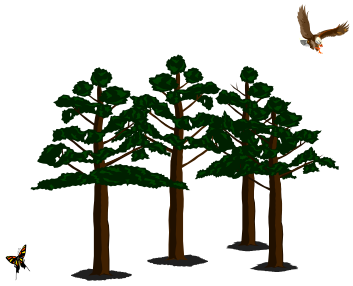
FEDERAL AVIATION ADMINISTRATION

EASTERN REGION
AIRPORTS DIVISION

Final Short Environmental Assessment Form for AIRPORT DEVELOPMENT PROJECTS



Airport Name: Albany International Airport Identifier: ALB

Project Title: New Runway 1 Airport Service Road

This Environmental Assessment becomes a Federal document when evaluated, signed, and dated by the Responsible FAA official.

EDWARD CLARKE KNOESEL Digitally signed by EDWARD CLARKE KNOESEL
Date: 2023.09.29 15:05:36 -04'00'

Responsible FAA Official Date

Complete the following information:

Project Location
Airport Name: Albany International Airport Identifier: ALB
Airport Address: 737 Albany Shaker Road
City: Albany County: Albany State: NY Zip: 12211

Airport Sponsor Information
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1. Introduction/Background:

Albany International Airport (ALB), owned and operated by the Albany County Airport Authority, is in the City of Albany at the junction of Interstate Highways 90 and 87. Runway 1/19 is 8,500 feet long and runs north south, serving as the primary runway at the airport. Throughout most of the airport, a perimeter road system runs along the edge of the airport property adjacent to the perimeter fence, affording airport personnel the ability to respond to various points around the airfield as needed and to conduct regular patrols for both security and wildlife management purposes.

The exception to this is at the Runway 1 end, where the existing perimeter road terminates to the west of the runway end. This requires airport personnel to exit the secure area of the airport and utilize public roadways to traverse the Runway 1 end, re-entering the secure area of the airport on the east side (see **Exhibit 1**).

2. Project Description (List and clearly describe **ALL** components of project proposal including all connected actions). A**ttach a map or drawing of the area with the location(s) of the proposed action(s) identified:**

The Sponsor's Proposed Action to construct a 5,700 +/- linear foot single-lane asphalt perimeter road inside the existing security fence on the southern end and eastern side of Runway 01-19 (see **Exhibit 2**). The proposed road will be constructed entirely on airport property. The road will be 12 feet wide with 2-foot paved shoulders on either side (see **Appendix A**).

3. Project Purpose and Need:

Currently, airport operations and security personnel are only able to access this area by exiting the secure side of the perimeter fence, utilize public roadways to get around the Runway 1 end and, then reenter the secure area (refer back to **Exhibit 1**). This requires personnel to get out of their vehicle to unlock and open the gate, drive through and get out of the vehicle again to lock the gate. This is not an optimal situation, especially when responding to an emergency situation.

The proposed perimeter road would allow airport personnel to remain entirely within the secure Airport Operations Area (AOA). This existing requirement of leaving the secured area and utilize public roadways limits both the response time of airport personnel and the ability to inspect and maintain the existing perimeter fence.

4. Describe the affected environment (existing conditions) and land use in the vicinity of project:

The land use in the vicinity of the project area consists of managed vegetation within the existing AOA. The existing taxiway and perimeter fence are immediately adjacent to the project area, with surface access roads and parking lots to the east and north. Ecological communities within the project area include successional old field, shallow emergent marsh (PEM), common reed marsh (PEM) and 3 streams, which are all tributaries to Shakers Creek. Regulated wetlands exist within the project area, and are described in Section 6 (N) (1) of this draft EA.

5. Alternatives to the Project: Describe any other reasonable actions that may feasibly substitute for the proposed project, and include a description of the "No Action" alternative. If there are no feasible or reasonable alternatives to the proposed project, explain why (attach alternatives drawings as applicable)**:**

The evaluation of the alternatives was primarily driven by the scale of wetland impacts associated with each alignment. Both alternatives meet the purpose and need of the project, and differ only in the acres of wetland impact. A total of

Alternative 1: Alternative 1 consists of a new 5,700 +/- linear foot single-lane 12-foot wide asphalt perimeter road. As currently aligned, the roadway avoids the Runway Object Free Area and navigational aid critical areas (refer back to **Exhibit 2**). Alternative 1 would result approximately 1.19 acres of wetland impacts; however, it is the least environmental damaging practicable alternative when compared to Alternative 2 (see **Exhibit 3**) as it avoids wetland areas to the greatest degree possible.

Alternative 2: Alternative 2 would follow the same alignment as Alternative 1 but stays adjacent to the perimeter fence for the entire corridor and does not avoid any wetland areas. Alternative 2 would impact approximately 1.31 acres of wetlands (see **Exhibit 3**) representing an increase of 0.12 acres of wetland impact over Alternative 1.

No-Action Alternative: The No-Action Alternative would not include a new on-airport perimeter road around the Runway 1 end. Airport personnel would continue the current operation of exiting the secure side of the airport and utilize public roadways to traverse the Runway 1 end.

The preferred alternative selected by the Sponsor is Alternative 1. This alternative meets the purpose and need for the project and represents the least environmentally damaging practicable alternative. Alternative 2 would require an increase in impacts to regulated wetlands and was not selected as the preferred alternative for this reason. The No-Action Alternative does not meet the purpose and need for the project and was not selected as the preferred alternative for this reason.

6. Environmental Consequences – Special Impact Categories (refer to the Instructions page and corresponding sections in 1050.1F, the 1050.1F Desk Reference, and the Desk Reference for Airports Actions for more information and direction. Note that when the 1050.1F Desk Reference and Desk Reference for Airports Actions provide conflicting guidance, the 1050.1F Desk Reference takes precedence. The analysis under each section must comply with the requirements and significance thresholds as described in the Desk Reference).

(A) AIR QUALITY

(1) Will the proposed project(s) cause or create a reasonably foreseeable emission increase? Prepare an air quality assessment and disclose the results. Discuss the applicable regulatory criterion and/or thresholds that will be applied to the results, the specific methodologies, data sources and assumptions used; including the supporting documentation and consultation with federal, state, tribal, or local air quality agencies.

The proposed project will not result in any changes to the number or size of aircraft operating at ALB, and therefore would have no change to existing aircraft emissions. Temporary air quality impacts may occur during construction. However, as discussed in Section A.4 below, the project will be considered presumed to conform according to FRN, vol.72 no. 145.

The project will also not result in an increase in ground vehicle activity nor increase the emissions from those vehicles.

(2) Are there any project components containing unusual circumstances, such as emissions sources in close proximity to areas where the public has access or other considerations that may warrant further analysis? If no, proceed to (3); if yes, an analysis of ambient pollutant concentrations may be necessary. Contact your local ADO regarding how to proceed with the analysis.

No unusual circumstances are associated with the proposed project.

(3) Is the proposed project(s) located in a nonattainment or maintenance area for the National Ambient Air Quality Standards (NAAQS) established under the Clean Air Act?

Based on a review of the United States Environmental Protection Agency (EPA) Green Book (current as of May 31, 2023), Albany County is in attainment for all criteria pollutants.

4) Are all components of the proposed project, including all connected actions, listed as exempt or presumed to conform (See FRN, vol.72 no. 145, pg. 41565)? If yes, cite exemption and go to (B) Biological Resources. If no, go to (5).

The proposed project consists entirely of Non-runway Pavement Work, which is considered presumed to conform per FRN vol 72 No. 145, Section III., Number 3, Non-Runway Pavement Work.

(5) Would the net emissions from the project result in exceedances of the applicable *de minimis* threshold (reference 1050.1F Desk Reference and the *Aviation Emissions and Air Quality Handbook* for guidance) of the criteria pollutant for which the county is in non-attainment or maintenance? If no, go to (B) Biological Resources. If yes, stop development of this form and prepare a standard Environmental Assessment.

Not applicable.

(B) BIOLOGICAL RESOURCES

Describe the potential of the proposed project to directly or indirectly impact fish, wildlife, and plant communities and/or the displacement of wildlife. Be sure to identify any state or federal species of concern (Candidate, Threatened or Endangered).

1) Are there any candidate, threatened, or endangered species listed in or near the project area?

The United States Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) website identified the Northern Long-eared Bat (*Myotis septentrionalis*), a federally threatened species and potentially occurring within the project area (see **Appendix B**). This bat species utilizes trees for roosting during the summer months. The project area is managed turf and emergent wetland, which does not contain habitat for the Northern Long-eared bat. No tree removal or impact to underground caves is associated with this project. The project will have no effect on this species.

Two insect species, the Karner Blue Butterfly (endangered) and the Monarch Butterfly (a candidate species) were also identified by IPaC as potentially present within the area of the airport. Both species have very specific habitat requirements, which are not found within the project area. The USFWS, through IPaC, has issued a determination consistency letter for the Karner Blue Butterfly indicating that the proposed project will have no effect on this species. The Monarch Butterfly requires the presence of milkweed as a larval food source. Due to the managed nature of the upland areas within the project area, no milkweed is present and thus the project will have no effect on this candidate species.

The New York State Department of Environmental Conservation (NYSDEC) Environmental Resource Mapper did not identify any rare animals or plants in the vicinity of the proposed project (see **Appendix B**).

(2) Will the action have any long-term or permanent loss of unlisted plants or wildlife species?

Most of the project area consists of managed airport turf, which does not provide habitat to native plant or wildlife species. The wetlands identified within the project area are dominated by non-native invasive plant species, including reed canary grass (*Phalarius arundinacea*) and do not provide significant habitat for native plant or wildlife species.

(3) Will the action adversely impact any species of concern or their habitat?

As previously discussed, the project area does not contain suitable habitat for any species of concern.

(4) Will the action result in substantial loss, reduction, degradation, disturbance, or fragmentation of native species habitats or populations?

No. The managed turf areas consist primarily of non-native grass species (tall fescue) and the wetland areas are dominated by non-native invasive species which do not provide suitable habitat for native wildlife species.

(5) Will the action have adverse impacts on a species' reproduction rates or mortality rate or ability to sustain population levels?

No adverse impacts to the populations of native species, either through increased mortality or decreased reproductive rates, will occur due to the proposed action.

(6) Are there any habitats, classified as critical by the federal or state agency with jurisdiction, impacted by the proposed project?

No critical habitats as classified by the USFWS or the NYSDEC are either present within the project area or have the potential to be impacted by the project.

(7) Would the proposed project affect species protected under the Migratory Bird Act? (If **Yes**, contact the local ADO).

No, the managed turf grass does not provide suitable habitat for migratory bird species, and the minimal wetland impacts will occur outside of the established breeding season.

If the answer to any of the above is "Yes", consult with the USWFS and appropriate state agencies and provide all correspondence and documentation.

(C) CLIMATE

(1) Would the proposed project or alternative(s) result in the increase or decrease of emissions of Greenhouse gases (GHG)? If neither, this should be briefly explained and no further analysis is required and proceed to (D) Coastal Resources.

