ACAA Approved
08/07/2023

Minutes a Special Meeting of the Albany County Airport Authority

July 17, 2023

Pursuant to notice duly given and posted, a Special meeting of the Albany County Airport Authority was called to order on Monday, July 17, 2023 @ 10:00 a.m. in the 3rd Floor Conference Room of the main terminal located at the Albany International Airport by Chairman Samuel A. Fresina with the following present:

MEMBERS PRESENT	MEMBERS ABSENT
Samuel A. Fresina	Thomas A. Nardacci
Kevin R. Hicks, Sr.	Janet Thayer
Steven H. Heider	
Sari M. O'Connor	
John-Raphael Pichardo	

STAFF

Philip F. Calderone, Esq.
Christine C. Quinn
Matt Cannon
Michael F. Zonsius
Liz Charland
John LaClair
Margaret Herrmann
Connor Haskin
Jenn Munger

ATTENDEES

Todd Pennington, AvPorts Airport Manager
Carmiena Brooks, Assistant Airport Manager
George Penn, Director of Operations Albany County
Cameron Sagan, Albany County

Chair Fresina noted that there was a quorum.

Action Items:

1. ***Tabled Item 10.8 From July 10, 2023 Board Meeting***

State Environmental Quality Review (SEQR)

Authorization to Accept the Draft SEQR Environmental Assessment Form (EAF) and Adopt a SEQR Negative Declaration for Runway 01 Service Road Construction

Mr. Haskin recommended authorization to accept the SEQR Environmental Assessment Form and adopt a SEQR Negative Declaration for the proposed Runway 01 Service Road and associated fence relocation project pursuant to provisions of the New York State Environmental Quality Review Act. He advised the proposed action is defined as a SEQR "Type 1" and required the preparation of an Environmental Assessment. The Full Environmental Assessment is attached with a project site location map. Proposed funding has been identified with a combination of Federal, State, and Airport funds for the associated project. The proposed service road will allow access between the southeast and the southwest portions of the airfield, without leaving the secured area. This will enable enhanced security patrols and reduced operations travel time along the southern perimeter of the airfield. The proposed project impacts portions of existing wetlands located on the southern portion of the property. Necessary coordination with the Federal Aviation Administration, US Army Corps of Engineers (USACE), and NYS Department of Environmental Conservation (NYSDEC) has been undertaken. Wetland remediation and mitigation permits have been submitted and are pending issuance, dependent on the SEQR Negative Declaration. Compensatory remediation is proposed within the NYS Mohawk Valley Heritage Corridor, in cooperation with USACE and NYSDEC.

Mr. Pichardo moved to accept the SEQR Environmental Assessment Form and adopt a SEQR Negative Declaration for the proposed Runway 01 Service Road and associated fence relocation project pursuant to provisions of the New York State Environmental Quality Review Act. The motion was adopted unanimously.

2. ***Tabled Item 10.9 From July 10, 2023 Board Meeting***

Service Contract: Professional Services Contract No. 23-1148
Government Banking Services award to: KeyBank, N.A., 66 South Pearl Street Albany, NY 12207

Mr. Zonsius recommended authorization to award Professional Services Contract No. 23-1148 Government Banking Services award to: KeyBank, N.A., 66 South Pearl Street, Albany, New York 12207 for Government Banking Services. He advised the Authority issued a Request for Proposal for Government Banking Services on May 9, 2023.

The Authority received four (4) proposals to provide said services and an evaluation committee selected KeyBank N.A. as the qualified proposer that offered the best value.

Mr. Hicks moved to approve the award Professional Services Contract No. 23-1148 for Government Banking Services and award to KeyBank, N.A., 66 South Pearl Street Albany, NY 12207. The motion was adopted unanimously.

Executive Session - Attorney-Client Privilege Matters

Chair Fresina made a motion to go into executive session to discuss:

ES-1 Matter of Attorney-Client Privilege

There being no further business, the meeting was adjourning at 10:24 a.m.

ALBANY COUNTY AIRPORT AUTHORITY

SPECIAL MEETING

AGENDA

July 17, 2023

Action Items:

1. ***Tabled Item 10.8 From July 10, 2023 Board Meeting***

State Environmental Quality Review (SEQR)

Authorization to Accept the Draft SEQR Environmental Assessment Form (EAF) and Adopt a SEQR Negative Declaration for Runway 01 Service Road Construction

2. ***Tabled Item 10.9 From July 10, 2023 Board Meeting***

Service Contract: Professional Services Contract No. 23-1148
Government Banking Services award to: KeyBank, N.A., 66 South Pearl Street Albany, NY 12207

NOTICE

Posted Website &
Information Desk
7/12/23

ALBANY COUNTY AIRPORT AUTHORITY
SPECIAL MEETING NOTICE

Notice is hereby given of the following Special meeting of the Albany County Airport Authority:

The Albany County Airport Authority will hold a Special Meeting on **Monday, July 17, 2023 at 10:00 a.m.** in the 3rd Floor Conference Room located in the Main Terminal at the Albany International Airport, Albany, New York.

ALBANY COUNTY AIRPORT AUTHORITY
SPECIAL MEETING NOTICE

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Albany Times Union
News Plaza
Box 15000
Albany, New York 12212

ALBANY INTERNATIONAL AIRPORT

737 ALBANY SHAKER RD

Albany NY 12211

Account Number: 061026000
Order Number: IPLATU0016107
Order Invoice Text: SPECIAL MEETING NOTICE

D LaCoppola / T Duquette / A Bergdoll of the city of Albany, being duly sworn, says that he/she is a prinicpal Clerk of THE TIMES UNION, a daily newspaper printed in the county of Albany, Town of Colonie, and Published in the County of Albany, Town of Colonie and the City of Albany, aforesaid and that notice of which a printed copy is annexed has been regularly published in the said ALBANY TIMES UNION on the following dates

07/17/2023

7/17/23

Denise R. LaCoppola

SUSAN QUINE
NOTARY PUBLIC-STATE OF NEW YORK
No. 01QU6396414
Qualified in Rensselaer County
My Commission Expires 08-19-2027

Subscribed and sworn to before me, this 17 day of July, 2023

Notary Public Albany County

IPLATU0016107

Liz Charland

From: Liz Charland
Sent: Thursday, July 13, 2023 9:02 AM
To: Bart Johnson; Brandon Russell, Majority Counsel; Brian King; Carl Stewart (Turner); County Executive Daniel P. McCoy; Dave Collins; Fire Chief Dave Cook; Frank Mauriello, Albany County Minority Leader; George Penn (Albany County); Jeremy Martelle (CHA); Jill Bryce; Kelly Melaragno (CHA); Larry Rulison (Times Union); LRulison (Times Union); Lynne Lekakis Mass Transit Committee; Majority Leader Dennis Feeney; Mary Rozak (Albany County); Mike DeMasi (Business Review); mmangini; Pete Rea (prea@dot.state.ny.us); Rich Amadon (CHA); Rick Karlin; Rob Wagner (Turner); Spotlight News; Todd Pennington; WRGB News
Subject: ACAA Meeting Notice - Monday July 17, 2023 at 10:00 a.m.

ALBANY COUNTY AIRPORT AUTHORITY
SPECIAL MEETING NOTICE

Notice is hereby given of the following Special meeting of the Albany County Airport Authority:

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Liz Charland

From: Liz Charland
Sent: Thursday, July 13, 2023 9:01 AM
To: Saratogian Newspapers; The Colonie Spotlight; The Gazette; The Troy Record
Subject: ACAA Meeting Notice - Monday July 17, 2023 at 10:00 a.m.

ALBANY COUNTY AIRPORT AUTHORITY
SPECIAL MEETING NOTICE

Notice is hereby given of the following Special meeting of the Albany County Airport Authority:

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Liz Charland

From: Liz Charland
Sent: Thursday, July 13, 2023 9:03 AM
To: Board Room; Bobbi Matthews; Brian King; Carmiena Brooks; Chris Quinn; Connor Haskin; Dave Collins; Doug Myers; Dwayne Lovely; Fire Chief Dave Cook; Helen Chadderdon; Jenn Munger; Jim O'Brien; John LaClair; Katie Kane; Katie Mahoney; Kevin Hehir; Liz Charland; Margaret Herrmann; Matt Cannon; Michael Zonsius; Phil Calderone; Ray Camilli; Todd Pennington
Subject: Special Meeting Notice - Monday July 17, 2023 at 10:00 a.m.

ALBANY COUNTY AIRPORT AUTHORITY
SPECIAL MEETING NOTICE

Notice is hereby given of the following Special meeting of the Albany County Airport Authority:

The Albany County Airport Authority will hold a Special Meeting on **Monday, July 17, 2023 at 10:00 a.m.** in the 3rd Floor Conference Room located in the Main Terminal at the Albany International Airport, Albany, New York.

Liz Charland

From: Liz Charland
Sent: Thursday, July 13, 2023 9:04 AM
To: TU Legals
Subject: Account No. 061026000 - Please publish one time ASAP

ALBANY COUNTY AIRPORT AUTHORITY
SPECIAL MEETING NOTICE

Notice is hereby given of the following Special meeting of the Albany County Airport Authority:

The Albany County Airport Authority will hold a Special Meeting on **Monday, July 17, 2023 at 10:00 a.m.** in the 3rd Floor Conference Room located in the Main Terminal at the Albany International Airport, Albany, New York.

From: Liz Charland
Sent: Wednesday, July 5, 2023 9:04 AM
To: TU Legals <TULegals@TimesUnion.com>
Subject: Account No. 061026000
Importance: High

August 17, 2023

Gavin Fahnestock, Manager, Aviation Planning
Atkins North America, Inc.
2671 W Eau Gallie Blvd., Suite 104
Melbourne, FL 32935

Re: Advisory Services
Contract No. – S-1154

Dear Mr. Fahnestock:

Enclosed are two (2) copies of the above referenced Professional Services Agreement.

Please review the enclosed agreements, sign and have notarized where indicated and return them to this office for final execution. Please include one copy of the insurance certificates, including Workers' Compensation and New York State Disability Benefits.

If you have any questions with regard to the above, please contact me.

Very truly yours,

Christine C. Quinn
Authority Counsel

CCQ:jam
Enclosures
cc: Philip F. Calderone, Esq., Chief Executive Officer
Michael F. Zonsius, Chief Financial Officer
John LaClair, Chief Engineer
Connor Haskin, Airport Planner

U:\LEGAL\CONTRACTS\S-1154\ltr 01.docx

AGENDA ITEM NO. 1

Tabled Item 10.8 From July 10, 2023 Board Meeting

State Environmental Quality Review (SEQR)

Authorization to Accept the Draft SEQR Environmental Assessment Form (EAF) and Adopt a SEQR Negative Declaration for Runway 01 Service Road Construction

AGENDA ITEM NO: 1
SPECIAL
MEETING DATE: July 17, 2023

ALBANY COUNTY AIRPORT AUTHORITY
REQUEST FOR AUTHORIZATION

ACAA Approved
07/17/2023

DEPARTMENT: *Planning and Environmental*

Contact Person: *Connor Haskin, ENV SP, Chief Airport Planner*

PURPOSE OF REQUEST: *Tabled Item 10.8 From July 10, 2023 Board Meeting*

State Environmental Quality Review (SEQR)

Authorization to Accept the Draft SEQR Environmental Assessment Form (EAF) and Adopt a SEQR Negative Declaration for Runway 01 Service Road Construction

CONTRACT AMOUNT: *Not Applicable*

BUDGET INFORMATION:

Anticipated in Current ALB Capital Plan: Yes √ No ___ NA
Funding Account No.: *40-2002*

FISCAL IMPACT - FUNDING (Dollars or Percentages)

Federal *90%* **State** *5%* **Airport :** *5%*
Term of Funding: *2024*
Grant No.: *TBD* **; STATE PIN:** *TBD* **;**

JUSTIFICATION:

Pursuant to provisions of the New York State Environmental Quality Review Act, authorization is requested to accept the SEQR Environmental Assessment Form and adopt a SEQR Negative Declaration for the proposed Runway 01 Service Road and associated fence relocation project. The proposed action is defined as a SEQR "Type 1" and required the preparation of an Environmental Assessment. The Full Environmental Assessment is attached with a project site location map. Proposed funding has been identified with a combination of Federal, State, and Airport funds for the associated project. The proposed service road will allow access between the southeast and the southwest portions of the airfield, without leaving the secured area. This will enable enhanced security patrols and reduced operations travel time along the southern perimeter of the airfield. The proposed project impacts portions of existing wetlands located on the southern portion of the property. Necessary coordination with the Federal Aviation Administration, US Army Corps of Engineers (USACE), and NYS Department of Environmental Conservation (NYSDEC) has been undertaken. Wetland remediation and mitigation permits have been submitted and are pending issuance, dependent on the SEQR Negative Declaration. Compensatory remediation is proposed within the NYS Mohawk Valley Heritage Corridor, in cooperation with USACE and NYSDEC.

AGENDA ITEM NO: 1
SPECIAL
MEETING DATE: July 17, 2023

PROCUREMENT DEPARTMENT APPROVAL:

Procurement complies with Authority Procurement Guidelines and Chief Financial Officer has approved. **YES_____ NA__✓__**

CHIEF EXECUTIVE OFFICER'S RECOMMENDATION:

Recommend approval.

FINAL AGREEMENT SUBJECT TO APPROVAL BY COUNSEL: YES__/___ NA_____

BACK-UP MATERIAL:

Please refer to the attached Site Plan, and complete NYS SEQR Environmental Assessment.

December xx, 2022

To: Involved and Interested Agencies (via email)

RE: Request for Lead Agency Status
Albany International Airport
Runway 1 Airport Service Road & Runway 28 Perimeter Fence
Town of Colonie, Albany County, NY
CHA Project No.: 077565

The Albany County Airport Authority is requesting Lead Agency Status for the proposed Runway 1 Airport Service Road and Runway 28 Perimeter Fence projects. The projects are located at the Albany International Airport, 737 Albany Shaker Road, Town of Colonie, New York.

The Runway 1 work entails the installation of approximately 5,700 linear feet of 12 feet wide asphalt paved perimeter road with 2-foot paved shoulders on either side and will include additional grading and the placement of a culvert. The road will be constructed inside the security fence on the southern end and eastern side of Primary Runway 01-19 to enhance airfield security. The Runway 28 work entails the relocation of approximately 1,500 feet of existing perimeter fence.

Enclosed you will find Part 1 of the Full Environmental Assessment Form, project location maps and concept plans. In accordance with the State Environmental Quality Review Act, the Involved Agencies have up to thirty days to respond to this request. If you have any questions, please contact me at 518-453-8211 or at nfrazer@chacompanies.com.

Sincerely,

Nicole E. Frazer
Principal Scientist

CC: Mark Heckroth-CHA
Steve Iachetta- ACAA

\\cha-llp.com\proj\Projects\ANY\K6\077565.000\08_Reports\SEQR\Cover letter.doc

III Winners Circle, PO Box 5269, Albany, NY 12205-0269
T 518.453.4500 • F 518.458.1735 • www.chacompanies.com

Involved Agencies

Albany County Airport Authority
Philip F. Calderone, Esq., Chief Executive Officer
Albany International Airport
Main Terminal Suite 300
737 Albany Shaker Road
Albany, NY 12211-1057
pcalderone@albanyairport.com

New York State Department of Environmental Conservation-Region 4
Kate Kornak, Regional Permit Administrator
1130 North Westcott Rd
Schenectady, NY 12306-2014
dep.r4@dec.ny.gov

Interested Agencies

Division for Historic Preservation
Historic Preservation Field Service Bureau
New York State Office of Parks, Recreation and Historic Preservation
Mr. Daniel McEneny, Director
Peebles Island, P.O. Box 189
Waterford, New York 12188-0189
Daniel.McEneny@parks.ny.gov

Town of Colonie
Peter Crummey, Supervisor
Memorial Town Hall
534 New Loudon Road
Latham, NY 12110
Colonietownsupervisor@colonie.org

US Army Corps of Engineers
New York District
Upstate Regulatory Field Office
ATTN: CENAN-OP-RU, Bldg. 10, 3rd Floor North
1 Buffington Street
Watervliet, NY 12189-4000
cenan.rfo@usace.army.mil

Federal Aviation Administration
New York Airports District Office (NYADO)
Madelyn Sheehan
Environmental Protection Specialist
159-30 Rockaway Blvd., Rm 111
Jamaica, NY 11434
madelyn.t.sheehan@faa.gov

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Runway 1 Airport Service Road & Runway 28 Perimeter Fence		
Project Location (describe, and attach a general location map): Albany International Airport- Runway 1 & 28. See attached maps.		
Brief Description of Proposed Action (include purpose or need): The Runway 1 work entails the installation of approximately 5,700 linear feet of 12 feet wide asphalt paved perimeter road with 2-foot paved shoulders on either side and will include additional grading and the placement of a culvert. The road will be constructed inside the security fence on the southern end and eastern side of Primary Runway 01-19 to enhance airfield security. Currently, operations and security personnel must exit the secure side of the fence and utilize public roadways to get around the Runway 1 end and re-enter the security fence just south of the NY Air National Guard Complex. The proposed road would allow airport personnel to remain within the security fence. The Runway 28 work entails the relocation of approximately 1,500 feet of existing perimeter fence. Currently, the existing fence between the existing on-airport perimeter road and Wade Rd. is blocked by a large group of trees and forested wetland and cannot be seen during routine airport security inspections by airport operations and security. The fence relocation will allow operations to monitor the airport operations area fence with a clear line of sight. Refer to the attached concept plans for further details.		
Name of Applicant/Sponsor: Albany County Airport Authority-Philip F. Calderone, Esq., Chief Executive Officer	Telephone: 518-242-2222 E-Mail: pcalderone@albanyairport.com	
Address: Albany International Airport, Main Terminal Suite 300, 737 Albany Shaker Road		
City/PO: Albany	State: NY	Zip Code: 12211-1057
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☐Yes ☑No		
b. City, Town or Village Planning Board or Commission ☐Yes ☑No		
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☑Yes ☐No	Albany County Airport Authority -Approval	Winter 2023
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSDEC- Article 24, WQC, SWPPP	Winter 2023
h. Federal agencies ☑Yes ☐No	USACE- Section 404, FAA-Approval	Winter 2023

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☑No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

Remediaton Sites:401081, NYS Heritage Areas:Mohawk Valley Heritage Corridor

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Airport Business Area (ABA), Airport Noise Overlay

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? South Colonie Central School District

b. What police or other public protection forces serve the project site?
Albany County Sheriff and Colonie Police Department

c. Which fire protection and emergency medical services serve the project site?
Airport Rescue and Fire Fighting Department and Colonie EMS

d. What parks serve the project site?
The Crossings of Colonie

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Perimeter road construction and fence relocation at an existing airport.

b. a. Total acreage of the site of the proposed action? 41 acres
b. Total acreage to be physically disturbed? 7.8 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? ~1,200 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: 4 months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐Yes ☑No
If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? ☐Yes ☑No
If Yes,
i. Total number of structures _____
ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length
iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐Yes ☑No
If Yes,
i. Purpose of the impoundment: _____
ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐Other specify:
_____
iii. If other than water, identify the type of impounded/contained liquids and their source.
_____
iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres
v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length
vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):
_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) ☐Yes ☑No
If Yes:
i .What is the purpose of the excavation or dredging? _____
ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.
_____
_____
iv. Will there be onsite dewatering or processing of excavated materials? ☐Yes ☐No
If yes, describe. _____
_____
v. What is the total area to be dredged or excavated? _____acres
vi. What is the maximum area to be worked at any one time? _____ acres
vii. What would be the maximum depth of excavation or dredging? _____ feet
viii. Will the excavation require blasting? ☐Yes ☐No
ix. Summarize site reclamation goals and plan: _____
_____
_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☑Yes ☐No
If Yes:
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): NYSDEC FWW N-3 and adjacent area will be impacted by the fence relocation and federally regulated wetlands will be impacted by the road installation.
_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

Approximately 0.001 acre of wetland fill is anticipated for the fence installation in NYSDEC FWW N-3. The proposed road would impact approximately 1.19 acres of federally regulated wetland and would cross one Tributary of Shakers Creek.

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☑No
If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☑No
If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____
- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? ☐Yes ☑No
If Yes:

i. Total anticipated water usage/demand per day: _____ gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☐Yes ☐No
If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No
- Do existing lines serve the project site? ☐Yes ☐No

iii. Will line extension within an existing district be necessary to supply the project? ☐Yes ☐No
If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐Yes ☐No
If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐Yes ☑No
If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐Yes ☐No
If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No

- Do existing sewer lines serve the project site? ☐Yes ☐No
- Will a line extension within an existing district be necessary to serve the project? ☐Yes ☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☐No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑Yes ☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or 2.09 acres (impervious surface)

_____ Square feet or 1,200 acres (parcel size)

ii. Describe types of new point sources. No new point source discharges are either proposed or anticipated from the perimeter road construction.

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

on site surface water

- If to surface waters, identify receiving water bodies or wetlands: Tributary of Shakers Creek
- Will stormwater runoff flow to adjacent properties? ☑Yes ☐No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☑No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes ☑No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☑No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

_____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7am -5pm
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: Periodic patrols 24/7
- Saturday: Periodic patrols 24/7
- Sunday: Periodic patrols 24/7
- Holidays: Periodic patrols 24/7

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

Temporary construction noise, Monday thru Friday, 7am - 5pm.

