

5.1 CATEX ITEM SUMMARY (Page A-1)

1. **Airport-** Colonel James Jabara Airport (AAO), Wichita, KS.

2. **Project Title-** Technology Complex, Wichita State University

3. **Summary Brief-** A proposal has been delivered to the WAA to construct a technology complex at Colonel James Jabara Airport, Parcel 18; construction to include two (2) education buildings and a hangar (totaling approximately 120,000 sq. ft.). Additionally, a vehicular drive-lane and a taxiway along the northeastern portion of the site will offer access onto the hangar apron. Proposed foot traffic into the facility will be from the existing NCAT/WSU parking areas, located immediately to the north. This CATEX coincides with documentation which has been previously submitted (Section 163, # AAO-06-2023) to the FAA. This packet of documents includes- Documented CATEX (Appendix A), copies of information request emails (USACE, Kansas Historical Society, Wetlands Mapper, FEMA FIRMette, Sedgwick County Flood Control, Kansas Wildlife and Parks, Federal Fish & Wildlife IPaC) which are located in Appendix B through Appendix E.

4. **Cite From FAA Order 1050.1F-**

APPENDIX A. DOCUMENTED CATEX

Airport sponsors may use this form for projects eligible for a categorical exclusion (CATEX) that have greater potential for extraordinary circumstances or that otherwise require additional documentation, as described in the Environmental Orders (FAA Order 1050.1F and FAA Order 5050.4B).

To request a CATEX determination from the FAA, the sponsor should review potentially affected environmental resources, review the requirements of the applicable special purpose laws, and **consult with the Airports District Office or Regional Airports Division Office staff** about the type of information needed. The form and supporting documentation should be completed in accordance with the provisions of FAA Order 5050.4B, paragraph 302b, and submitted to the appropriate FAA Airports District/Division Office. The CATEX cannot be approved until all information/documentation is received and all requirements have been fulfilled.

Name of Airport, LOC ID, and location:

Colonel James Jabara Airport, AAO, Wichita, KS 67226.

Project Title:

Technology Complex, WSU

Give a brief, but complete description of the proposed project, including all project components, justification, estimated start date, and duration of the project. Include connected actions necessary to implement the proposed project (including but not limited to moving NAVAIDs, change in flight procedures, haul routes, new material or expanded material sources, staging or disposal areas). Attach a sketch or plan of the proposed project. Photos can also be helpful.

The proposal is to construct an education building and hangar/apron on Parcel 18, AAO. A vehicular driveway and aircraft taxiway will link the site to the existing NCAT facility.

Give a brief, but complete, description of the proposed project area. Include any unique or natural features within or surrounding airport property.

Parcel 18 makes up +/- 7 acres, original to the airport prior to WAA assignment. The subject property is comprised of a vacant field.

Identify the appropriate CATEX paragraph(s) from Order 1050.1F (paragraph 5-6.1 through 5-6.6) or 5050.4B (Tables 6-1 and 6-2) that apply to the project. Describe if the project differs in any way from the specific language of the CATEX or examples given as described in the Order. CATEX 5-6.4, Facility Siting, Construction and Maintenance.

The circumstances one must consider when documenting a CATEX are listed below along with each of the impact categories related to the circumstance. Use FAA Environmental Orders 1050.1F,

5050.4B and the Desk Reference for Airports to provide additional information about the resource topics to address site available references to support these conclusions. Additional analysis and impact investigations should be attached or cited as needed. Indicate whether or not there would be any effects under the particular resource topic and, **if needed,**

5-2.b(1) National Historic Preservation Act (NHPA) resources

	YES	NO
Are there historic/cultural resources listed (or eligible for listing) on the National Register of Historic Places located in the Area of Potential Effect? If yes, provide a record of the historic and/or cultural resources located therein and check with your local Airports Division/District Office to determine if a Section 106 finding is required. The Kansas State Historical Society website was accessed with regards to possible Cultural site conditions on this property. (See Appendix C).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the project have the potential to cause effects? If yes, describe the nature and extent of the effects.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the project area undisturbed? If not, provide information on the prior disturbance (including type and depth of disturbance, if available) A check for archaeological significance was performed; findings did not indicate the presence of archaeological conditions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Will the project impact tribal land or land of interest to tribes? If yes, describe the nature and extent of the effects and provide information on the tribe affected. Consultation with their THPO or a tribal representative along with the SHPO may be required.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b(2) Department of Transportation Act Section 4(f) and 6(f) resources

	YES	NO
Are there any properties protected under Section 4(f) (as defined by FAA Order 1050.1F) in or near the project area? This includes publicly owned parks, recreation areas, and wildlife or waterfowl refuges of national, state or local significance or land from a historic site of national, state or local significance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will project construction or operation physically or constructively “use” any Section 4(f) resource? If yes, describe the nature and extent of the use and/or impacts, and why there are no prudent and feasible alternatives. See 5050.4B Desk Reference Chapter 7.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

YES NO

<p>Will the project affect any recreational or park land purchased with Section 6(f) Land and Water Conservation Funds? If so, please explain, if there will be impacts to those properties.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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5-2.b(3) Threatened or Endangered Species

YES NO

<p>Are there any federal or state listed endangered, threatened, or candidate species or designated critical habitat in or near the project area? This includes species protected by individual statute, such as the Bald Eagle.</p> <p>The IPaC website was accessed for ecological information regarding the subject property. Additionally, USDA-Wildlife was contacted (See Appendix D).</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Does the project affect or have the potential to affect, directly or indirectly, any federal or state-listed, threatened, endangered or candidate species, or designated habitat under the Endangered Species Act? If yes, Section 7 consultation between the FAA and the US Fish & Wildlife Service, National Marine Fisheries Service, and/or the appropriate state agency will be necessary. Provide a description of the impacts and how impacts will be avoided, minimized, or mitigated. Provide the Biological Assessment and Biological Opinion, if required.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Does the project have the potential to take birds protected by the Migratory Bird Treaty Act? Describe steps to avoid, minimize, or mitigate impacts (such as timing windows determined in consultation with the US Fish & Wildlife Service). As above, contact was made with USDA-Wildlife who provides management for the WAA.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b (4) Other Resources

Items to consider include:

a. Fish and Wildlife Coordination Act	YES	NO
<p>Does the project area contain resources protected by the Fish and Wildlife Coordination Act? If yes, describe any impacts and steps taken to avoid, minimize, or mitigate impacts.</p> <p>A email inquiry was submitted to the KDW&P, see Appendix D.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Wetlands and Other Waters of the U.S.	YES	NO
<p>Are there any wetlands or other waters of the U.S. in or near the project area? Indications from site visit as well as review of The Wetlands Mapper website indicates the subject property remains outside of depicted wetlands. (Contact was made with the Sedgwick Co. Fld Control Appendix E).</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Has wetland delineation been completed within the proposed project area? If yes, please provide U.S. Army Corps of Engineers (USACE) correspondence and jurisdictional determination. If delineation was not completed, was a field check done to confirm the presence/absence of wetlands or other waters of the U.S.? If no to both, please explain what methods were used to determine the presence/absence of wetlands. The subject property was physically visited by the WAA to access surfical conditions. A wetlands evaluation was performed in 03/2022; possible wetlands conditions were not observed; a JD determination request was submitted to the Tulsa USACE and El Dorado regional office; non-permit required (Appendix E).</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>If wetlands are present, will the project result in impacts, directly or indirectly (including tree clearing)? Describe any steps taken to avoid, minimize or mitigate the impact.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Is a USACE Clean Water Act Section 404 permit required? If yes, does the project fall within the parameters of a general permit? If so, which general permit?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Floodplains	YES	NO
<p>Will the project be located in, encroach upon or otherwise impact a floodplain? If yes, describe impacts and any agency coordination or public review completed including coordination with the local floodplain administrator. Attach the FEMA map if applicable and any documentation. Sedgwick County Flood Control was contacted; based upon FEMA depiction; a public notice has been posted for comment.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