The proposed project consists of minor paving (approximately 91,200 square feet) and includes no alteration to either aircraft operations or significant emission sources of GHG at ALB, therefore no increase of GHG emissions is expected. The minor decrease in vehicular travel time for airport personnel is not likely to result in a measurable decrease in GHG.

(2) Will the proposed project or alternative(s) result in a net decrease in GHG emissions (as indicated by quantitative data or proxy measures such as reduction in fuel burn, delay, or flight operations)? A brief statement describing the factual basis for this conclusion is sufficient.

No, see above section C1.

(3) Will the proposed project or alternative(s) result in an increase in GHG emissions? Emissions should be assessed either qualitatively or quantitatively as described in 1050.1F Desk Reference or Aviation Emissions and Air Quality Handbook.

No, see above section C1.

(D) COASTAL RESOURCES

(1) Would the proposed project occur in a coastal zone, or affect the use of a coastal resource, as defined by your state's Coastal Zone Management Plan (CZMP)? Explain.

Based on review of the New York State Department of State Coastal Boundary Map (https://www.dos.ny.gov/opd/atlas/), the project area is not within a coastal zone.

(2) If **Yes**, is the project consistent with the State's CZMP? (If applicable, attach the sponsor's consistency certification and the state's concurrence of that certification).

(3) Is the location of the proposed project within the Coastal Barrier Resources System? (If **Yes**, and the project would receive federal funding, coordinate with the FWS and attach record of consultation).
Based on review of the Coastal Barrier Resources System (CBRS) website (https://www.fws.gov/CBRA/), the project area is not within a CBRS.

(E) SECTION 4(f) RESOURCES
(1) Does the proposed project have an impact on any publicly owned land from a public park, recreation area, or wildlife or waterfowl refuge of national, state, or local significance, or an historic site of national, state, or local significance? Specify if the use will be physical (an actual taking of the property) or constructive (i.e. activities, features, or attributes of the Section 4 (f) property are substantially impaired.) If the answer is "No," proceed to (F) Farmlands.

There are no publicly owned parks, recreation areas, wildlife/waterfowl refuges, or historic/cultural sites within the project area.

(2) Is a *De Minimis* impact determination recommended? If "yes", please provide; supporting documentation that this impact will not substantially impair or adversely affect the activities, features, or attributes of the Section 4 (f) property; a Section 106 finding of "no adverse effect" if historic properties are involved; any mitigation measures; a letter from the official with jurisdiction concurring with the recommended *de minimis* finding; and proof of public involvement. (See Section 5.3.3 of 1050.1F Desk Reference). If "No," stop development of this form and prepare a standard Environmental Assessment.

Because no 4(f) resources will be impacted, a *De Minimus* Impact determination is not recommended.

(F) FARMLANDS
Does the project involve acquisition of farmland, or use of farmland, that would be converted to non-agricultural use and is protected by the Federal Farmland Protection Policy Act (FPPA)? (If **Yes**, attach record of coordination with the Natural Resources Conservation Service (NRCS), including form AD-1006.)

No acquisition, use, or conversion of farmland will occur due to any of the proposed alternatives.

(G) HAZARDOUS MATERIALS, SOLID WASTE, AND POLLUTION PREVENTION
(1) Would the proposed project involve the use of land that may contain hazardous materials or cause potential contamination from hazardous materials? (If Yes, attach record of consultation with appropriate agencies). Explain.

A review of the DECinfo Locator (https://gisservices.dec.ny.gov/gis/dil) and the Toxics Targeting website (http://maps.toxicstargeting.com/) indicated the presence of three (3) environmental

remediation sites in proximity to the project area. These areas are mapped in **Appendix C** and the site records included. Two of these sites (DEC Site codes 401027 and 401038) are located between ¼ and ½ mile from the project area and would not be involved in the proposed project activities. Both sites have been classified by the DEC as C (Completed), indicating that remediation has been satisfactorily completed under a remedial program and have completed all active operation, maintenance, or monitoring requirements.

The third site (DEC Site Code 401081) is located directly adjacent to the eastern edge of the project area on property owned by the Albany County Airport Authority and the New York Division of Military and Naval Affairs. The documentation of the site is also contained in **Appendix C**. The contaminant of concern is perfluorooctane sulfonic acid (one of the PFOS chemical family) associated the previous use of the site for the storage of fire fighting vehicles, including aqueous film forming foam (AFFF). Specific records of two discharges of AFFF indicate that a test of the system was completed in the parking lot in 2012, and in 2017 a burning garbage truck was extinguished. No specific information on levels of this contaminant have been collected, and the site is classified by the DEC as P (Potential), where preliminary information indicates that a site may have contamination that makes it eligible for consideration for placement on the Registry of Inactive Hazardous Waste Disposal Sites (commonly referred to as the list of State Superfund Sites). While this site is adjacent to the project area, no soil disturbance is planned with the identified site boundaries associated with the road construction.

(2) Would the operation and/or construction of the project generate significant amounts of solid waste? If **Yes**, are local disposal facilities capable of handling the additional volumes of waste resulting from the project? Explain.

As no demolition of existing facilities is included in the proposed project, there is no generation of solid waste anticipated from the construction of the perimeter road. The operation will not produce solid waste.

(3) Will the project produce an appreciable different quantity or type of hazardous waste? Will there be any potential impacts that could adversely affect human health or the environment?

No hazardous waste generation will occur due to the proposed project.

(H) HISTORIC, ARCHITECTURAL, ARCHEOLOGICAL, AND CULTURAL RESOURCES

(1) Describe any impact the proposed project might have on any properties listed in, or eligible for inclusion in the National Register of Historic Places. (Include a record of your consultation and response with the State or Tribal Historic Preservation Officer (S/THPO)).

Per consultation with the New York State Historic Preservation Office, no historic properties (either listed in, or eligible for inclusion in the National Registry of Historic Places) will be affected by this undertaking as indicated in the response provided by the SHPO office on October 31, 2022. **(Appendix D)**

(2) Describe any impacts to archeological resources as a result of the proposed project. (Include a record of consultation with persons or organizations with relevant expertise, including the S/THPO, if applicable).

Per consultation with the New York State Historic Preservation Office, no archaeological resources will be affected by this undertaking as indicated in the response provided by the SHPO office on October 31, 2022. **(Appendix D)**

(I) LAND USE

(1) Would the proposed project result in other (besides noise) impacts that have land use ramifications, such as disruption of communities, relocation of residences or businesses, or impact natural resource areas? Explain.

The project is entirely confined to the secure area of the airport, with no anticipated impacts to external communities, businesses or residences, or natural resource areas beyond the immediate project area.

(2) Would the proposed project be located near or create a wildlife hazard as defined in FAA Advisory Circular 150/5200-33, "Wildlife Hazards On and Near Airports"? Explain.

No. The proposed project consists entirely of the relocation of the perimeter road and has no potential to create a potential wildlife hazard. The long-term use of the perimeter road will not create a wildlife hazard and will improve the ability of airport personnel to inspect and maintain the perimeter fence.

(2) Include documentation to support sponsor's assurance under 49 U.S.C. § 47107 (a) (10), of the 1982 Airport Act, that appropriate actions will be taken, to the extent reasonable, to restrict land use to purposes compatible with normal airport operations.

The proposed perimeter road alignment is outside both the RSA and ROFA and represents a land use compatible with normal airport operations.

(J) NATURAL RESOURCES AND ENERGY SUPPLY

What effect would the project have on natural resource and energy consumption? (Attach record of consultations with local public utilities or suppliers if appropriate)

The proposed project will not have an adverse permanent impact to utilities servicing the project area, fuel consumption, or consumable materials. The project will not result in a significant permanent impact to energy supply.

(K) NOISE AND NOISE-COMPATIBLE LAND USE

Will the project increase noise by DNL 1.5 dB or more for a noise sensitive area that is exposed to noise at or above the DNL 65 dB noise exposure level, or that will be exposed at or above the DNL 65 dB level due to a DNL 1.5 dB or greater increase, when compared to the no action alternative for the same timeframe? (Use AEM as a screening tool and AEDT 2b as appropriate. See FAA Order 1050.1F Desk Reference, Chapter 11, or FAA Order 1050.1F, Appendix B, for further guidance). Please provide all information used to reach your conclusion. If yes, contact your local ADO.

The proposed project does not alter any aircraft taxi operations, or approach and departure operations, and will have no effect upon the makeup of the aircraft utilizing ALB. Therefore, no changes to the existing noise contours will occur and no increase in noise levels over noise sensitive areas.

(L) SOCIOECONOMICS, ENVIRONMENTAL JUSTICE, and CHILDREN'S HEALTH and SAFETY RISKS

(1) Would the project cause an alteration in surface traffic patterns, or cause a noticeable increase in surface traffic congestion or decrease in Level of Service?

The proposed project will not result in any increase to surface traffic on public roadways, nor cause a decrease in the Level of Service. Following the completion of the proposed project, airport personnel that previously were required to use surface roads to traverse the end of Runway 1 will no longer need to do so.

(2) Would the project cause induced, or secondary, socioeconomic impacts to surrounding communities, such as changes to business and economic activity in a community; impact public service demands; induce shifts in population movement and growth, etc.?

No impacts to the surrounding communities, either induced or secondary, will occur due to the proposed project.

(3) Would the project have a disproportionate impact on minority and/or low-income communities? Consider human health, social, economic, and environmental issues in your evaluation. Refer to DOT Order 5610.2(a) which provides the definition for the types of adverse impacts that should be considered when assessing impacts to environmental justice populations.

Based on review of NYSDEC's list of potential Environmental Justice Areas in Albany County, the airport is not within a designated minority or low-income community. The project area is entirely restricted to airport property.

(4) Would the project have the potential to lead to a disproportionate health or safety risk to children?

No. The proposed project is entirely contained within airport property and will have no impacts to the surrounding communities.

If the answer is "YES" to any of the above, please explain the nature and degree of the impact. Also provide a description of mitigation measures which would be considered to reduce any adverse impacts.

(M) VISUAL EFFECTS INCLUDING LIGHT EMISSIONS

(1)Would the project have the potential to create annoyance or interfere with normal activities from light emissions for nearby residents?

(2) Would the project have the potential to affect the visual character of nearby areas due to light emissions?

No. Additional light sources are not proposed as part of the project.

(3) Would the project have the potential to block or obstruct views of visual resources?

No. The proposed project will not impact any viewsheds.

If the answer is "YES" to any of the above, please explain the nature and degree of the impact using graphic materials. Also provide a description of mitigation measures which would be considered to reduce any adverse impacts.

(N) WATER RESOURCES (INCLUDING WETLANDS, FLOODPLAINS, SURFACE WATERS, GROUNDWATER, AND WILD AND SCENIC RIVERS)

(1) WETLANDS

(a) Does the proposed project involve federal or state regulated wetlands or non-jurisdictional wetlands? (Contact USFWS or appropriate state natural resource agencies if protected resources are affected) (Wetlands must be delineated using methods in the US Army Corps of Engineers 1987 Wetland Delineation Manual. Delineations must be performed by a person certified in wetlands delineation Document coordination with the resource agencies).