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n. Will the proposed action have outdoor lighting? ☐ Yes ☑ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☐ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities:_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☑ Industrial ☑ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☑ Other (specify): Airport & Recreational

ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	1.5	3.59	+ 2.09
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)	0.5	0.49	- 0.01
• Wetlands (freshwater or tidal)	3.02	1.83	- 1.19
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: Airfield	35.98	35.09	- 0.89

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☑ No

If Yes,

i. Identify Facilities:

_____

_____

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☑ Yes ☐ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☑ Yes ☐ No

☑ Yes – Spills Incidents database — Provide DEC ID number(s): 22 spills- details to be provided in Part 3

☑ Yes – Environmental Site Remediation database — Provide DEC ID number(s): 401081

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

n/a

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☑ Yes ☐ No

If yes, provide DEC ID number(s): 401027, 401038, 401081

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

401027- remediation complete. 401038- site contaminants have been removed. 401081-site information not available. All spill cases have been closed except for 1309947.

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? 6.7 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site:

Stafford loamy fine sand	40 %
Granby loamy fine sand	20 %
Colonie loamy fine sand	10 %

d. What is the average depth to the water table on the project site? Average: 3 feet

e. Drainage status of project site soils:
☑ Well Drained: 10 % of site
☑ Moderately Well Drained: 30 % of site
☑ Poorly Drained 60 % of site

f. Approximate proportion of proposed action site with slopes:
☑ 0-10%: 100 % of site
☐ 10-15%: _____% of site
☐ 15% or greater: _____% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name Tributaries of Shakers Creek Classification N/A
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland Approximate Size N-3 - 95.1 acres
- Wetland No. (if regulated by DEC) N-3

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☐ Yes ☑ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☑ Yes ☐ No
If Yes:

i. Name of aquifer: Principal Aquifer, Sole Source Aquifer Names:Schenectady-Niskayuna SSA

m. Identify the predominant wildlife species that occupy or use the project site:
Various birds
northern green frog
eastern garter snake

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation):
ii. Source(s) of description or evaluation:
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☑ Yes ☐ No

If Yes:
i. Species and listing (endangered or threatened):

USFWS listed species include Northern Long-eared Bat- endangered, Karner Blue Butterfly- endangered, and Monarch Butterfly- Candidate.

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:
i. Species and listing:

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No
If yes, give a brief description of how the proposed action may affect that use:

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No
If Yes, provide county plus district name/number:

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No
i. If Yes: acreage(s) on project site?
ii. Source(s) of soil rating(s):

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent:

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
i. CEA name:
ii. Basis for designation:
iii. Designating agency and date:

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☑ Yes ☐ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

ii. Name: Watervliet Shaker Historic District

iii. Brief description of attributes on which listing is based:

Meets National Register criteria and property is considered nationally significant.

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

i. Identify resource: Mohawk Towpath Byway

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Scenic Byway

iii. Distance between project and resource: ~2.5 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

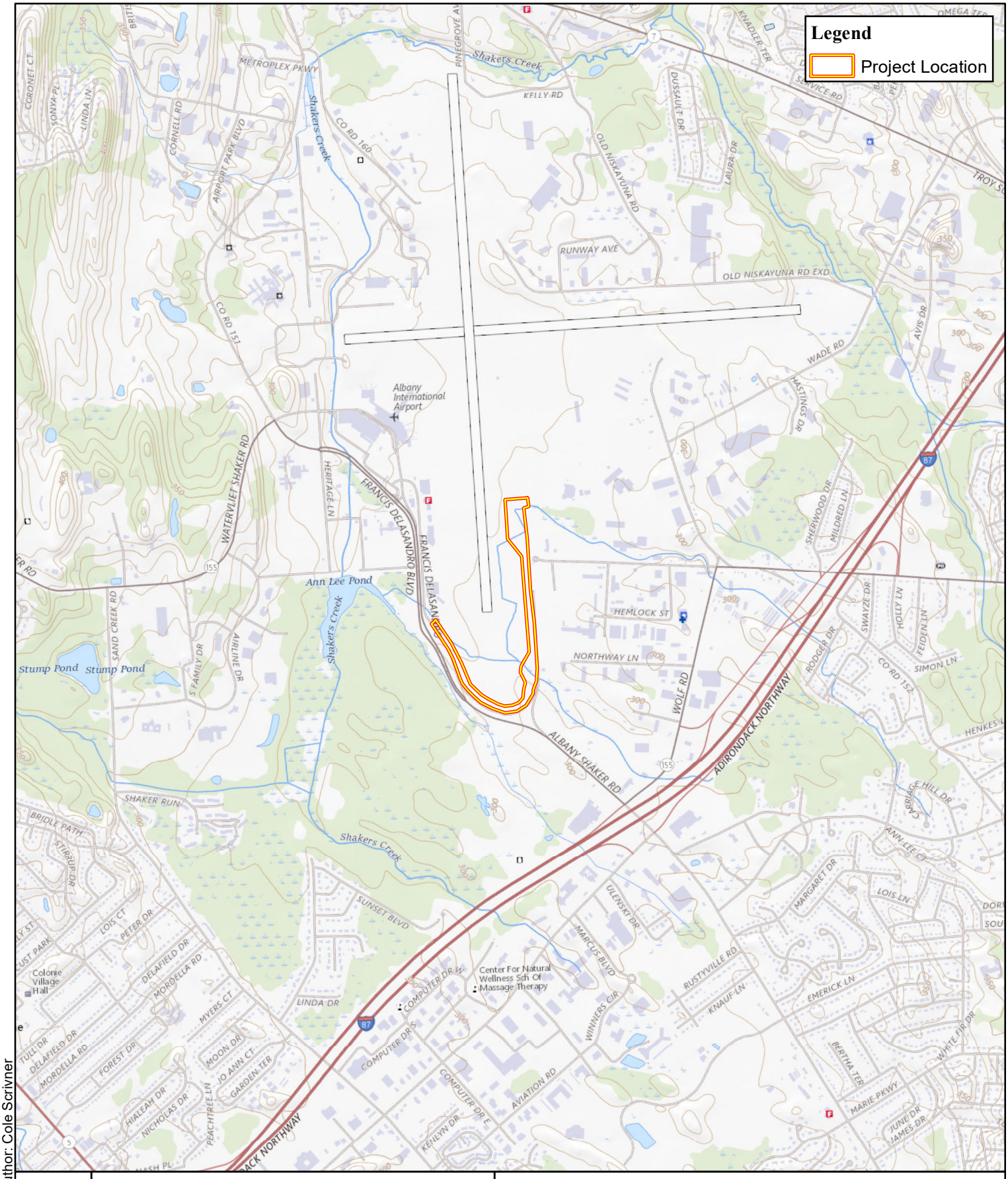
G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name _____ Date_____

Signature_____ Title_____

PRINT FORM



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CHA

USGS Project Location Map

Albany International Airport Runway 1 End
Town of Colonie, Albany County, New York

Scale 1" = 2000'

CHA Prject No. 077565.000

Service Layer Credits: USGS The National Map: National Boundaries Dataset. 7.5-Minute Topographic Map of Albany (2019) & Niskayuna (2019) USGS Quadrangles

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ALBANY
INTERNATIONAL AIRPORT

ALTERNATIVE 2

GLIDE SLOPE CRITICAL AREA

LOCALIZER CRITICAL AREA

ROFA

RSA

TSA

TOFA

LOD

GRAPHIC SCALE (FEET)

0 150 300 600

LEGEND

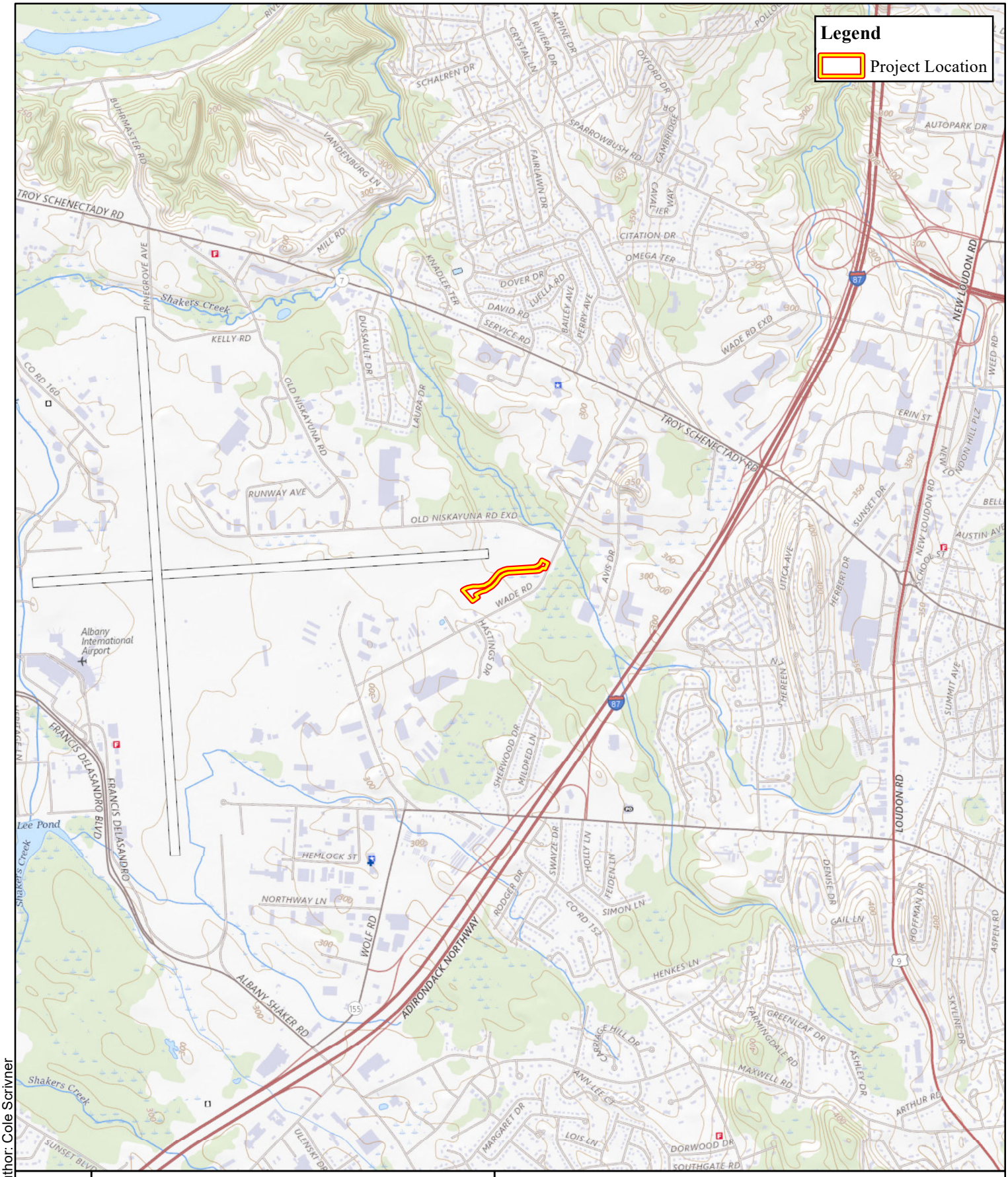
- WETLAND
- WETLAND IMPACT - SOUTH SERVICE ROAD
- WETLAND IMPACT - SOUTH SERVICE ROAD - ALTERNATE 2
- SOUTH SERVICE ROAD - ALTERNATE 1
- SOUTH SERVICE ROAD - ALTERNATE 2
- LOD — LIMIT OF DISTURBANCE

WETLAND IMPACT	
ALTERNATE 1	51,908 SF
ALTERNATE 2	57,086 SF

CHA

South Side Service Road

\\cha-llp.com\proj\Projects\ANY\K6\077565.000\09_Design\Exhibits\Wetland Impact.dwg



N

USGS Project Location Map

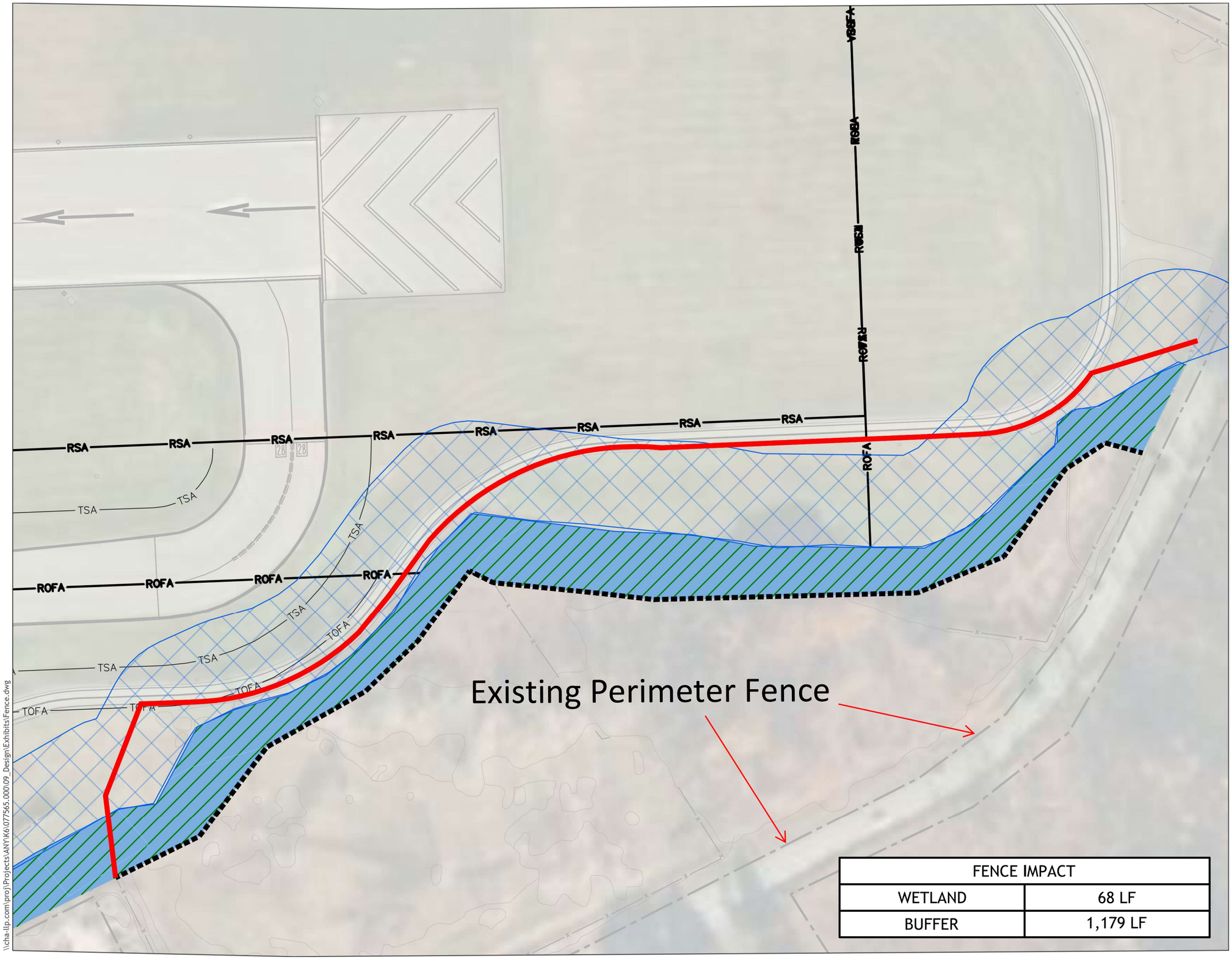
Albany International Airport Runway 28 End
Town of Colonie, Albany County, NY

Scale 1" = 2000'

CHA Prject No. 077565.000

Service Layer Credits: USGS The National Map: National Boundaries Dataset. 7.5-Minute Topographic Map of Albany (2019) & Niskayuna (2019) USGS Quadrangles

Date Saved: 9/13/2022 • Author: Cole Scrivner



ALBANY
INTERNATIONAL AIRPORT

GRAPHIC SCALE (FEET)

0 50 100 200

LEGEND

WETLAND

BUFFER

PROPOSED FENCE

FENCE IMPACT	
WETLAND	68 LF
BUFFER	1,179 LF

NOTE:

1. DASHED LINE INDICATES WETLAND EXTENDS BEYOND THE PROJECT AREA.

CHA

Runway 28 Perimeter Fence

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Agency Use Only [If applicable]

Project :

Date :

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land

Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)

☐ NO ☑ YES

If "Yes", answer questions a - j. If "No", move on to Section 2.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☑	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☑	☐
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☑	☐
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☑	☐
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☑	☐
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☑	☐
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☑	☐
h. Other impacts: _____ _____		☐	☐

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	☐	☐
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	☐	☐
c. Other impacts: _____ _____		☐	☐

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

☐ NO ☑ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	☑	☐
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	☑	☐
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	☑	☐
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	☐	☑
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	☑	☐
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	☑	☐
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	☑	☐
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	☐	☑
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	☑	☐
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	☑	☐
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	☑	☐

l. Other impacts: _____ _____		☐	☐

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)

☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	☐	☐
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	☐	☐
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	☐	☐
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	☐	☐
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	☐	☐
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	☐	☐
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	☐	☐
h. Other impacts: _____ _____		☐	☐

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2)

☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	☐	☐
b. The proposed action may result in development within a 100 year floodplain.	E2j	☐	☐
c. The proposed action may result in development within a 500 year floodplain.	E2k	☐	☐
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	☐	☐
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	☐	☐
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	☐	☐

g. Other impacts: _____ _____		☐	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) ☑ NO ☐ YES

If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☐	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☐	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☐	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☐	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☐	☐
vi. 43 tons/year or more of methane	D2h	☐	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☐	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☐	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☐	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☐	☐
f. Other impacts: _____ _____		☐	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☐ NO ☑ YES

If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☑	☐
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	☑	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☑	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☑	☐

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	☑	☐
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	☑	☐
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	☑	☐
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	☑	☐
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	☑	☐
j. Other impacts: _____ _____		☐	☐

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	☐	☐
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	☐	☐
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	☐	☐
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	☐	☐
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	☐	☐
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	☐	☐
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	☐	☐
h. Other impacts: _____		☐	☐

9. Impact on Aesthetic Resources

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)

☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☐	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☐	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	 ☐ ☐	 ☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	 ☐ ☐	 ☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☐	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☐	☐
g. Other impacts: _____ _____		☐	☐

10. Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)

☐ NO ☑ YES

If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.	E3e	☑	☐
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☑	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☑	☐

d. Other impacts: _____ _____		☐	☐
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	☐	☐
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	☐	☐
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	☐	☐

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	☐	☐
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	☐	☐
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	☐	☐
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	☐	☐
e. Other impacts: _____ _____		☐	☐

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	☐	☐
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	☐	☐
c. Other impacts: _____ _____		☐	☐

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems. ☑ NO ☐ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☐	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☐	☐
c. The proposed action will degrade existing transit access.	D2j	☐	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☐	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☐	☐
f. Other impacts: _____ _____		☐	☐

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy. ☑ NO ☐ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	☐	☐
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	☐	☐
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	☐	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	☐	☐
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting. ☐ NO ☑ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	☑	☐
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	☑	☐
c. The proposed action may result in routine odors for more than one hour per day.	D2o	☑	☐

d. The proposed action may result in light shining onto adjoining properties.	D2n	☑	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☑	☐
f. Other impacts: _____ _____		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☐ NO ☑ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	☑	☐
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	☑	☐
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	☑	☐
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	☑	☐
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	☑	☐
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	☑	☐
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	☑	☐
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	☑	☐
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	☑	☐
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	☑	☐
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	☑	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	☑	☐
m. Other impacts: _____ _____		☐	☐

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. ☑ NO ☐ YES

(See Part 1. C.1, C.2. and C.3.)

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. ☑ NO ☐ YES

(See Part 1. C.2, C.3, D.2, E.3)

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

PRINT FULL FORM

Agency Use Only [IfApplicable]

Project :

Date :

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

See attached.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☑ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☑ Part 1 ☑ Part 2 ☑ Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information
NYSOPRHP responses, Wetland Delineation Reports and USFWS IPaC.

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the
Albany County Airport Authority as lead agency that:

☑ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Runway 1 Airport Service Road & Runway 28 Perimeter Fence

Name of Lead Agency: Albany County Airport Authority

Name of Responsible Officer in Lead Agency: Philip F. Calderone, Esq.

Title of Responsible Officer: Chief Executive Officer

Signature of Responsible Officer in Lead Agency: Date:

Signature of Preparer (if different from Responsible Officer) Date: 3/21/23

For Further Information:

Contact Person:

Address:

Telephone Number:

E-mail:

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

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Full Environmental Assessment Form
Part 3 Documentation

The potential of the projects to impact environmental and social-cultural resources was evaluated in Part 2 of the Full Environmental Assessment Form (FEAF). This evaluation also estimates the potential magnitude of the impact based on a series of examples and thresholds.