d. Coastal Resources	YES	NO
Will the project occur in or impact a coastal zone as defined by the State’s Coastal Zone Management Plan? If yes, discuss the project’s consistency with the State’s CZMP. Attach the consistency determination if applicable.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project occur in or impact the Coastal Barrier Resource System as defined by the US Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. National Marine Sanctuaries	YES	NO
Is a National Marine Sanctuary located in the project area? If yes, discuss the potential for the project to impact that resource.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. Wilderness Areas	YES	NO
Is a Wilderness Area located in the project area? If yes, discuss the potential for the project to impact that resource.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g. Farmland	YES	NO
Is there prime, unique, state, or locally important farmland in/near the project area? Describe any significant impacts from the project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the project include the acquisition and conversion of farmland? If farmland will be converted, describe coordination with the US Natural Resources Conservation and attach the completed Form AD-1006.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

h. Energy Supply and Natural Resources	YES	NO
Will the project change energy requirements or use consumable natural resources either during construction or during operations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project change aircraft/vehicle traffic patterns that could alter fuel usage either during construction or operations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Wild and Scenic Rivers	YES	NO
Is there a river on the Nationwide Rivers Inventory, a designated river in the National System, or river under State jurisdiction (including study or eligible segments) near the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project directly or indirectly affect the river or an area within ¼ mile of its ordinary high water mark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j. Solid Waste Management	YES	NO
Does the project (either the construction activity or the completed, operational facility) have the potential to generate significant levels of solid waste? If so, discuss how these will be managed. Solid and/or hazardous waste generation during construction as regulated by local, State and Federal regulations.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b(5) Disruption of an Established Community

	YES	NO
Will the project disrupt a community, planned development or be inconsistent with plans or goals of the community?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are residents or businesses being relocated as part of the project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b(6) Environmental Justice

	YES	NO
Are there minority and/or low-income populations in/near the project area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project cause any disproportionately high and adverse impacts to minority and/or low-income populations? Attach census data if warranted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b(7) Surface Transportation

	YES	NO
Will the project cause a significant increase in surface traffic congestion or cause a degradation of level of service provided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project require a permanent road relocation or closure? If yes, describe the nature and extent of the relocation or closure and indicate if coordination with the agency responsible for the road and emergency services has occurred.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b(8) Noise

	YES	NO
Will the project result in an increase in aircraft operations, nighttime operations, or change aircraft fleet mix?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project cause a change in airfield configuration, runway use, or flight patterns either during construction or after the project is implemented?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the forecast exceed 90,000 annual propeller operations, 700 annual jet operations or 10 daily helicopter operations or a combination of the above? If yes, a noise analysis may be required if the project would result in a change in operations.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	YES	NO
Has a noise analysis been conducted, including but not limited to generated noise contours, a specific point analysis, area equivalent method analysis, or other screening method. If yes, provide that documentation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Could the project have a significant impact (DNL 1.5 dB or greater increase) on noise levels over noise sensitive areas within the 65+ DNL noise contour?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b(9) Air Quality

	YES	NO
Is the project located in a Clean Air Act non-attainment or maintenance area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If yes, is it listed as exempt, presumed to conform or will emissions (including construction emissions) from the project be below <i>de minimis</i> levels (provide the paragraph citation for the exemption or presumed to conform list below, if applicable) Is the project accounted for in the State Implementation Plan or specifically exempted? Attach documentation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Does the project have the potential to increase landside or airside capacity, including an increase of surface vehicles?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Could the project impact air quality or violate local, State, Tribal or Federal air quality standards under the Clean Air Act Amendments of 1990 either during construction or operations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b (10) Water Quality

	YES	NO
Are there water resources within or near the project area? These include groundwater, surface water (lakes, rivers, etc.), sole source aquifers, and public water supply. If yes, provide a description of the resource, including the location (distance from project site, etc.). A stormwater canal borders the eastern portion of the property.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Will the project impact any of the identified water resources either during construction or operations? Describe any steps that will be taken to protect water resources during and after construction. The WAA will mandate SW3P-NOI protocol BMPS during all phases of construction.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project increase the amount or rate of stormwater runoff either during construction or during operations? Describe any steps that will be taken to ensure it will not impact water quality. Notice of Intent (NOI) permitting will be required by the WAA during site construction to avoid water quality issues; inspections required.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Does the project have the potential to violate federal, state, tribal or local water quality standards established under the Clean Water and Safe Drinking Water Acts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are any water quality related permits required? If yes, list the appropriate permits.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b(11) Highly Controversial on Environmental Grounds

	YES	NO
Is the project highly controversial? The term “highly controversial” means a substantial dispute exists as to the size, nature, or effect of a proposed federal action. The effects of an action are considered highly controversial when reasonable disagreement exists over the project’s risks of causing environmental harm. Mere opposition to a project is not sufficient to be considered highly controversial on environmental grounds. Opposition on environmental grounds by a federal, state, or local government agency or by a tribe or a substantial number of the persons affected by the action should be considered in determining whether or not reasonable disagreement exists regarding the effects of a proposed action.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2.b(12) Inconsistent with Federal, State, Tribal or Local Law

	YES	NO
Will the project be inconsistent with plans, goals, policy, zoning, or local controls that have been adopted for the area in which the airport is located?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the project incompatible with surrounding land uses?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2 .b (13) Light Emissions, Visual Effects, and Hazardous Materials

a. Light Emissions and Visual Effects	YES	NO
Will the proposed project produce light emission impacts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will there be visual or aesthetic impacts as a result of the proposed project and/or have there been concerns expressed about visual/aesthetic impacts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Hazardous Materials	YES	NO
Does the project involve or affect hazardous materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will construction take place in an area that contains or previously contained hazardous materials?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If the project involves land acquisition, is there a potential for this land to contain hazardous materials or contaminants?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the proposed project produce hazardous and/or solid waste either during construction or after? If yes, how will the additional waste be handled?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

5-2 .b (14) Public Involvement

YES NO

Was there any public notification or involvement? If yes, provide documentation. Public Notification regarding FEMA floodplain criteria posted in local newspaper.	<input checked="" type="checkbox"/>	
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5-2 .b (15) Indirect/Secondary/Induced Impacts

YES NO

Will the project result in indirect/secondary/induced impacts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
When considered with other past, present, and reasonably foreseeable future projects, on or off airport property and regardless of funding source, would the proposed project result in a significant cumulative impact?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Permits

List any permits required for the proposed project that have not been previously discussed. Provide details on the status of permits.

Notice of Intent permitting (NPDES construction activity) will be required by the WAA; to include inspections of preventative measures (BMPS). City of Wichita permitting and code enforcement will be required for the new construction.

Environmental Commitments

List all measures and commitments made to avoid, minimize, mitigate, and compensate for impacts on the environment, which are needed for this project to qualify for a CATEX.

Preparer Information

Point of Contact: Rick Stone, Environmental Services Manager, WAA		
Address: 2173 Air Cargo Road		
City: Wichita	State: KS	Zip Code: 67209
Phone: 316-946-4728	Email Address: rstone@wichita.gov	

Signature: 

Date: 09/28/2023

Airport Sponsor Information and Certification (may not be delegated to consultant)

Provide contact information for the designated sponsor point of contact and any other individuals requiring notification of the FAA decision.

Point of Contact: John Oswald, P.E. Airport Engineer		
Address: As above		
City: As above	State: as above	Zip Code: As above
Phone Number: 316-946-4705	Email Address: joswald@wichita.gov	
Additional Name(s): N/A	Additional Email Address(es): N/A	

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) has occurred.

Signature: 

Date: 9-28-23

FAA Decision

Having reviewed the above information, it is the FAA’s decision that the proposed project (s) or development warrants environmental processing as indicated below.