A wetland delineation was completed on September 16, 2022 (see **Appendix E**). A total of five (5) freshwater emergent wetlands were identified within the project area and are detailed below. A total of 2.94 acres of emergent wetland were delineated with the project area.

Wetland A is a palustrine emergent wetland (PEM) with a total size within the project area of 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 is a palustrine emergent wetland (PEM) with a total size within the project area of 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 is a palustrine emergent wetland (PEM) with a total size within the project area of 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 is a palustrine emergent wetland (PEM) with a total size within the project area of 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 is a palustrine emergent wetland (PEM) with a total size within the project area of 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.

(b) If yes, does the project qualify for an Army Corps of Engineers General permit? (Document coordination with the Corps).

No. In order to qualify for a General Permit with the U.S. Army Corps of Engineers, impacts to jurisdictional wetlands must be below 1.0 acre. Alternative 1 (the Sponsor's Preferred Alternative)

will impact approximately 1.19 acres of wetlands. An Individual 404 permit from the USACE along with a 401 Water Quality certification from NYSDEC have been applied for and are currently in the Public Notice stage of the approval process.

(c) If there are wetlands impacts, are there feasible mitigation alternatives? Explain.

New York has several wetland mitigation alternatives, including wetland mitigation banks and in-lieu fee programs. The specific compensatory mitigation pathway will be determined during the permitting process.

(d) If there are wetlands impacts, describe the measures to be taken to comply with Executive Order 11990, Protection of Wetlands.

The location and extent of the delineated wetlands are such that avoidance of all wetland impacts was impossible. As previously discussed, a total of 2.94 acres of emergent wetland were delineated within the project area. The location of those wetlands, along with the requirement that any proposed road alignment be confined to airport property and avoid all airport design surfaces and navigational critical areas, required impacts to wetlands.

As avoidance of wetland impacts while meeting the purpose and need of the project were impossible, every effort to minimize the amount of wetland impacts was incorporated into the preliminary design process. The proposed road alignment in Alternative 1 (Sponsor's preferred Alternative) results in an impact of 1.19 acres of emergent wetland. Alternative 2 would result in a total of 1.31 acres of emergent wetland. The Preferred Alternative represents the lowest amount of wetland impact while still meeting the purpose and need of the project.

(2) FLOODPLAINS

(a) Would the proposed project be located in, or would it encroach upon, any 100-year floodplains, as designated by the Federal Emergency Management Agency (FEMA)?

Based on review of the Federal Emergency Management Agency map (Panel No. 36001C0181D) (included in the wetland delineation report, **Appendix E**), the project area is not located within the 100-year floodplain.

(b) If Yes, would the project cause notable adverse impacts on natural and beneficial floodplain values as defined in Paragraph 4.k of DOT Order 5620.2, *Floodplain Management and Protection*?

(c) If Yes, attach the corresponding FEMA Flood Insurance Rate Map (FIRM) and describe the measures to be taken to comply with Executive Order 11988, including the public notice requirements.

(3) SURFACE WATERS

(a) Would the project impact surface waters such that water quality standards set by Federal, state, local, or tribal regulatory agencies would be exceeded or would the project have the potential to contaminate a public drinking water supply such that public health may be adversely affected?

The wetland delineation previously discussed also included the field evaluation of surface waters and potentially jurisdictional Waters of the U.S (see **Appendix E**). Three stream reaches (portions of stream channel) were identified within the project area.

Stream S1 is a perennial tributary of Shakers Creek and is within Wetland B. 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 a Waters of the U.S. and federally jurisdictional.

Unnamed Stream within Wetland D is a perennial tributary of Shakers Creek and is within Wetland D. 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 a Waters of the U.S. and federally jurisdictional.

Unnamed Stream within Wetland E is a perennial tributary of Shakers Creek and is within Wetland E. 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 a Waters of the U.S. and federally jurisdictional.

(b) Would the water quality impacts associated with the project cause concerns for applicable permitting agencies or require mitigation in order to obtain a permit?

Yes. The proposed alignment of the perimeter road does include a crossing of one of the tributary streams and will require a permit from the USACE. An estimated 80 linear feet of stream will be impacted through the placement of a culver. Pre-application coordination is being completed concurrently with this document.

If the answer to any of the above questions is "Yes", consult with the USEPA or other appropriate Federal and/or state regulatory and permitting agencies and provide all agency correspondence.

Pre-application coordination with the USACE and NYSDEC is occurring concurrently with this document.

(4) GROUNDWATER

(a) Would the project impact groundwater such that water quality standards set by Federal, state, local, or tribal regulatory agencies would be exceeded, or would the project have the potential to contaminate an aquifer used for public water supply such that public health may be adversely affected?

The proposed project does not include impacts to groundwater nor does it have the potential to contaminate an aquifer such that public health may be adversely affected.

(b) Would the groundwater impacts associated with the project cause concerns for applicable permitting agencies or require mitigation in order to obtain a permit?

No groundwater impacts are anticipated from the proposed project.

(c) Is the project to be located over an EPA-designated Sole Source Aquifer?

As per the U.S. Environmental Protection Agency Sole Source Aquifer map, the project area is located over the Schenectady-Niskayuna Sole Source Aquifer.

If the answer to any of the above questions is "Yes", consult with the USEPA or other appropriate Federal and/or state regulatory and permitting agencies and provide all agency correspondence as an attachment to this form.

Early Coordination was sent to the Region 2 office of the U.S. EPA. As of the date of this document, no reply has been received (see **Appendix D**).

(5) WILD AND SCENIC RIVERS
Would the proposed project affect a river segment that is listed in the Wild and Scenic River System or Nationwide River Inventory (NRI)? (If Yes, coordinate with the jurisdictional agency and attach record of consultation).

Based on review of the Nationwide Rivers Inventory website (https://www.nps.gov/subjects/rivers/nationwide-rivers-inventory.htm), and the Wild, Scenic and Recreational Rivers list by the NYSDEC (http://www.dec.ny.gov/permits/32739.html), there are no rivers designated by the National System or under state jurisdiction within or adjacent to the project area.

(O) CUMULATIVE IMPACTS
Discuss impacts from past, present, and reasonably foreseeable future projects both on and off the airport. Would the proposed project produce a cumulative effect on any of the environmental impact categories above? Consider projects that are connected and may have common timing and/or location. For purposes of this Form, generally use 3 years for past projects and 5 years for future foreseeable projects.

The proposed project has stand-alone utility and is not dependent upon, nor is it required for, any future projects expected within the past five years.

A list of NEPA submittals by the airport over the past three years has been included in **Appendix F** of this document.

7. PERMITS
List all required permits for the proposed project. Has coordination with the appropriate agency commenced? What feedback has the appropriate agency offered in reference to the proposed project? What is the expected time frame for permit review and decision?

USACE 404 Permit
NYSDEC 401 Water Quality Certification
Pre-application coordination for both permits is being conducted concurrently with this document. Permit approvals will be issued prior to construction.

To comply with the requirements of the NY State Pollutant Discharge Elimination System (NPDES) coverage will be obtained under the General Permit for Stormwater Discharges from Construction Activity, informally known as the Construction General Permit (CGP), prior to construction.

8. MITIGATION

Describe those mitigation measures to be taken to avoid creation of significant impacts to a particular resource as a result of the proposed project, and include a discussion of any impacts that cannot be mitigated.

The Sponsor's Preferred Alternative, Alternative 1, was selected to avoid and minimize wetland impacts to the greatest degree possible while still meeting the Purpose and Need and remaining outside the ROFA and navigational critical areas for Runway 1.

The unavoidable wetland impacts that will occur due to the proposed project are confined to emergent wetland areas dominated by non-native invasive species and will have compensatory mitigation. The anticipated mitigation ratio for these impacts, based upon the wetland quality, is 1:1, with 1 acre of wetland mitigation required for each acre of wetland impacted.

No other significant impacts are anticipated because of the proposed project.

9. PUBLIC INVOLVEMENT

Describe the public review process and any comments received. Include copies of Public Notices and proof of publication.

This draft document was released for public review on July 30, 2023 for a public comment period of 30 calendar days and advertised in the following publication:

- The Albany Times Union

The text of the Draft release notice advertisement is provided below. The release notice included the website link to download the Draft EA from the Airport website. Hard copies of the Draft EA were available for review by the public at the Albany International Airport and the William K. Sanford Town Library in Loudonville, NY.

The public comment period expired on August 29, 2023 and no comments were received in either written or electronic format.

Appendix G of the Final EA contains affidavits of the publication of the notice of availability. As no comments were receieved, no responses were required for inclusion in the Final EA.

Text of Draft EA release notice advertisement:

NOTICE OF AVAILABILITY
ALBANY INTERNATIONAL AIRPORT
Draft Environmental Assessment
Runway 1 Perimeter Road

In accordance with the National Environmental Policy Act (NEPA), NOTICE IS HEREBY GIVEN that copies of a Draft New York Airport District Office Short Form Environmental Assessment (EA) for a new on-airport 4,000-foot perimeter road at Albany International Airport are available for public review and comment. The Draft EA identifies the proposed action, portrays project alternatives, and presents an evaluation of potential environmental impacts. The Draft EA can be viewed and downloaded from the airport website at the following link: http://www.alb-master-plan.com/content/documents/

Copies of the Draft EA are also available by contacting Connor Haskin, Airport Planner at (518) 242-2238. The Draft EA document may also be viewed at the William K. Sanford Town Library, 629 Albany Shaker Road, Loudonville, NY. Public comments on the Draft EA may be submitted to the following email address sdavies@chacompanies.com. Comments must be received by close of business on August 29th, 2023 to be considered in the Final EA.

10. LIST OF ATTACHMENTS

Appendix A: Sponsors Proposed Action
Appendix B: Biological Resources
Appendix C: Hazardous Materials
Appendix D: Agency Coordination
Appendix E: Wetland Delineation
Appendix F: List of Past and Future ALB projects
Appendix G: Public Involvement

11. PREPARER CERTIFICATION

I certify that the information I have provided above is, to the best of my knowledge, correct.

Signature — September 28, 2023 (Date)

Simon Davies, ENV SP

Name

Senior Aviation Environmental Planner

Title

CHA Consulting, Inc. — 317-493-3312

Affiliation — Phone #

12. AIRPORT SPONSOR CERTIFICATION

I certify that the information I have provided above is, to the best of my knowledge, correct. I also recognize and agree that no construction activity, including but not limited to site preparation, demolition, or land disturbance, shall proceed for the above proposed project(s) until FAA issues a final environmental decision for the proposed project(s), and until compliance with all other applicable FAA approval actions (e.g., ALP approval, airspace approval, grant approval) and special purpose laws has occurred.

Signature — September 29, 2023 (Date)

Phillp Calderone, Esq.

