Expl	ain)
5.	<u> </u>			Indicators of hydric soil and wetland hydrology must				
6.				be present, unless disturbed or problematic.				iiiusi
7.				Definitions of Vegetation Strata:				
8.				Tree Woody plants 3 in (7.6 cm) or more in				
9.				 Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. 				
10.				Sapling/shrub –	Woody pla	ante loce	than 3 in 1	חםר
11.				and greater than			ulali 5 ili. i	ווטכ
12.				Herb – All herba	nagua (nan	woody)	olonto roa	ordloog
		=Total Cover		of size, and wood				aruiess
Woody Vine Stratum (Plot size:				Waaduuinaa	NII woody y	inaa araa	star than 2	20 ft in
1.				Woody vines – A height.	All WOOdy V	ines grea	iter triari 5.	20 11 111
2.				- Control of the cont				
3.	·			Hydrophytic				
4				Vegetation Present?	Yes	1	No X	
4.		=Total Cover						
4.								

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) Color (moist) Loc² (inches) % Type¹ Texture Remarks 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Red Parent Material (TF2) Sandy Redox (S5) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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-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	
Are Vegetation, Soil, or Hydrology significa	\ \
Are Vegetation, Soil, or Hydrologynaturally	
 	ng sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Wetland B
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required) Surface Soil Cracks (R6)
Primary Indicators (minimum of one is required; check all that apply Surface Water (A1) Water-Staine	y) Surface Soil Cracks (B6) ed Leaves (B9) X Drainage Patterns (B10)
High Water Table (A2) Water-Staine Water-Staine Aquatic Faur	
Saturation (A3) Aduatic Fault Marl Deposit	
1 	ulfide Odor (C1) Crayfish Burrows (C8)
1 · · · · · · · · ·	izospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
	Reduced Iron (C4) Stunted or Stressed Plants (D1)
1 — · · · · · · · · · · · · · · · · · ·	Reduction in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck S	
X Inundation Visible on Aerial Imagery (B7) Other (Expla	min in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inch	hes):
Water Table Present? Yes No X Depth (inch Saturation Present? Yes No X Depth (inch	hes):
	hes): Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:
Remarks:	

VEGETATION – Use scientific names of p	nants.			Sampling Point:	B-W	
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:	1 (A))
3. 4.				Total Number of Dominant Species Across All Strata:	1 (B))
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:	100.0% (A/E	/B)
7				Prevalence Index worksheet:		
_		=Total Cover		Total % Cover of: N	fultiply by:	
Sapling/Shrub Stratum (Plot size:)			OBL species 90 x 1 =		
1. Scirpus cyperinus	00	Yes	OBL	FACW species 0 x 2 =		
2 Caray an	10	No	FAC		30	
					0	
				·	0	
				-		(D)
						(D)
6.	-			Prevalence Index = B/A =		
7				Hydrophytic Vegetation Indicators		
	100	=Total Cover		Rapid Test for Hydrophytic Vege	atation	
Herb Stratum (Plot size:)				X Dominance Test is >50%		
1.				X Prevalence Index is ≤3.0 ¹		
2. 3.				Morphological Adaptations ¹ (Prodata in Remarks or on a sepa		ı
4.				Problematic Hydrophytic Vegeta	ition ¹ (Explain)	
5. 6.				¹ Indicators of hydric soil and wetland be present, unless disturbed or probl		t
7.				Definitions of Vegetation Strata:		
8.				Tree – Woody plants 3 in. (7.6 cm) of diameter at breast height (DBH), reg		nt.
10.				Sapling/shrub – Woody plants less	· ·	
11				and greater than 3.28 ft (1 m) tall.		
12.		=Total Cover		Herb – All herbaceous (non-woody) of size, and woody plants less than 3		ss
Woody Vine Stratum (Plot size:1.	•			Woody vines – All woody vines greatheight.	ater than 3.28 ft	in
2.				3		_
3.				Hydrophytic		
				Vegetation Present? Yes X	No	
4		-Total Cover		1 103 <u>X</u>		
		= rotal Cover		<u> </u>		
Remarks: (Include photo numbers here or on a seg		=Total Cover				

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) % Color (moist) Loc² (inches) % Type¹ Texture Remarks 0-1 10YR 3/4 100 Sandy 1-16 10YR 2/1 93 10YR 3/3 Sandy Distinct 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Red Parent Material (TF2) X Sandy Redox (S5) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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?** No Remarks:

Project/Site: Saratoga Coun	ty Airport		City/County: Balston Spa,	Saratoga	Sampling Date: 4/25/2013		
Applicant/Owner: Saratoga (State:	 -		
Investigator(s): Thomas Wiri	-	S	Section, Township, Range:	: N/A			
Landform (hillside, terrace, etc			al relief (concave, convex		Slope (%): 1		
Subregion (LRR or MLRA): LI	<i>,</i>			<u> </u>	Datum:		
Soil Map Unit Name: WhA-W	,	·	2 V V Na		ification: N/A		
Are climatic / hydrologic condi		-	·	(If no, explai			
Are Vegetation, Soil	 -	· 		al Circumstances" p			
Are Vegetation, Soil	, or Hydrology	naturally pro	blematic? (If needed,	explain any answer	's in Remarks.)		
SUMMARY OF FINDING	GS – Attach site	map showing s	ampling point loca	tions, transect	s, important features, etc.		
Hydrophytic Vegetation Pres	ent? Yes	No X	Is the Sampled Area				
Hydric Soil Present?	Yes		within a Wetland?	Yes	No X		
Wetland Hydrology Present?		No X	If yes, optional Wetlan				
Remarks: (Explain alternativ			<u> </u>				
(= 1	O P (O O O O O O O O O O	,,	,				
10/000 00V							
HYDROLOGY							
Wetland Hydrology Indicate					icators (minimum of two required)		
Primary Indicators (minimum	of one is required; ch		(50)		oil Cracks (B6)		
Surface Water (A1) Water-Stained Leaves (B9)				Drainage Patterns (B10)			
High Water Table (A2)	•	Aquatic Fauna (E			Lines (B16)		
Saturation (A3)	-	Marl Deposits (B		Dry-Season Water Table (C2)			
Water Marks (B1) Hydrogen Sulfide Odor (C1)				Crayfish Burrows (C8)			
Sediment Deposits (B2)	-		oheres on Living Roots (C		Visible on Aerial Imagery (C9)		
Drift Deposits (B3)	-	Presence of Red	educed Iron (C4) Stunted or Stressed Plants (D1) eduction in Tilled Soils (C6) Geomorphic Position (D2)				
Algal Mat or Crust (B4)	-		` '				
Iron Deposits (B5)	-i-l l	Thin Muck Surface	` '		quitard (D3)		
Inundation Visible on Ae	-	Other (Explain in	Remarks)		graphic Relief (D4)		
Sparsely Vegetated Con	cave Surface (bb)		T	FAC-Neur	ral Test (D5)		
Field Observations:	V N-	V Death (askers)					
Surface Water Present?	Yes No						
Water Table Present? Saturation Present?	Yes No			Hydrology Preser	at2 Van Na V		
(includes capillary fringe)	Yes No	X Depth (inches):	welland	nydrology Fresei	nt? Yes No _X		
Describe Recorded Data (str	eam gauge monitorir	ag well aerial photos	previous inspections) if a	availahle.			
שמין שמומ לפינו	eam yauge, momen	ig well, aerial priotos,	previous irispections, ir c	dvaliabie.			
Remarks:							