Name of Airport, LOC ID, and location:

Project Title:

- No further NEPA review required. Project is categorically excluded per (cite applicable 1050.1.F CATEX that applies:)
- ..An Environmental Assessment (EA) is required.
- ..An Environmental Impact Statement (EIS) is required.
- ..The following additional documentation is necessary for FAA to perform a complete environmental evaluation of the proposed project.

Name:

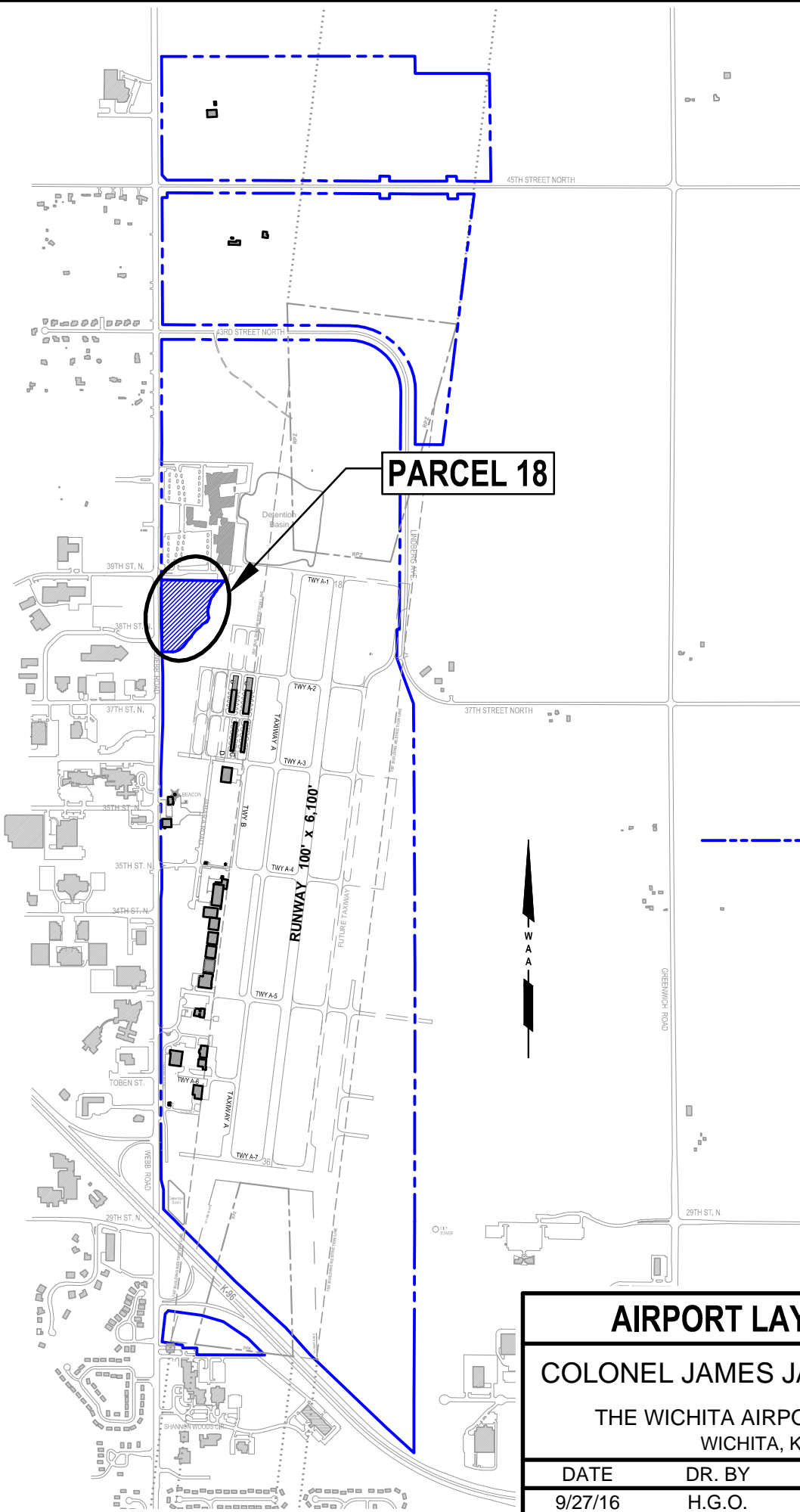
Title:

Responsible FAA Official

Signature: _____

Date:

APPENDIX B
SITE REFERENCE

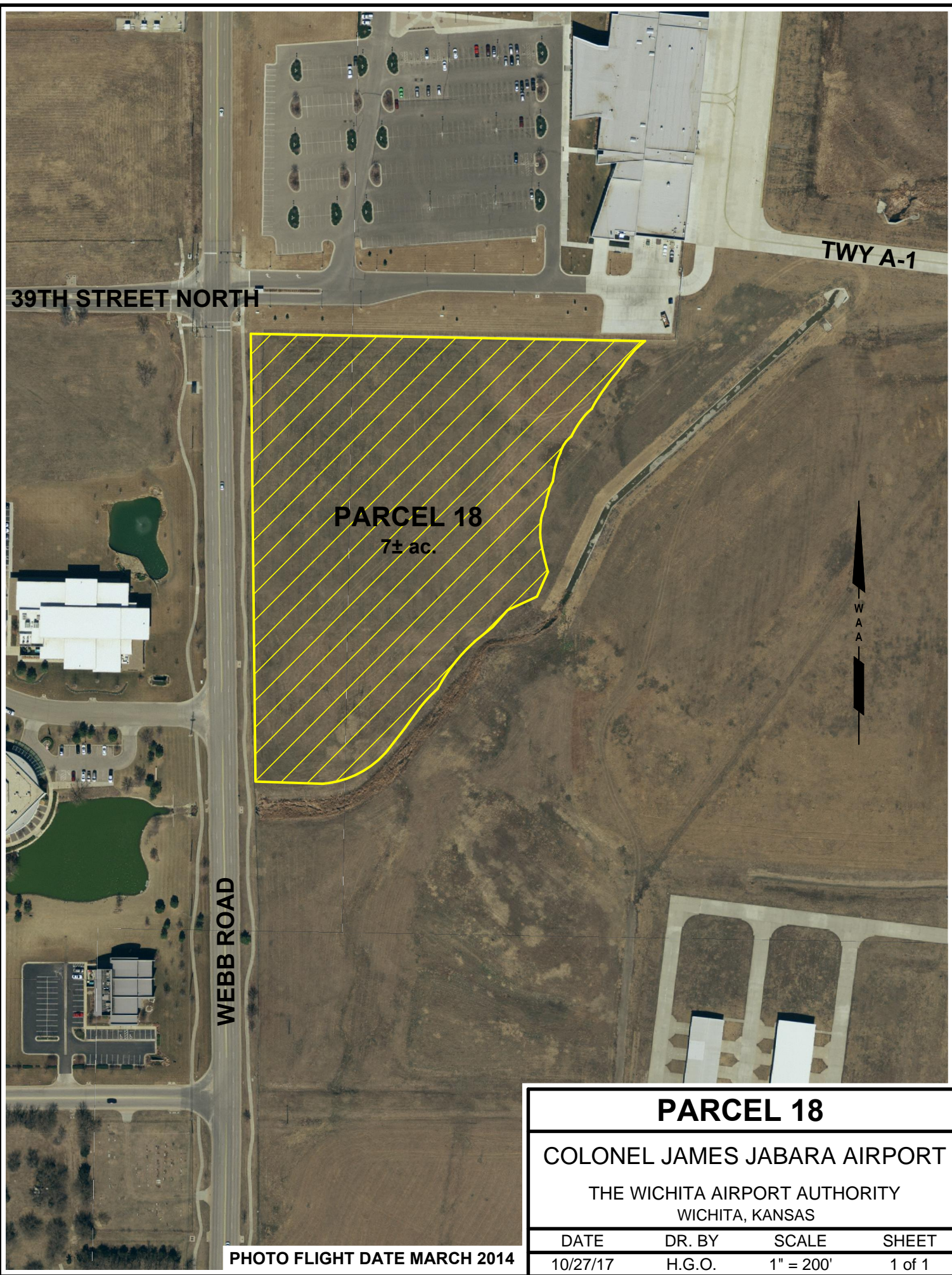


PARCEL 18

LEGEND

--- PROPERTY LINE

AIRPORT LAYOUT MAP			
COLONEL JAMES JABARA AIRPORT			
THE WICHITA AIRPORT AUTHORITY			
WICHITA, KANSAS			
DATE	DR. BY	SCALE	SHEET
9/27/16	H.G.O.	1" = 1500'	1 of 1

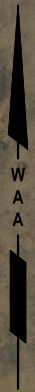


39TH STREET NORTH

TWY A-1

PARCEL 18
7± ac.