The following environmental/social-cultural issues may be impacted by the proposed projects to some degree. This evaluation includes the potential for both small impacts and those identified as moderate to large in Part 2.

Impact on Land- According to the Natural Resources Conservation Service, Albany County Soil Survey, the water table is less than three feet in the following soils that are identified within the project areas:

- Colonie loamy fine sand (CoB)
- Elnora loamy fine sand (EnA)
- Granby loamy fine sand (Gr)
- Stafford loamy fine sand (St)

Approximately 2.09 acres of impervious surface is proposed associated with the Runway 1 Airport Service Road project. A Stormwater Pollution Prevention Plan (SWPPP) will be completed for the project. The SWPPP will include erosion and sediment control measures to ensure that there will be no impact from stormwater runoff or sedimentation. Therefore, no significant impacts to land are anticipated.

Impact on Surface Water- Wetland delineations were completed by CHA in September 2022 pursuant to the United States Army Corps of Engineers (USACE) 1987 Corps of Engineers Wetland Delineation Manual and current regional supplement. Wetlands were identified based on the presence of vegetation typically adapted to wet conditions (hydrophytes), hydric soils, and the presence or evidence of hydrology. The delineated areas include the following:

<u>Runway 1 Airport Service Road</u>

- Wetland A- emergent
- Wetland B- emergent
- Wetland C- emergent
- Wetland D- emergent
- Wetland E- emergent
- Tributaries of Shakers Creek

All of the wetlands and streams delineated for the Runway 1 Airport Service Road are assumed to be federally jurisdictional.

Runway 28 Perimeter Fence

- Wetland F- emergent
- Wetland G- emergent
- Tributary of Shakers Creek

The wetlands and stream within the Runway 28 Perimeter Fence project area are assumed to be federally jurisdictional. Additionally, Wetland G is a New York State Department of Environmental Conservation (NYSDEC) mapped freshwater wetland (N-3). Therefore, Wetland G is also state jurisdictional. Refer to the attached Wetland Delineation Reports for further details (Attachment A).

The Runway 1 Airport Service Road project proposes permanent impact to approximately 1.18 acres of emergent wetland and impact to approximately 70 linear feet of stream. The wetlands proposed to be impacted are degraded, some areas are periodically mowed and most are dominated by common reed (*Phragmites australis*).

The Runway 28 Perimeter Fence work proposes approximately 0.001 acres of permanent wetland impact . The fence work will also impact the 100- foot adjacent area of mapped freshwater wetland N-3. Approximately 1,179 feet of the fence is proposed within the adjacent area. Therefore, there would be small impacts from the proposed fence posts to the adjacent area. These impacts will be finalized during design; however, it is anticipated that the disturbance from each post (approximately 118) would be approximately one square foot.

The contractor would be responsible for identifying suitable areas for staging that are outside of wetlands and waters of the United States. Sedimentation and erosion controls would be incorporated into the design plans.

For the Runway 1 Airport Service Road project, it is anticipated that a Section 404 Individual Permit would be required from the USACE and a Section 401 Water Quality Certification from the NYSDEC. For the Runway 28 Perimeter Fence project, it is anticipated that a Section 404 Nationwide Permit would be required from the USACE and an Article 24 Freshwater Wetlands Permit from the NYSDEC. These permits will be obtained during the design phase.

As noted above, soil erosion and sedimentation controls would be implemented. Mitigation will be required for the wetland impacts associated with the Runway 1 Airport Service Road project. It is assumed that an in lieu fee will be paid to The Wetland Trust. Therefore, the projects would have no significant impact on surface water.

Impact on Plants and Animals- Review of the NYSDEC Environmental Resource Mapper did not identify any rare or state listed animals or plants, or significant natural communities within the project areas.

The United States Fish & Wildlife Service (USFWS) Information for Planning and Conservation (IPaC) database (Attachment B) identified the following:

- Northern Long-eared Bat (*Myotis septentrionalis*)- federally endangered
- Karner Blue Butterfly (*Plebejus melissa samuelis*), federally endangered
- Monarch Butterfly (*Danaus plexippus*)- federal candidate species
- No critical habitats have been identified for this location.

Northern Long-eared Bat

According to the NHP[1] "northern myotis are typically associated with mature interior forest and tend to avoid woodlands with significant edge habitat. Northern myotis may most often be found in cluttered or densely forested areas including in uplands and at streams or vernal pools. Northern myotis may use small openings or canopy gaps as well. In one study in northwestern South Carolina, detection of northern myotis was best predicted in mature stands but also in areas with sparse vegetation. Some research suggests that northern myotis forage on forested ridges and hillsides rather than in riparian or floodplain forests. Captures from NY suggest that northern myotis may also be found using younger forest types. Northern myotis select day roosts in dead or live trees under loose bark, or in cavities and crevices, and may sometimes use caves as night roosts. They may also roost in buildings or behind shutters. A variety of tree species are used for roosting. The structural complexity of surrounding habitat and availability of roost trees may be important factors in roost selection. Roosts of female bats tend to be large diameter, tall trees, and in at least some areas, located within a less dense canopy. Northern myotis hibernates in caves and mines where the air temperature is constant, preferring cooler areas with high humidity."

There are no trees or buildings within the project areas, therefore there will be no impact on northern long-eared bats.

Karner Blue Butterfly

According to the NHP[2], "Karner Blue can be found in extensive pine barrens, oak savannas or openings in oak woodlands, and unnatural openings such as airports and right-of-ways that contain wild lupine (*Lupinus perennis*), the sole larval food source." Also according to NHP, the associated ecological communities are calcareous pavement woodland, successional northern sandplain grassland, pitch pine-scrub oak barrens, pine barrens vernal pool and pitch pine-oak forest.

[1] New York Natural Heritage Program. 2022. Online Conservation Guide for *Myotis septentrionalis*. Available from: https://guides.nynhp.org/northern-long-eared-bat/. Accessed November 11, 2022.
[2] New York Natural Heritage Program. 2022. Online Conservation Guide for Plebejus melissa samuelis. Available from: https://guides.nynhp.org/karner-blue/. Accessed November 10, 2022.

The project areas consist of mowed lawn/airfield, roadway, emergent wetland and a tributary of Shakers Creek. These mowed lawn/airfield areas are associated with the airfield and roadside and contain species such as Kentucky blue grass (*Poa pratensis*), common plantain (*Plantago major*), queen Anne's lace (*Daucus carota*), English plantain (*Plantago lanceolata*), white clover (*Trifolium repens*), northern bedstraw (*Galium boreale*), red clover (*Trifolium pratense*), dandelion (*Taraxacum officinale*), bird's- foot trefoil (*Lotus corniculatus*), ragweed (*Ambrosia artemisiifolia*), Canada goldenrod (*Solidago canadensis*), hedge bindweed (*Calystegia sepium*), horseweed (*Erigeron canadensis*), and cow vetch (*Viccia cracca*).

Most of the emergent wetlands associated with the Runway 1 Airport Service Road project contain common reed as a dominant species. Other species present in lesser occurrences include arrow-leaf tearthumb (*Persicaria sagittata*), sensitive fern (*Onoclea sensibilis*), straw-color flat sedge (*Cyperus strigosus*), purple loosestrife (*Lythrum salicaria*), devil's pitchfork (*Bidens frondosa*), soft rush (*Juncus effusus)*, narrow leaf cattail (*Typha angustifolia*), Pennsylvania smartweed (*Persicaria pensylvanica*), nodding smartweed (*Persicaria lapathifolia*), and white willow (*Salix alba*).

The emergent wetlands associated with the Runway 28 Perimeter Fence project contain species such as common reed, reed canary grass (*Phalaris arundinacea*), purple loosestrife, sensitive fern, boneset (*Eupatorium perfoliatum*), joe pye weed (*Eutrochium maculatum*), and speckled alder (*Alnus incana*).

The project areas do not contain the associated ecological communities and the wetland and stream habitat is not conducive for blue lupine growth. Therefore, Karner blue butterfly presence is unlikely.

Monarch Butterfly

According to USFWS[3], "During the breeding season, monarchs lay their eggs on their obligate milkweed host plant (primarily *Asclepias spp*.), and larvae emerge after two to five days. Larvae develop through five larval instars (intervals between molts) over a period of 9 to 18 days, feeding on milkweed and sequestering toxic cardenolides as a defense against predators. The larva then pupates into chrysalis before enclosing 6 to 14 days later as an adult butterfly. There are multiple generations of monarchs produced during the breeding season, with most adult butterflies living approximately two to five weeks; overwintering adults enter reproductive diapause (suspended reproduction) and live six to nine months."

As noted and described above, the project areas consists of mowed lawn/airfield, roadway, emergent wetland and tributaries of Shakers Creek. A majority of the project areas are

[3] U.S. Fish and Wildlife Service. 2020. Monarch (*Danaus plexippus*) Species Status Assessment Report. V2.1 96 pp + appendices.

periodically mowed and no milkweed plants were observed during the site investigations. Therefore, a significant impact to monarch butterflies is not anticipated.

Impact on Historic and Archeological Resources- The projects were submitted to the NYSOPRHP for review. For the Runway 1 Airport Service Road, the NYSOPRHP indicated in a letter dated October 31, 2022, that no historic properties, including archeological and/or historic resources, will be affected by the undertaking.

For the Runway 28 Perimeter Fence project, the NYSOPRHP indicated in a letter dated November 18, 2022, that no historic properties, including archeological and/or historic resources, will be affected by the undertaking. Refer to Attachment C for the NYSOPRHP responses. There will be no significant impact to cultural resources.

Impact on Noise, Odor and Light- The projects will not include new sources of odor or light emissions. There would be temporary noise impact during construction. This impact would take place from Monday through Friday from the hours of 7am to 5pm. No significant adverse impacts are anticipated.

Impact on Human Health- The NYSDEC Spills Incidents database identified 22 spills on airport property. A majority of the spills over the years have been jet fuel. However, other spills have been hydraulic oil, battery acid, diesel, acetone and non PCB oil. All spill cases have been closed with the exception of 1309947. This was a 200 gallon spill of jet fuel that affected soil in 2014. The spill was the result of equipment failure associated with the Million Air Fuel Farm. The projects are not located in close proximity to the fuel farm; therefore, the affected soil would not be impacted by the proposed projects.

The NYSDEC Environmental Site Remediation database identified the following sites:

- 401081-This site is located directly adjacent to the eastern edge of the Runway 1 Airport Service Road project area. Aqueous film forming foam was released in two locations in 2012 and 2017. The database indicates that as information for the site becomes available, it will be reviewed by the NYSDEC to determine if site contamination presents an environmental concern and by the New York State Department of Health (NYSDOH) to determine if site contamination presents public health exposure concerns. While this site is adjacent to the project area, no soil disturbance is planned within the identified site boundaries associated with the road construction.

- 401027 -The parcel is approximately 1,860’ east of the Runway 1 Airport Service Road project. The contaminant of concern was trichloroethylene and the disposal period was until pre 1982. The remediation at the site is complete.

- 401038- The parcel is approximately 1,090’ east of the Runway 1 Airport Service Road project. The contaminants of concern were solvents and ignitable wastes and the disposal period was from 1972 to 1988. Site contaminants have been removed. No

surficial contamination remains for direct contact. The site was delisted from the registry of inactive hazardous waste disposal.

Since all but one spill case has been closed, since the project will not disturb soils at site 401081, since the remediation is complete at site 401027 and since site 401038 has been delisted, no significant adverse impact on human health is anticipated.

Additional Considerations- In addition to the above resources and in further support of the determination of no significant impacts, no impacts will occur to the following resources:

- Geology: There are no unique or unusual landforms within the project areas.
- Groundwater: The project areas are located over the Schenectady-Niskayuna sole source aquifer. However, the project does not entail new or additional use of groundwater and soil erosion and sedimentation controls would be implemented.
- Flooding: There are no mapped floodplains within the project areas.
- Air Emissions: Other than temporary emissions during construction, there are no new air emissions associated with the proposed projects.
- There are no farms or other agricultural resources within the project areas and the project areas are not within an Agricultural District.
- There will be no impact to aesthetic resources.
- There will be no impact to open space or recreational resources.
- There are no mapped Critical Environmental Areas within or adjacent to the project areas.
- The project will not result in an increase in traffic during operation. There may be some minor delays or slowdowns during construction, but this will be a temporary condition over a short duration of time.
- There will be no increase in energy demand.
- The projects will be consistent with community plans since all work is occurring within the Airport property and the Town's Comprehensive Plan and zoning recognize and encourage airport-related development.
- The projects are consistent with the existing community character of this area.

Attachment A

Wetland Delineation Report

Albany International Airport
Runway 1 Airport Service Road
Town of Colonie
Albany County, New York

CHA Project Number: 077565

Prepared for:
Albany County Airport Authority
Albany International Airport
Main Terminal Suite 300
737 Albany Shaker Road
Albany, NY, 12211-1057

Prepared by:

III Winners Circle
Albany, NY, 12205
Phone: (518) 453-8211
Fax: (518) 453-4773

December 21, 2022

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SIGNATURE PAGE

This report has been prepared and reviewed by the following qualified personnel employed by CHA.

Report Prepared By:

Nicole Frazer
Principal Scientist

Report Reviewed By:

Christopher Einstein, PWS
Principal Scientist

TABLE OF CONTENTS

LIST OF APPENDICES

LIST OF ACRONYMS & ABBREVIATIONS

AC	Acres
BFD	Bankfull Depth
BFW	Bankfull Width
CWA	Clean Water Act
FEMA	Federal Emergency Management Agency
FWW	Freshwater Wetland
HUC	Hydrologic Unit Code
JD	Jurisdictional Determination
LF	Linear Foot
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
NYSDEC	New York State Department of Environmental Conservation
SF	Square Foot
TNW	Traditional Navigable Waters
USACE	United States Army Corps of Engineers
USFWS	United States Department of the Interior, Fish and Wildlife Service
USGS	United States Geological Survey

1.0 INTRODUCTION

The project area is located at the south end of Runway 1 of the Albany International Airport (ALB), in the Town of Colonie, Albany County, New York (Appendix A). The jurisdictional determination (JD) area totals 18 acres. The approximate center point coordinates of the project area are Latitude 42° 44' 15.38"N; Longitude 73° 48' 06.32"W.

The purpose of this report is to document the wetland and stream communities and their boundaries within the project area. These areas have been identifed on the Wetland & Stream Delineation Map (Appendix B).The report includes a general description of the project area, ecology, wetland descriptions and is complimented by wetland determination data forms (Appendix C) and site photographs (Appendix D).

CHA was retained to delineate and describe the wetlands within the project area that may be regulated by the United States Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act (CWA). The wetland delineation was conducted by Nicole Frazer, Principal Scientist and Chris Einstein, PWS, Principal Scientist on September 16, 2022.

1.1 PROJECT AREA DESCRIPTION

The project area is within airport property and is located at the south end of Runway 1. The project area consists of existing roadway, mowed airfield, emergent wetlands and streams.

2.0 METHODOLOGY

The project area was evaluated in accordance with the procedures provided in the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Manual: Northcentral and Northeast Region version 2.0 (January 2012). The "Routine Wetland Determination" method was used.

The wetland boundaries were determined in the field based on the three-parameter approach, whereby an area is a wetland if it exhibits vegetation adapted to wet conditions (hydrophytes), hydric soil indicators, and the presence or evidence of water at or near the soil surface during the growing season (hydrology).

Coded surveyor's ribbons (e.g., flag code A-1, A-2, etc.) were placed along the wetland boundaries based on observations of vegetation, soils and hydrologic conditions. Delineation flags were survey located.

Data points were recorded along the wetland boundary. Wetland and upland data points were recorded to show the difference between the wetland and upland habitats. Wetland determination data forms corresponding to each point can be found in Appendix C.

Representative photographs of the wetlands, waterbodies and upland portions of the project area are provided in Appendix D.

Vegetative community types within the project area are described according to *Ecological Communities of New York State, Second Edition* (Edinger 2014)[1] and *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin 1979)[2].

The Antecedent Precipitation Tool identified that the drought index (PDSI) was moderate drought, but the delineation was performed under normal conditions (index score of 14) (Appendix E).

3.0 INVESTIGATION RESULTS

3.1 RESOURCE REVIEW

Prior to visiting the project area, various maps and other sources of background information were reviewed. These included the following:

- United States Geological Survey (USGS) 7.5-minute Topographic Map
- New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands (FWW) Map
- United States Department of the Interior, Fish and Wildlife Service (USFWS), National

[1] Edinger, G. J., D. J. Evans, S. Gebauer, T. G. Howard, D. M. Hunt, and A. M. Olivero (editors). 2014. *Ecological* Communities *of New York State.* Second Edition. A revised and expanded edition of Carol Reshke's *Ecological Communities of New York State*. New York Natural Heritage Program, New York State Department of Environmental Conservation, Albany, NY.

[2] Cowardin, L. M., V. Carter, F. C. Golet, E. T. LaRoe, 1979. *Classification of wetlands and deepwater habitats of the United States*. U. S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.

Wetlands Inventory (NWI) map
- Natural Resources Conservation Service (NRCS) Soil Survey for Albany County
- Federal Emergency Management Agency (FEMA) Flood Zone Map

Refer to Appendix A for each of these figures.

3.1.1 USGS Topographic Map

According to the USGS Topographic Map, the project area is within the limits of the airport. The project area is transected by tributaries of Shakers Creek. The topography is flat.

3.1.2 NYSDEC Freshwater Wetlands Map

Review of the NYSDEC freshwater wetlands map did not identify any mapped state regulated wetlands or associated 100-foot Adjacent Areas within the project area. However, state mapped freshwater wetland A-10 is located to the south and west of the project area. There is road between the mapped wetland and the project area.

3.1.3 National Wetland Inventory (NWI) Map

Review of the NWI map indicates the presence of wetlands and a waterbody within the project area. The Cowardin, et al. (1979) classifications are as follows:

- PEM1E- Palustrine, Emergent, Persistent, Seasonally Flooded/Saturated
- R4SBC- Riverine, Intermittent, Streambed, Seasonally Flooded
- R5UBH-Riverine, Unknown Perennial, Unconsolidated Bottom. Permanently Flooded

3.1.4 Soil Survey Map

Soil descriptions were obtained from the NRCS Web Soil Survey. This information was used in conjunction with on-site soil sampling to determine the presence of hydric soils. The following soils are mapped as occurring within the project area:

- Colonie loamy fine sand, hilly (CoB), 3-8 % slopes-This soil is well drained. The depth to water table and depth to restrictive feature are more than 80 inches. This soil is not rated as a hydric soil.

- Elnora loamy fine sand (EnA), 0-3% slopes- This soil is moderately well drained. The depth to water table is about 18 to 24 inches and the depth to restrictive feature is more than 80 inches. This soil is not rated as a hydric soil.

- Elnora loamy fine sand (EnB), 3-8% slopes- This soil is moderately well drained. The depth to water table is about 18 to 24 inches and the depth to restrictive feature is more than 80 inches. This soil is not rated as a hydric soil.

- Stafford loamy fine sand (St) 0-3% slopes- This soil is somewhat poorly drained. The depth to water table is about 6 to 18 inches and the depth to restrictive feature is more than 80 inches. This soil is not rated as a hydric soil.

- Udipsamments-Urban land complex (Uf), 0 -8% slopes- This soil is somewhat excessively drained. The depth to water table and the depth to restrictive feature is more than 80 inches.

3.1.5 FEMA Floodplain Map

Based on review of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, no areas of 100-year floodplain are mapped within the project area.

3.1.6 Hydrology

The water quality of surface waters in New York State are classified by the NYSDEC as either "AA", "A", "B", "C", or "D". Water quality standards for discharges to a classified stream, river, lake, or other water body accompany each classification. A "(T)" or "(TS)" used with the water quality standard indicates that the stream supports, or may support, a trout population. All streams and water bodies with a water quality standard of C(T) or higher are regulated by the NYSDEC under Article 15 Protection of Waters. Tributaries of Shakers Creek are within the project area. The tributaries are not mapped by the NYSDEC. Shakers Creek is a tributary to the Mohawk River, a Traditional Navigable Water (TNW). The total distance water flows from the tributaries of Shakers Creek (within the project area) to the Mohawk River is approximately 2.5 aerial miles (4.66 river miles).

The Hydrologic Unit Code (HUC) for the project area is 020200041110 (Shakers Creek-Mohawk River).

3.2 FIELD INVESTIGATION

3.2.1 Vegetative Communities

Ecological communities within the project area include successional old field, shallow emergent marsh (PEM), common reed marsh (PEM) and streams (R4SBC & R5UBH). Descriptions of these areas are below.

3.2.2 Discussion of Terrestrial Communities

Successional old field - These areas are associated with the airfield and contain species such as Kentucky blue grass (*Poa pratensis*), bird's- foot trefoil (*Lotus corniculatus*), queen Anne's lace (*Daucus carota*), English plantain (*Plantago lanceolata*), white clover (*Trifolium repens*), red clover (*Trifolium pratense*), ragweed (*Ambrosia artemisiifolia*), Canada goldenrod (*Solidago canadensis*), hedge bindweed (*Calystegia sepium*), horseweed (*Erigeron canadensis*), northern bedstraw (*Galium boreale*), cow vetch (*Viccia cracca*) and dandelion (*Taraxacum officinale*).