	Absolute	Dominant	Indicator		
Tree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:	
1.				Number of Deminant Consis	
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 1	(A)
3.					``
				Total Number of Dominant Species Across All Strata: 5	(B)
5					(
•				Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0%	(A/B
				Prevalence Index worksheet:	<u> </u>
7		Tatal Cause			_
		=Total Cover		Total % Cover of: Multiply by	<u>:</u>
Sapling/Shrub Stratum (Plot size:				OBL species 0 x 1 = 0	
1. Danthonia spicata	2	Yes	UPL	FACW species 0 x 2 = 0	
2. Comptonia peregrina	2	Yes	UPL	FAC species 2 x 3 = 6	
3. Centaurea maculosa	2	Yes	UPL	FACU species 0 x 4 = 0	
4. Schizachyrium scoparium	2	Yes	UPL	UPL species 8 x 5 = 40	
5. Salix sp	2	Yes	FAC	Column Totals: 10 (A) 46	(B)
6				Prevalence Index = B/A = 4.60	
7.				Hydrophytic Vegetation Indicators:	
	10	=Total Cover		Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size:)				Dominance Test is >50%	
1				Prevalence Index is ≤3.0 ¹	
				Morphological Adaptations ¹ (Provide sup	oorting
2				data in Remarks or on a separate shee	_
				Problematic Hydrophytic Vegetation ¹ (Ex	olain)
				1.	
-				¹ Indicators of hydric soil and wetland hydrolog be present, unless disturbed or problematic.	y must
7					
				Definitions of Vegetation Strata:	
3.				Tree – Woody plants 3 in. (7.6 cm) or more in	
9.				diameter at breast height (DBH), regardless o	r neight.
10				Sapling/shrub - Woody plants less than 3 in	DBH
11				and greater than 3.28 ft (1 m) tall.	
12				Herb – All herbaceous (non-woody) plants, re	gardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall	
Woody Vine Stratum (Plot size:)			Woody vines – All woody vines greater than	3.28 ft in
1				height.	
2.					
3.				Hydrophytic Vegetation	
4.				Present? Yes No X	
		=Total Cover			-
·					

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) Color (moist) Loc² (inches) % Type¹ Texture Remarks 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Red Parent Material (TF2) Sandy Redox (S5) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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:

Project/Site: Saratoga County Airport	City/County: Balstor	Spa, Saratoga	Sampling Date: 4/25/2013			
Applicant/Owner: Saratoga County		State:	NY Sampling Point: C-W			
Investigator(s): Thomas Wirickx	Section, Township, F	Range: N/A	<u> </u>			
Landform (hillside, terrace, etc.): Plain	Local relief (concave, o		Slope (%): 0			
Subregion (LRR or MLRA): LRR R, MLRA 144A La	,	Long:	Datum:			
Soil Map Unit Name: WhA- Windsor loamy sand (ne.			sification: PEM			
· · · · · · · · · · · · · · · · · · ·	•		•			
Are climatic / hydrologic conditions on the site typical			ain in Remarks.)			
Are Vegetation, Soil, or Hydrology		Normal Circumstances"	· — —			
Are Vegetation, Soil, or Hydrology	naturally problematic? (If ne	eded, explain any answe	ers in Remarks.)			
SUMMARY OF FINDINGS – Attach site	nap showing sampling point	locations, transec	ts, important features, etc.			
Hydrophytic Vegetation Present? Yes X	No Is the Sampled	Area				
Hydric Soil Present? Yes X			X No			
Wetland Hydrology Present? Yes X		Wetland Site ID: Wetlar				
Remarks: (Explain alternative procedures here or in	a separate report.)					
` '	, ,					
HYDROLOGY						
Wetland Hydrology Indicators:		· · · · · · · · · · · · · · · · · · ·	dicators (minimum of two required)			
Primary Indicators (minimum of one is required; che			Soil Cracks (B6)			
Surface Water (A1)	Water-Stained Leaves (B9)		Patterns (B10)			
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)				
X Saturation (A3)	Marl Deposits (B15)		son Water Table (C2)			
X Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide Odor (C1) Oxidized Rhizospheres on Living Ro		Burrows (C8) in Visible on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron (C4)	· · ·	or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils		phic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)					
X Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks)					
Sparsely Vegetated Concave Surface (B8)	,		utral Test (D5)			
Field Observations:			<u></u>			
Surface Water Present? Yes No X	Depth (inches):					
	Depth (inches): 5"					
Saturation Present? Yes X No	Depth (inches): 4" We	etland Hydrology Prese	ent? Yes X No			
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring	well, aerial photos, previous inspection	ns), if available:				
Remarks:						
Remarks.						
1						