WEBB ROAD

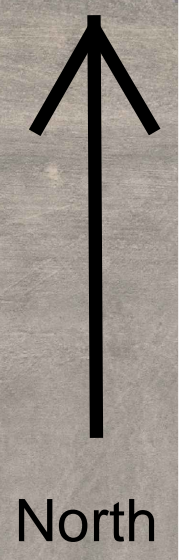


PARCEL 18			
COLONEL JAMES JABARA AIRPORT			
THE WICHITA AIRPORT AUTHORITY			
WICHITA, KANSAS			
DATE	DR. BY	SCALE	SHEET
10/27/17	H.G.O.	1" = 200'	1 of 1

PHOTO FLIGHT DATE MARCH 2014

WSU Tech

Taxiway A-1



BUILDING

BUILDING

PROPOSED HANGAR

APRON

TAXIWAY

PROPOSED HANGAR - JABARA



APPENDIX C

KANSAS STATE HISTORICAL SOCIETY CULTURAL REQUEST

The Kansas Review & Compliance submission system has been developed as a tool to aid our customers in the submission of projects that require review pursuant to specific provisions of state and federal preservation law. The system allows individuals to submit new projects to the Kansas SHPO and to monitor the review status of existing projects they have previously submitted.

Welcome Back!

Email

rlstone@wichita.gov

Password

.....

Remember me?

Log in

[Forgot your password? \(/Account/ForgotPassword\)](/Account/ForgotPassword)

[New to KSHS Portal?](#)

[Create an Account \(/Account/Register\)](/Account/Register)

To further expedite consultation, all comments by SHPO will be issued electronically. Please contact the Kansas State Historic Preservation Office of the Kansas Historical Society with any questions at 785-272-8681 x240 or kshs.shpo@ks.gov.

Stone, Richard L

From: noreply@workflownotification.com
Sent: Friday, June 30, 2023 8:58 AM
To: Stone, Richard L
Subject: [KSR&C] Project submission successful for 23-06-421 - Parcel 18 AAO

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you for submitting a request for project review. Your submission will be reviewed in the order it was received. Please note that state and federal laws provide SHPO staff 30 days for review and comment.

You may track the progress of your request by logging in at <http://review.kshs.org/>.

Use of this automated system is intended to facilitate review and consultation under state and federal preservation laws, and may contain information that is confidential, privileged or otherwise protected from disclosure under applicable laws.

Project Status

Project Status

Complete

Project Info

Project Name

Parcel 18 AAO

Description

Development on 7 acres, Colonel James Jabara Airport, Wichita KS. FAA CATEX determination on-going.

Project Type

New Construction

Project

23-06-421

Messages

Viewed	23-06-421 - Parcel 18 AAO - The SHPO requests that relevant documentation and (/Portal/Message/18060)	63 days
Viewed	23-06-421 - Parcel 18 AAO - A new document is available (/Portal/Message/18875)	14 days

Project Documents

Title	Date
Concept site plan.pdf (/Portal/GetFile/67858)	9/18/2023 2:00:47 PM
AAO Parcel 18 KSHS A.pdf (/Portal/GetFile/67859)	9/18/2023 2:00:57 PM

PROJECT DOCUMENTS

Date

2023-09-18T14:22:44Z

Subject

23-06-421 - Parcel 18 AAO



Body

A new document is available

Finished

APPENDIX D
KANSAS DEPARTMENT OF WILDLIFE & PARKS REQUEST-
FEDERAL FISH & WILDLIFE IPaC REVIEW

Stone, Richard L

From: Cordes, Zackary [KDWP] <Zackary.Cordes@KS.GOV>
Sent: Wednesday, July 19, 2023 12:01 PM
To: Stone, Richard L
Subject: KDWP Review 20060552-7: Parcel 18, Colonel James Jabara Airport (Sedgwick)

Rick Stone,

We have reviewed the information for the proposed WSU technical complex at Jabara Airport in Sedgwick County, Kansas (Sec. 28-T26S-R02E). The project was reviewed for potential impacts to critical wildlife habitats, current state-listed threatened or endangered species and species in need of conservation, as well as Kansas Department of Wildlife and Parks managed areas for which this agency has administrative authority.

We have no objections to the project and provide the following comments and general recommendations. When applicable:

- **Avoid impacts to existing streams and rivers, adjacent riparian zones, wetlands, and native prairie and woodland areas.**
- **Minimize all bank or instream activity, particularly during general fish spawning season (March 1 – Aug. 31).**
- **Incorporate principles of low impact development (LID), such as permeable asphalt pavement, porous concrete, swales, bioretention, or raingardens. More info on LID: <https://www.epa.gov/nps/urban-runoff-low-impact-development>.**
- **Implement and maintain standard erosion control Best Management Practices during all aspects of construction by installing sediment barriers (wattles, filter logs, rock check ditches, mulching, or any combination of these) across the entire construction area to prevent sediment and spoil from entering aquatic systems. Barriers should be maintained at high functioning capacity until construction is completed and vegetation is established. For more information on erosion BMPs go to: <http://www.kdheks.gov/stormwater/#construct>.**
- **Reseed disturbed areas with native warm-season grasses, forbs, and trees.**

Results of our review indicate there will be no significant impacts to critical wildlife habitats; therefore, no special mitigation measures are recommended. The project will not impact any public recreational areas, nor could we document any potential impacts to currently-listed threatened or endangered species or species in need of conservation. No Department of Wildlife and Parks permits or special authorizations will be needed if construction is started within one year, and no design changes are made in the project plans. Permits may still be required from other agencies. We recommend consultation with all other applicable regulatory authorities which, among others, may include Kansas Department of Health and Environment, Kansas Department of Agriculture-Division of Water Resources, and the U.S. Army Corps of Engineers.

Since the Department's recreational land obligations and the State's species listings periodically change, if construction has not started within one year of this date, or if design changes are made in the project plans, the project sponsor must contact this office to verify continued applicability of this assessment report. For our purposes, we consider construction started when advertisements for bids are distributed.

Please consider this email our official review for this project. Thank you for the opportunity to provide these comments and recommendations. Please let me know if you have any questions or concerns about the preceding information.

Please direct all review materials electronically to kdwpt.ess@ks.gov to streamline the review process for all parties.

Thank you.

Zack Cordes | *Ecologist*

Kansas Department of Wildlife and Parks

512 SE 25th Ave. | Pratt, KS 67124

T: (620) 672-0822 | ksoutdoors.com

C: (785) 410-9652 | chickadeecheckoff.com

NOT FOR CONSULTATION

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Sedgwick County, Kansas



Local office

Kansas Ecological Services Field Office

☎ (785) 539-3474

📠 (785) 539-8567

2609 Anderson Avenue

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

2. [NOAA Fisheries](https://www.noaa.gov/), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Tricolored Bat <i>Perimyotis subflavus</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

Fishes

NAME	STATUS
Peppered Chub <i>Macrhybopsis tetranema</i> Wherever found There is final critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/532	Endangered

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and golden eagles are protected under the [Bald and Golden Eagle Protection Act](#) and the [Migratory Bird Treaty Act](#).