Name

Chief Executive Officer

Title

Albany County Airport Authority — 518-242-2222

Affiliation — Phone #

Appendix A

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
Phone: (607) 753-9334 Fax: (607) 753-9699
Email Address: fw5es_nyfo@fws.gov

In Reply Refer To: December 13, 2022
Project Code: 2023-0024567
Project Name: Runway 1 Perimeter Road Relocation

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see https://www.fws.gov/birds/policies-and-regulations.php.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. **Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.**

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
(607) 753-9334

Project Summary

Project Code: 2023-0024567
Project Name: Runway 1 Perimeter Road Relocation
Project Type: Airport - Maintenance/Modification
Project Description: Albany International Airport is proposing to construct a 12 foot wide paved perimeter road within the secure portion of the airfield and parallel to the existing perimeter fence.

Project Location:

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@42.736516550000005,-73.80391031923,14z

Counties: Albany County, New York

Endangered Species Act Species

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

---

1. 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.

Mammals

NAME	STATUS
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered

Insects

NAME	STATUS
Karner Blue Butterfly *Lycaeides melissa samuelis* There is **proposed** critical habitat for this species. Species profile: https://ecos.fws.gov/ecp/species/6656	Endangered
Monarch Butterfly *Danaus plexippus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

IPaC User Contact Information

Agency: Albany city
Name: Simon Davies
Address: 201 N. Illinois Street
Address Line 2: Suite 800
City: Indianapolis
State: IN
Zip: 46204
Email sdavies@chacompanies.com
Phone: 3176947654

Lead Agency Contact Information

Lead Agency: Federal Aviation Administration

United States Department of the Interior

FISH AND WILDLIFE SERVICE
New York Ecological Services Field Office
3817 Luker Road
Cortland, NY 13045-9385
Phone: (607) 753-9334 Fax: (607) 753-9699
Email Address: fw5es_nyfo@fws.gov

In Reply Refer To: December 13, 2022
Project code: 2023-0024567
Project Name: Runway 1 Perimeter Road Relocation
Federal Nexus: yes
Federal Action Agency (if applicable): Federal Aviation Administration

Subject: Federal agency coordination under the Endangered Species Act, Section 7 for 'Runway 1 Perimeter Road Relocation'

Dear Simon Davies:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on [object Object], for “Runway 1 Perimeter Road Relocation” (here forward, Project). This project has been assigned Project Code and all future correspondence should clearly reference this number.

The Service developed the IPaC system and associated species’ determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into the IPaC must accurately represent the full scope and details of the Project. Failure to accurately represent or implement the Project as detailed in IPaC or the Northeast Determination Key (DKey), invalidates this letter. To make a no effect determination, the full scope of the proposed project implementation (action) should not have any effects (either positive or negative effect(s)), to a federally listed species or designated critical habitat. Effects of the action are all consequences to listed species or critical habitat that are caused by the proposed action, including the consequences of other activities that are caused by the proposed action. A consequence is caused by the proposed action if it would not occur but for the proposed action and it is reasonably certain to occur. Effects of the action may occur later in time and may include consequences occurring outside the immediate area involved in the action. (See § 402.17). Under Section 7 of the ESA, if a federal action agency makes a no effect determination, no further consultation with, or concurrence from, the Service is required (ESA §7). If a proposed Federal action may affect a listed species or designated critical habitat, formal consultation is required (except when the Service concurs, in writing, that a proposed action "is not likely to adversely affect" listed species or designated critical habitat [50 CFR §402.02, 50 CFR§402.13]).

The IPaC results indicated the following species is (are) potentially present in your project area and, based on your responses to the Service's Northeast DKey, you determined the proposed Project will have the following effect determinations:

Species	Listing Status	Determination
Karner Blue Butterfly (*Lycaeides melissa samuelis*)	Endangered	No effect

Conclusion If there are no updates on listed species, no further consultation/coordination for this project is required for the species identified above. However, the Service recommends that project proponents re-evaluate the Project in IPaC if: 1) the scope, timing, duration, or location of the Project changes (includes any project changes or amendments); 2) new information reveals the Project may impact (positively or negatively) federally listed species or designated critical habitat; or 3) a new species is listed, or critical habitat designated. If any of the above conditions occurs, additional consultation with the Service should take place before project implements any changes which are final or commits additional resources.

In addition to the species listed above, the following species and/or critical habitats may also occur in your project area and are not covered by this conclusion:

- Monarch Butterfly *Danaus plexippus* Candidate
- Northern Long-eared Bat *Myotis septentrionalis* Endangered

Please Note: If the Action may impact bald or golden eagles, additional coordination with the Service under the Bald and Golden Eagle Protection Act (BGEPA) (54 Stat. 250, as amended, 16 U.S.C. 668a-d) by the prospective permittee may be required. Please contact the Migratory Birds Permit Office, (413) 253-8643, or PermitsR5MB@fws.gov, with any questions regarding potential impacts to Eagles.

If you have any questions regarding this letter or need further assistance, please contact the New York Ecological Services Field Office and reference the Project Code associated with this Project.

Action Description
You provided to IPaC the following name and description for the subject Action.

1. Name

Runway 1 Perimeter Road Relocation

2. Description

The following description was provided for the project 'Runway 1 Perimeter Road Relocation':

> Albany International Airport is proposing to construct a 12 foot wide paved perimeter road within the secure portion of the airfield and parallel to the existing perimeter fence.

Approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@42.736516550000005,-73.80391031923,14z

Qualification Interview

1. As a representative of this project, do you agree that all items submitted represent the complete scope of the project details and you will answer questions truthfully?

   Yes

2. Does the proposed project include, or is it reasonably certain to cause, intentional take of listed species?

   Note: This question could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered, or proposed species.

   No

3. Is the action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

   Yes

4. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) the lead agency for this project?

   No

5. Are you including in this analysis all impacts to federally listed species that may result from the entirety of the project (not just the activities under federal jurisdiction)?

   Note: If there are project activities that will impact listed species that are considered to be outside of the jurisdiction of the federal agency submitting this key, contact your local Ecological Services Field Office to determine whether it is appropriate to use this key. If your Ecological Services Field Office agrees that impacts to listed species that are outside federal jurisdiction will be addressed through a separate process, you can answer yes to this question and continue through the key.

   Yes

6. Are you the lead federal action agency or designated non-federal representative requesting concurrence on behalf of the lead Federal Action Agency?

   Yes

7. Will the proposed project involve the use of herbicide?

   No

8. Are there any caves or anthropogenic features suitable for hibernating or roosting bats within the area expected to be impacted by the project?

   No

9. Does any componentof the project associated with this action include structures that may pose a collision risk to birds or bats (e.g., wind turbines, communication towers, transmission lines, any type of towers with or without guy wires)?
   NoteFor federal actions, answer ‘yes’ if the construction or operation of wind power facilities is either (1) part of the federal action or (2) would not occur but for a federal agency action (federal permit, funding, etc.).

   No
10. Will the proposed project result in permanent changes to water quantity in a stream or temporary changes that would be sufficient to result in impacts to listed species?
    For example, will the proposed project include any activities that would alter stream flow, such as water withdrawal, hydropower energy production, impoundments, intake structures, diversion structures, and/or turbines? Projects that include temporary and limited water reductions that will not displace listed species or appreciably change water availability for listed species (e.g. listed species will experience no changes to feeding, breeding or sheltering) can answer "No". Note: This question refers only to the amount of water present in a stream, other water quality factors, including sedimentation and turbidity, will be addressed in following questions.

    No
11. Will the proposed project affect wetlands?

    This includes, for example, project activities within wetlands, project activities within 300 feet of wetlands that may have impacts on wetlands, water withdrawals and/or discharge of contaminants (even with a NPDES).

    Yes
12. Will the proposed project activities (including upland project activities) occur within 0.5 miles of the water's edge of a stream or tributary of a stream?

    Yes
13. Will the proposed project directly affect a streambed (below ordinary high water mark (OHWM)) of the stream or tributary?

    No
14. Will the proposed project bore underneath (directional bore or horizontal directional drill) a stream?

    No
15. Will the proposed project involve a new point source discharge into a stream or change an existing point source discharge (e.g., outfalls; leachate ponds)?

    No
16. Will the proposed project involve the removal of excess sediment or debris, dredging or in-stream gravel mining?

    No

17. Will the proposed project involve the creation of a new water-borne contaminant source (e.g., leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)?
    Note that sedimentation will be addressed in a separate question.

    No
18. Will the proposed project involve perennial stream loss that would require an individual permit under 404 of the Clean Water Act?

    No
19. Will the proposed project involve blasting?

    No
20. Will the proposed project include activities that could result in an increase to recreational fishing or potentially affect fish movement temporarily or permanently (including fish stocking, harvesting, or creation of barriers to fish passage).

    No
21. Will the proposed project involve earth moving that could cause erosion and sedimentation, and/or contamination along a stream?

    Yes
22. Will the proposed project involve vegetation removal within 200 feet of a perennial stream bank?

    Yes
23. Will erosion and sedimentation control Best Management Practices (BMPs) associated with applicable state and/or Federal permits, or the equivalent to these BMPs, be applied to the project?

    Yes
24. [Semantic] Does the project intersect the Virginia big-eared bat critical habitat?

    Automatically answered
    No
25. [Semantic] Does the project intersect the Indiana bat critical habitat?

    Automatically answered
    No
26. [Hidden Semantic] Does the project intersect the Karner blue butterfly AOI?

    Automatically answered
    Yes

27. Is there potentially suitable habitat for the Karner blue butterfly within the project area or within 220 yards of the project area?

    Note: Potentially suitable habitat for Karner blue butterfly includes areas where their host plant wild blue lupine grows. Karner blue butterfly adults will also feed on other nectar producing flowers that grow near lupine. Lupine requires well-drained, predominately sandy or other well-drained soils. Lupine can be found in open areas, but can also survive for periods of time in more closed-canopy situations, so areas with a closed-canopy should not be discounted. The following areas generally do not support lupine and are not considered suitable habitat for Karner blue butterfly:
    • Active row-cropped agricultural lands;
    • Paved developed areas (buildings, roads, etc.);
    • Other non-sandy or poorly drained soil areas;
    • Areas regularly mowed during the growing season (lawns); and
    • Areas with >50% canopy cover (only if there are no openings, trails, or paths through such areas). Habitat may exist directly adjacent to, or outside the footprint of the above-listed areas, and should be surveyed for lupine, nectar, and the butterflies.

    No

28. [Semantic] Does the project intersect the candy darter critical habitat?

    Automatically answered
    No

29. [Semantic] Does the project intersect the diamond darter critical habitat?

    Automatically answered
    No

30. [Semantic] Does the project intersect the Big Sandy crayfish critical habitat?

    Automatically answered
    No

31. [Hidden Semantic] Does the project intersect the Guyandotte River crayfish critical habitat?