Absolute Dominant Indicestrate Species Statestate Statesta	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 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 7 x 1 = 7 FACW species 0 x 2 = 0 BL FAC species 80 x 3 = 240 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 87 (A) 247 B Prevalence Index = B/A = 2.84 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)
2.	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 7 × 1 = 7 FACW species 0 × 2 = 0 FAC species 80 × 3 = 240 BL FAC species 0 × 4 = 0 UPL species 0 × 4 = 0 UPL species 0 × 5 = 0 Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 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)
4	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 7 x1 = 7 FACW species 0 x2 = 0 FAC species 80 x3 = 240 BL FACU species 0 x4 = 0 UPL species 0 x4 = 0 Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 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)
6	That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 7 x 1 = 7 FACW species 0 x 2 = 0 FAC species 80 x 3 = 240 BL FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 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)
Total Cover	Total % Cover of: Multiply by: OBL species 7 x 1 = 7 FACW species 0 x 2 = 0 BL FAC species 80 x 3 = 240 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is $\leq 3.0^1$ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
	OBL species 7 \times 1 = 7 FACW species 0 \times 2 = 0 FAC species 80 \times 3 = 240 BL FACU species 0 \times 4 = 0 UPL species 0 \times 5 = 0 Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is \leq 3.01 Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)
Sapling/Shrub Stratum (Plot size:	OBL species 7 \times 1 = 7 FACW species 0 \times 2 = 0 FAC species 80 \times 3 = 240 BL FACU species 0 \times 4 = 0 UPL species 0 \times 5 = 0 Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is \leq 3.01 Morphological Adaptations1 (Provide supporting data in Remarks or on a separate sheet)
1. Juncus tenius 80 Yes FA 2. Scirpus cyperinus 5 No OB 3. Juncus effusus 2 No OB 4.	FACW species 0 $x 2 = 0$ FAC species 80 $x 3 = 240$ FACU species 0 $x 4 = 0$ UPL species 0 $x 5 = 0$ Column Totals: 87 (A) 247 (B) Prevalence Index $= B/A = 2.84$ Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is $\le 3.0^1$ Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
2. Scirpus cyperinus 5 No Of 3. Juncus effusus 2 No Of 4.	FAC species 80 $\times 3 = 240$ BL FACU species 0 $\times 4 = 0$ UPL species 0 $\times 5 = 0$ Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is $\leq 3.0^1$ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3. Juncus effusus 2 No Of 4.	FACU species $0 \times 4 = 0$ UPL species $0 \times 5 = 0$ Column Totals: $87 \times (A) \times 247 \times (B)$ Prevalence Index $= B/A = 2.84$ Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is $\le 3.0^1$ Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4	UPL species 0 x 5 = 0 Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 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)
5.	Column Totals: 87 (A) 247 (B) Prevalence Index = B/A = 2.84 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)
6	Prevalence Index = B/A = 2.84 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)
7	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)
1.	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)
Herb Stratum (Plot size:) 1 2 3 4 5 6 7	X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
1	X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)
2.	Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
2	data in Remarks or on a separate sheet)
4	<u> </u>
5	Problematic Hydrophytic Vegetation ¹ (Explain)
7.	¹ Indicators of hydric soil and wetland hydrology must
	be present, unless disturbed or problematic.
8.	Definitions of Vegetation Strata:
9.	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.	Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
12.	
=Total Cover	Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:) 1	Woody vines – All woody vines greater than 3.28 ft in height.
2.	
3.	Hydrophytic
4.	Vegetation Present? Yes X No
=Total Cover	— ·····
Remarks: (Include photo numbers here or on a separate sheet.)	I

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) % Color (moist) Loc² (inches) % Type¹ Texture Remarks 0-1 10YR 3/2 100 Sandy 1-16 2.5Y 4/2 98 5YR 4/6 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Red Parent Material (TF2) X Sandy Redox (S5) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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?** No Remarks:

Project/Site: Saratoga Count	ty Airport	C	ty/County: Balston Spa,	Saratoga	Sa	ampling Date: 4	/25/2013	3
Applicant/Owner: Saratoga C	County			;	State: NY	′ Sampling Po	oint: D)-U
Investigator(s): Thomas Wirid	•	Se	ection, Township, Range:	N/A				
Landform (hillside, terrace, etc			al relief (concave, convex		Covex	Slone	e (%):	1
•	· 		•	· · · -	OUVEX			<u> </u>
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat:			Long: _			Datum:	-	
Soil Map Unit Name: SeA- Sci	·	·			VI classificati			
Are climatic / hydrologic condit	ions on the site typical f	or this time of year	? Yes X No	(If no	o, explain in F	temarks.)		
Are Vegetation, Soil _	, or Hydrology	significantly o	listurbed? Are "Norma	I Circumsta	ances" preser	nt? Yes X	No_	
Are Vegetation, Soil	, or Hydrology	naturally prob	elematic? (If needed,	explain any	answers in F	Remarks.)		
SUMMARY OF FINDING	3S - Attach site m	nap showing s	ampling point locat	tions, tra	nsects, in	iportant feati	ures, e	tc.
Hydrophytic Vegetation Prese	ent? Yes	No X	Is the Sampled Area					
Hydric Soil Present?	Yes		within a Wetland?	Υ.	⁄es	No X		
Wetland Hydrology Present?		No X	If yes, optional Wetlan					
Remarks: (Explain alternative		a separate report.)		-				
\ 1	•	. ,						
HYDROLOGY								
Wetland Hydrology Indicato				Second	dary Indicator	s (minimum of tw	o require	<u>ed)</u>
Primary Indicators (minimum	of one is required; chec				ırface Soil Cr	, ,		
Surface Water (A1)		_Water-Stained Le			ainage Pattei			
High Water Table (A2)		_Aquatic Fauna (B			oss Trim Line			
Saturation (A3)		Marl Deposits (B1		Dry-Season Water Table (C2)				
Water Marks (B1)		_Hydrogen Sulfide		Crayfish Burrows (C8)				
Sediment Deposits (B2)		-	heres on Living Roots (C)	
Drift Deposits (B3)		Presence of Redu						
Algal Mat or Crust (B4)Recent Iron Reductio								
Iron Deposits (B5) Thin Muck Su			` '		allow Aquitar			
Inundation Visible on Aer		Other (Explain in	Remarks)			ic Relief (D4)		
Sparsely Vegetated Cond	cave Surface (B8)		Ţ	FA	C-Neutral Te	:st (D5)		
Field Observations:								
Surface Water Present?	Yes No X	Depth (inches):						
Water Table Present?	Yes No X	Depth (inches):						
Saturation Present?	Yes No X	Depth (inches):	Wetland	Hydrology	Present?	Yes	No>	<u><</u>
(includes capillary fringe)		uall acricl alactes		ا ا د ا ا د ا				
Describe Recorded Data (stre	am gauge, monitoring v	veii, aeriai pnotos,	orevious inspections), if a	ivaliable:				
Remarks:								
Nomano.								