3.2.3 Discussion of Wetlands and Waterbodies

The identified wetlands and streams are described below. Refer to Appendix B for the Wetland & Stream Delineation Map and Appendix F for the Preliminary Jurisdictional Determination Form.

Wetland A – Wetland A is a shallow emergent marsh (PEM) that is dominated by arrow-leaf tearthumb (*Persicaria sagittata*) with lesser occurrences of species such as sensitive fern (*Onoclea sensibilis*) and straw-color flat sedge (*Cyperus strigosus*).

Observed hydrology indicators included Oxidized Rhizospheres on Living Roots (C3), Geomorphic Position (D2) and FAC-Neutral Test (D5). The hydric soil indicator is Sandy Redox (S5).

The total size of Wetland A is approximately 0.11 acres. This wetland is seasonally inundated and is approximately 50 feet from Wetland B. Wetland A is assumed to be federally jurisdictional.

Wetland B- This wetland is a common reed marsh (PEM) that is dominated by common reed (*Phragmites australis)* with lesser occurrences of species such as purple loosestrife (*Lythrum salicaria*), arrow-leaf tearthumb and straw-color flat sedge. Wetland B continues west and east outside of the project area.

Observed hydrology indicators included Surface Water (A1), Saturation (A3), Oxidized Rhizospheres on Living Roots (C3), Dry-Season Water Table (C2), Geomorphic Position (D2) and FAC-Neutral Test (D5). The hydric soil indicator is Sandy Redox (S5).

The total size of Wetland B within the project area is approximately 0.69 acres. Wetland B is connected to Wetland C beyond the project area to the west. Stream S1 is a tributary of Shakers Creek and flows through Wetland B. Therefore, Wetland B is federally jurisdictional.

Wetland C –This wetland consists of shallow emergent marsh (PEM) and common reed marsh (PEM). The shallow emergent marsh is dominated by arrow-leaf tearthumb with lesser occurrences of species such as purple loosestrife, common reed, sensitive fern, devil's pitchfork (*Bidens frondosa*) and soft rush (*Juncus effusus*). The common reed marsh is dominated by common reed.

Observed hydrology indicators included Oxidized Rhizospheres on Living Roots (C3), Geomorphic Position (D2) and FAC-Neutral Test (D5). The hydric soil indicator is Sandy Redox (S5).

The total size of Wetland C within the project area is approximately 1.78 acres. Wetland C continues west outside of the project area and is connected to Wetland B. Wetland B contains a tributary of Shakers Creek. Therefore, Wetland C is assumed to be federally jurisdictional.

Wetland D- Wetland D is a common reed marsh (PEM). This wetland is dominated by common reed with lesser occurrences of species such as purple loosestrife, sensitive fern and white willow (*Salix alba*).

Observed hydrology indicators included Geomorphic Position (D2) and FAC-Neutral Test (D5). The hydric soil indicators are Sandy Redox (S5), Dark Surface (S7) and Thin Dark Surface (S9).

The total size of Wetland D within the project area is approximately 0.31 acres. Wetland D continues east outside of the project area and contains a tributary of Shakers Creek. Therefore, it is assumed that Wetland D is federally jurisdictional.

Wetland E-This wetland contains areas of common reed marsh (PEM) and shallow emergent marsh (PEM). The common reed marsh area is dominated by common reed and the shallow emergent marsh area is dominated by narrow leaf cattail (*Typha angustifolia*) with lesser occurrences of purple

loosestrife, common reed, Pennsylvania smartweed (*Persicaria pensylvanica*) and nodding smartweed (*Persicaria lapathifolia*).

Observed hydrology indicators included Surface Water (A1), High Water Table (A2), Geomorphic Position (D2) and FAC-Neutral Test (D5).

The total size of Wetland E within the project area is approximately 0.05 acres. Wetland E continues east outside of the project area and contains a tributary of Shakers Creek. Therefore, Wetland E is federally jurisdictional.

Stream S1-This stream is a perennial tributary of Shakers Creek and is within Wetland B. The approximate bankfull width (BFW) was 5-12 feet and the approximate bankfull depth (BFD) was 6-24 inches. Substrate is silt. Vegetation is within and shades the stream corridor. This vegetation consists primarily of dense common reed, some areas contained a dominance of cattail. Water flow was low and no fish were noted. This tributary is the same one as the one noted within Wetland E. They appear to be connected via drainage under the airfield. The USGS Topographic Map and the NWI map also show a connection to the stream within Wetland D. The length of the tributary within the project area is approximately 243 linear feet. This stream is assumed to be federally jurisdictional.

Stream within Wetland D-This stream is a perennial tributary of Shakers Creek and is within Wetland D. The approximate BFW was 5 feet and the approximate BFD was 6-12 inches. Substrate is silt. Dense common reed is within and shades the stream corridor. Water flow was low and no fish were noted. As noted above, this stream has connection to the other streams within the project area. The length of the tributary within the project area is approximately 421 linear feet. This stream is assumed to be federally jurisdictional.

Stream within Wetland E- This stream is a perennial tributary of Shakers Creek and is within Wetland E. The approximate BFW was 20 feet and the approximate BFD was 8 inches. Substrate is rip rap and silt. Common reed is within and shades the stream corridor. Water flow was low and no fish were noted. As noted above, this stream has connection to the other streams within the project area. The length of the tributary within the project area is approximately 243 linear feet. This stream is assumed to be federally jurisdictional.

4.0 SUMMARY

CHA delineated wetlands within an approximately 18-acre project area located in the Town of Colonie, Albany County, New York. The following tables provide the ecological community types for each feature, size of the feature within the project area and the likely regulatory jurisdiction.

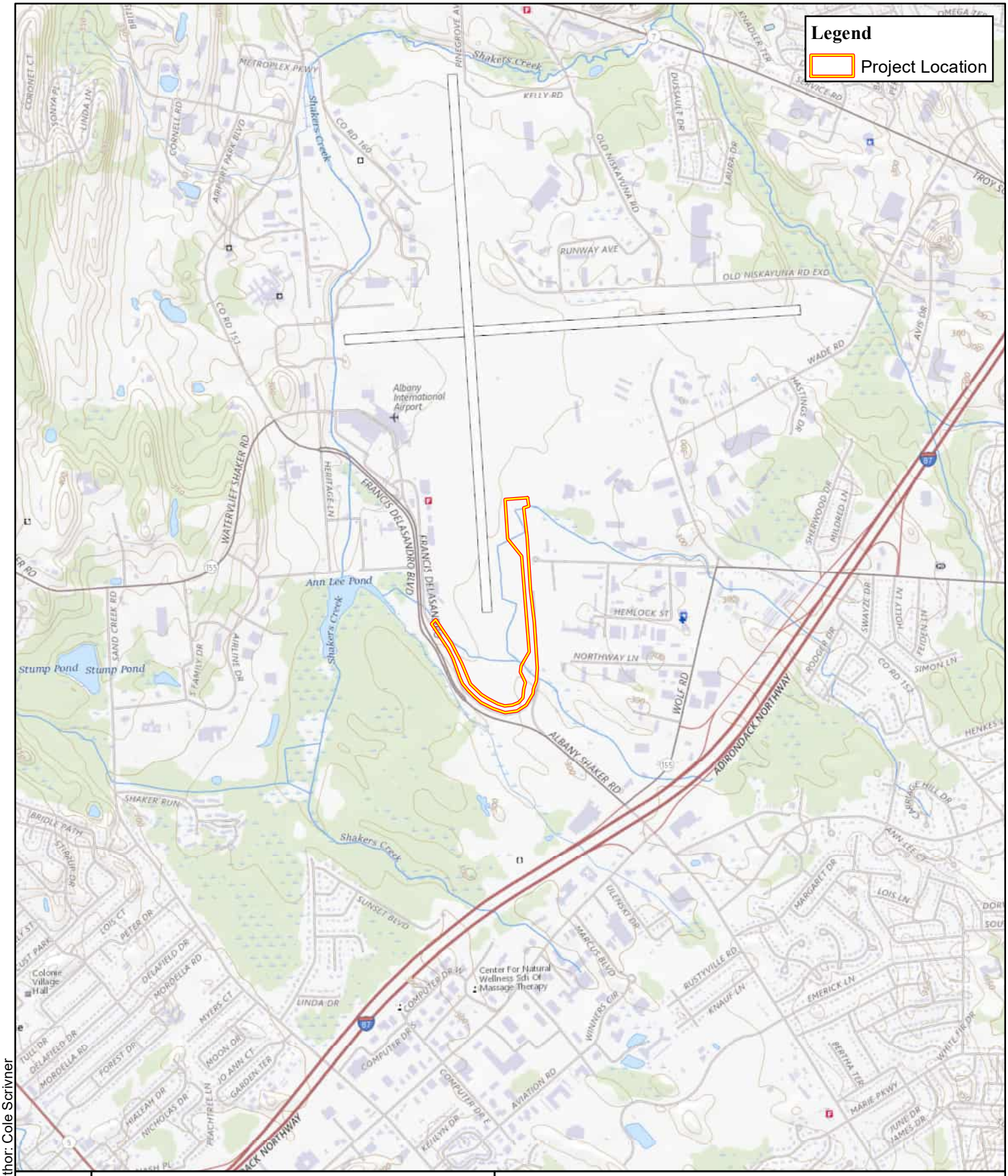
Table 1 – Wetlands

FEATURE	COMMUNITY TYPE	SIZE (SF/AC)	JURISDICTION
Wetland A	Shallow Emergent Marsh (PEM)	4,792 SF/0.11 AC	Federal (Section 404)
Wetland B	Common Reed Marsh (PEM)	30,056 SF/ 0.69AC	Federal (Section 404)
Wetland C	Shallow Emergent Marsh (PEM) & Common Reed Marsh (PEM)	77,536 SF/ 1.78 AC	Federal (Section 404)
Wetland D	Common Reed Marsh (PEM)	13,504 SF/ 0.31 AC	Federal (Section 404)
Wetland E	Shallow Emergent Marsh (PEM) & Common Reed Marsh (PEM)	2,178 SF/ 0.05 AC	Federal (Section 404)
TOTAL		**128,066 SF/ 2.94 AC**	

Table 2 – Streams

FEATURE	COMMUNITY TYPE	LENGTH (LF)	JURISDICTION
Stream S1 (Tributary of Shakers Creek)	Perennial Stream (R4SBC)	243 LF	Federal (Section 404)
Stream within Wetland D (Tributary of Shakers Creek)	Perennial Stream (R5UBH/R4SBC)	421 LF	Federal (Section 404)
Stream within Wetland E (Tributary of Shakers Creek)	Perennial Stream (R4SBC)	243 LF	Federal (Section 404)
TOTAL		**907 LF**	

Appendix A



N

CHA

USGS Project Location Map

Albany International Airport Runway 1 End
Town of Colonie, Albany County, New York

Scale 1" = 2000'

CHA Prject No. 077565.000

Service Layer Credits: USGS The National Map: National Boundaries Dataset. 7.5-Minute Topographic Map of Albany (2019) & Niskayuna (2019) USGS Quadrangles

Date Saved: 9/13/2022 • Author: Cole Scrivner

NYSDEC Freshwater Wetland & Stream Map

Albany International Airport Runway 1 End
Town of Colonie, Albany County, New York

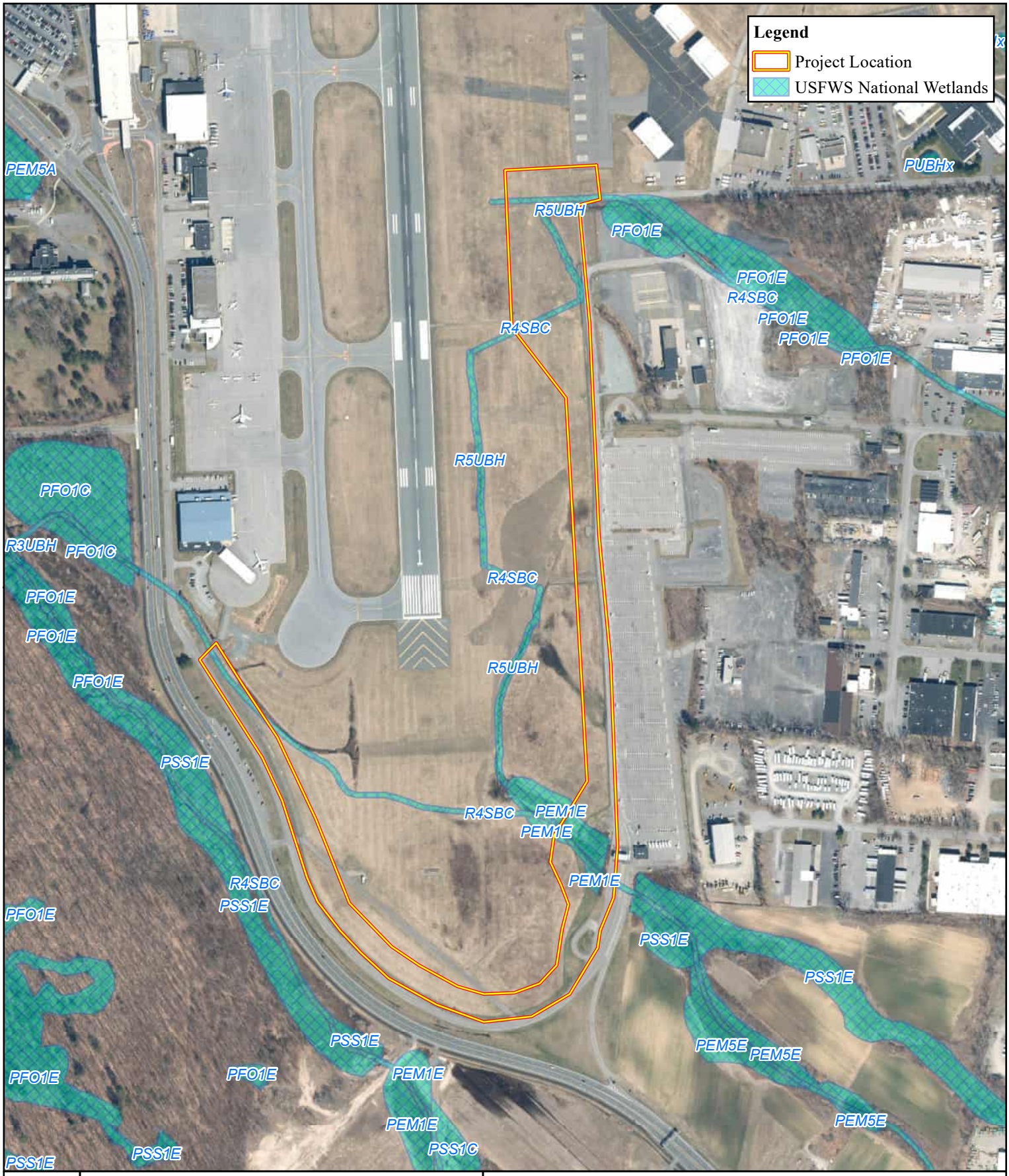
N

Scale 1" = 500'

CHA Project No.
077565.000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDS, USGS, AeroGRID, IGN, and the GIS User Community. NYSDEC Wetlands and Classified Streams courtesy of the NYS Department of Environmental Conservation

Date Saved: 9/12/2022 • Author: Cole Scrivner



N

CHA

USFWS National Wetland Inventory Map

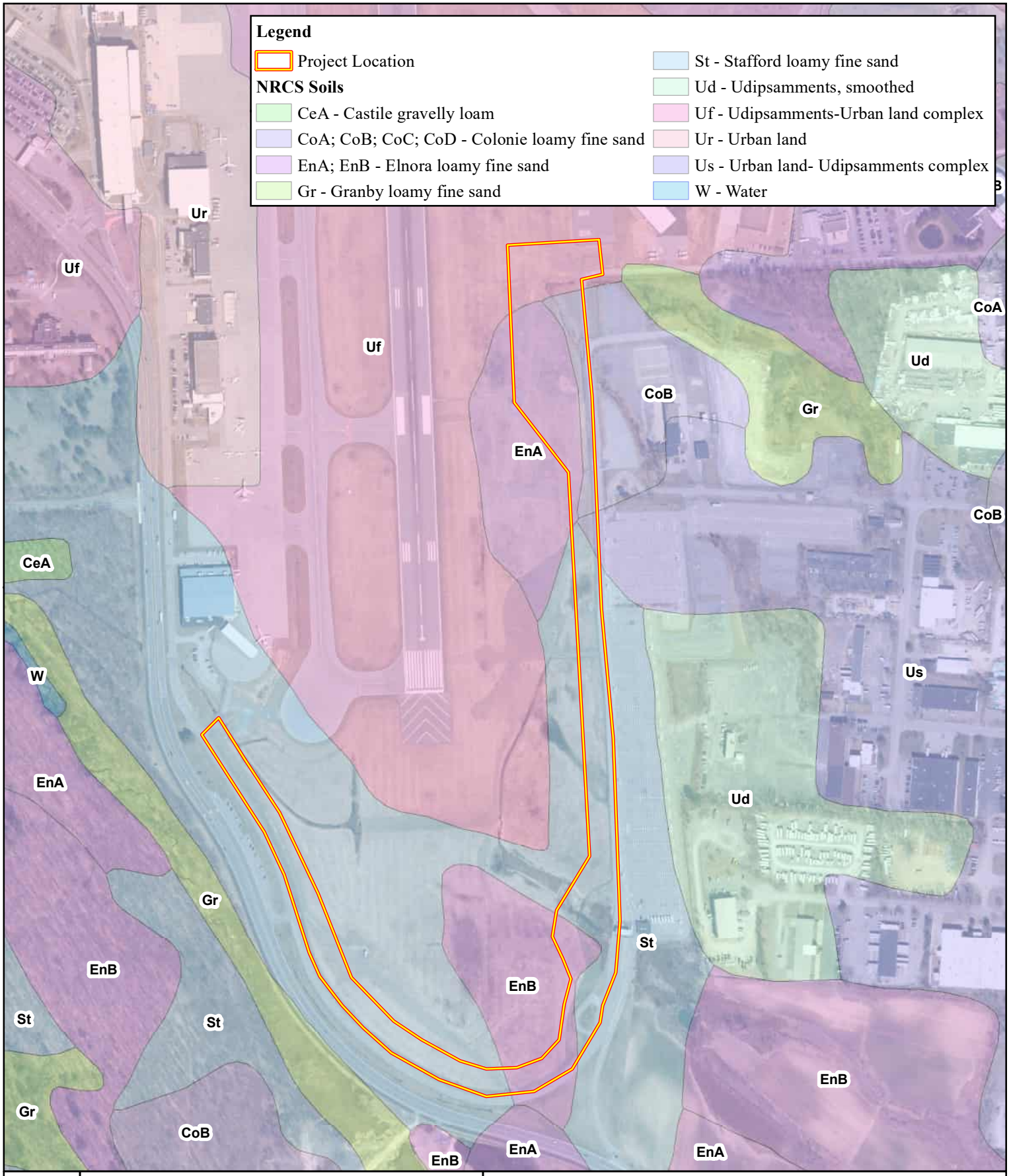
Albany International Airport Runway 1 End
Town of Colonie, Albany County, New York

Scale 1" = 500'

CHA Project No.
077565.000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDS, USGS, AeroGRID, IGN, and the GIS User Community. NWI Wetland data courtesy of the National Wetlands Inventory produced by the U.S. Fish and Wildlife Service

Date Saved: 9/12/2022 • Author: Cole Scrivner



Date Saved: 9/12/2022 • Author: Cole Scrivner

N

CHA

NRCS Soil Map

Albany International Airport Runway 1 End
Town of Colonie, Albany County, New York

Scale 1" = 500'

CHA Project No.
077565.000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDS, USGS, AeroGRID, IGN, and the GIS User Community. Soil Data courtesy of the Natural Resource Conservation Service

N

FEMA Floodzone Map

Albany International Airport Runway 1 End
Town of Colonie, Albany County, New York

Scale 1" = 500'

CHA Project No.
077565.000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDS, USGS, AeroGRID, IGN, and the GIS User Community.
Floodzones courtesy of the Federal Emergency Managment Agency (FEMA)

Date Saved: 10/3/2022 • Author: Cole Scrivner

Appendix B

Legend

- Jurisdictional Determination Boundary (18 ac)
- Wetland & Stream Flags
- Streams
- Delineated Wetlands

Tributary of Shakers Creek
Perennial
421 Linear Feet

Wetland D
0.31 Acres

OHWM 273.86

OHWM 276.80

Wetland E
0.05 Acres

Tributary of Shakers Creek
Perennial
243 Linear Feet

Wetland C
1.78 Acres

OHWM 284.64

Wetland B
0.69 Acres

Stream S1
Tributary of
Shakers Creek
Perennial
243 Linear Feet

Wetland A
0.11 Acres

N

Author: Cole Scrivner Date Saved: 10/12/2022

CHA	**CHA Project No. 077565.000**	**Scale 1" = 225'**	***Albany International Airport Runway 1 End Town of Colonie, Albany County, New York Wetland & Stream Delineation Map***	Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Appendix C

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: A-5 Wet

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): none Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-43-59.64N Long: 73-48-08.32W Datum: WGS84

Soil Map Unit Name: Elnora lamy fine sand (EnB) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes X	No ____	

Remarks: (Explain alternative procedures here or in a separate report.)
Shallow emergent marsh.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Seasonally inundated.