    Automatically answered
    No

32. Do you have any other documents that you want to include with this submission?

    No

Project Questionnaire

1. Approximately how many acres of trees would the proposed project remove?

   0

2. Approximately how many total acres of disturbance are within the disturbance/ construction limits of the proposed project?

   18

3. Briefly describe the habitat within the construction/disturbance limits of the project site.

   The majority of the habitat is managed turf grass. Some wetland areas are located within and adjacent to the project area, and are dominated by non-native invasive Phragmites.

IPaC User Contact Information

Agency: Albany city
Name: Simon Davies
Address: 201 N. Illinois Street
Address Line 2: Suite 800
City: Indianapolis
State: IN
Zip: 46204
Email sdavies@chacompanies.com
Phone: 3176947654

Lead Agency Contact Information

Lead Agency: Federal Aviation Administration

YORK STATE

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Environmental Resource Mapper

Search

Tools

Layers and Legend

- State Regulated Freshwater Wetlands (Outside of the Adirondack Park)
- State Regulated Wetland Checkzone
- Imperiled Mussels
- Mussel Screening Ponded Waters
- Mussel Screening Streams
- Significant Natural Communities
- Natural Communities Near This Location
- Rare Plants or Animals
- Base Flood Elevation Plus 72/75 Inches Sea-level Rise
- Limit to Moderate Wave Action

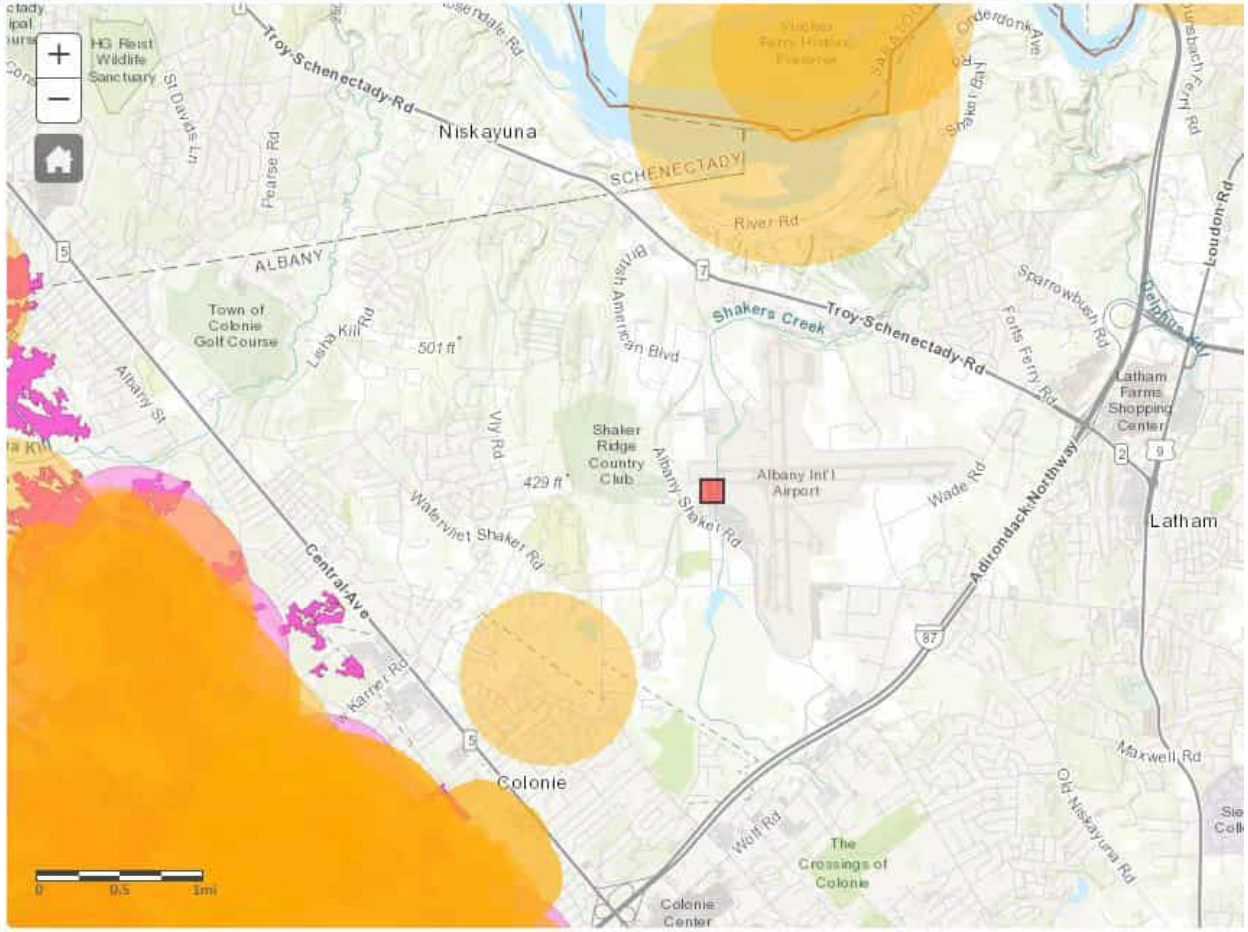
Other Wetland Layers

Reference Layers

Tell Me More...

Need A Permit?

Contacts



Appendix B


DECinfo Locator
Base Map: Satellite with Labels
Help
Search
Tools
DEC Information Layers
Environmental Quality
Outdoor Activity
Permits and Registrations
Environmental Cleanup
Check / Uncheck all
Layer Information
Remediation Parcels
Remediation Sites
Environmental Monitoring
Public Involvement
Environmentally Sensitive Areas
Legal Information
Reference Layers
Mohawk View
Walmart
Heritage Park
Shakers
Remediation Parcel
Remediation Program: State Superfund Program
Site Code: 401027
Site Class: C
Remediation Parcel Database Record: Site Record
Zoom to
42.738, -73.823

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Environmental Site Remediation Database Search Details

Site Record

Document Repository

Site-related documents are available for review through the DECInfo Locator on line at DECInfoLocator

Administrative Information

Site Name: National Semiconductor
Site Code: 401027
Program: State Superfund Program
Classification: C
EPA ID Number:

Location

DEC Region: 4
Address: 3 and 5 Hemlock Street
City: Colonie Zip: 12205
County: Albany
Latitude: 42.73787465
Longitude: -73.79486106
Site Type: STRUCTURE
Estimated Size: 2.78 Acres

Site Owner(s) and Operator(s)

Current Owner Name: 5 Hemlock Street, LLC
Current Owner(s) Address: 3 Hemlock Street
Latham,NY, 12110
Owner(s) during disposal: Xciton, Inc.
Current On-Site Operator: XCITON
Stated Operator(s) Address:
,ZZ

Site Document Repository

Name: William K. Sanford Library
Address: 629 Albany Shaker Road
Loudonville,NY 12211

Hazardous Waste Disposal Period

From: unknown **To:** pre 1982

Site Description

Location: The National Semiconductor (NSC) site is located at 3 and 5 Hemlock Street, which is in a commercial and light industrial area of the Town of Colonie, in close proximity to Albany International Airport. Site Features: The main site features include office and support buildings and paved parking areas. Current Zoning and Land Use: The site is zoned as Airport Business Area. The site and surrounding parcels are currently used for commercial or light industrial activities. Past Use of the Site: Between 1971 and 1983, the site was used for semiconductor manufacturing. Chlorinated solvents, including trichloroethene, were used in the manufacturing processes from 1971 to 1982. A chlorinated solvent drum storage area was used on the north side of the on-site building. Spillage of chlorinated solvents from processes or storage containers resulted in soil and groundwater contamination. Site Geology and Hydrogeology: The site soil types are typically fine sands with some silts. Depth to Water ranges from 3-10 feet below ground surface at the site. The groundwater flows approximately northwesterly across the site.

Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type
TRICHLOROETHYLENE (F001 AND F002)

Site Environmental Assessment

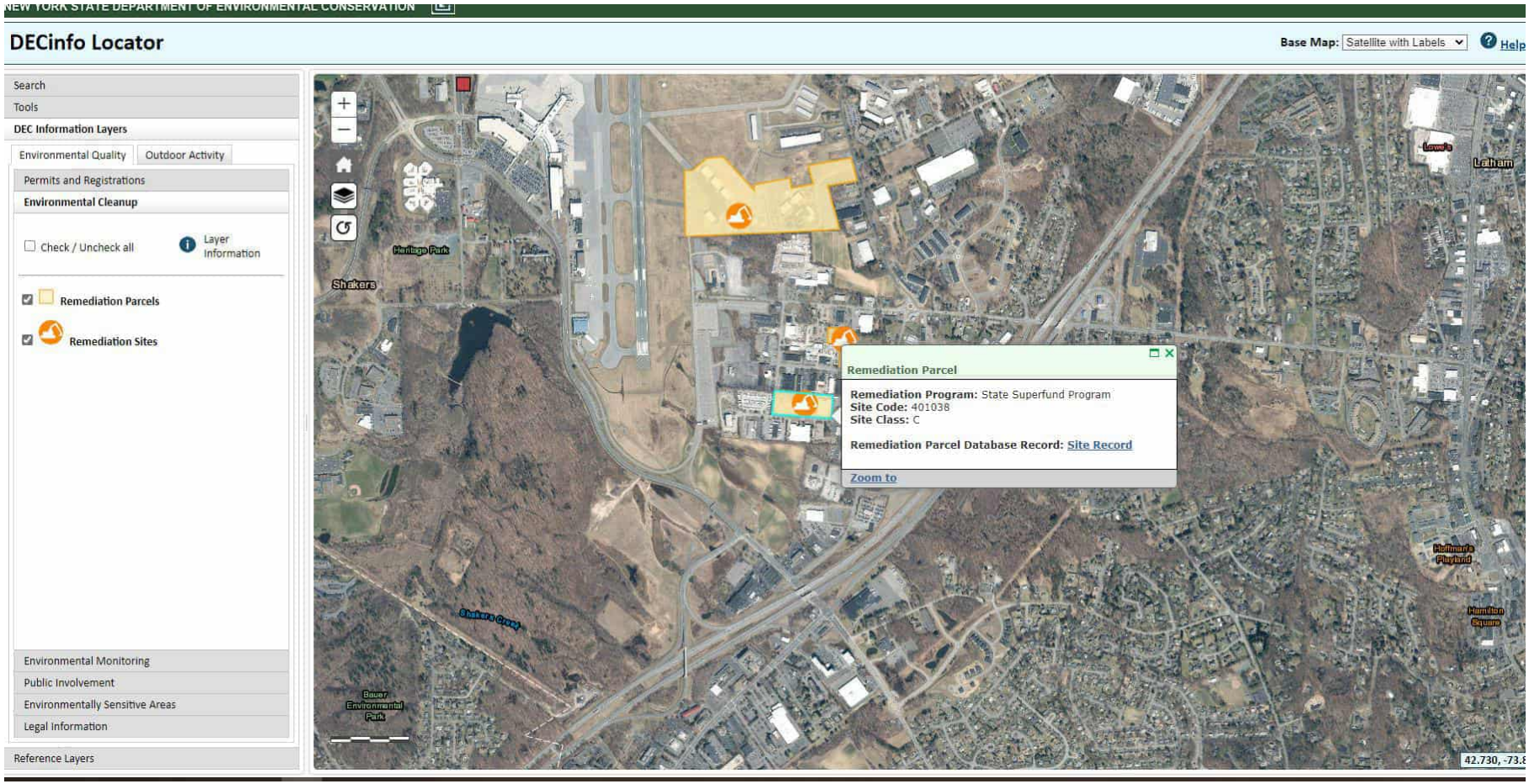
Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were trichloroethene and dichloroethene.