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 b	/ :
OBL species0 x 1 =0	
FACW species 0 x 2 = 0	
FAC species 2 x 3 = 6	
FACU species 0 x 4 = 0	
JPL species 8 x 5 = 40	,
Column Totals: 10 (A) 46	(B)
Prevalence Index = B/A = 4.60	
Hydrophytic Vegetation Indicators:	
Rapid Test for Hydrophytic Vegetation	
Dominance Test is >50%	
Prevalence Index is ≤3.0 ¹	
Morphological Adaptations ¹ (Provide sup	porting
data in Remarks or on a separate she	-
Problematic Hydrophytic Vegetation ¹ (Ex	plain)
_	
Indicators of hydric soil and wetland hydrologo present, unless disturbed or problematic.	jy must
Definitions of Vegetation Strata:	
	_
Free – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of	
Sapling/shrub – Woody plants less than 3 in	, DBH
and greater than 3.28 ft (1 m) tall.	. DDI1
Herb – All herbaceous (non-woody) plants, re	nardless
of size, and woody plants less than 3.28 ft ta	
Mondy vines All woody vines greater than	2 20 ft in
neight.	3.20 It III
Hydrophytic	
•	
<u></u> <u></u>	_

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) Color (moist) Loc² (inches) % Type¹ Texture Remarks 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Red Parent Material (TF2) Sandy Redox (S5) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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:

Project/Site: Saratoga Count	ty Airport	Ci	ty/County: Balston Spa	ı, Saratoga	l	Samp	oling Date:	4/26/20)13
Applicant/Owner: Saratoga C	County				State:	NY	Sampling P	oint:	D-W
Investigator(s): Thomas Wirio	-	Se	ection, Township, Rang	e: N/A			_	_	
Landform (hillside, terrace, etc			al relief (concave, conve		Covex		Slop	e (%):	0
Subregion (LRR or MLRA): LF	· ———	_	Long	,			Datum:		
Soil Map Unit Name: SeA- Scio silt loam, 0 to 3 percent slopes					NIVA/I = = = = :	£: +:			
•	•	•			NWI classi				
Are climatic / hydrologic condit		_			no, explair				
Are Vegetation, Soil				nal Circums			Yes	<u>X</u> No	٥ <u> </u>
Are Vegetation, Soil	, or Hydrology	naturally prob	lematic? (If needed	d, explain a	ny answers	s in Rem	narks.)		
SUMMARY OF FINDING	3S - Attach site m	nap showing sa	ampling point loc	ations, tı	ransects	s, impo	ortant feat	ures,	etc.
Hydrophytic Vegetation Brees	ont? Von V	No	Is the Sampled Area	_					
Hydrophytic Vegetation Prese Hydric Soil Present?	ent? Yes X Yes X	No No	Is the Sampled Area within a Wetland?	a	Yes X	No	,		
Wetland Hydrology Present?		No No	If yes, optional Wetla	ınd Site ID:					
Remarks: (Explain alternative			, , , , , , , , , , , , , , , , , , , ,						
Tromano. (Explain altomativ	s procedures riors or in	a coparato roporti,							
HYDROLOGY									
Wetland Hydrology Indicato	ors:			Seco	ondary Indi	cators (n	minimum of to	wo requ	<u>uired)</u>
Primary Indicators (minimum	of one is required; chec				Surface So		, ,		
Surface Water (A1)		_Water-Stained Le			X Drainage Patterns (B10)				
High Water Table (A2)		_Aquatic Fauna (B		Moss Trim Lines (B16)					
Saturation (A3)		_Marl Deposits (B1		Dry-Season Water Table (C2)					
Water Marks (B1)		_Hydrogen Sulfide						20)	
Sediment Deposits (B2) Drift Deposits (B3)		Presence of Redu	heres on Living Roots (· —					,9)
		_	f Reduced Iron (C4) Reduction in Tilled Soils (C6) X Geomorphic Position (D2)			,			
 -			Surface (C7)			Shallow Aquitard (D3)			
l — · · · · · · —			plain in Remarks)				Relief (D4)		
Sparsely Vegetated Cond			,		FAC-Neutr	•	` '		
Field Observations:									
Surface Water Present?	Yes No X	Depth (inches):							
Water Table Present?	Yes No X								
Saturation Present?	Yes No X	-		d Hydrolo	gy Presen	t?	Yes X	No	
(includes capillary fringe)									
Describe Recorded Data (stre	eam gauge, monitoring v	well, aerial photos, ¡	previous inspections), if	available:					
Remarks:									
Remarks.									
Ī									