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats, should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

There are bald and/or golden eagles in your project area.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON

Bald Eagle *Haliaeetus leucocephalus*

Breeds Oct 15 to Jul 31

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

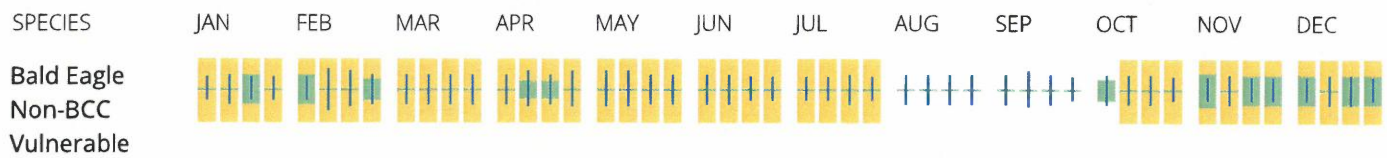
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply). To see a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the [Eagle Act](#) should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\)](#) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
<p>American Golden-plover <i>Pluvialis dominica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds elsewhere
<p>Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.</p>	Breeds Oct 15 to Jul 31
<p>Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Mar 15 to Aug 25

Hudsonian Godwit *Limosa haemastica*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds elsewhere

Lesser Yellowlegs *Tringa flavipes*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9679>

Breeds elsewhere

Red-headed Woodpecker *Melanerpes erythrocephalus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 10 to Sep 10

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the [RAIL Tool](#) and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn

more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

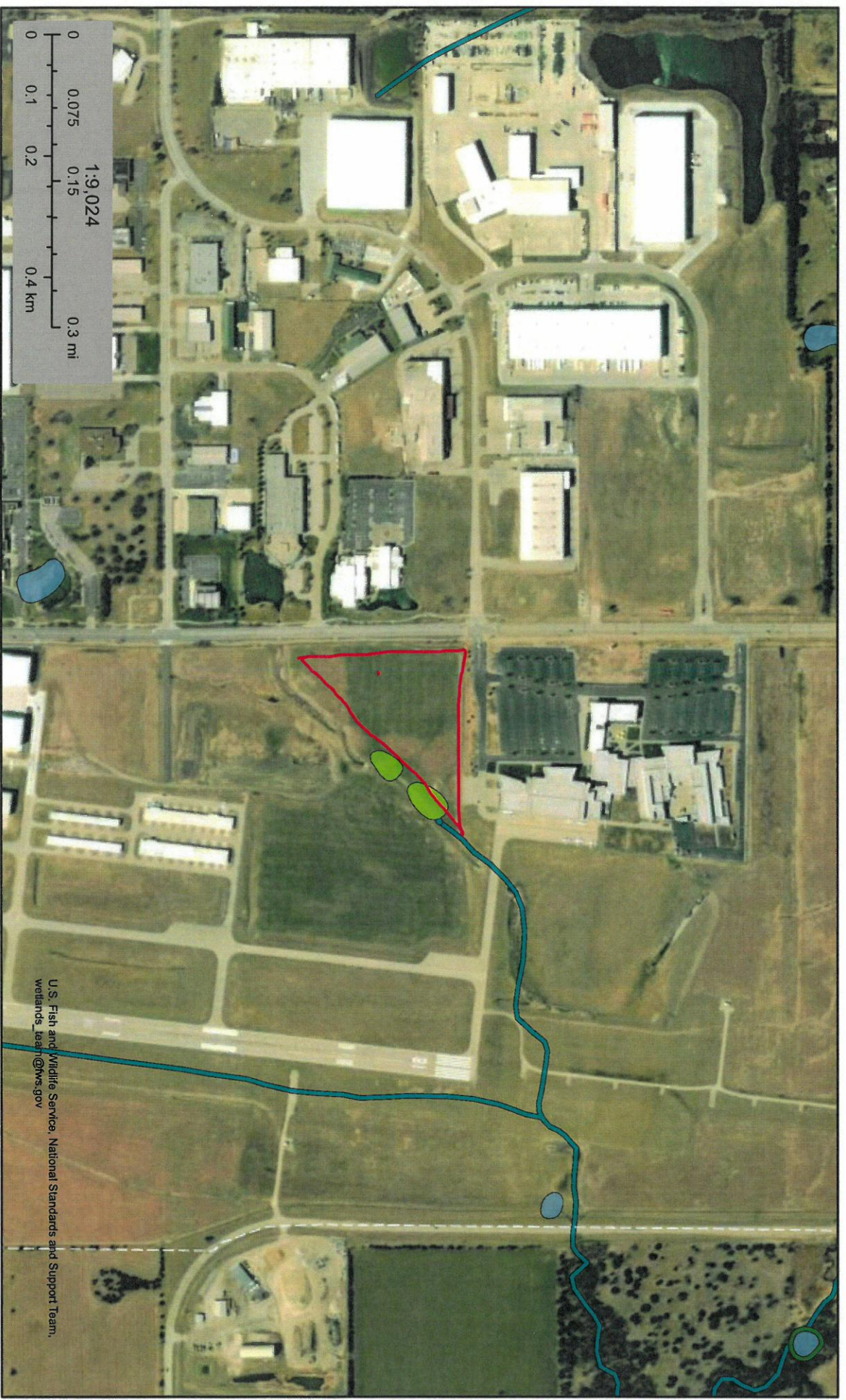
Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

APPENDIX E
WETLANDS MAPPER / WETLANDS-
FLOODPLAIN REPORT, GSI 03-2022/USACE
REQUEST / FEMA FIRMette



Wetlands



July 3, 2023

Wetlands_Alaska

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Freshwater Pond
- Lake
- Other
- Riverine

U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_lead@fws.gov

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

reasonably available alternative drinking water sources should the aquifer become contaminated. According to the EPAs interactive map of Sole Source Aquifers in the United States, there are no identified SSAs in the state of Kansas.

6.9 Floodplains

The FEMA Flood Map Service Center is the official online location to find all flood hazard mapping products created under the National Flood Insurance Program (NFIP). The NFIP enables property owners to purchase flood insurance. In return, communities agree to adopt and implement local floodplain management regulations that contribute to protecting lives and reducing the risk of new construction and substantial improvements from future flooding. The NFIP Community Status Book contains the current “NFIP status” of a community in the declared counties. According to the NFIP status, the city of Wichita participates in the NFIP.

The FEMA Flood Map Service Center was accessed to determine whether the proposed project area is located within a 100 (1%) or 500 (0.2%) year floodplain. Portions (northeastern corner) of the proposed project, and areas adjacently east of the project area are designated as Zone AE, Special Flood Hazard (**Appendix A-Figure 4**). Zone AE, Special Flood Hazard are designated areas with a 1% or greater annual chance of flooding (100-year floodplain). The remaining areas of the proposed project are designated as Zone X. Zone X are areas determined to be outside the 500-year flood zone and protected by levee from 100 year-flood.

6.10 Wetlands

Section 404 of the Clean Water Act establishes a program to regulate the discharge of dredged or fill material into waters of the United States, including wetlands. Section 404 requires a permit from the US Army Corps of Engineers (USACE) before dredged or fill material may be discharged into waters of the United States unless the activity is exempt from Section 404 regulation. As per the USACE, wetlands are defined as “those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do not support, a prevalence of vegetation typically adapted for life in saturated soil conditions”. Wetlands generally include swamps, marshes, bogs, fens, and similar areas of temporary or permanent inundation.

The USFWS National Wetlands Inventory of surface waters and wetlands was surveyed for the presence of wetlands within and adjacent to the project location. According to the National

Wetlands Inventory, there is a freshwater emergent wetland near the project location. A copy of the USFWS National Wetlands Inventory map is provided in **Appendix C**.