Site Health Assessment

Contaminated groundwater at the site is not used for drinking or other purposes and the site is served by a public water supply that obtains water from a different source not affected by this contamination.

For more Information: E-mail Us

Refine This Search


NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DECinfo Locator
Base Map: Satellite with Labels
Help
Search
Tools
DEC Information Layers
Environmental Quality
Outdoor Activity
Permits and Registrations
Environmental Cleanup
Check / Uncheck all
Layer Information
Remediation Parcels
Remediation Sites
Environmental Monitoring
Public Involvement
Environmentally Sensitive Areas
Legal Information
Reference Layers
Heritage Park
Shakers
Shakers Creek
Bauer Environmental Park
Latham
Hamilton Square
Remediation Parcel
Remediation Program: State Superfund Program
Site Code: 401038
Site Class: C
Remediation Parcel Database Record: Site Record
Zoom to

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Environmental Site Remediation Database Search Details

Site Record

Document Repository

Site-related documents are available for review through the DECInfo Locator on line at DECInfoLocator

Administrative Information

Site Name: Sulzer Turbosystems
Site Code: 401038
Program: State Superfund Program
Classification: C
EPA ID Number:

Location

DEC Region: 4
Address: 7 Northway Lane
City: Latham Zip: 12110
County: Albany
Latitude: 42.73533803
Longitude: -73.79595423
Site Type: STRUCTURE
Estimated Size: 6 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Sulzer Turbosystems, Incorporated
Current Owner(s) Address: 7 NORTHWAY LANE
LATHAM,NY, 12110
Owner(s) during disposal: SULZER TURBOSYSTEMS
Current On-Site Operator: Sulzer Turbosystems
Stated Operator(s) Address: 7 NORTHWAY LANE
LATHAM,NY 12110

Hazardous Waste Disposal Period

From: 1972 **To:** 1988

Site Description

LOCATION: The Sulzer Turbosystems site is located in the town of Latham, NY about 1,000 feet west of the intersection of Northway Lane and Wolf Road. The property is surrounded by industrial or commercial properties on all sides. The nearest road to the north is Hemlock Street and to the south is Terminal Road. About 2,000 feet to the west of the property is the Albany County Airport. SITE FEATURES: The main site features include a large warehouse building of about 4,000 square feet on the east side of the site and vacant land on the rest of the site. Staged on the vacant land is heavy equipment such construction vehicles and also piles of construction material such as piping. In a portion of the vacant land near the warehouse is staging area for new HVAC products. A drainage ditch runs along the north side of the property and appears to flow toward the west. The site covers 5.8 acres of relatively flat land. CURRENT ZONING/USE(S): The site is currently active and is zoned commercial/industrial. The surrounding area is also zoned commercial/industrial. The current owner operates a HVAC wholesale distribution business. HISTORICAL USE(S): From 1977 to 1988, the Site was used to assemble gas turbine generators and gas compressors by various companies. From 1977 to 1984, wastes generated from painting, lubricating, degreasing, and fueling were drummed, but no record of disposal was found. It is believed that solvent release to the environment occured during routine waste management. From 1984 to 1987, degreasing operations were handed by an independent contractor which recycled solvents on a regular basis. Since then, various other companies operated on this property. SITE GEOLOGY AND HYDROGEOLOGY: The geology of the overburden aquifer is glacial outwash deposits which are underlain by a shale formation. The shallow wells were installed to depths of 11.3 to 14.6 feet below ground surface and the depth to water varies across the site from 3 feet to 8 feet below ground surface. The groundwater flows slightly toward the north-northwest both in the shallow and deep (50 feet below ground surface) aquifers. The shale formation is part of the Middle Ordivician Age Canajoharie Shale.

Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type
SOLVENTS (F001, F003, F005)
IGNITABLE WASTES (D001)

Site Environmental Assessment

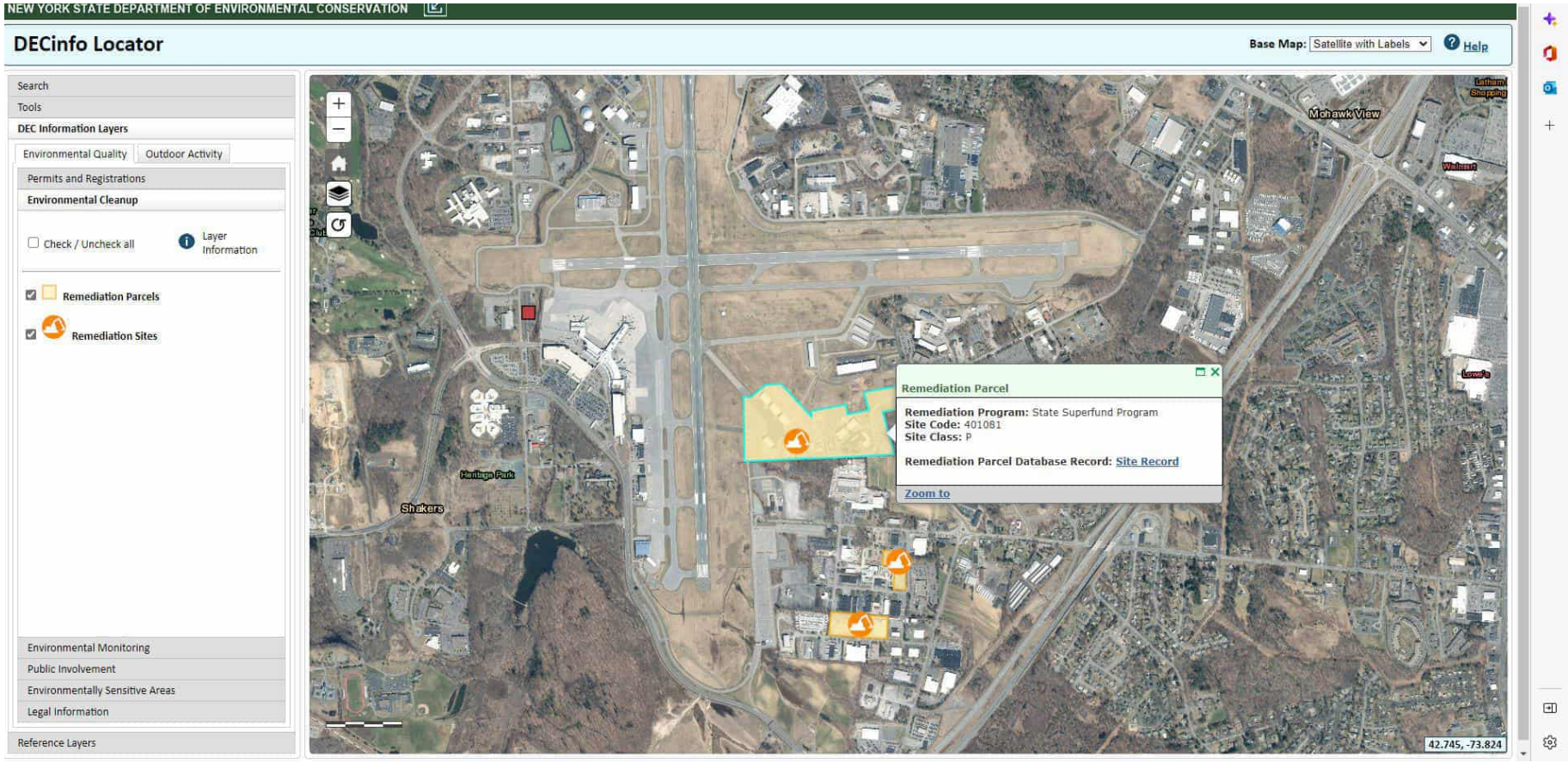
Soil, sediment, and groundwater sampling confirmed the presence of low levels of priority pollutants only in the northern portion of the site, mostly in and near the stormwater drain system. Also, a soil vapor survey on the entire site indicated low levels of volatile solvents in only a few discrete areas in the northern portion of the site. The levels found were not considered a significant threat to human health or the environment. The site was subsequently delisted from the registry of inactive hazardous waste disposal sites.

Site Health Assessment

There is potential for groundwater contamination, however, all area businesses and residences are on public water. Latham public water supply wells in the vicinity of the site are standby wells only. They have not been used for several years and have recently been abandoned and grouted. Site contaminants have been removed, and no surficial contamination remains for direct contact.

For more Information: E-mail Us

Refine This Search


NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DECinfo Locator
Base Map: Satellite with Labels
Help
Search
Tools
DEC Information Layers
Environmental Quality
Outdoor Activity
Permits and Registrations
Environmental Cleanup
Check / Uncheck all
Layer Information
Remediation Parcels
Remediation Sites
Environmental Monitoring
Public Involvement
Environmentally Sensitive Areas
Legal Information
Reference Layers
Remediation Parcel
Remediation Program: State Superfund Program
Site Code: 401081
Site Class: P
Remediation Parcel Database Record: Site Record
Zoom to
Mohawk View
Walmart
Heritage Park
Shakers
42.745, -73.824

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Environmental Site Remediation Database Search Details

Site Record

Document Repository

Site-related documents are available for review through the DECInfo Locator on line at DECInfoLocator

Administrative Information

Site Name: Albany Army Aviation Support Facility #3
Site Code: 401081
Program: State Superfund Program
Classification: P *
EPA ID Number:

Location

DEC Region: 4
Address: 330 Old Niskayuna Road
City: Latham Zip: 12110
County: Albany
Latitude: 42.742369721
Longitude: -73.799282269
Site Type:
Estimated Size: 40 Acres

Site Owner(s) and Operator(s)

Current Owner Name: Albany County Airport Authority
Current Owner(s) Address: Albany International Airport - Admin Bldg Suite 20
Albany,NY, 12211
Current Owner Name: NY Division of military and naval affairs
Current Owner(s) Address: 330 Old niskayuna road
latham,NY, 12110
Current On-Site Operator: NY Division of military and naval affairs
Stated Operator(s) Address: 330 Old niskayuna road
latham,NY 12110

Site Description

Location: The Albany Army Aviation Support Facility #3 site is located at the Albany Airport at 330 Old Niskayuna Road, Latham, NY. Site Features: The site consists of four separate buildings and a

helipad. The buildings and asphalt parking and driveway cover most of the property with grass and two storm water structures covering the remaining areas of the facility. A fence and a guarded security gate limit access to the property. The site is in a primarily mixed use commercial/industrial area. The Albany Airport is located along the western and northern boundaries and a pool manufacturer is located to the south. Current Zoning/Use(s): The site is zoned for military activities focused on training and aircraft maintenance. Historical Use(s): Prior to 1977, the site was undeveloped. Around 1985, a small airplane hangar was constructed, which the New York Army National Guard occupied in 1987. From 1983 to 1992, site operations included a fire truck. Aqueous film forming foam (AFFF) was on the truck and in the hangar. During site operations AFFF was released to the environment at two locations. In 2012, an initial test of the AFFF fire suppression deluge system was performed, which resulted in foam spilling onto the tarmac and into the grass. In May 2017, a garbage truck was on fire in the parking lot of the facility. AFFF was used extinguish the fire.