Absolute % Cover Species? 1.	FAC OBL	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) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 60 x1 = 60 FACW species 0 x2 = 0 FAC species 50 x3 = 150 FACU species 0 x4 = 0 UPL species 0 x5 = 0 Column Totals: 110 (A) 210 (B) Prevalence Index = B/A = 1.91 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)
2. 3. 4. 5. 6. ————————————————————————————————————	OBL	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) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 60 x 1 = 60 FACW species 0 x 2 = 0 FAC species 50 x 3 = 150 FACU species 0 x 4 = 0 UPL species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 110 (A) 210 (B) Prevalence Index = B/A = 1.91 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
4. 5. ————————————————————————————————————	OBL	Species Across All Strata: 3 (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 60 x 1 = 60 FACW species 0 x 2 = 0 FAC species 50 x 3 = 150 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 110 (A) 210 (B) Prevalence Index = B/A = 1.91 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is $\leq 3.0^1$ Morphological Adaptations (Provide supporting)
6.	OBL	That Are OBL, FACW, or FAC: 100.0% (A/B) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 60 x 1 = 60 FACW species 0 x 2 = 0 FAC species 50 x 3 = 150 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 110 (A) 210 (B) Prevalence Index = B/A = 1.91 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is $\leq 3.0^1$ Morphological Adaptations (Provide supporting)
7	OBL	Total % Cover of: Multiply by: OBL species 60 x 1 = 60 FACW species 0 x 2 = 0 FAC species 50 x 3 = 150 FACU species 0 x 4 = 0 UPL species 0 x 5 = 0 Column Totals: 110 (A) 210 (B) Prevalence Index = B/A = 1.91 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
	OBL	OBL species 60 $\times 1 = 60$ FACW species 0 $\times 2 = 0$ FAC species 50 $\times 3 = 150$ FACU species 0 $\times 4 = 0$ UPL species 0 $\times 5 = 0$ Column Totals: 110 (A) 210 (B) Prevalence Index $= B/A = 1.91$ Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is $\le 3.0^1$ Morphological Adaptations (Provide supporting)
Sapling/Shrub Stratum (Plot size:	OBL	OBL species 60 \times 1 = 60 FACW species 0 \times 2 = 0 FAC species 50 \times 3 = 150 FACU species 0 \times 4 = 0 UPL species 0 \times 5 = 0 Column Totals: 110 (A) 210 (B) Prevalence Index = B/A = 1.91 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is \leq 3.01 Morphological Adaptations (Provide supporting)
1. Carex sp. 50 Yes 2. Scirpus cyperinus 30 Yes 3. Juncus effusus 30 Yes 4.	OBL	FACW species 0 $x 2 = 0$ FAC species 50 $x 3 = 150$ FACU species 0 $x 4 = 0$ UPL species 0 $x 5 = 0$ Column Totals: 110 (A) 210 (B) Prevalence Index $= B/A = 1.91$ Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is $>50\%$ X Prevalence Index is $\le 3.0^1$ Morphological Adaptations ¹ (Provide supporting
2. Scirpus cyperinus 30 Yes 3. Juncus effusus 30 Yes 4.	OBL	FAC species 50 $\times 3 = 150$ FACU species 0 $\times 4 = 0$ UPL species 0 $\times 5 = 0$ Column Totals: 110 (A) 210 (B) Prevalence Index $= B/A = 1.91$ Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is $>50\%$ X Prevalence Index is $\le 3.0^1$ Morphological Adaptations ¹ (Provide supporting
3. Juncus effusus 30 Yes 4		FACU species 0 $x 4 = 0$ UPL species 0 $x 5 = 0$ Column Totals: 110 (A) 210 (B) Prevalence Index $= B/A = 1.91$ Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is $\le 3.0^1$ Morphological Adaptations ¹ (Provide supporting
4	OBL	UPL species 0 x 5 = 0 Column Totals: 110 (A) 210 (B) Prevalence Index = B/A = 1.91 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
5		Column Totals: 110 (A) 210 (B) Prevalence Index = B/A = 1.91 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
6.		Prevalence Index = B/A = 1.91 Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
7		Hydrophytic Vegetation Indicators: Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
		Rapid Test for Hydrophytic Vegetation X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
Herb Stratum (Plot size:)		 X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
1		X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
1		X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ (Provide supporting
2		- I
3		- I
4		
5.		Problematic Hydrophytic Vegetation ¹ (Explain)
6.		 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.		Definitions of Vegetation Strata:
8		Tree – Woody plants 3 in. (7.6 cm) or more in
9	-	diameter at breast height (DBH), regardless of height.
11.		 Sapling/shrub – Woody plants less than 3 in. DBH and greater than 3.28 ft (1 m) tall.
12		- Herb – All herbaceous (non-woody) plants, regardless
=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:) 1		Woody vines – All woody vines greater than 3.28 ft in height.
2.		
3.		Hydrophytic
4.	•	- Vegetation Present? Yes X No
=Total Cover	•	- · · · · · · · · · · · · · · · · · ·
Remarks: (Include photo numbers here or on a separate sheet.)		

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) % Color (moist) Loc² (inches) % Type¹ Texture Remarks 0-11 10YR 2/1 98 5YR 3/4 2 Sandy Prominent redox concentrations 11-16 10YR 5/2 97 7.5YR 3/4 3 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) X Sandy Redox (S5) Red Parent Material (TF2) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) X Dark Surface (S7) (LRR R, MLRA 149B) 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?** No Remarks:

Project/Site: Saratoga County Airport	City/County: Ba	alston Spa, Saratoga	Sampling Date: 4/26/2013
Applicant/Owner: Saratoga County		State:	NY Sampling Point: E-U
Investigator(s): Thomas Wirickx	Section, Towns	hip, Range: N/A	
Landform (hillside, terrace, etc.): Plain		ave, 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 percer			ification: N/A
Are climatic / hydrologic conditions on the site typical for	·		n in Remarks.)
Are Vegetation, Soil, or Hydrology	<u>-</u>	Are "Normal Circumstances" pr	
Are Vegetation, Soil, or Hydrology _	naturally problematic?	(If needed, explain any answers	s in Remarks.)
SUMMARY OF FINDINGS – Attach site m	nap showing sampling po	oint locations, transects	s, important features, etc.
Hydrophytic Vegetation Present? Yes	No X Is the Sam	pled Area	
Hydric Soil Present? Yes			No X
Wetland Hydrology Present? Yes	No X If yes, optio	onal Wetland Site ID:	<u> </u>
Remarks: (Explain alternative procedures here or in a			
HYDROLOGY			
Wetland Hydrology Indicators:		-	cators (minimum of two required)
Primary Indicators (minimum of one is required; check			oil Cracks (B6)
Surface Water (A1)	_Water-Stained Leaves (B9)		Patterns (B10)
High Water Table (A2)	_Aquatic Fauna (B13)		Lines (B16)
Saturation (A3)	Marl Deposits (B15)		n Water Table (C2)
Water Marks (B1) Sodiment Deposits (B2)	_ Hydrogen Sulfide Odor (C1)	 ·	urrows (C8)
Sediment Deposits (B2)	Oxidized Rhizospheres on Livin	- · · · · · · · · · · · · · · · · · · ·	Visible on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron (C4)		Stressed Plants (D1)
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7)			ic Position (D2) quitard (D3)
Inundation Visible on Aerial Imagery (B7)	_Thin Muck Surface (C7) Other (Explain in Remarks)		graphic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	- Other (Explain in Remaine)	· · · · · · · · · · · · · · · · · · ·	ral Test (D5)
Field Observations:			ur rost (50)
	Depth (inches):		
Water Table Present? Yes No X	Depth (inches):		
Saturation Present? Yes No X	Depth (inches): Depth (inches):	Wetland Hydrology Presen	t? Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring w	well, aerial photos, previous inspe	ections), if available:	
		•	
Remarks:			