Due to the proximity of freshwater emergent wetland identified by the USFWS National Wetlands Inventory map, a Preliminary Jurisdictional Wetland Identification and Delineation field study was conducted by GSI to confirm the desktop analysis. Based on the Preliminary Jurisdictional Wetland Identification and Delineation Report, the vegetation, soils, and hydrology of the site do not meet wetland criteria. For a copy of the Preliminary Jurisdictional Wetland Identification and Delineation Report, see **Appendix D**. This report has been submitted to the Army Corps of Engineers for determination.

6.11 Threatened and Endangered Species

Section 7 of the Endangered Species Act (ESA) requires all Federal agencies to review the actions they authorize, fund, or carry out to determine whether they may affect threatened or endangered or threatened species, including potential to destroy or adversely modify their critical habitat. To accomplish this, Federal agencies must determine whether any listed species may be present in the action area and whether that area overlaps with critical habitat.

The U.S. Fish and Wildlife Service (USFWS) and IPaC databases were assessed for threatened and endangered species in Sedgwick County, Kansas. Additionally, an official species list was requested from IPaC and the local USFWS field office that assists in the evaluation of potential impacts of the proposed project. It includes a list of species that should be considered under Section 7 of the Endangered Species Act, a project tracking number, and other pertinent information from the field office (**Appendix E**). The USFWS and IPaC lists a total of three threatened or endangered species (including candidate species) that are believed to or known to exist in the Sedgwick County, Kansas. However, according to the USFWS and IPaC, there are no critical habitats at this location for any of the three (3) listed species. The information below summarizes the three (3) listed species, their status, and critical habitats.

Mammals

Northern Long-Eared Bat (*Myotis septentrionalis*)

Species status: Threatened.

The Northern Long-Eared bat is a medium-sized bat about 3 to 3.7 inches in size with a wingspan of 9 to 10 inches. The bat can be identified by its long ears, particularly when compared to other bats. It can be found across much of the eastern and north central

Stone, Richard L

From: Dearmont, Don
Sent: Wednesday, September 27, 2023 4:47 PM
To: Stone, Richard L
Subject: FW: (EXTERNAL)Floodplain near WSU Tech campus - Jabara Airport

FYI

From: Coltrane, Caleb, R <CRColtrane@GarverUSA.com>
Sent: Wednesday, September 27, 2023 10:08 AM
To: Dixon, Kelly <Kelly.Dixon@sedgwick.gov>
Cc: Oswald, John <joswald@wichita.gov>; Dearmont, Don <DDearmont@wichita.gov>; Lindebak, Scott C. <Scott.Lindebak@sedgwick.gov>; Stone, Richard L <RLStone@wichita.gov>; Dennis, Alan C. <ACDennis@GarverUSA.com>
Subject: RE: (EXTERNAL)Floodplain near WSU Tech campus - Jabara Airport

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Kelly,

Thanks for taking my call last week about this new development project at the Jabara airport. As we discussed:

- No buildings will be located within the floodplain area.
- The proposed development in the existing floodplain will be taxiway pavement and embankment.
- We will run a hydraulic model with HEC-RAS to confirm that the proposed development won't raise the Base Flood Elevation.
- We may or may not submit a LOMR to get the FEMA map revised at the end of the project. That decision will be made later during design or construction.

Have a great week!

Caleb Coltrane, PE
Garver
316-221-3022

From: Lindebak, Scott C. <Scott.Lindebak@sedgwick.gov>
Sent: Thursday, September 21, 2023 2:31 PM
To: Coltrane, Caleb, R <CRColtrane@GarverUSA.com>; Dixon, Kelly <Kelly.Dixon@sedgwick.gov>
Cc: Oswald, John <joswald@wichita.gov>; Don Dearmont <DDearmont@wichita.gov>
Subject: RE: (EXTERNAL)Floodplain near WSU Tech campus - Jabara Airport

Hello Caleb,

The FEMA floodplain maps for this area were established using LiDAR from 2008, therefore the airport improvements were not likely incorporated into the modelling. The section of channel you are interested in in Dry Creek East Trib 1 and it was a Limited Detailed Study (LDS). Attached is the HEC-RAS modeling. I would suggest submitting a FEMA LOMR to update the mapping if it is a concern. The 2018 LiDAR, flown by the KDA could be used for updated topographic information.

Please let me know if you have any additional questions.

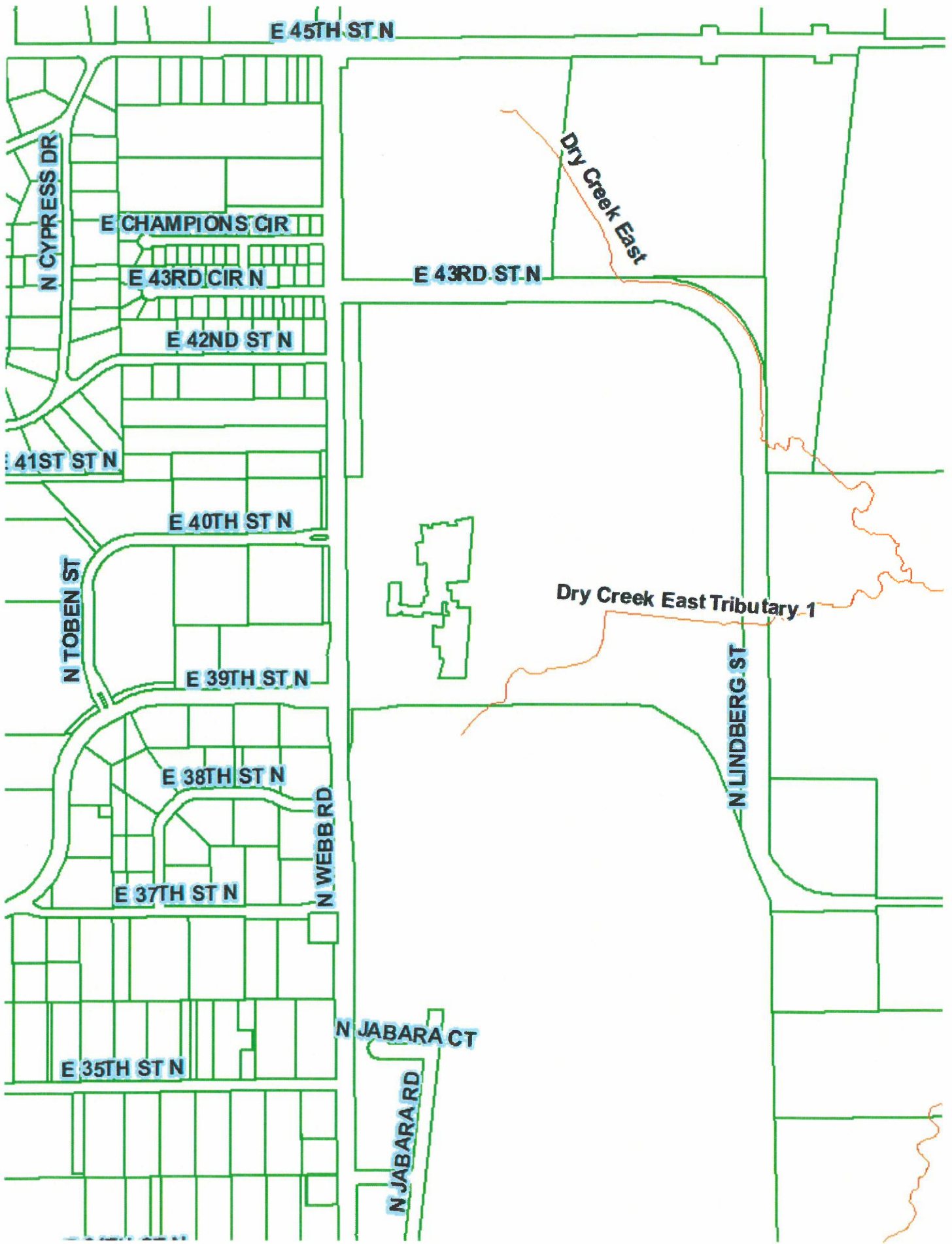
Thanks!