Contaminants of Concern (Including Materials Disposed)

Contaminant Name/Type

perfluorooctane sulfonic acid

Site Environmental Assessment

As information for this site becomes available, it will be reviewed by the NYSDEC to determine if site contamination presents an environmental concern.

Site Health Assessment

As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.

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* **Class P Sites:** "DEC offers this information with the caution that it should not be used to form conclusions about site contamination beyond what is implied by the classification of this site, namely, that there is a potential for concern about site contamination. Information regarding a Class P site (potential Registry site) is by definition preliminary in nature and unverified because the DEC's investigation of the site is not yet complete. Due to the preliminary nature of this information, significant conclusions or decisions should not be based solely upon this summary."

For more Information: E-mail Us

Refine This Search

Appendix C

ALB Perimeter Road EA
Agency Contact List

FEDERAL

Mr. Dave Kluesner
United States Environmental Protection Agency
Office of Environmental Review, Region 2
290 Broadway
New York, NY 10007-1866
kluesner.dave@epa.gov

Ms. Val Podolec
United States Department of Agriculture
Natural Resource Conservation Service
New York State Office
441 South Salina Street, Suite 354
Syracuse, New York 13202-2450
valerie.podolec@usda.gov

USFWS
New York Ecological Services Field Office
3817 Luker Rd.
Cortland, NY 13045-9385
(607) 753-9334
(607) 753-9699
FW5es_nyfo@fws.gov
(Email is for all requests and inquiries)

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

STATE

New York Department of Environmental
Conservation, Central Office
625 Broadway
Albany, NY 12233
fw.information@dec.ny.gov
DOWinformation@dec.ny.gov

Greg Smith
Director, Historic Sites & Parks Services Bureau
Erin Czernecki, Albany County
New York State Historic Preservation Office
(SHPO)
OPRHP
PO Box 189
Waterford, NY 12188
Erin.Czernecki@parks.ny.gov

LOCAL

Albany County History Collaborative
Samantha Hall-Saladino, Executive Director
9 Ten Broeck Place
Albany, NY 12210
samantha@tenbroeckmansion.org

Contact at direction of FAA

Tribal Historic Preservation Officer
Mohican Nation
Stockbridge-Munsee Band
Dr. Jeff Bendremer
86 Spring Street
Williamstown, MA 01267
thpo@mohican-nsn.gov

Tribal Historic Preservation Officer
Saint Regis Mohawk Tribe
Darren Bonaparte
Ionkwakiohkwaro:ron Tribal Administration Building
71 Margaret Terrance Memorial Way
Akwesasne, New York 13655
darren.bonaparte@srmt-nsn.gov

Tribal Historic Preservation Officer
Delaware Tribe of Indians
Larry Heady
125 Dorry Lane
Grants Pass, OR 97527
lheady@delawaretribe.org

October 7, 2022

New York State Historic Preservation Office (SHPO)
OPRHP
PO Box 189
Waterford, NY 12188

Re: **Runway 1 Airport Service Road Relocation Environmental Assessment**
Albany International Airport (ALB)
Albany, New York

To Whom it may concern:

This early agency coordination letter is being sent to inform you that the Albany County Airport Authority is preparing an Environmental Assessment (EA) for the proposed construction of a 4,000 +/- linear foot single-lane asphalt perimeter road inside the existing security fence on the southern end and eastern side of Runway 01-19 at the Albany International Airport (ALB) (see **Figure 1**). The proposed road will be constructed entirely on airport property. The road will be 12 feet wide with 2-foot paved shoulders on either side. The EA process will analyze alternatives, undertake studies, and disclose the potential for environmental impacts that could be directly (or indirectly) caused by the Proposed Action.

ALB, owned and operated by the Albany County Airport Authority, is in the City of Albany at the junction of Interstate Highways 90 and 87. Currently, airport operations and security personnel are only able to access this area by exiting the secure side of the perimeter fence, utilize public roadways to get around the Runway 1 end and, then reenter the secure area. The proposed perimeter road would allow airport personnel to remain entirely within the secure AOA. As previously mentioned, the Proposed Action will occur entirely on airport property. Previous studies have indicated the likely presence of potentially jurisdictional wetlands within and adjacent to the proposed road alignment. The remainder of the project area consists primarily of maintained grass.

The EA document will be prepared in accordance with FAA Order 1050.1F, *Environmental Impacts: Policies and Procedures* and FAA Order 5050.4B, *National Environmental Policy Act (NEPA) Implementing Instructions for Airport Actions*. As part of our early coordination effort for the referenced project, you are asked to study the enclosed information and provide a written evaluation of the potential impacts upon resources that are under your jurisdiction. You are asked to return a reply within 30-days of receipt of this packet If you would like additional information on this project, please do not hesitate to contact me at (317) 694-7654 or email at sdavies@chacompanies.com. Please send any written comments to the following address:

Simon Davies, ENV SP
Senior Environmental Planner
CHA Consulting, Inc,
201 N. Illinois Street, Suite 800
Indianapolis, IN 46204

We appreciate your interest in the project.

Sincerely,

Simon Davies, ENV SP
Senior Environmental Planner

Cc: Mr. Steve Iachetta, AICP, Albany County Airport Authority

ALBANY
INTERNATIONAL AIRPORT

GRAPHIC SCALE (FEET)

0 150 300 600

LEGEND

- Wetlands (preliminary)
- Proposed Security Road (within wetland area)
- Proposed Security Road (outside wetland area)
- Proposed SIDA Fence
- Existing SIDA Fence
- Existing SIDA Fence Removal
- NAVAID Critical Area
- Culverts
- Study Area Limits

CHA

South Side Service Road

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

Appendix D

Wetland Delineation Report

Albany International Airport
Runway 1 End Perimeter 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

November 8, 2022

V:\Projects\ANY\K6\077565.000\08_Reports\Wetland Delineation\Runway 1 End Perimeter Road and Fence Mods/Runway 1 end 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 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.