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
· <u></u>				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/
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:	_)			OBL species0 x 1 =0
Schizachyrium scoparium	30	Yes	UPL	FACW species 0 x 2 = 0
Lycopodium clavatum	30	Yes	FAC	FAC species 35 x 3 = 105
Gaultheria procumbens	30	Yes	FACU	FACU species 40 x 4 = 160
Comptonia peregrina	10	No	FACU	UPL species 30 x 5 = 150
Kalmia angustifolia	<u> </u>	No	FAC	Column Totals: 105 (A) 415 (
	_			Prevalence Index = B/A = 3.95
-				
		T-1-1-0		Hydrophytic Vegetation Indicators:
	105	=Total Cover		Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:)				Dominance Test is >50%
				Prevalence Index is ≤3.0 ¹
				Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
				The disease of booking and condend booking over
				¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Deminions of Vegetation Strata.
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of heigh
				Sapling/shrub – Woody plants less than 3 in. DBH
· <u> </u>				and greater than 3.28 ft (1 m) tall.
· <u> </u>				Herb – All herbaceous (non-woody) plants, regardle
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size:)			Woody vines – All woody vines greater than 3.28 ft
	_			height.
				Hydrophytic
				Vegetation Present? Yes No X
				Present? Yes No X
		=Total Cover		

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) % Color (moist) Loc² (inches) % Type¹ Texture Remarks 0-2 10YR 3/2 100 Sandy 2-16 10YR 4/4 98 10YR 4/6 Sandy Distinct 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Red Parent Material (TF2) Sandy Redox (S5) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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:

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	
Are Vegetation, Soil, or Hydrologysignifi	ficantly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynatura	rally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map show	ving sampling point locations, transects, important features, etc.
Lhidrahida Variation Present?	In the Complet Area
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No	Is the Sampled Area within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID: Wetland E
Remarks: (Explain alternative procedures here or in a separate	report.)
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that ap	
	ained Leaves (B9) X Drainage Patterns (B10)
 -	rauna (B13) Moss Trim Lines (B16)
	osits (B15) Dry-Season Water Table (C2)
	n Sulfide Odor (C1) Crayfish Burrows (C8)
	Rhizospheres on Living Roots (C3) X Saturation Visible on Aerial Imagery (C9)
l 	e of Reduced Iron (C4) Stunted or Stressed Plants (D1)
 -	on Reduction in Tilled Soils (C6) X Geomorphic Position (D2)
1 <u> </u>	k Surface (C7) Shallow Aquitard (D3)
l <u> </u>	cplain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
	TAO Nedital Test (Bb)
Field Observations:	(and and a
	nches):
Water Table Present? Yes No X Depth (in	
	nches): Wetland Hydrology Present? Yes X No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial p	photos provious inspections) if available:
Describe Recorded Data (stream gauge, monitoring well, aerial p	priotos, previous inspections), il avaliable.
Remarks:	
Remarks.	

ACW species 0 x AC species 40 x ACU species 0 x PL species 0 x olumn Totals: 110 (A Prevalence Index = B/A = ydrophytic Vegetation Indicate Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	2 (I 100.0% (A Multiply by: 1 = 70 2 = 0 3 = 120 4 = 0 5 = 0 A) 190 1.73 Pors: Provide supporting the supporting th	- - -
that Are OBL, FACW, or FAC: otal Number of Dominant pecies Across All Strata: ercent of Dominant Species that Are OBL, FACW, or FAC: revalence Index worksheet: Total % Cover of: BL species 70 x ACW species 0 x ACU species 0 x PL species 0 x olumn Totals: 110 (# Prevalence Index = B/A = ydrophytic Vegetation Indicat Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	2 (I 100.0% (A Multiply by: 1 = 70 2 = 0 3 = 120 4 = 0 5 = 0 A) 190 1.73 Pors: Provide supporting the supporting th	(A/B)
pecies Across All Strata: ercent of Dominant Species hat Are OBL, FACW, or FAC: revalence Index worksheet: Total % Cover of: BL species 70 x ACW species 0 x ACU species 0 x PL species 0 x olumn Totals: 110 (// Prevalence Index = B/A = ydrophytic Vegetation Indicate Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	100.0% (A Multiply by: 1 = 70 2 = 0 3 = 120 4 = 0 5 = 0 190 1.73 Pors: //egetation	(A/B) - - - -
hat Are OBL, FACW, or FAC: revalence Index worksheet: Total % Cover of: BL species 70 x ACW species 0 x ACU species 0 x PL species 0 x olumn Totals: 110 (A Prevalence Index = B/A = ydrophytic Vegetation Indicate Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	Multiply by: 1 = 70 2 = 0 3 = 120 4 = 0 5 = 0 190 1.73 Pors: (Provide supporting the su	<u> </u>
Total % Cover of: BL species 70 x ACW species 0 x AC species 40 x ACU species 0 x PL species 0 x olumn Totals: 110 (A Prevalence Index = B/A = ydrophytic Vegetation Indicate Rapid Test for Hydrophytic \(X \) X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s		- - -
BL species 70 x ACW species 0 x AC species 40 x ACU species 0 x PL species 0 x olumn Totals: 110 (// Prevalence Index = B/A = ydrophytic Vegetation Indicate Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.01 Morphological Adaptations 1 data in Remarks or on a s		- - -
BL species 70 x ACW species 0 x AC species 40 x ACU species 0 x PL species 0 x olumn Totals: 110 (// Prevalence Index = B/A = ydrophytic Vegetation Indicate Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.01 Morphological Adaptations 1 data in Remarks or on a s		- - -
ACW species 0 x AC species 40 x ACU species 0 x PL species 0 x olumn Totals: 110 (A Prevalence Index = B/A = ydrophytic Vegetation Indicate Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	2 = 0 $3 = 120$ $4 = 0$ $5 = 0$ 190 1.73 ors: (Provide supporting)	- - -
AC species 40 x ACU species 0 x PL species 0 x olumn Totals: 110 (A Prevalence Index = B/A = ydrophytic Vegetation Indicat Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	3 = 120 4 = 0 5 = 0 190 1.73 Pers: /egetation	- - -
ACU species 0 x PL species 0 x olumn Totals: 110 (A Prevalence Index = B/A = ydrophytic Vegetation Indicat Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	4 = 0 $5 = 0$ 190 1.73 ors: 'egetation (Provide supporting)	- - - (B)
PL species 0 x olumn Totals: 110 (A Prevalence Index = B/A = ydrophytic Vegetation Indicat Rapid Test for Hydrophytic V X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	$5 = \frac{0}{190}$ 1.73 Fors: General department of the control o	- - (B)
olumn Totals: 110 (A Prevalence Index = B/A = ydrophytic Vegetation Indicat Rapid Test for Hydrophytic \ X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	190 1.73 ors: egetation (Provide supporting)	- (B) -
Prevalence Index = B/A = ydrophytic Vegetation Indicat Rapid Test for Hydrophytic \ X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	1.73 ors: regetation (Provide supporting)	_(B)
ydrophytic Vegetation Indicat Rapid Test for Hydrophytic \ X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	ors: /egetation (Provide supporting)	
Rapid Test for Hydrophytic \ X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s	egetation (Provide supporting	
 X Dominance Test is >50% X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s 	(Provide supportir	
X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s		
X Prevalence Index is ≤3.0¹ Morphological Adaptations¹ data in Remarks or on a s		
data in Remarks or on a s		
data in Remarks or on a s		na
Problematic Hydrophytic Ve	eparate sheet)	3
Problematic Hydrophytic Vegetation ¹ (Explain		
ndicators of hydric soil and wetle present, unless disturbed or p		ust
efinitions of Vegetation Strate		
ree – Woody plants 3 in. (7.6 cı		
diameter at breast height (DBH), regardless of h		
 Sapling/shrub – Woody plants less than 3 in. Dand greater than 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regarders. 		
	greater than 3.28	ft in
_	No	
	f size, and woody plants less that	f size, and woody plants less than 3.28 ft tall. Voody vines – All woody vines greater than 3.28 eight. lydrophytic egetation