VEGETATION – Use scientific names of plants.

Sampling Point: A-5 Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Persicaria sagittata*	60	Yes	OBL
2. *Cirsium arvense*	5	No	FACU
3. *Plantago lanceolata*	20	No	FACU
4. *Cyperus strigosus*	5	No	FACW
5. *Lactuca serriola*	2	No	FACU
6. *Onoclea sensibilis*	10	No	FACW
7. *Trifolium pratense*	2	No	FACU
8.			
9.			
10.			
11.			
12.			
	104 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	60	x 1 =	60
FACW species	15	x 2 =	30
FAC species	0	x 3 =	0
FACU species	29	x 4 =	116
UPL species	0	x 5 =	0
Column Totals:	104 (A)		206 (B)

Prevalence Index = B/A = 1.98

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

_X_ 2 - Dominance Test is >50%

_X_ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** X **No** ___

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

SOIL

Sampling Point: A-5 Wet

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

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 3/2	80	2.5YR 3/6	20	C	PL/M	Sandy	Prominent redox concentrations
12-16	10YR 4/6	70	10YR 5/3	30	C	M	Sandy	Distinct redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- X Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: A-5 Upl

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-00.05N Long: 73-48-08.40W Datum: WGS84

Soil Map Unit Name: Elnora lamy fine sand (EnB) NWI classification: n/a

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes ____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)
Airfield- occassionally mowed. Successional old field.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: A-5 Upl

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Poa pratensis*	70	Yes	FACU
2. *Taraxacum officinale*	10	No	FACU
3. *Oxalis stricta*	5	No	FACU
4. *Lactuca serriola*	2	No	FACU
5. *Daucus carota*	2	No	UPL
6. *Plantago lanceolata*	10	No	FACU
7. *Trifolium pratense*	2	No	FACU
8.			
9.			
10.			
11.			
12.			
	101 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	99	x 4 =	396
UPL species	2	x 5 =	10
Column Totals:	101 (A)		406 (B)

Prevalence Index = B/A = 4.02

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

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Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** ___ **No** X

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

SOIL

Sampling Point: A-5 Upl

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

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-11	10YR 3/1	100					Sandy	
11-16	10YR 5/6	60	10YR 3/3	40	C	M	Sandy	Distinct redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: B-9 Wet

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-06.76N Long: 73-48-09.04W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes X	No ____	

Remarks: (Explain alternative procedures here or in a separate report.)
Common reed marsh. Wetland B is connected to Wetland C beyond the study area.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- ___ High Water Table (A2)
- X Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- X Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes x	No ____	Depth (inches): 0.5
Water Table Present?	Yes x	No ____	Depth (inches): 14
Saturation Present? (includes capillary fringe)	Yes x	No ____	Depth (inches): 0

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Stream S1 is within this wetland corridor.

VEGETATION – Use scientific names of plants.

Sampling Point: B-9 Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Phragmites australis*	90	Yes	FACW
2. *Lythrum salicaria*	5	No	OBL
3. *Persicaria sagittata*	5	No	OBL
4. *Lactuca serriola*	2	No	FACU
5. *Cyperus strigosus*	2	No	FACW
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	104 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	10	x 1 =	10
FACW species	92	x 2 =	184
FAC species	0	x 3 =	0
FACU species	2	x 4 =	8
UPL species	0	x 5 =	0
Column Totals:	104 (A)		202 (B)

Prevalence Index = B/A = 1.94

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

_X_ 2 - Dominance Test is >50%

_X_ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** X **No** ___

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

SOIL

Sampling Point: B-9 Wet

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

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-11	10YR 2/1	80	10YR 3/6	20	C	PL/M	Sandy	Prominent redox concentrations
11-16	10YR 3/2	60	10YR 3/6	20	C	M	Sandy	Prominent redox concentrations
			10YR 2/1	20	C	M		Faint redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- X Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: B-9 Upl

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-07.19N Long: 73-48-08.78W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: n/a

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area**
Hydric Soil Present?	Yes ____	No X	**within a Wetland?** **Yes** ____ **No** X
Wetland Hydrology Present?	Yes ____	No X	If yes, optional Wetland Site ID:

Remarks: (Explain alternative procedures here or in a separate report.)
Airfield-occassionally mowed. Successional old field.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: B-9 Upl

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Plantago lanceolata*	30	Yes	FACU
2. *Daucus carota*	8	No	UPL
3. *Linaria vulgaris*	5	No	UPL
4. *Calystegia sepium*	20	No	FAC
5. *Trifolium pratense*	5	No	FACU
6. *Poa pratensis*	40	Yes	FACU
7. *Solidago canadensis*	2	No	FACU
8.			
9.			
10.			
11.			
12.			
	110 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	20	x 3 =	60
FACU species	77	x 4 =	308
UPL species	13	x 5 =	65
Column Totals:	110 (A)		433 (B)

Prevalence Index = B/A = 3.94

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** ___ **No** X

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

SOIL

Sampling Point: B-9 Upl

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

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-16	10YR 3/3	85	10YR 4/6	15	C	M	Sandy	Distinct redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: C-16 wet

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-15.62N Long: 73-48-08.76W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes 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:

Remarks: (Explain alternative procedures here or in a separate report.)
Shallow emergent marsh. Wetland C is connected to Wetland B beyond the study area.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- X Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes x	No ____	Depth (inches): 0

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: C-16 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Persicaria sagittata*	75	Yes	OBL
2. *Lythrum salicaria*	8	No	OBL
3. *Bidens frondosa*	10	No	FACW
4. *Cyperus strigosus*	2	No	FACW
5. *Phragmites australis*	2	No	FACW
6. *Onoclea sensibilis*	5	No	FACW
7. *Juncus effusus*	5	No	OBL
8. *Echinochloa crus-galli*	1	No	FAC
9. *Trifolium repens*	2	No	FACU
10. *Lactuca serriola*	1	No	FACU
11.			
12.			
	111 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	88	x 1 =	88
FACW species	19	x 2 =	38
FAC species	1	x 3 =	3
FACU species	3	x 4 =	12
UPL species	0	x 5 =	0
Column Totals:	111 (A)		141 (B)

Prevalence Index = B/A = 1.27

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

_X_ 2 - Dominance Test is >50%

_X_ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** X **No** ___

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

SOIL

Sampling Point: C-16 wet

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

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-12	10YR 3/1	75	2.5YR 3/6	25	C	PL/M	Sandy	Prominent redox concentrations
12-18	10YR 3/2	60	10YR 5/8	40	C	M	Sandy	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- X Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L**)
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: C-16 upl

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-15.27N Long: 73-48-08.89W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: n/a

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes ____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)
Airfield- occasionally mowed. Successional old field.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: C-16 upl

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Ambrosia artemisiifolia*	5	No	FACU
2. *Trifolium repens*	10	No	FACU
3. *Trifolium pratense*	10	No	FACU
4. *Erigeron canadensis*	5	No	FACU
5. *Plantago major*	5	No	FACU
6. *Lotus corniculatus*	15	No	FACU
7. *Poa pratensis*	60	Yes	FACU
8. *Setaria pumila*	2	No	FAC
9.			
10.			
11.			
12.			
	112 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	2	x 3 =	6
FACU species	110	x 4 =	440
UPL species	0	x 5 =	0
Column Totals:	112 (A)		446 (B)

Prevalence Index = B/A = 3.98

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** ___ **No** X

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

SOIL

Sampling Point: C-16 upl

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

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 3/3	60	10YR 2/1	40	C	M	Sandy	Faint redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: rock

Depth (inches): 6

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: D-10 wet

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): drainageway Local relief (concave, convex, none): concave Slope %: 0-1

Subregion (LRR or MLRA): LRR R Lat: 42-44-29.61N Long: 73-48-08.44W Datum: WGS84

Soil Map Unit Name: Udipsamments-Urban land complex (Uf) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes X	No ____	

Remarks: (Explain alternative procedures here or in a separate report.)
Common Reed Marsh

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Stream present. Seasonally flooded.

VEGETATION – Use scientific names of plants.

Sampling Point: D-10 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1. *Salix alba*	5	Yes	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	5 =Total Cover		
Herb Stratum (Plot size: 5')			
1. *Phragmites australis*	80	Yes	FACW
2. *Lythrum salicaria*	15	No	OBL
3. *Onoclea sensibilis*	10	No	FACW
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (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	15	x 1 =	15
FACW species	95	x 2 =	190
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	110 (A)		205 (B)

Prevalence Index = B/A = 1.86

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

_X_ 2 - Dominance Test is >50%

_X_ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** X **No** ___

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

SOIL

Sampling Point: D-10 wet

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

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-11	10YR 2/1	90	10YR 3/3	10	C	M	Sandy	Distinct redox concentrations
11-20	10YR 3/1	70	10YR 3/4	30	C	M	Sandy	Distinct redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- X Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- X Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- X Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:
Masked sands.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: D-10 upl

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-29.29N Long: 73-48-07.78W Datum: WGS84

Soil Map Unit Name: Udipsamments-Urban land complex (Uf) NWI classification: n/a

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes ____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)
Airfield- occasionally mowed. Successional old field.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: D-10 upl

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Plantago lanceolata*	80	Yes	FACU
2. *Galium boreale*	20	No	FAC
3. *Lythrum salicaria*	2	No	OBL
4. *Prunella vulgaris*	5	No	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	107 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	2	x 1 =	2
FACW species	0	x 2 =	0
FAC species	25	x 3 =	75
FACU species	80	x 4 =	320
UPL species	0	x 5 =	0
Column Totals:	107 (A)		397 (B)

Prevalence Index = B/A = 3.71

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** ___ **No** X

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

SOIL

Sampling Point: D-10 upl

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

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 3/2	100					Sandy	
10-14	10YR 3/2	60	10YR 2/1	30	C	M	Sandy	Faint redox concentrations
			2.5YR 3/6	10	C	M		Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

___ Histosol (A1)
___ Histic Epipedon (A2)
___ Black Histic (A3)
___ Hydrogen Sulfide (A4)
___ Stratified Layers (A5)
___ Depleted Below Dark Surface (A11)
___ Thick Dark Surface (A12)
___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
___ Sandy Mucky Mineral (S1)
___ Sandy Gleyed Matrix (S4)
___ Sandy Redox (S5)
___ Stripped Matrix (S6)
___ Dark Surface (S7)
___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
___ High Chroma Sands (S11) (**LRR K, L)**
___ Loamy Mucky Mineral (F1) (**LRR K, L**)
___ Loamy Gleyed Matrix (F2)
___ Depleted Matrix (F3)
___ Redox Dark Surface (F6)
___ Depleted Dark Surface (F7)
___ Redox Depressions (F8)
___ Marl (F10) (**LRR K, L**)
___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
___ Coast Prairie Redox (A16) (**LRR K, L, R**)
___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
___ Polyvalue Below Surface (S8) (**LRR K, L**)
___ Thin Dark Surface (S9) (**LRR K, L**)
___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
___ Red Parent Material (F21) **(outside MLRA 145)**
___ Very Shallow Dark Surface (F22)
___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): _____

Hydric Soil Present? **Yes** ____ **No** X

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: E-1 Wet

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): drainageway Local relief (concave, convex, none): concave Slope %: 0-1

Subregion (LRR or MLRA): LRR R Lat: 42-44-09.43N Long: 73-48-22.49W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes X	No ____	

Remarks: (Explain alternative procedures here or in a separate report.)
Shallow emergent marsh.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- X Surface Water (A1)
- X High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes x	No ____	Depth (inches): 0.5
Water Table Present?	Yes x	No ____	Depth (inches): 0
Saturation Present? (includes capillary fringe)	Yes x	No ____	Depth (inches): 0

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Stream present. Culvert under road.

VEGETATION – Use scientific names of plants.

Sampling Point: E-1 Wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Typha angustifolia*	70	Yes	OBL
2. *Persicaria lapathifolia*	10	No	FACW
3. *Lythrum salicaria*	5	No	OBL
4. *Phragmites australis*	5	No	FACW
5. *Persicaria pensylvanica*	2	No	FACW
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	92 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	75	x 1 =	75
FACW species	17	x 2 =	34
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	92 (A)		109 (B)

Prevalence Index = B/A = 1.18

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

_X_ 2 - Dominance Test is >50%

_X_ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** X **No** ___

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

SOIL

Sampling Point: E-1 Wet

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

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** X **No** ____

Remarks:

Area is inundated and dominated by OBL species. Soils not required.

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport- Runway 1 End City/County: Colonie/Albany Sampling Date: 9/16/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: E-1 Upl

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-09.34N Long: 73-48-23.01W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: n/a

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes ____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)
Airfield - occassionally mowed. Successional old field.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: E-1 Upl

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Poa pratensis*	95	Yes	FACU
2. *Vicia cracca*	5	No	UPL
3. *Plantago lanceolata*	2	No	FACU
4. *Oxalis stricta*	1	No	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	103 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	0	x 3 =	0
FACU species	98	x 4 =	392
UPL species	5	x 5 =	25
Column Totals:	103 (A)		417 (B)

Prevalence Index = B/A = 4.05

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** ___ **No** X

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

SOIL

Sampling Point: E-1 Upl

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

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 3/3	100					Sandy	
6-11	10YR 4/3	90	10YR 4/6	10	C	M	Sandy	Distinct redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** ___ **No** X

Remarks:

Appendix D

Photo 1-Wetland Data Point at A-5

Photo 2-Wetland Data Point A-5 Soils

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Sheet 1	CHA File No. 077565

Photo 3-Upland Data Point at A-5

Photo 4-Upland Data Point A-5 Soils

CHA

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 5- Wetland Data Point at B-9

Photo 6- Wetland Data Point B-9 Soils

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 7- Upland Data Point at B-9

Photo 8- Upland Data Point B-9 Soils

CHA

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 9- Stream S1 facing southeast

Photo 10-Stream S1 facing northwest

CHA

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 11- Wetland Data Point at C-16

Photo 12- Wetland Data Point C-16 Soils

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 13- Upland Data Point at C-16

Photo 14- Upland Data Point C-16 Soils

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 15-Wetland Data Point at D-10

Photo 16-Wetland Data Point D-10 Soils

CHA

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 17- Upland Data Point at D-10

Photo 18- Upland Data Point D-10 Soils

CHA

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 19-Stream within Wetland D facing southeast

Photo 20- Stream within Wetland D facing northwest

CHA

Sheet 10 | CHA File No. 077565

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 21- Wetland Data Point at E-1

Photo 22- Stream within Wetland E facing south

CHA

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Photo 23- Upland Data Point at E-1

Photo 24- Upland Data Point E-1 Soils

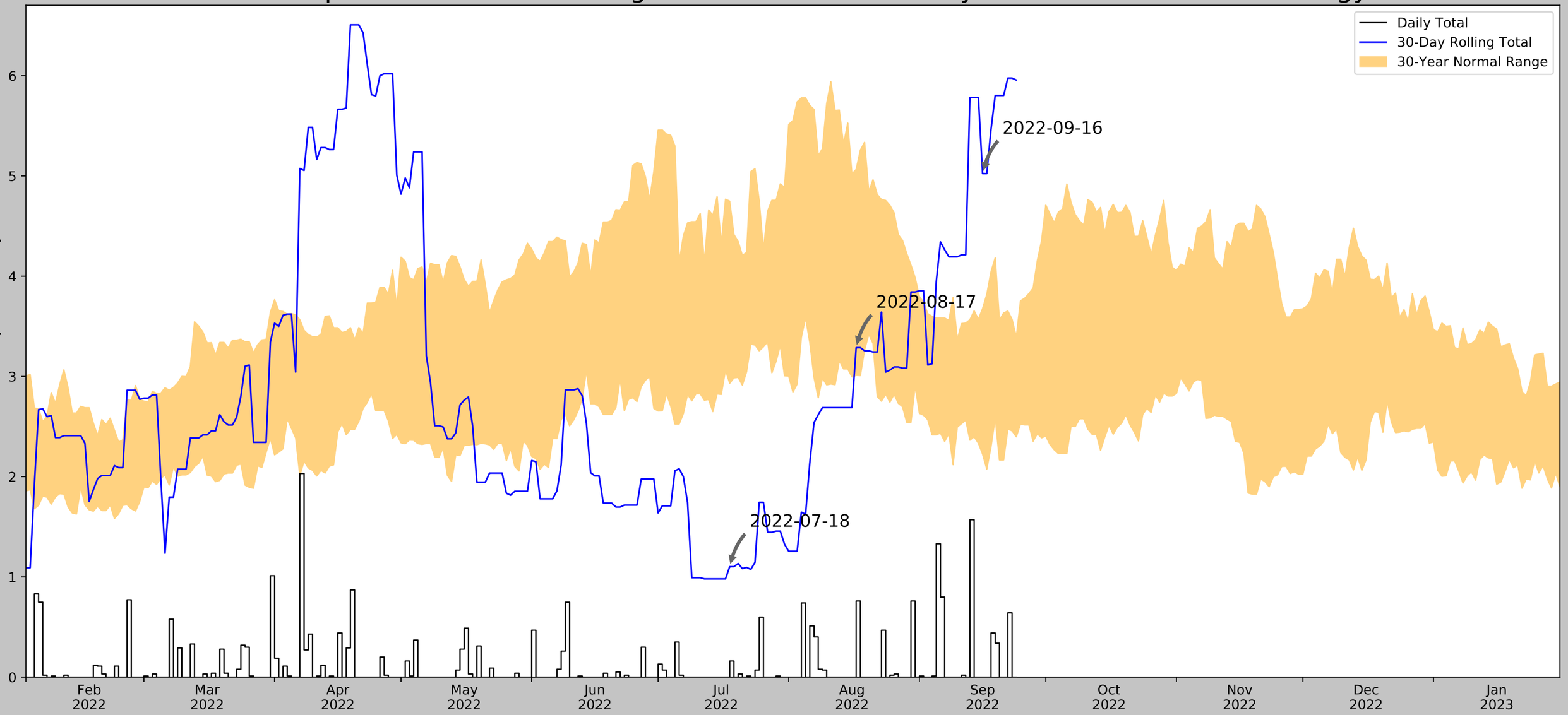
CHA

SITE PHOTOGRAPHS

Albany International Airport
Runway 1 End
Town of Colonie, Albany Co., NY

Appendix E

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	42.737606, -73.801756
Observation Date	2022-09-16
Elevation (ft)	285.17
Drought Index (PDSI)	Moderate drought (2022-08)
WebWIMP H_2O Balance	Dry Season

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2022-09-16	2.224803	3.676772	5.023622	Wet	3	3	9
2022-08-17	3.01063	5.065748	3.287402	Normal	2	2	4
2022-07-18	2.931496	4.748819	1.102362	Dry	1	1	1
Result							Normal Conditions - 14

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALBANY AP	42.7431, -73.8092	312.008	0.536	26.838	0.255	11352	90
SCHENECTADY 3.3 E	42.7938, -73.8639	330.053	4.469	18.045	2.092	1	0

Appendix F

ATTACHMENT

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD):

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD: Albany County Airport Authority, Main Terminal Suite 300, 737 Albany Shaker Road, Albany, NY 12211-1057

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: New York District

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION: (USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES)

State: NY County/parish/borough: Albany County/ Town of Colonie
Center coordinates of site:
Lat. 42-44-02.86 N **Pick List**, Long. **Pick List**. 73-48-05.65W
Universal Transverse Mercator:
Name of nearest waterbody: Tributaries of Shakers Creek

Identify (estimate) amount of waters in the review area:
Non-wetland waters: See attached table
Cowardin Class: R4SBC & R5UBH
Stream Flow: Perennial
Wetlands: See attached table
Cowardin Class: PEM

Name of any water bodies on the site that have been identified as Section 10 waters:
Tidal: N/A
Non-Tidal: N/A

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date:
☐ Field Determination. Date(s):

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable. This preliminary JD finds that there *"may be"* waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:

☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.

- ☐ Office concurs with data sheets/delineation report.
- ☐ Office does not concur with data sheets/delineation report.

☐ Data sheets prepared by the Corps:

☐ Corps navigable waters' study:

☐ U.S. Geological Survey Hydrologic Atlas:

- ☐ USGS NHD data.
- ☐ USGS 8 and 12 digit HUC maps.

☒ U.S. Geological Survey map(s). Cite scale & quad name:1" = 2000' Albany & Niskayuna Quadrangles.

☒ USDA Natural Resources Conservation Service Soil Survey. Citation: NRCS Soil Survey for Albany County.

☒ National wetlands inventory map(s). Cite name: Albany & Niskayuna Quadrangles.

☒ State/Local wetland inventory map(s): NYSDEC Freshwater Wetland Map

☒ FEMA/FIRM maps: Panel 36001C0181D

☐ 100-year Floodplain Elevation is: Not shown

☐ Photographs: ☐ Aerial (Name & Date):
or ☒ Other (Name & Date): Site Photographs taken by CHA on September 16, 2022.