Scott C. Lindebak, P.E. | Stormwater Manager | Sedgwick County Public Works

p: (316) 660-1754 | f: (316) 660-1875 | scott.lindebak@sedgwick.gov

1144 S. Seneca | Wichita, KS 67213 | www.sedgwickcounty.org





From: Coltrane, Caleb, R [<mailto:CRColtrane@GarverUSA.com>]
Sent: Wednesday, September 20, 2023 4:55 PM
To: Lindebak, Scott C. <Scott.Lindebak@sedgwick.gov>
Cc: John Oswald <JOswald@wichita.gov>; Don Dearmont <DDearmont@wichita.gov>
Subject: (EXTERNAL)Floodplain near WSU Tech campus - Jabara Airport

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. Sedgwick County Division of Information Technology

Scott,

John Oswald and I are working on a project at the Jabara airport, just east/southeast of the WSU Tech facility. (See image below).

The floodplain map currently shows floodplain through that area, but it doesn't appear to reflect the taxiway construction and drainage improvements that were installed around 2010. Do you have any information on floodplain impacts or calculations from that project? Happy to talk if you have any questions on this.



Thanks!



Caleb Coltrane, PE

Aviation Leader

Aviation Team

📞 316-221-3022

📠 913-444-0219

Appendix 1 - REQUEST FOR CORPS JURISDICTIONAL DETERMINATION (JD)

To: Tulsa District

- I am requesting a JD on property located at: Colonel James Jabara Airport (Street Address)

City/Township/Parish: Wichita County: Sedgwick State: KS

Acreage of Parcel/Review Area for JD: 7

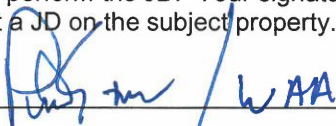
Section: 28 Township: T26S Range: 2E

Latitude (decimal degrees): _____ Longitude (decimal degrees): _____

(For linear projects, please include the center point of the proposed alignment.)

- Please attach a survey/plat map and vicinity map identifying location and review area for the JD.
- I currently own this property. I plan to purchase this property.
- I am an agent/consultant acting on behalf of the requestor.
- Other (please explain): _____
- Reason for request: (check as many as applicable)
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all aquatic resources.
 - I intend to construct/develop a project or perform activities on this parcel which would be designed to avoid all jurisdictional aquatic resources under Corps authority.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps, and the JD would be used to avoid and minimize impacts to jurisdictional aquatic resources and as an initial step in a future permitting process.
 - I intend to construct/develop a project or perform activities on this parcel which may require authorization from the Corps; this request is accompanied by my permit application and the JD is to be used in the permitting process.
 - I intend to construct/develop a project or perform activities in a navigable water of the U.S. which is included on the district Section 10 list and/or is subject to the ebb and flow of the tide.
 - A Corps JD is required in order to obtain my local/state authorization.
 - I intend to contest jurisdiction over a particular aquatic resource and request the Corps confirm that jurisdiction does/does not exist over the aquatic resource on the parcel.
 - I believe that the site may be comprised entirely of dry land.
 - Other: _____
- Type of determination being requested:
 - I am requesting an approved JD.
 - I am requesting a preliminary JD.
 - I am requesting a "no permit required" letter as I believe my proposed activity is not regulated.
 - I am unclear as to which JD I would like to request and require additional information to inform my decision.

By signing below, you are indicating that you have the authority, or are acting as the duly authorized agent of a person or entity with such authority, to and do hereby grant Corps personnel right of entry to legally access the site if needed to perform the JD. Your signature shall be an affirmation that you possess the requisite property rights to request a JD on the subject property.

*Signature:  Date: 06/30/2023

Typed or printed name: Rick Stone

Company name: Wichita Airport Authority

Address: 2173 Air Cargo Road

Wichita, KS 67209

Daytime phone no.: 316-946-4729

Email address: rlstone@wichita.gov

***Authorities:** Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Program of the U.S. Army Corps of Engineers; Final Rule for 33 CFR Parts 320-332.

Principal Purpose: The information that you provide will be used in evaluating your request to determine whether there are any aquatic resources within the project area subject to federal jurisdiction under the regulatory authorities referenced above.

Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public, and may be made available as part of a public notice as required by federal law. Your name and property location where federal jurisdiction is to be determined will be included in the approved jurisdictional determination (AJD), which will be made available to the public on the District's website and on the Headquarters USACE website.

Disclosure: Submission of requested information is voluntary; however, if information is not provided, the request for an AJD cannot be evaluated nor can an AJD be issued.



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, KANSAS CITY DISTRICT
KANSAS STATE REGULATORY OFFICE
2710 NE SHADY CREEK ACCESS ROAD
EL DORADO, KANSAS 67042

April 13, 2022

Kansas State Regulatory Office
(NWK-2022-00186)

Mr. Sean Corns
GSI Engineering, LLC
4503 E. 47th Street South
Wichita, KS 67210

Dear Mr. Corns,

This is in response to your request, submitted on behalf of Colonel James Jabara Airport for additional airport development. The request for a jurisdictional determination for two separate areas, north area is approximately 29.2 acre tract and south area is approximately 6.5 acre tract has been completed. The north area (Lat: 37.76086°, Lon: -97.22451°) is located in the SW ¼ of the NW ¼ of the section, and the south area (Lat: 37.75503°, Lon: -97.22542°) is located in the SW ¼ of the SW ¼ of the section. Both projects are located in Section 28 Township 26 South, Range 02 East, Sedgwick County, Kansas, in entirely upland locations.

This letter contains an approved jurisdictional determination for your project site. This jurisdictional determination is valid for a 5-year period from the date of this letter unless new information warrants revision of the determination before the expiration date. If you object to this determination, you may request an administrative appeal under Corps regulations at 33 CFR Part 331. Enclosed you will find a Notification of Administrative Appeal Options and Process and Request for Appeal (NAO-RFA) form. If you request to appeal this determination, you must submit a completed NAO-RFA form to the Northwestern Division Office at the following address:

Division Engineer
U.S. Army Corps of Engineers, Northwestern Division
ATTN: Melinda M. Larsen
Regulatory Appeals Review Officer
1201 NE Lloyd Blvd., Suite 400
Portland, OR 97232
Telephone: 503-808-3888

In order for an NAO-RFA to be accepted by the Corps, the Corps must determine that it is completed, that it meets the criteria for appeal under 33 CFR Part 331.5, and that it has been received by the Division Office within 60 days of the date of the NAO-RFA. Should you decide to submit an NAO-RFA form, it must be received at the above address by **June 13, 2022**. It is not necessary to submit an NAO-RFA form to the Division Office if you do not object to the determination in this letter.

In the event that you disagree with an approved jurisdictional determination and you have **new information** not considered in the original determination, you may request reconsideration of that determination by the Corps District prior to initiating an appeal. To request this reconsideration based upon new information, you must submit the completed NAO-RFA form and the new information to the District Office so that it is received within 60 days of the date of the NAO-RFA. Send approved jurisdictional determination reconsideration requests to:

District Commander
U.S. Army Corps of Engineers, Kansas City District
ATTN: David R. Hibbs
Chief, Regulatory Branch
601 East 12th Street, Suite 402
Kansas City, MO 64106-2824
Voice: 816-389-3990 – FAX: 816-389-2032

The Corps of Engineers has jurisdiction over all waters of the United States. Discharges of dredged or fill material in waters of the United States, including wetlands, require prior authorization from the Corps under Section 404 of the Clean Water Act (33 USC 1344). The implementing regulation for this Act is found at 33 CFR 320-332.

We have reviewed the information furnished and have determined that the proposed activity will not involve the discharge of dredged or fill material in waters of the United States. Therefore, Department of the Army permit authorization is not required. Other Federal, state and/or local permits may be required, however, and you should verify this yourself.