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) % Color (moist) Loc² (inches) % Type¹ Texture Remarks 0-11 10YR 2/1 90 5YR 3/4 10 Sandy Prominent redox concentrations 11-16 10YR 4/3 97 10YR 4/6 3 Sandy Distinct 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) X Sandy Redox (S5) Red Parent Material (TF2) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) X Dark Surface (S7) (LRR R, MLRA 149B) 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?** No Remarks:

Project/Site: Saratoga County Airport	City/County: Bal	ston Spa, Saratoga	Sampling Date: <u>4/26/2013</u>			
Applicant/Owner: Saratoga County		State:	NY Sampling Point: F-U			
Investigator(s): Thomas Wirickx	Section, Townsh	ip. Range: N/A				
Landform (hillside, terrace, etc.): Plain	Local relief (concav		Slope (%): 1			
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat:		Long:	Datum:			
Soil Map Unit Name: SeA- Scio silt loam, 0 to 3 percen			ication: N/A			
Are climatic / hydrologic conditions on the site typical fo	<u> </u>	X No (If no, explain	in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly disturbed? A	re "Normal Circumstances" pr	esent? Yes X No			
Are Vegetation, Soil, or Hydrology	naturally problematic? (f needed, explain any answers	s in Remarks.)			
SUMMARY OF FINDINGS - Attach site ma	ap showing sampling po	int locations, transects	, important features, etc.			
Hydrophytic Vegetation Present? Yes	No X Is the Samp	aled Δrea				
Hydric Soil Present? Yes	No X within a We		NoX			
Wetland Hydrology Present? Yes		nal Wetland Site ID:	<u> </u>			
Remarks: (Explain alternative procedures here or in a						
(=:,p:a a.to:::a.to procedures note of in a						
HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indic	cators (minimum of two required)			
Primary Indicators (minimum of one is required; check	all that apply)	•	il Cracks (B6)			
<u> </u>	Water-Stained Leaves (B9)		Drainage Patterns (B10)			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water Table (C2)			
Water Marks (B1)	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on Living		Visible on Aerial Imagery (C9)			
Drift Deposits (B3)		Stunted or Stressed Plants (D1)				
Drift Deposits (B3) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6)			Geomorphic Position (D2)			
Iron Deposits (B5) Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks)			Shallow Aquitard (D3) Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)			FAC-Neutral Test (D5)			
			2. 1001 (20)			
Field Observations:	Double (in aboat)					
Surface Water Present? Yes No X	Depth (inches):					
Water Table Present? Yes No X	Depth (inches):	Matlend Hudualam, Duacan	No. No. No. V			
Saturation Present? Yes No X (includes capillary fringe)	Depth (inches):	Wetland Hydrology Present	t? Yes No _X			
Describe Recorded Data (stream gauge, monitoring w	all agrial photos, provious inspec	ctions) if available:				
Describe Recorded Data (stream gauge, monitoring w	eli, aeriai priotos, previous irisper	Stioris), ii avaliable.				
Remarks:						
Remarks.						

VEGETATION – Use scientific names of pa				Sampling	Point:	F-U	
Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC	:	1	(A)
3. 4.		<u> </u>		Total Number of Dominant Species Across All Strata:		5	(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC	:	20.0%	– (A/B)
7				Prevalence Index worksheet			<u>= ` ´</u>
·		=Total Cover		Total % Cover of:		ultiply by:	
Sapling/Shrub Stratum (Plot size:)		- Total Cover		OBL species 0	x 1 =	0	_
1.				FACW species 0	x 2 =	0	
2.				FAC species 42	x 3 =	126	
3.				FACU species 90	x 4 =	360	
4.				UPL species 0	x 5 =	0	
5.				Column Totals: 132	(A)	486	— (B)
6.				Prevalence Index = B/A	-	3.68	`
7.				Hydrophytic Vegetation Indi			
··		=Total Cover		Rapid Test for Hydrophyti			
Herb Stratum (Plot size:)		- Total Gover		Dominance Test is >50%	c veget	ation	
	40	Vaa	FAC	Prevalence Index is ≤3.0¹			
1. Lycopodium clavatum		Yes				ida ayana	rtina
2. Gaultheria procumbens	20	Yes	FACU	Morphological Adaptation data in Remarks or on a			-
3. Poa pratensis	20	Yes	FACU				
4. Vaccinium angustifolium	20	Yes	FACU	Problematic Hydrophytic \	√egetati	on' (Expl	ain)
5. Potentilla canadensis	20	Yes	FACU	¹ Indicators of hydric soil and w			must
6. Comptonia peregrina	10	No	FACU	be present, unless disturbed o	r proble	matic.	
7. Solidago rugosa	2	No	FAC	Definitions of Vegetation Str	ata:		
8. 9.				Tree – Woody plants 3 in. (7.6 diameter at breast height (DBI			neight.
10.				Sapling/shrub – Woody plant		nan 3 in. [ЭВН
11.				and greater than 3.28 ft (1 m)	tall.		
12.	132	=Total Cover		 Herb – All herbaceous (non-woody) plants, regar of size, and woody plants less than 3.28 ft tall. 			ardless
Woody Vine Stratum (Plot size:) 1				Woody vines – All woody vine height.	es great	er than 3.	28 ft in
2.				- U			
				Hydrophytic			
				Vegetation Present? Yes	N	o X	
4.		=Total Cover		11030111: 103	— "	<u> </u>	
Describer (Inches of the property of the prope		•		<u> </u>			
Remarks: (Include photo numbers here or on a sepa	arate sneet.)						