☐ Previous determination(s). File no. and date of response letter:

☐ Other information (please specify):

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

_____	_____
Signature and date of Corps Project Manager (REQUIRED)	Signature and date of person requesting preliminary JD (REQUIRED, unless obtaining the signature is impracticable)

Aquatic Resources					
Feature	**Latitude (decimal degrees)**	**Longitude (decimal degrees)**	**Type of Aquatic Resource**	**Estimated Amount of Aquatic Resource in Review Area**	**Geographic Authority**
Wetland A	Center Point Coordinates		Wetland	0.11 acres	Section 404
	42.734136	73.802064			
Wetland B	Center Point Coordinates		Wetland	0.69 acres	Section 404
	42.735636	73.798069			
Wetland C	Center Point Coordinates		Wetland	1.78 acres	Section 404
	42.740411	73.798981			
Wetland D	Center Point Coordinates		Wetland	0.31 acres	Section 404
	42.741242	73.802186			
Wetland E	Center Point Coordinates		Wetland	0.05 acres	Section 404
	42.740411	73.798981			
Stream S1	Beginning Point Coordinates		Non-wetland	243 linear feet	Section 404
	42.734942	73.802189			
	Ending Point Coordinates				
	42.734539	73.801539			
Stream within Wetland D	Beginning Point Coordinates		Non-wetland	421 linear feet	Section 404
	42.741611	73.802011			
	Ending Point Coordinates				
	42.740869	73.801928			
Stream within Wetland E	Beginning Point Coordinates		Non-wetland	243 linear feet	Section 404
	42.736864	73.807231			
	Ending Point Coordinates				
	42.736164	73.806558			

Wetland Delineation Report

Albany International Airport
Runway 28 Perimeter Fence
Town of Colonie
Albany County, New York

CHA Project Number: 077565

Prepared for:
Albany County Airport Authority
Albany International Airport
Main Terminal Suite 300
737 Albany Shaker Road
Albany, NY, 12211-1057

Prepared by:

III Winners Circle
Albany, NY, 12205
Phone: (518) 453-8211
Fax: (518) 453-4773

January 9, 2023

V:\Projects\ANY\K6\077565.000\08_Reports\Wetland Delineation\Runway 28 End Perimeter Fence Relocation/Runway 28 wetland delineation report.doc

SIGNATURE PAGE

This report has been prepared and reviewed by the following qualified personnel employed by CHA.

Report Prepared By:

Nicole Frazer
Principal Scientist

Report Reviewed By:

Christopher Einstein, PWS
Principal Scientist

TABLE OF CONTENTS

LIST OF APPENDICES

LIST OF ACRONYMS & ABBREVIATIONS

AC	Acres
BFD	Bankfull Depth
BFW	Bankfull Width
CWA	Clean Water Act
FEMA	Federal Emergency Management Agency
FWW	Freshwater Wetland
HUC	Hydrologic Unit Code
JD	Jurisdictional Determination
LF	Linear Foot
NRCS	Natural Resources Conservation Service
NWI	National Wetlands Inventory
NYSDEC	New York State Department of Environmental Conservation
SF	Square Foot
TNW	Traditional Navigable Waters
USACE	United States Army Corps of Engineers
USFWS	United States Department of the Interior, Fish and Wildlife Service
USGS	United States Geological Survey

1.0 INTRODUCTION

The project area is located at the end of Runway 28 on the east side of the Albany International Airport (ALB), in the Town of Colonie, Albany County, New York (Appendix A). The jurisdictional determination (JD) area totals 3 acres. The approximate center point coordinates of the project area are Latitude 42° 44' 55.98"N; Longitude 73° 47' 05.54"W.

The purpose of this report is to document the wetland and stream communities and their boundaries within the project area. These areas have been identifed on the Wetland & Stream Delineation Map (Appendix B). The report includes a general description of the project area, ecology, wetland descriptions and is complimented by wetland determination data forms (Appendix C) and site photographs (Appendix D).

CHA was retained to delineate and describe the wetlands within the project area that may be regulated by the United States Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act (CWA) and the New York State Department of Environmental Conservation (NYSDEC) under Article 24 Freshwater Wetlands Act. The wetland delineation was conducted by Nicole Frazer, Principal Scientist and Chris Einstein, PWS, Principal Scientist on Septmeber 19, 2022.

1.1 PROJECT AREA DESCRIPTION

The project area is within airport property and is located at the Runway 28 end on the east side of ALB (Appendix A- Project Location Map). The project area consists of mowed lawn, roadway, shallow emergent marsh and a tributary of Shakers Creek.

2.0 METHODOLOGY

The project area was evaluated in accordance with the procedures provided in the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Manual: Northcentral and Northeast Region version 2.0 (January 2012). The "Routine Wetland Determination" method was used.

The wetland boundaries were determined in the field based on the three-parameter approach, whereby an area is a wetland if it exhibits vegetation adapted to wet conditions (hydrophytes), hydric soil indicators, and the presence or evidence of water at or near the soil surface during the growing season (hydrology).

Coded surveyor's ribbons (e.g., flag code A-1, A-2, etc.) were placed along the wetland boundaries based on observations of vegetation, soils and hydrologic conditions. Delineation flags were survey located.

Data points were recorded along the wetland boundary. Wetland and upland data points were recorded to show the difference between the wetland and upland habitats. Wetland determination data forms corresponding to each point can be found in Appendix C.

Representative photographs of the wetlands and upland portions of the project area are provided in Appendix D.

Vegetative community types within the project area are described according to *Ecological Communities of New York State, Second Edition* (Edinger 2014)[1] and *Classification of Wetlands and Deepwater Habitats of the United States* (Cowardin 1979)[2].

The Antecedent Precipitation Tool identified that the drought index (PDSI) was moderate drought, but the delineation was performed under normal conditions (index score of 12) (Appendix E).

3.0 INVESTIGATION RESULTS

3.1 RESOURCE REVIEW

Prior to visiting the project area, various maps and other sources of background information were reviewed. These included the following:

- United States Geological Survey (USGS) 7.5-minute Topographic Map
- New York State Department of Environmental Conservation (NYSDEC) Freshwater Wetlands (FWW) Map

---

[1] Edinger, G. J., D. J. Evans, S. Gebauer, T. G. Howard, D. M. Hunt, and A. M. Olivero (editors). 2014. *Ecological* Communities *of New York State.* Second Edition. A revised and expanded edition of Carol Reshke's *Ecological Communities of New York State*. New York Natural Heritage Program, New York State Department of Environmental Conservation, Albany, NY.

[2] Cowardin, L. M., V. Carter, F. C. Golet, E. T. LaRoe, 1979. *Classification of wetlands and deepwater habitats of the United States*. U. S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.

- United States Department of the Interior, Fish and Wildlife Service (USFWS), National Wetlands Inventory (NWI) map
- Natural Resources Conservation Service (NRCS) Soil Survey for Albany County
- Federal Emergency Management Agency (FEMA) Flood Zone Map

Refer to Appendix A for each of these figures.

3.1.1 USGS Topographic Map

According to the USGS Topographic Map, the project area is within the limits of the airport. Wade Road is south of the project area and the topography is generally flat.

3.1.2 NYSDEC Freshwater Wetlands Map

Review of the NYSDEC freshwater wetlands map identified a portion of mapped freshwater wetland N-3 within the project area.

3.1.3 National Wetland Inventory (NWI) Map

Review of the NWI map indicates the potential presence of wetland resources within the project area, coincident with the mapped State wetland. The Cowardin, et al. (1979) classification is as follows:

- PFO1C- Palustrine, Forested, Broad-Leaved Deciduous, Seasonally Flooded

3.1.4 Soil Survey Map

Soil descriptions were obtained from the NRCS Web Soil Survey. This information was used in conjunction with on-site soil sampling to determine the presence of hydric soils. The following soils are mapped as occurring within the project area:

- Granby loamy fine sand (Gr), 0-2% slopes- This soil is very poorly drained. The depth to water table is about 0 inches and the depth to restrictive feature is more than 80 inches. This soil is rated as a hydric soil.

- Stafford loamy fine sand (St) 0-3% slopes- This soil is somewhat poorly drained. The depth to water table is about 6 to 18 inches and the depth to restrictive feature is more than 80 inches. This soil is not rated as a hydric soil.

3.1.5 FEMA Floodplain Map

Based on review of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map, no areas of 100-year floodplain are mapped within the project area.

3.1.6 Hydrology

The water quality of surface waters in New York State are classified by the NYSDEC as either "AA", "A", "B", "C", or "D". Water quality standards for discharges to a classified stream, river, lake, or other water body accompany each classification. A "(T)" or "(TS)" used with the water quality standard indicates that the stream supports, or may support, a trout population. All streams and water bodies with a water quality standard of C(T) or higher are regulated by the NYSDEC under Article 15 Protection of Waters. There are no streams mapped by the NYSDEC within the project area. An unmapped tributary of Shakers Creek is within Wetland G. Shakers Creek is a tributary to the Mohawk River, a Traditional Navigable Water (TNW). The total distance water flows from the project area to the Mohawk River is approximately 1.96 aerial miles (2.79 river miles).

The Hydrologic Unit Code (HUC) for the project area is 020200041110 (Shakers Creek-Mohawk River).

3.2 FIELD INVESTIGATION

3.2.1 Vegetative Communities

Ecological communities within the project area include mowed lawn, shallow emergent marsh (PEM) and common reed marsh (PEM). Descriptions of these areas are below.

3.2.2 Discussion of Terrestrial Communities

Mowed lawn- These areas are associated with the airfield and roadside and contain species such as Kentucky blue grass (*Poa pratensis*), common plantain (*Plantago major*), queen Anne's lace

(*Daucus carota*), English plantain (*Plantago lanceolata*), white clover (*Trifolium repens*), northern bedstraw (*Galium boreale*), red clover (*Trifolium pratense*) and dandelion (*Taraxacum officinale*).

3.2.3 Discussion of Wetlands and Waterbodies

The identified wetlands and stream are described below. Refer to Appendix B for the Wetland & Stream Delineation Map and Appendix F for the Preliminary Jurisdictional Determination Form.

Wetland F – Wetland F has areas of common reed marsh (PEM) and shallow emergent marsh (PEM). The common reed marsh area is dominated by common reed (*Phragmites australis*) and reed canary grass (*Phalaris arundinacea*) with lesser occurrences of purple loosestrife (*Lythrum salicaria*). The shallow emergent marsh area is mowed and is dominated by sensitive fern (*Onoclea sensibilis*).

Observed hydrology indicators included Geomorphic Position (D2) and FAC-Neutral Test (D5). The hydric soil indicator is Sandy Redox (S5).

The total size of Wetland F within the project area is approximately 0.03 acres. A culvert is present that goes underneath the adjacent road and underneath the airfield to the north. It is likely that the flow connects to the tributary of Shakers Creek. Therefore, Wetland F is expected to be determined federally jurisdictional.

Wetland G –This wetland consists of common reed marsh (PEM) and shallow emergent marsh (PEM). Wetland G continues south outside of the project area and becomes forested wetland. The common reed marsh areas are dominated by common reed. The shallow emergent marsh area is dominated by purple loosestrife and common reed with lesser occurrences of species such as sensitive fern, boneset (*Eupatorium perfoliatum*), joe pye weed (*Eutrochium maculatum*) and speckled alder (*Alnus incana*).

Observed hydrology indicators included Geomorphic Position (D2) and FAC-Neutral Test (D5). The hydric soil indicator is Dark Surface (S7).

Wetland G is a NYSDEC mapped freshwater wetland (N-3). This wetland is a Class II wetland.

The total size of Wetland G within the project area is approximately 0.74 acres. Wetland G contains a tributary of Shakers Creek. Therefore, Wetland G is federally and state jurisdictional.

Tributary of Shakers Creek-This intermittent stream is within Wetland G. Common reed was growing within the channel within the limits of the project area and the substrate near the project area is rip rap. This stream continues south beyond the project area in to forested wetland. The length of the tributary within the project area is approximately 58 linear feet. This stream is assumed to be federally jurisdictional.

4.0 SUMMARY

CHA delineated wetlands within an approximately 3-acre project area located in the Town of Colonie, Albany County, New York. The follow tables provide the ecological community types for each feature, size of the feature within the project area and the anticipated regulatory jurisdiction.

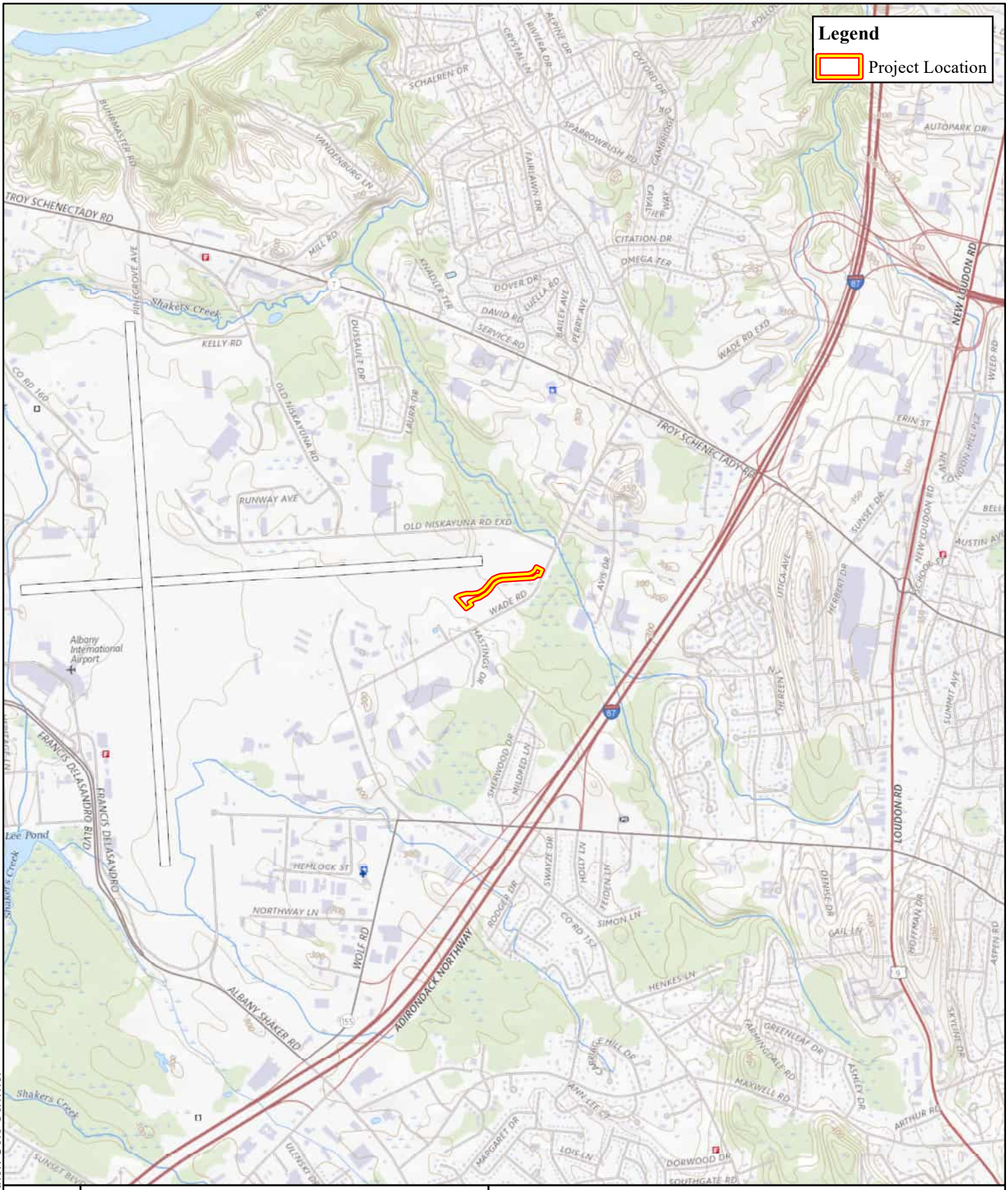
Table 1 – Wetlands

FEATURE	COMMUNITY TYPE	SIZE (SF/AC)	JURISDICTION
Wetland F	Common Reed Marsh (PEM) & Shallow Emergent Marsh (PEM)	1,307 SF/0.03 AC	Federal (Section 404)
Wetland G	Common Reed Marsh (PEM) & Shallow Emergent Marsh (PEM)	32,234 SF/ 0.74 AC	Federal (Section 404)/ State (Article 24)
TOTAL		**33,541 SF/ 0.77 AC**	

Table 2 – Stream

FEATURE	COMMUNITY TYPE	LENGTH (LF)	JURISDICTION
Tributary of Shakers Creek	Intermittent Stream (R4SBC)	58	Federal (Section 404)
TOTAL		**58 LF**	

Appendix A



CHA

USGS Project Location Map

Albany International Airport Runway 28 End
Town of Colonie, Albany County, NY

Scale 1" = 2000'

CHA Prject No. 077565.000

Service Layer Credits: USGS The National Map: National Boundaries Dataset. 7.5-Minute Topographic Map of Albany (2019) & Niskayuna (2019) USGS Quadrangles

NYSDEC Freshwater Wetland & Stream Map

Albany International Airport Runway 28 End
Town of Colonie, Albany County, New York

N

CHA

Scale 1" = 500'

CHA Project No.
077565.000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDS, USGS, AeroGRID, IGN, and the GIS User Community. NYSDEC Wetlands and Classified Streams courtesy of the NYS Department of Environmental Conservation

Date Saved: 9/12/2022 • Author: Cole Scrivner

N

USFWS National Wetland Inventory Map

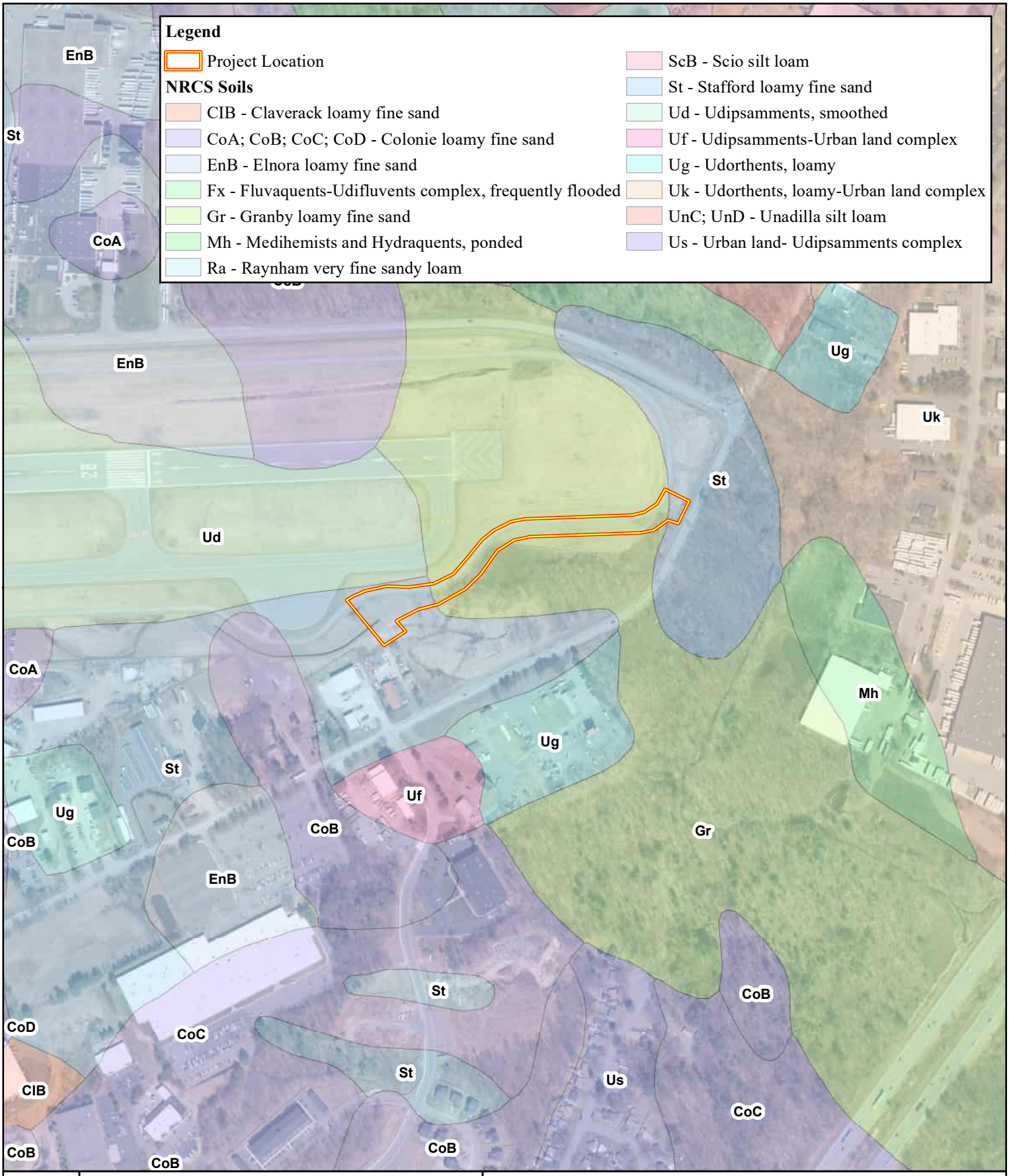
Albany International Airport Runway 28 End
Town of Colonie, Albany County, New York