We are interested in your thoughts and opinions concerning your experience with the Kansas City District, Corps of Engineers Regulatory Program. Please feel free to complete our Customer Service Survey form on our website at: <https://regulatory.ops.usace.army.mil/customer-service-survey/>. You may also call and request a paper copy of the survey which you may complete and return to us by mail.

Mr. Scott Dodson, Regulatory Specialist, reviewed the information furnished and made this determination. If you have any questions concerning this matter, please feel free to contact Mr. Dodson at 316-322-8247 (scott.t.dodson@usace.army.mil). Please reference Permit No. **2022-00186** in all comments and/or inquiries relating to this project. This letter is only being provided to you electronically at: scorns@gsinetwork.com.

Enclosure

cc (electronically w/o enclosure)

Environmental Protection Agency,
Watershed and Grants Branch
U.S. Fish and Wildlife Service, Manhattan, Kansas
Kansas Department of Wildlife and Parks
Kansas Department of Health and Environment
Kansas Department of Agriculture

DRY LAND APPROVED JURISDICTIONAL DETERMINATION FORM¹
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

- A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):** April 13, 2022
- B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** CENWK-ODR-K, Colonel James Jabara Airport, NWK-2022-00186
- C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

State: Kansas County/parish/borough: Sedgwick County City: Wichita
Center coordinates of site (lat/long in degree decimal format): Lat. 37.76086 °, Long. -97.22451 °
Lat. 37.75503 °, Long. -97.22542 °
Universal Transverse Mercator: [Click here to enter text.](#)

Name of nearest waterbody: Dry Creek

Name of watershed or Hydrologic Unit Code (HUC): Arkansas-White-Red Region, 11030017

- Check if map/diagram of review area is available upon request.
- Check if other sites (e.g., offsite mitigation sites, disposal sites, etc...) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- Office (Desk) Determination. Date: April 13, 2022
- Field Determination. Date(s): [Click here to enter a date.](#)

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There are no "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There are no "waters of the U.S." within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area.

SECTION III: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall 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: GSI Engineering, LLC.
- 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: [Click here to enter text.](#)
- U.S. Geological Survey Hydrologic Atlas: [Click here to enter text.](#)
- USGS NHD data.
- USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: 1:24,000 – Greenwich Quad
- USDA Natural Resources Conservation Service Soil Survey. Citation: [Click here to enter text.](#)
- National wetlands inventory map(s). Cite name: USFWS – Greenwich Quad
- State/Local wetland inventory map(s): [Click here to enter text.](#)
- FEMA/FIRM maps: [Click here to enter text.](#)
- 100-year Floodplain Elevation is: [Click here to enter text.](#) (National Geodectic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): Google Earth 1991, 2002, 2003, 2004, 2008, 2010, 2011, 2013, 2016, 2021
or Other (Name & Date): [Click here to enter text.](#)
- Previous determination(s). File no. and date of response letter: [Click here to enter text.](#)
- Applicable/supporting case law: [Click here to enter text.](#)
- Applicable/supporting scientific literature: [Click here to enter text.](#)
- Other information (please specify): [Click here to enter text.](#)

B. REQUIRED ADDITIONAL COMMENTS TO SUPPORT JD. EXPLAIN RATIONALE FOR DETERMINATION THAT THE REVIEW AREA ONLY INCLUDES DRY LAND: The project is located entirely within the uplands.

¹ This form is for use only in recording approved JDs involving dry land. It extracts the relevant elements of the longer approved JD form in use since 2007 for aquatic areas and adds no new fields.

NWK-2022-00186

AJD review area
North - 29.2 acres
South - 6.5 acres

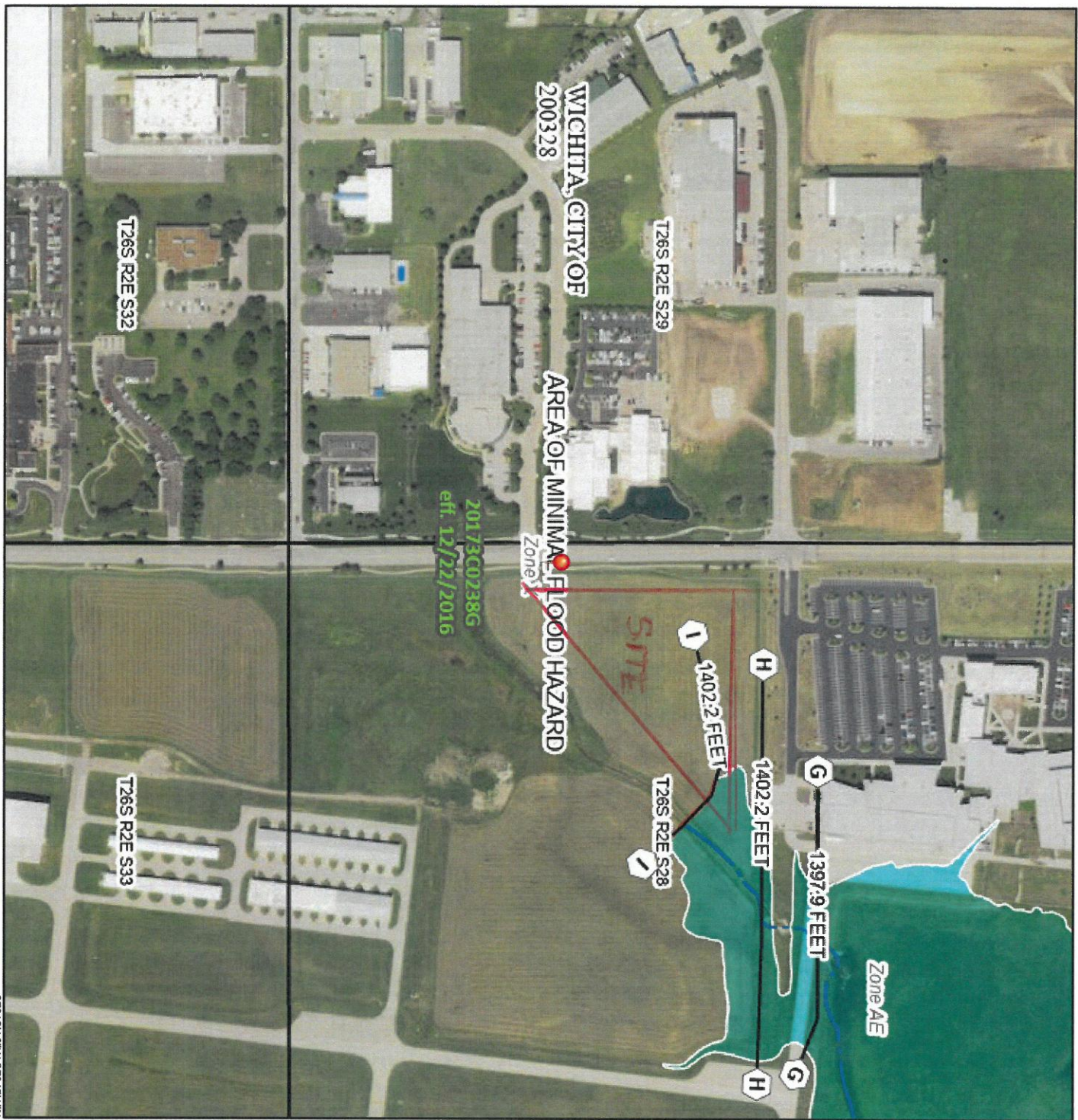
Legend

- Areas
- North Area
- South Area



National Flood Hazard Layer FIRMette

97°13'53"W 37°45'29"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE) Zone A, V, X, 999
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with draining areas of less than one square mile Zone-
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee, See Notes, Zone X
- Area with Flood Risk due to Levee Zone D

OTHER AREAS

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRS
- Area of Undetermined Flood Hazard Zone

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- 8 - - - Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/30/2023 at 3:50 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.