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features (inches) Color (moist) % Color (moist) % Loc² Type¹ Texture Remarks 0-8 10YR 3/3 100 Sandy 8-16 10YR 4/6 100 Sandy ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: **Hydric Soil Indicators:** Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Depleted Dark Surface (F7) Sandy Mucky Mineral (S1) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Sandy Redox (S5) Red Parent Material (TF2) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) 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:

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 tim		
Are Vegetation, Soil, or Hydrologysign		
Are Vegetation, Soil, or Hydrologynatu	urally problematic? (If needed, explain any answers in Remarks.)	
	wing sampling point locations, transects, important features, etc.	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area	
Hydric Soil Present? Yes X No	within a Wetland? Yes X No No	
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Wetland F	
HYDROLOGY Westernd Hydrology Indicators:	Cadam Indicators (minimum of two required)	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that s	Secondary Indicators (minimum of two required)	
Primary Indicators (minimum of one is required; check all that a Surface Water (A1) Water-S	apply) Surface Soil Cracks (B6) Itained Leaves (B9) X Drainage Patterns (B10)	
1 	Fauna (B13) Moss Trim Lines (B16)	
	posits (B15)	
	en Sulfide Odor (C1) Crayfish Burrows (C8)	
	d Rhizospheres on Living Roots (C3) X Saturation Visible on Aerial Imagery (C9)	
	te of Reduced Iron (C4) Stunted or Stressed Plants (D1)	
1 	ron Reduction in Tilled Soils (C6) X Geomorphic Position (D2)	
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)		
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)	
Field Observations:		
Surface Water Present? Yes NoX Depth	(inches):	
Water Table Present? Yes No X Depth Saturation Present? Yes No X Depth	(inches):	
	(inches): Wetland Hydrology Present? Yes X No	
(includes capillary fringe)		
Describe Recorded Data (stream gauge, monitoring well, aerial	l photos, previous inspections), if available:	
Remarks:		
Kelliano.		

Tree Stratum (Plot size:	Total Cover Yes Yes	Indicator Status	Number of Domina That Are OBL, FAG Total Number of D Species Across All Percent of Domina That Are OBL, FAG Prevalence Index Total % Cove OBL species	ant Species CW, or FAC ominant I Strata: ant Species CW, or FAC workshee	: ::	1 2 50.0%	_(A) _(B) _(A/B)
2. 3. 3. 4. 5. 6. 7. = Sapling/Shrub Stratum (Plot size:)) 1. Carex sp	Total Cover Yes Yes	UNK	That Are OBL, FACTOR Total Number of Dispecies Across All Percent of Domina That Are OBL, FACTOR Prevalence Index Total % Coverging Total % Coverging That Are OBL, FACTOR Total % Coverging Tot	ominant I Strata: Int Species CW, or FAC	: _ _ : _	2	(B)
4.	Total Cover Yes Yes	UNK	Percent of Domina That Are OBL, FAC Prevalence Index Total % Cove	I Strata: int Species CW, or FAC workshee):		_
6.	Total Cover Yes Yes	UNK	That Are OBL, FACE Prevalence Index Total % Cove	workshee):	50.0%	_(A/B)
7	Total Cover Yes Yes	UNK	Total % Cove		t:		
Sapling/Shrub Stratum (Plot size:	Yes Yes	UNK	-	er of:			
1. Carex sp. 50 2. Agrostis gigantea 20 3. Scirpus cyperinus 10	Yes	UNK	OPI aposica		N	Multiply by:	
1. Carex sp. 50 2. Agrostis gigantea 20 3. Scirpus cyperinus 10	Yes	UNK	ODL Species	12		12	
2.Agrostis gigantea203.Scirpus cyperinus10	Yes		FACW species			. 0	
3. Scirpus cyperinus 10		FAC	FAC species			60	_
	No	OBL	FACU species			. 0	
T. dunicus cirusus	No	OBL	UPL species			0	
5.		ODL	Column Totals:				— (B)
							— ^(b)
			Prevalence Hydrophytic Vege				
7	92 —Total Cover						
	Total Cover		Rapid Test for		_	etation	
Herb Stratum (Plot size:)			Dominance Te				
1			X Prevalence Inc				
3.			Morphological data in Rem				rting
4			Problematic H	ydrophytic	Vegeta	ation ¹ (Expl	ain)
5			¹ Indicators of hydri be present, unless				must
7.			Definitions of Veç	getation St	rata:		
8			Tree – Woody plar diameter at breast				height.
10. 11.			Sapling/shrub – V and greater than 3			than 3 in. l	ЭВН
12	Total Cover		 Herb – All herbaceous (non-woody) plants, regard of size, and woody plants less than 3.28 ft tall. 			ardless	
Woody Vine Stratum (Plot size:) 1.			Woody vines – All height.				.28 ft in
2.							
3.			Hydrophytic				
4.			Vegetation Present?	Yes >	<	No	
	Total Cover				_		
Remarks: (Include photo numbers here or on a separate sheet.)	. Julia Juvei		1				

SOIL Sampling Point: Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Depth Redox Features Color (moist) % Color (moist) Loc² (inches) % Type¹ Texture Remarks 0-8.5 10YR 2/1 95 5YR 3/4 5 Sandy Prominent redox concentrations 2.5YR 4/3 98 10YR 4/6 2 Sandy 8.5-16 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:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Histic Epipedon (A2) MLRA 149B) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Gleyed Matrix (S4) Redox Depressions (F8) X Sandy Redox (S5) Red Parent Material (TF2) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) X Dark Surface (S7) (LRR R, MLRA 149B) 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?** 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