Scale 1" = 500'

CHA Project No.
077565.000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDS, USGS, AeroGRID, IGN, and the GIS User Community. NWI Wetland data courtesy of the National Wetlands Inventory produced by the U.S. Fish and Wildlife Service

Date Saved: 9/12/2022 • Author: Cole Scrivner



N

CHA

NRCS Soil Map

Albany International Airport Runway 28 End
Town of Colonie, Albany County, New York

Scale 1" = 500'

CHA Project No. 077565.000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDS, USGS, AeroGRID, IGN, and the GIS User Community. Soil Data courtesy of the Natural Resource Conservation Service

Date Saved: 9/12/2022 • Author: Cole Scrivner

FEMA Floodzone Map

Albany International Airport Runway 28 End
Town of Colonie, Albany County, New York

N

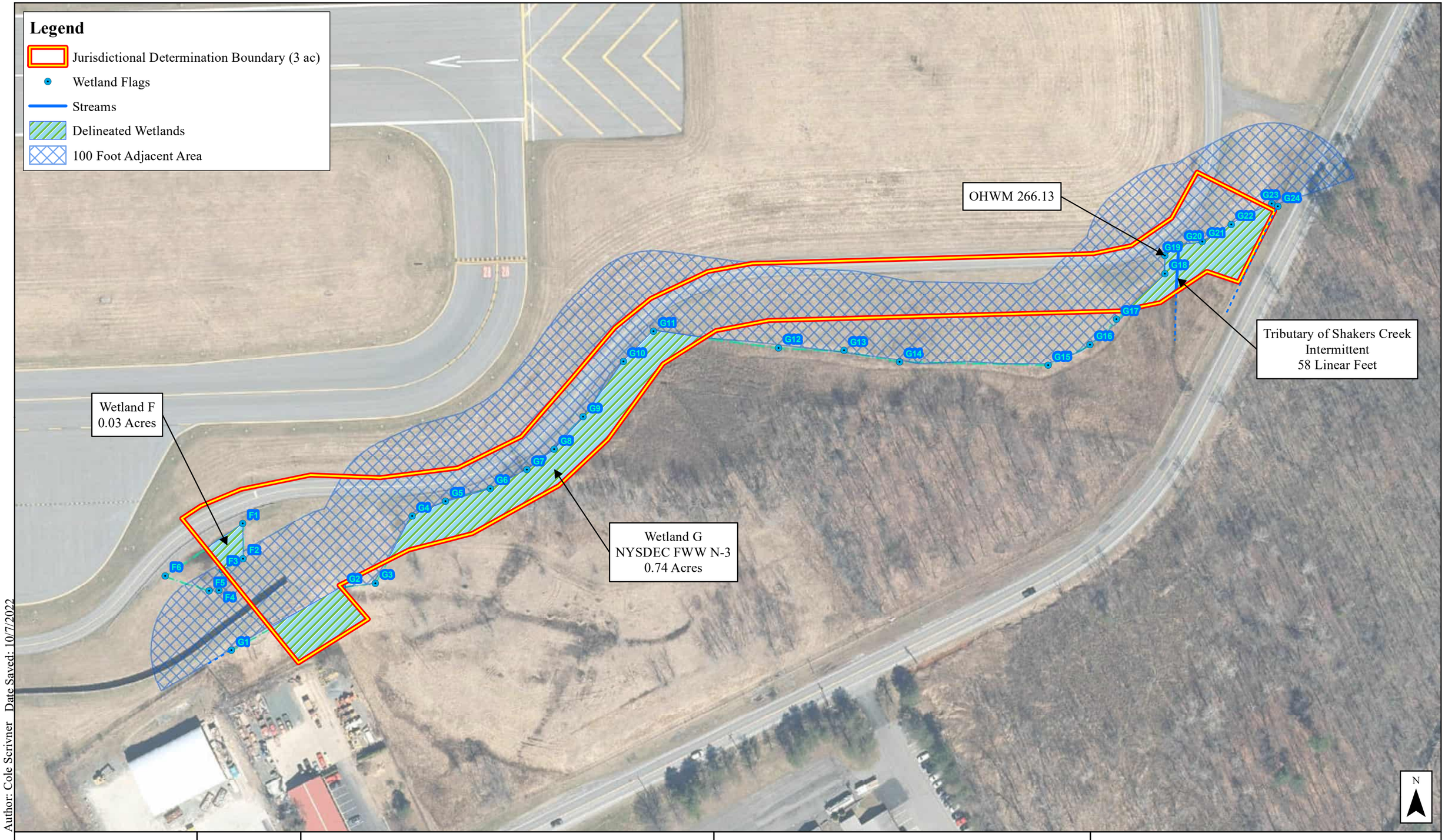
Scale 1" = 500'

CHA Project No.
077565.000

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDS, USGS, AeroGRID, IGN, and the GIS User Community.
Floodzones courtesy of the Federal Emergency Managment Agency (FEMA)

Date Saved: 9/12/2022 • Author: Cole Scrivner

Appendix B



Author: Cole Scrivner Date Saved: 10/7/2022

CHA

CHA Project No. 077565.000

0 50 100 200 300 400 500 Feet

Albany International Airport Runway 28 End
Town of Colonie, Albany County, New York
Wetland & Stream Delineation Map

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community.

Appendix C

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport-Runway 28 End City/County: Colonie/ Albany Sampling Date: 9/19/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: F-2 wet

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave Slope %: 0-1

Subregion (LRR or MLRA): LRR R Lat: 42-44-53.55N Long: 73-47-11.85W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes X	No ____	

Remarks: (Explain alternative procedures here or in a separate report.)
Common reed marsh.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
culvert under road

VEGETATION – Use scientific names of plants.

Sampling Point: F-2 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Phragmites australis*	50	Yes	FACW
2. *Phalaris arundinacea*	30	Yes	FACW
3. *Setaria pumila*	5	No	FAC
4. *Lythrum salicaria*	20	No	OBL
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	105 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (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	20	x 1 =	20
FACW species	80	x 2 =	160
FAC species	5	x 3 =	15
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	105 (A)		195 (B)

Prevalence Index = B/A = 1.86

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

_X_ 2 - Dominance Test is >50%

_X_ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** X **No** ___

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

SOIL

Sampling Point: F-2 wet

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

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-2	10YR 2/1	100					Sandy	
2-8	10YR 4/2	70	2.5YR 4/4	10	C	M	Sandy	Prominent redox concentrations
			7.5YR 5/6	20	C	M		Prominent redox concentrations
8-16	10YR 4/1	50	10YR 5/6	20	C	M	Loamy/Clayey	Prominent redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- X Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport-Runway 28 End City/County: Colonie/ Albany Sampling Date: 9/19/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: F-2 Upl

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-53.59N Long: 73-47-11.43W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: n/a

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes ____	No X	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes ____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)
mowed lawn

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: F-2 Upl

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Poa pratensis*	60	Yes	FACU
2. *Trifolium pratense*	8	No	FACU
3. *Galium boreale*	15	No	FAC
4. *Plantago lanceolata*	20	No	FACU
5. *Daucus carota*	2	No	UPL
6. *Plantago major*	5	No	FACU
7. *Trifolium repens*	5	No	FACU
8.			
9.			
10.			
11.			
12.			
	115 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	15	x 3 =	45
FACU species	98	x 4 =	392
UPL species	2	x 5 =	10
Column Totals:	115 (A)		447 (B)

Prevalence Index = B/A = 3.89

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** ___ **No** X

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

SOIL

Sampling Point: F-2 Upl

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

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 3/3	100					Loamy/Clayey	rocky
10-16	10YR 3/4	100					Sandy	with stones

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ____

Hydric Soil Present? **Yes** ____ **No** X

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport-Runway 28 End City/County: Colonie/ Albany Sampling Date: 9/19/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: G-22 wet

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): depression Local relief (concave, convex, none): concave Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-57.29N Long: 73-46-55.02W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: PEM

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes X	No ____	**Is the Sampled Area within a Wetland?** **Yes** X **No** ____
Hydric Soil Present?	Yes X	No ____	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes X	No ____	

Remarks: (Explain alternative procedures here or in a separate report.)
shallow emergent marsh

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- X Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- X FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes x	No ____	Depth (inches): 3

Wetland Hydrology Present? **Yes** X **No** ____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Stream present. Culvert under the road.

VEGETATION – Use scientific names of plants.

Sampling Point: G-22 wet

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1. *Alnus incana*	5	Yes	FACW
2.			
3.			
4.			
5.			
6.			
7.			
	5 =Total Cover		
Herb Stratum (Plot size: 5')			
1. *Phragmites australis*	40	Yes	FACW
2. *Helianthus sp.*	8	No	
3. *Lythrum salicaria*	45	Yes	OBL
4. *Eupatorium perfoliatum*	2	No	FACW
5. *Onoclea sensibilis*	5	No	FACW
6. *Oenothera biennis*	1	No	FACU
7. *Cirsium vulgare*	1	No	FACU
8. *Galium boreale*	8	No	FAC
9. *Eutrochium maculatum*	3	No	OBL
10. *Erigeron canadensis*	1	No	FACU
11. *Lactuca serriola*	1	No	FACU
12. *Lonicera tatarica*	2	No	FACU
	119 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1. *Parthenocissus quinquefolia*	2	No	FACU
2.			
3.			
4.			
	2 =Total Cover		

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	48	x 1 =	48
FACW species	54	x 2 =	108
FAC species	8	x 3 =	24
FACU species	8	x 4 =	32
UPL species	0	x 5 =	0
Column Totals:	118 (A)		212 (B)

Prevalence Index = B/A = 1.80

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

_X_ 2 - Dominance Test is >50%

_X_ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

Hydrophytic Vegetation Present? **Yes** X **No** ___

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

VEGETATION Continued – Use scientific names of plants.

Sampling Point: G-22 wet

Tree Stratum	Absolute % Cover	Dominant Species?	Indicator Status
8.			
9.			
10.			
11.			
12.			
13.			
14.			
	=Total Cover		
Sapling/Shrub Stratum			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
	5 =Total Cover		
Herb Stratum			
13. *Persicaria pensylvanica*	2	No	FACW
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
	119 =Total Cover		
Woody Vine Stratum			
5.			
6.			
7.			
8.			
	2 =Total Cover		

Definitions of Vegetation Strata:

Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

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

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

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

SOIL

Sampling Point: G-22 wet

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

Depth	Matrix		Redox Features					
(inches)	Color (moist)	%	Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 2/1	100					Sandy	masked sands
8-16	10YR 4/1	85	10YR 6/2	15	C	M	Sandy	Faint redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- X Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

U.S. Army Corps of Engineers
WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region
See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024
Requirement Control Symbol EXEMPT:
(Authority: AR 335-15, paragraph 5-2a)

Project/Site: Albany International Airport-Runway 28 End City/County: Colonie/ Albany Sampling Date: 9/19/22

Applicant/Owner: Albany County Airport Authority State: NY Sampling Point: G-22 Upl

Investigator(s): N. Frazer & C. Einstein Section, Township, Range:

Landform (hillside, terrace, etc.): flat Local relief (concave, convex, none): none Slope %: 0

Subregion (LRR or MLRA): LRR R Lat: 42-44-57.53N Long: 73-46-54.93W Datum: WGS84

Soil Map Unit Name: Stafford loamy fine sand (St) NWI classification: n/a

Are climatic / hydrologic conditions on the site typical for this time of year? Yes x No ____ (If no, explain in Remarks.)

Are Vegetation ____, Soil ____, or Hydrology ____ significantly disturbed? Are "Normal Circumstances" present? Yes x No ____

Are Vegetation ____, Soil ____, or Hydrology ____ naturally problematic? (If needed, explain any answers in Remarks.)

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

Hydrophytic Vegetation Present?	Yes ____	No X	**Is the Sampled Area within a Wetland?** **Yes** ____ **No** X
Hydric Soil Present?	Yes X	No ____	If yes, optional Wetland Site ID:
Wetland Hydrology Present?	Yes ____	No X	

Remarks: (Explain alternative procedures here or in a separate report.)
mowed

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ Marl Deposits (B15)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ____	No x	Depth (inches): ____
Water Table Present?	Yes ____	No x	Depth (inches): ____
Saturation Present? (includes capillary fringe)	Yes ____	No x	Depth (inches): ____

Wetland Hydrology Present? **Yes** ____ **No** X

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION – Use scientific names of plants.

Sampling Point: G-22 Upl

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15')			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	=Total Cover		
Herb Stratum (Plot size: 5')			
1. *Poa pratensis*	60	Yes	FACU
2. *Taraxacum officinale*	5	No	FACU
3. *Galium boreale*	10	No	FAC
4. *Plantago lanceolata*	30	Yes	FACU
5. *Trifolium pratense*	2	No	FACU
6.			
7.			
8.			
9.			
10.			
11.			
12.			
	107 =Total Cover		
Woody Vine Stratum (Plot size: 30')			
1.			
2.			
3.			
4.			
	=Total Cover		

Dominance Test worksheet:

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

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

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

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	10	x 3 =	30
FACU species	97	x 4 =	388
UPL species	0	x 5 =	0
Column Totals:	107 (A)		418 (B)

Prevalence Index = B/A = 3.91

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

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

Definitions of Vegetation Strata:

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

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

Hydrophytic Vegetation Present? **Yes** ___ **No** X

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

SOIL

Sampling Point: G-22 Upl

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

Depth (inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 2/2	100					Sandy	
3-9	10YR 3/1	95	2.5YR 4/6	5	C	M	Sandy	Prominent redox concentrations
9-16	10YR 4/3	85	2.5YR 4/6	5	C	M	Sandy	Prominent redox concentrations
			10YR 5/3	10	C	M		Faint redox concentrations

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

[2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Mesic Spodic (A17) **(MLRA 144A, 145, 149B)**
- ___ Sandy Mucky Mineral (S1)
- ___ Sandy Gleyed Matrix (S4)
- X Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) (**LRR R, MLRA 149B**)
- ___ Thin Dark Surface (S9) (**LRR R, MLRA 149B**)
- ___ High Chroma Sands (S11) (**LRR K, L)**
- ___ Loamy Mucky Mineral (F1) (**LRR K, L**)
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR K, L**)
- ___ Red Parent Material (F21) **(MLRA 145)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) (**LRR K, L, MLRA 149B**)
- ___ Coast Prairie Redox (A16) (**LRR K, L, R**)
- ___ 5 cm Mucky Peat or Peat (S3) (**LRR K, L, R**)
- ___ Polyvalue Below Surface (S8) (**LRR K, L**)
- ___ Thin Dark Surface (S9) (**LRR K, L**)
- ___ Iron-Manganese Masses (F12) (**LRR K, L, R**)
- ___ Piedmont Floodplain Soils (F19) (**MLRA 149B**)
- ___ Red Parent Material (F21) **(outside MLRA 145)**
- ___ Very Shallow Dark Surface (F22)
- ___ Other (Explain in Remarks)

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

Restrictive Layer (if observed):

Type: none

Depth (inches): ___

Hydric Soil Present? **Yes** X **No** ___

Remarks:

Appendix D

Photo 1- Wetland Data Point at F-2

Photo 2- Wetland Data Point F-2 Soils

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SITE PHOTOGRAPHS

Albany International Airport
Runway 28 End
Town of Colonie, Albany Co., NY

Photo 3- Upland Data Point at F-2

Photo 4- Upland Data Point F-2 Soils

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SITE PHOTOGRAPHS

Albany International Airport
Runway 28 End
Town of Colonie, Albany Co., NY

Photo 5- Wetland Data Point at G-22

Photo 6- Wetland Data Point G-22 Soils

SITE PHOTOGRAPHS

Albany International Airport
Runway 28 End
Town of Colonie, Albany Co., NY

Photo 7- Upland Data Point at G-22

Photo 8- Upland Data Point G-22 Soils

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SITE PHOTOGRAPHS

Albany International Airport
Runway 28 End
Town of Colonie, Albany Co., NY

Photo 9- Wetland G from flag G-23 facing southwest.

Photo 10- Wetland G near flag G-18 facing south.

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SITE PHOTOGRAPHS

Albany International Airport
Runway 28 End
Town of Colonie, Albany Co., NY

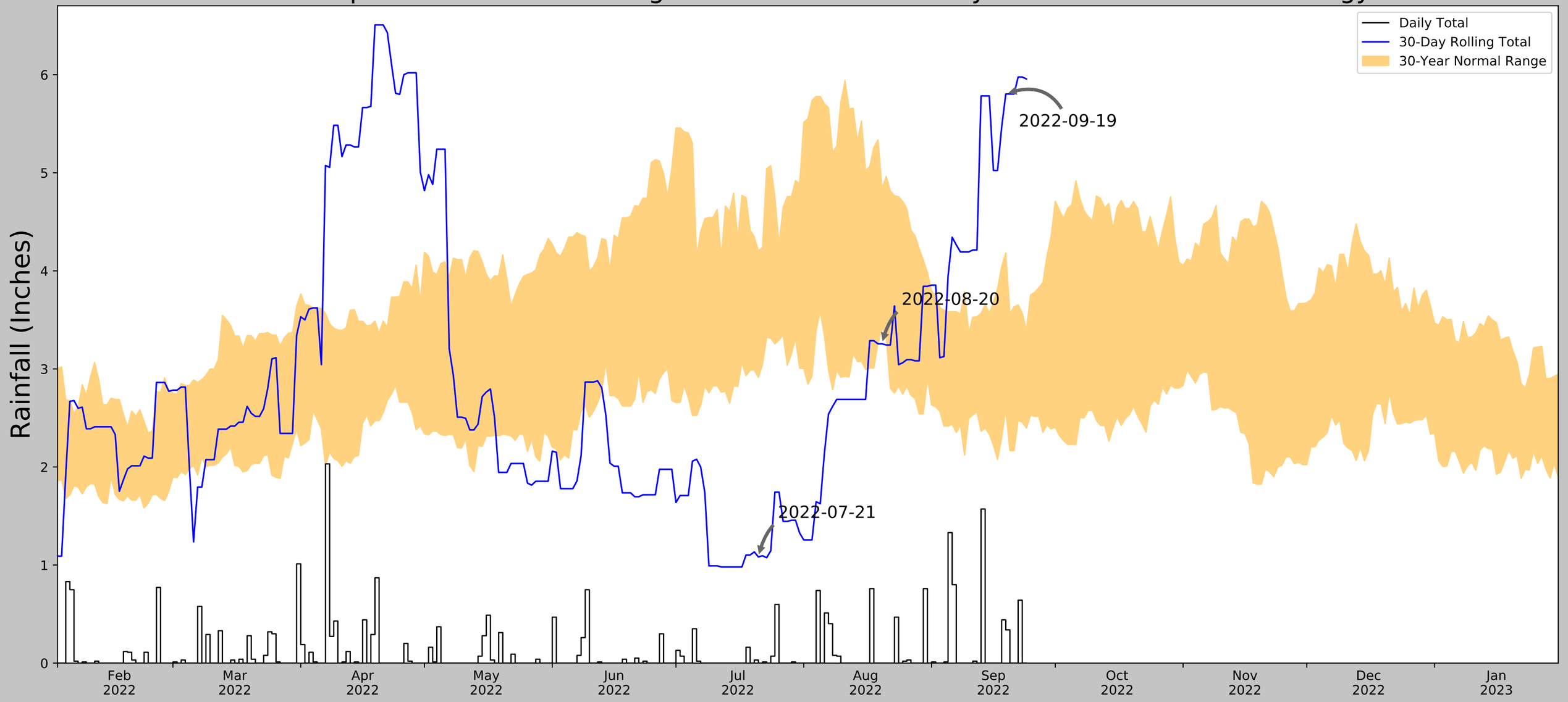
Photo 11- Wetland G near flag G-2 facing south.

SITE PHOTOGRAPHS

Albany International Airport
Runway 28 End
Town of Colonie, Albany Co., NY

Appendix E

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	42.748883, -73.784872
Observation Date	2022-09-19
Elevation (ft)	269.84
Drought Index (PDSI)	Moderate drought (2022-08)
WebWIMP H_2O Balance	Dry Season

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

30 Days Ending	30th %ile (in)	70th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2022-09-19	2.585039	4.184252	5.80315	Wet	3	3	9
2022-08-20	3.420473	4.842914	3.255906	Dry	1	2	2
2022-07-21	2.913386	4.207087	1.082677	Dry	1	1	1
Result							Normal Conditions - 12

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
ALBANY AP	42.7431, -73.8092	312.008	1.297	42.168	0.638	11352	90
SCHENECTADY 3.3 E	42.7938, -73.8639	330.053	4.469	18.045	2.092	1	0

Appendix F

ATTACHMENT

PRELIMINARY JURISDICTIONAL DETERMINATION FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD):

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:
Albany County Airport Authority, Main Terminal Suite 300, 737 Albany Shaker Road, Albany, NY 12211-1057

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: New York District

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION: (USE THE ATTACHED TABLE TO DOCUMENT MULTIPLE WATERBODIES AT DIFFERENT SITES)

State: NY County/parish/borough: Albany County/ Town of Colonie
Center coordinates of site:
Lat. 42-44-56.59N **Pick List**, Long. **Pick List**. 73-47-04.70W
Universal Transverse Mercator:
Name of nearest waterbody: Tributary of Shakers Creek

Identify (estimate) amount of waters in the review area:
Non-wetland waters: 58 linear feet
Cowardin Class: R4SBC
Stream Flow: Intermittent
Wetlands: Wetland F 0.03 acres, Wetland G 0.74 acres.
Cowardin Class: PEM

Name of any water bodies on the site that have been identified as Section 10 waters:
Tidal: N/A
Non-Tidal: N/A

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

☐ Office (Desk) Determination. Date:
☐ Field Determination. Date(s):

1. The Corps of Engineers believes that there may be jurisdictional waters of the United States on the subject site, and the permit applicant or other affected party who requested this preliminary JD is hereby advised of his or her option to request and obtain an approved jurisdictional determination (JD) for that site. Nevertheless, the permit applicant or other person who requested this preliminary JD has declined to exercise the option to obtain an approved JD in this instance and at this time.