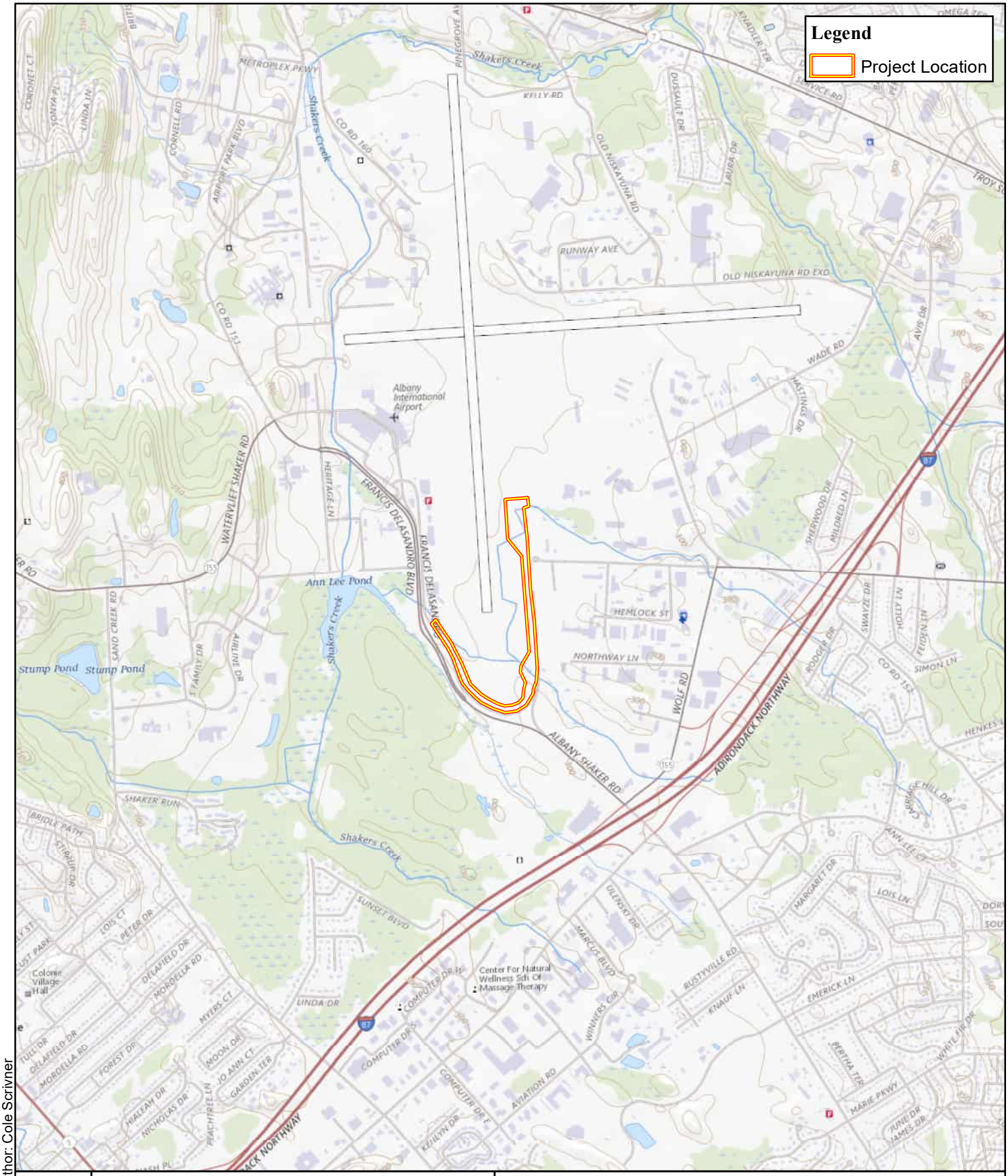
Table 1 – Wetlands

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

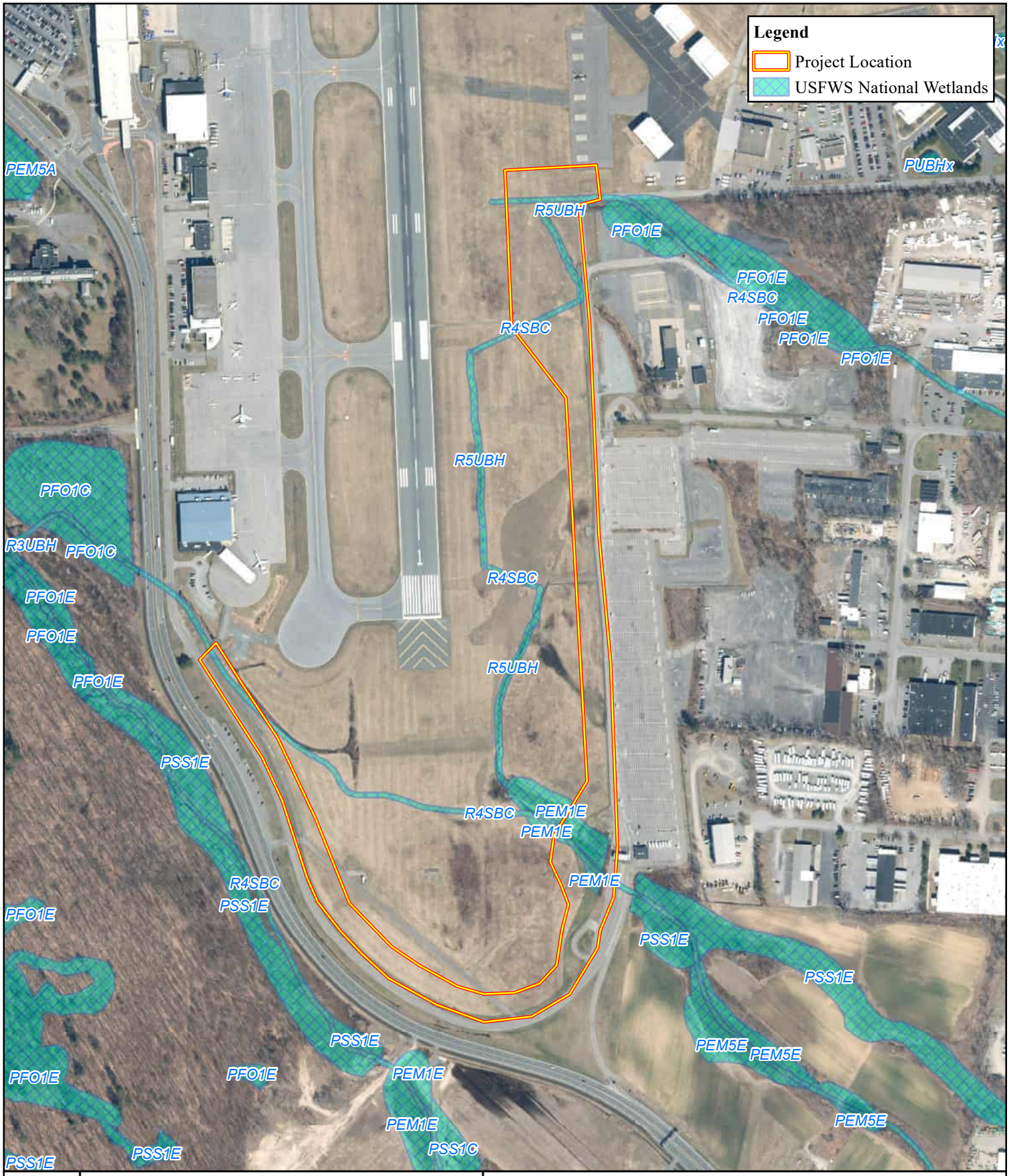
N

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

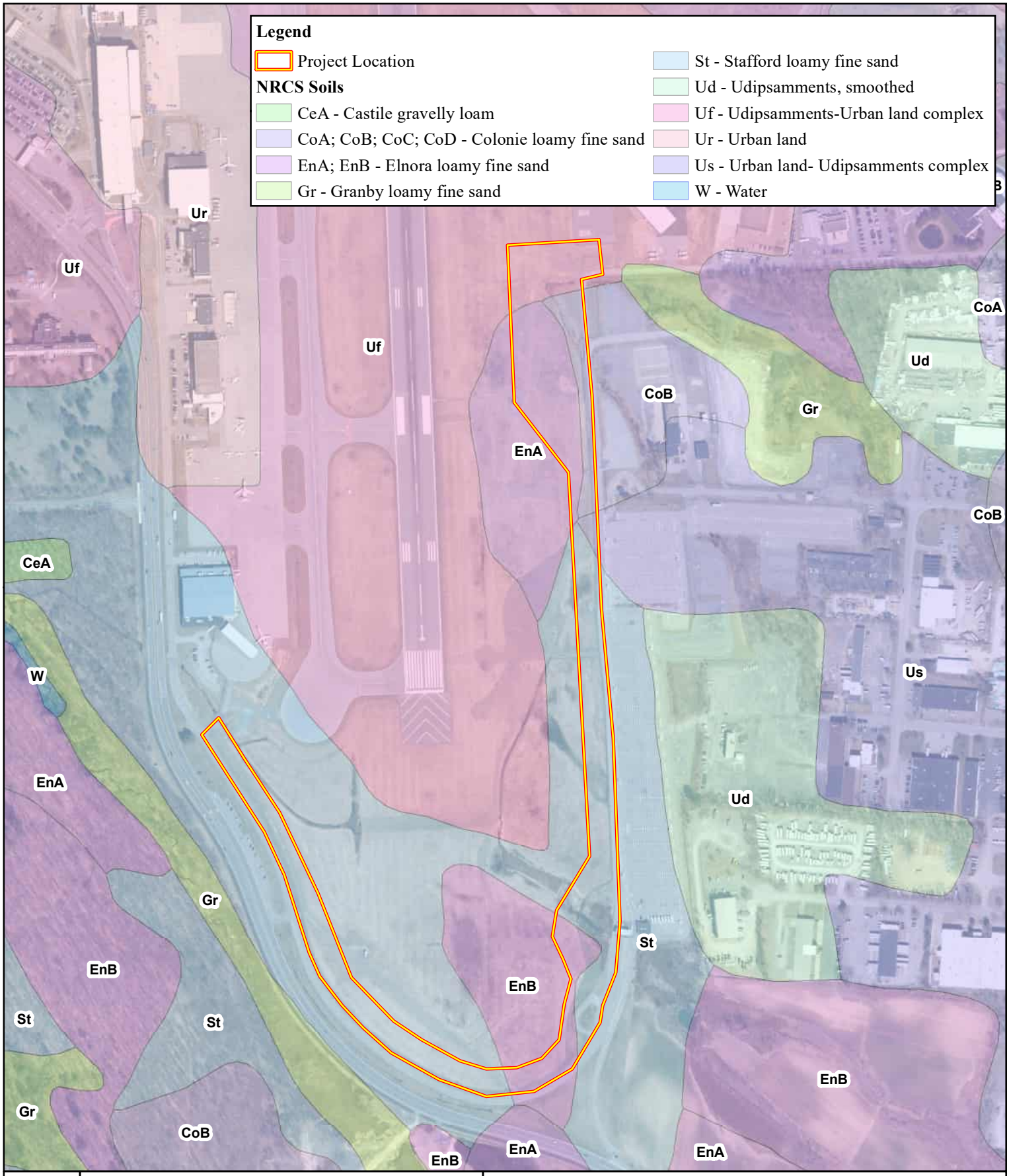
Albany International Airport Runway 1 End
Town of Colonie, Albany County, New York

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

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

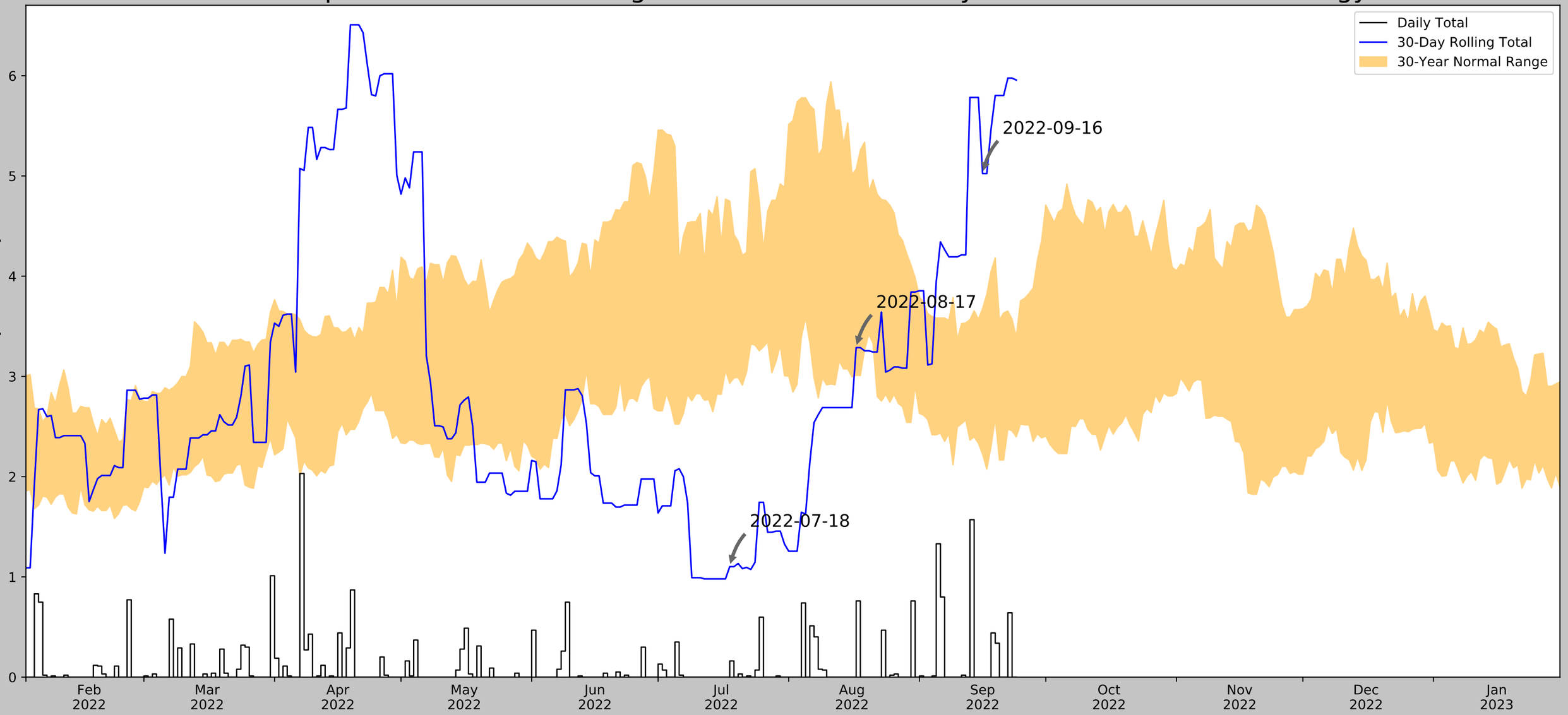
CHA

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			