2. In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an approved JD for the activity, the permit applicant is hereby made aware of the following: (1) the permit applicant has elected to seek a permit authorization based on a preliminary JD, which does not make an official determination of jurisdictional waters; (2) that the applicant has the option to request an approved JD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an approved JD could possibly result in less compensatory mitigation being required or different special conditions; (3) that the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) that the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) that undertaking any activity in reliance upon the subject permit authorization without requesting an approved JD constitutes the applicant's acceptance of the use of the preliminary JD, but that either form of JD will be processed as soon as is practicable; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a preliminary JD constitutes agreement that all wetlands and other water bodies on the site affected in any way by that activity are jurisdictional waters of the United States, and precludes any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an approved JD or a preliminary JD, that JD will be processed as soon as is practicable. Further, an approved JD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331, and that in any administrative appeal, jurisdictional issues can be raised (see 33 C.F.R. 331.5(a)(2)). If, during that administrative appeal, it becomes necessary to make an official determination whether CWA jurisdiction exists over a site, or to provide an official delineation of jurisdictional waters on the site, the Corps will provide an approved JD to accomplish that result, as soon as is practicable. This preliminary JD finds that there *"may be"* waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply - checked items should be included in case file and, where checked and requested, appropriately reference sources below):

☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant:

☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.

- ☐ Office concurs with data sheets/delineation report.
- ☐ Office does not concur with data sheets/delineation report.

☐ Data sheets prepared by the Corps:

☐ Corps navigable waters' study: .

☐ U.S. Geological Survey Hydrologic Atlas: .

- ☐ USGS NHD data.
- ☐ USGS 8 and 12 digit HUC maps.

☒ U.S. Geological Survey map(s). Cite scale & quad name:1" = 2000' Albany & Niskayuna Quadrangles.

☒ USDA Natural Resources Conservation Service Soil Survey. Citation: NRCS Soil Survey for Albany County.

☒ National wetlands inventory map(s). Cite name: Albany & Niskayuna Quadrangles.

☒ State/Local wetland inventory map(s): NYSDEC Freshwater Wetland Map

☒ FEMA/FIRM maps: Panel 36001C0181D

☐ 100-year Floodplain Elevation is: Not shown

☐ Photographs: ☐ Aerial (Name & Date):
or ☒ Other (Name & Date): Site Photographs taken by CHA on September 19, 2022.

☐ Previous determination(s). File no. and date of response letter:

☐ Other information (please specify):

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Signature and date of Corps Project Manager (REQUIRED)

Signature and date of person requesting preliminary JD (REQUIRED, unless obtaining the signature is impracticable)

Albany County Airport Authority

January 9, 2023

Philip F. Calderone, Esq.; Chief Executive Officer

Aquatic Resources					
Feature	**Latitude (decimal degrees)**	**Longitude (decimal degrees)**	**Type of Aquatic Resource**	**Estimated Amount of Aquatic Resource in Review Area**	**Geographic Authority**
Wetland F	Center Point Coordinates		Wetland	0.03 acres	Section 404
	42.748128	73.786778			
Wetland G	Center Point Coordinates		Wetland	0.74 acres	Section 404/Article 24
	42.748811	73.784614			
Tributary of Shakers Creek	Beginning Point Coordinates		Non-wetland	58 linear feet	Section 404
	42.749181	73.782306			
	Ending Point Coordinates				
	42.749058	73.782267			

Attachment B

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Albany County, New York

Local office

New York Ecological Services Field Office

(607) 753-9334
(607) 753-9699
fw5es_nyfo@fws.gov

3817 Luker Road
Cortland, NY 13045-9385

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Northern Long-eared Bat Myotis septentrionalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered

Insects

NAME	STATUS
Karner Blue Butterfly Lycaeides melissa samuelis Wherever found There is **proposed** critical habitat for this species. https://ecos.fws.gov/ecp/species/6656	Endangered
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Dec 1 to Aug 31
Belted Kingfisher *Megaceryle alcyon* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 15 to Jul 25

Black-billed Cuckoo *Coccyzus erythropthalmus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Blue-winged Warbler *Vermivora pinus* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 1 to Jun 30
Bobolink *Dolichonyx oryzivorus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31
Canada Warbler *Cardellina canadensis* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Cerulean Warbler *Dendroica cerulea* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 20 to Jul 20
Chimney Swift *Chaetura pelagica* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25
Eastern Meadowlark *Sturnella magna* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Apr 25 to Aug 31
Eastern Whip-poor-will *Antrostomus vociferus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Aug 20
Evening Grosbeak *Coccothraustes vespertinus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 15 to Aug 10

Golden Eagle *Aquila chrysaetos* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1680	Breeds Jan 1 to Aug 31
Lesser Yellowlegs *Tringa flavipes* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Prairie Warbler *Dendroica discolor* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Red-headed Woodpecker *Melanerpes erythrocephalus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Upland Sandpiper *Bartramia longicauda* This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9294	Breeds May 1 to Aug 31
Wood Thrush *Hylocichla mustelina* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey

effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

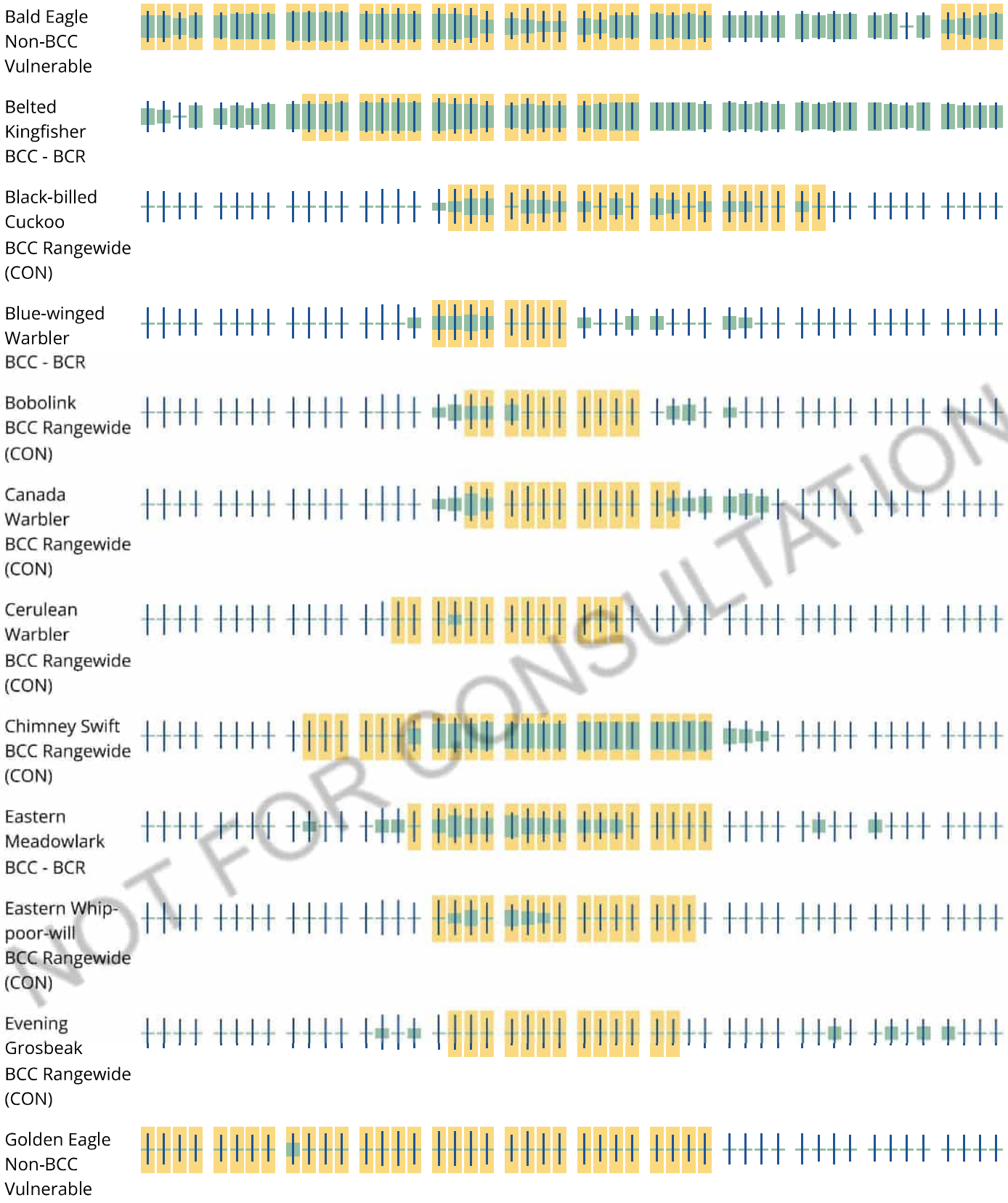
Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

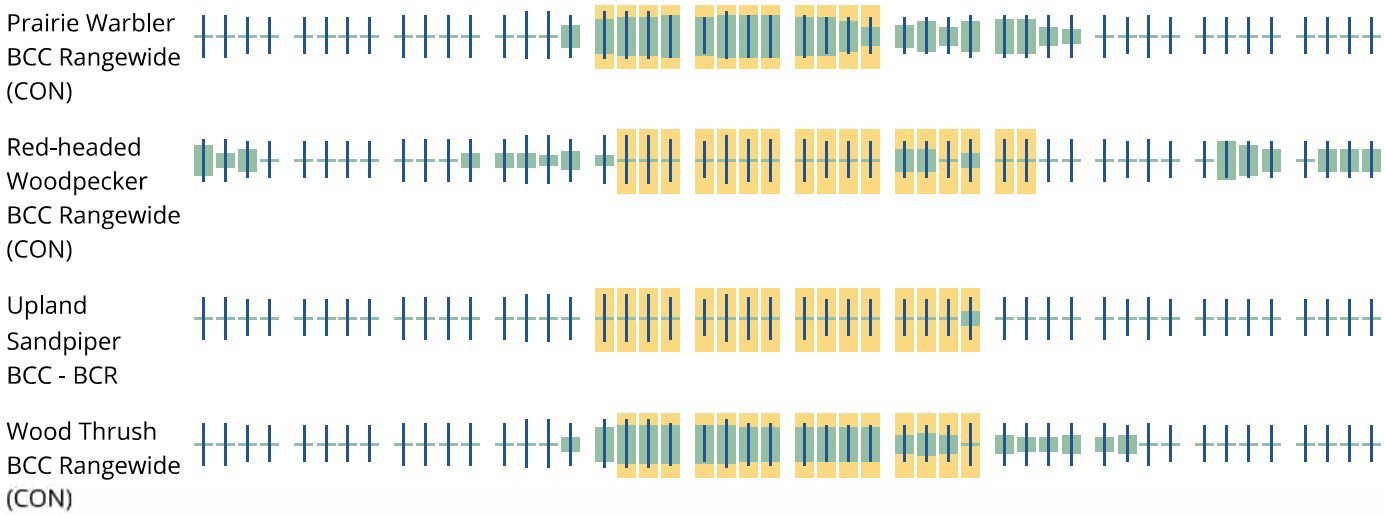
Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Coastal Barrier Resources System

Projects within the John H. Chafee Coastal Barrier Resources System (CBRS) may be subject to the restrictions on Federal expenditures and financial assistance and the consultation requirements of the Coastal Barrier Resources Act (CBRA) (16 U.S.C. 3501 et seq.). For more information, please contact the local Ecological Services Field Office or visit the CBRA Consultations website. The CBRA website provides tools such as a flow chart to help determine whether consultation is required and a template to facilitate the consultation process.

There are no known coastal barriers at this location.

Data limitations

The CBRS boundaries used in IPaC are representations of the controlling boundaries, which are depicted on the official CBRS maps. The boundaries depicted in this layer are not to be considered authoritative for in/out determinations close to a CBRS boundary (i.e., within the "CBRS Buffer Zone" that appears as a hatched area on either side of the boundary). For projects that are very close to a CBRS boundary but do not clearly intersect a unit, you may contact the Service for an official determination by following the instructions here: https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation

Data exclusions

CBRS units extend seaward out to either the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward extent of the units is not shown in the CBRS data, therefore projects in the offshore areas of units (e.g., dredging, breakwaters, offshore wind energy or oil and gas projects) may be subject to CBRA even if they do not intersect the CBRS data. For additional information, please contact CBRA@fws.gov.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Attachment C

New York State
Parks, Recreation and
Historic Preservation

KATHY HOCHUL
Governor

ERIK KULLESEID
Commissioner

October 31, 2022

Simon Davies
Senior Environmental Planner
CHA, Inc.
201 N. Illinois Street
Suite 800
Indianapolis, IN 46204

Re: FAA
Runway 1 Airport Service Road Relocation Environmental Assessment
Town of Colonie, Albany County, NY
22PR07391

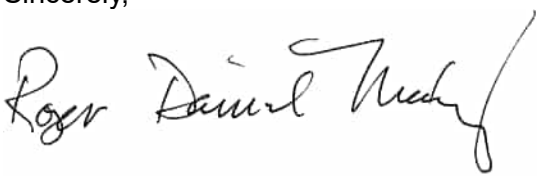
Dear Simon Davies:

Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based upon this review, it is the opinion of the New York SHPO that no historic properties, including archaeological and/or historic resources, will be affected by this undertaking.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,



R. Daniel Mackay

Deputy State Historic Preservation Officer
Division for Historic Preservation

rev: J. Schreyer

New York State
Parks, Recreation and
Historic Preservation

KATHY HOCHUL
Governor

ERIK KULLESEID
Commissioner

November 18, 2022

Nicole Frazer
Principal Scientist
CHA
III Winners Circle
Albany, NY 12054

Re: USACE
Albany International Airport -Runway 28 End Perimeter Fence Relocation

Town of Colonie, Albany County, NY
22PR08288

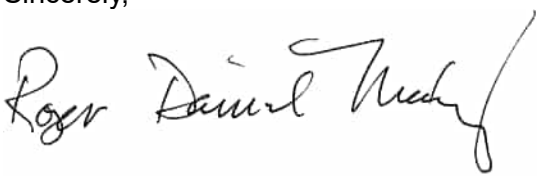
Dear Nicole Frazer:

Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based upon this review, it is the opinion of the New York SHPO that no historic properties, including archaeological and/or historic resources, will be affected by this undertaking.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,



R. Daniel Mackay

Deputy State Historic Preservation Officer
Division for Historic Preservation

rev: E. Czernecki

AGENDA ITEM NO. 2

Tabled Item 10.9 From July 10, 2023 Board Meeting

Service Contract:

Professional Services Contract No. 23-1148
Government Banking Services award to:

KeyBank, N.A.
66 South Pearl Street
Albany, NY 12207

AGENDA ITEM NO: 2
SPECIAL
MEETING DATE: July 17, 2023

ALBANY COUNTY AIRPORT AUTHORITY
REQUEST FOR AUTHORIZATION

ACAA Approved
07/17/2023

DEPARTMENT: *Finance*

Contact Person: *Michael F. Zonsius, Chief Financial Officer*

PURPOSE OF REQUEST: *Tabled Item 10.9 From July 10, 2023 Board Meeting*

Service Contract: *Professional Services Contract No. 23-1148 Government Banking Services award to:*

KeyBank, N.A.
66 South Pearl Street
Albany, NY 12207

CONTRACT AMOUNT:

Total Contract Amount: *NA*

BUDGET INFORMATION:

Anticipated in Current Budget: *Yes* √ *No* ___ *NA* ___
Funding Account Number: *Various*

JUSTIFICATION:

The Authority issued a Request for Proposal for Government Banking Services on May 9, 2023 with stated goals to obtain the best value in banking services and increase the potential to earn income on the Authority's funds while maintain security and meeting liquidity requirements.

The Authority received four (4) proposals to provide said services and an evaluation committee selected KeyBank N.A. as the qualified proposer that offered the best value.

CHIEF EXECUTIVE OFFICER'S RECOMMENDATION:

Recommend approval.

FINAL AGREEMENT SUBJECT TO APPROVAL BY COUNSEL: **YES** ___ **NA** √

PROCUREMENT DEPARTMENT APPROVAL:

Procurement complies with Authority Procurement Guidelines and Chief Financial Officer has approved. **Yes** √ **NA** ___

AGENDA ITEM NO: 2
SPECIAL
MEETING DATE: July 17, 2023

BACK-UP MATERIAL:

Please refer to the following attachments:

- ***Recommendation Memo***
- ***Exhibit A, Government Banking Services Proposals Summary***
- ***Exhibit B, Proposed Interest Revenue***

To: Finance Committee

From: Michael Zonsius

Date: June 29, 2023

A solicitation for Government Banking Services was last conducted May 13, 2018. The contract was for a three (3) year term with two one-year options and expires July 31, 2023.

The Authority issued an RFP for Contract No. 23-1148 Government Banking Services on May 9, 2023. A Pre-proposal Meeting was convened on May 15 and the following four (4) banks submitted bids and were opened on June 9th:

1. Key Bank; and,
2. J.P. Morgan; and,
3. M&T Bank; and,
4. TD Bank.

Exhibit A was prepared and all responses were considered acceptable. A conference call was scheduled with each respondent to review and affirm the interest revenue garnered from each institution as shown on Exhibit B. A review committee met on June 28 and scored the respondent RFPs as follows (possible score 300 pts.): Key Bank 300, TD Bank 291, JP Morgan 288, and M&T Bank 278

Accordingly, the recommendation is to award the contract to Key Bank. I have reviewed the proposed agreements with Key Bank including the Cash Management Services Master Agreement, Deposit Account Agreement and Funds Availability Policy, and Depository Collateral Agreement.

I have reviewed the banking service online platform demonstration and find the platform to satisfy our needs.

Accordingly, I recommend the Authority transition its deposits and banking services to Key Bank and maintain a "thin client" relationship with its current bank, TD Bank, to provide access to reports, clearing and capture of items that may continue to be deposited for what could be years to come such as Passenger Facility Charge Fund.

Exhibit A
Government Banking Services Proposals

Bank	Proposed Compensating Balance	Earnings Credit Rate	Annual Charge	Collateral	Collateral	Basis Points deducted by Fed Funds Rate	Type Rate	Effective Rate	Projected Annual Interest
Key Bank	$ 1,250,017	3.00%	$ 39,010	102%	Third Party , Bank of New York Mellon	+/- 50 basis points	Index	4.58%	$ 2,998,517
TD Bank	3,626,181	0.90%	29,935	102%	Third Party , Bank of New York Mellon	98 basis points	Managed	4.10%	2,684,262
JP Morgan	417,859	3.95%	25,992	102%	Self	108 basis points	Managed	4.00%	2,618,792
M&T Bank	2,350,889	2.25%	62,801	102%	Third Party, Wilmington Trust	-150 basis points	Index	3.58%	2,255,400

Exhibit B
Proposed Interest Revenue

	Key Bank	TD Bank	M&T Bank	JP Morgan
Available Balance	$ 65,500,000	$ 65,500,000	$ 65,500,000	$ 65,500,000
Less: Available Float	-	30,204	-	-
	65,500,000	65,469,796	65,500,000	65,500,000
Less: 10% Reserve	-	6,546,980	-	-
	65,500,000	58,922,816	65,500,000	65,500,000
Proposed Compensating Balance	(1,350,017)	3,626,181	(2,500,000)	-
Collected Balance	64,149,983	62,548,997	63,000,000	65,500,000
Balances Available for Earnings Credit	65,500,000	58,922,816	2,500,000	65,500,000
Earnings Credit Rate	3.00%	0.90%	2.25%	3.95%
Annual Earnings Credit Allowance	1,965,000	530,305	56,250	2,587,250
Annual Service Charges	39,010	29,935	62,801	25,992
Annual Service Charges Due	$ -	$ -	$ -	$ -
Investable Balance	65,469,796	65,469,796	63,000,000	65,469,796
	4.58%	4.10%	3.58%	4.00%
Projected Annual Interest	**$ 2,998,517**	**$ 2,684,262**	**$ 2,255,400**	**$ 2,618,792**