



# APPENDIX B



## 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.

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Name of Airport, LOC ID, and location:

Durango-La Plata County Airport (DRO), Durango, CO

Project Title:

Acquisition of "Crossfire" Property

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 proposed project is the acquisition of approximately 12.523 acres referred to as the "Crossfire Property". The parcel is located to the west of the existing airport terminal building and adjacent to the current property boundary. It has extensive site improvements including landscaping, concrete walks and asphalt parking and drives, and approximately seven acres of excess land developed as a fenced, graveled storage yard.

The parcel also includes two steel-frame buildings containing 19,600 square feet each. The south building was constructed in 1995 is mostly office and finished fabrication space. The north building is mostly warehouse space for fabrication built in 2000.

The airport desires the Crossfire Property as the west side of the airport is currently constrained for future development. The acquisition of this parcel would allow for future expansion and development adjacent to existing terminal facilities.

See Appendix A for property location.

Potential acquisition is planned for Fall 2018.

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

The proposed project area is located adjacent to the existing airport property and has been largely disturbed by previously development. Through a preliminary site visit of the parcel by Ecosphere Environmental Services (Ecosphere) on June 15, 2018, it was determined that the parcel may contain wetland areas as well as potential New Mexico Meadow Jumping Mouse (NMMJM) habitat (see Appendix B). Further, a Phase I Environmental Site Assessment (ESA) was completed for the parcel by SME Environmental Consultants (SME) in March 2018. The Phase I ESA found one Recognized Environmental Conditions (REC) on the parcel (see Appendix C).

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.

FAA Order 1050.1F: 5-6.4bb

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 Actions, as well as other guidance documents to assist you in determining what information needs to be provided about these resource topics to address potential impacts. Keep in mind that both construction and operational impacts must be included. Indicate whether or not there would be any effects under the particular resource topic and, **if needed**, cite available references to support these conclusions. Additional analyses and inventories can be attached or cited as needed.

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

	YES	NO
<p>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.</p> <p>The National Register of Historic Places (NRHP) currently lists five districts and eight properties in and near the City of Durango; none of which are in proximity to the parcel.</p> <p>A Cultural Resource Inventory of the Durango-La Plata County Airport property for the 2017 Airport Master Plan was completed in 2015. The inventory documented 14 new archaeological sites and 28 isolated finds. None of these sites were located within proximity to the parcel. The existing buildings located on the parcel were constructed in 1995 and 2000, making them fewer than 50 years old. Further, the parcel has largely been disturbed with past development projects making it unlikely that historic resources are present.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Does the project have the potential to cause effects? If yes, describe the nature and extent of the effects.</p> <p>No historic properties are located within or adjacent to the proposed project area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



	YES	NO
<p>Is the project area undisturbed? If not, provide information on the prior disturbance (including type and depth of disturbance, if available)</p> <p>The proposed project area is disturbed.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

	YES	NO
<p>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.</p> <p>The City of Durango has 33 park and recreation areas, all of which are more than six miles from the parcel. The nearest Section 4(f) resource is the Ignacio Junior High School, located approximately five miles east of the Airport. As stated previously, no historic resources are located on the parcel.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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.</p> <p>As no properties protected under Section 4(f) are located within or near the proposed project area, the project will not use any Section 4(f) resources.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<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> <p>No recreational or park land purchased with Section 6(f) Land and Water Conservation Funds are located within or near the proposed project area. Therefore, no impacts to Section 6(f) land will result from the proposed project.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**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>According to the U.S. Fish and Wildlife Service's (USFWS) Information, Planning, and Conservation (IPaC) System resource list, there are 10 species of concern that may potentially occur within proximity to the parcel (see Appendix D). A preliminary site visit of the parcel was completed by Ecosphere on June 15, 2018 (see Appendix B). The site visit determined that potential NMMJM habitat may be present on the parcel.</p>	<input checked="" type="checkbox"/>	<input 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 &amp; 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> <p>The proposed project includes only the acquisition of the parcel and does not include any demolition or construction that could potentially impact biological resources.</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 &amp; Wildlife Service).</p> <p>According the USFWS IPaC report, Migratory Birds may occur in proximity to the parcel (see Appendix D). However, the proposed project includes only the acquisition of the parcel and does not include any demolition or construction that could potentially impact Migratory Birds.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**5-2.b (4) Other Resources**

Items to consider include:

<b>a. Fish and Wildlife Coordination Act</b>	<b>YES</b>	<b>NO</b>
<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>The proposed project area does not contain any resources protected by the Fish and Wildlife Coordination Act.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>b. Wetlands and Other Waters of the U.S.</b>	<b>YES</b>	<b>NO</b>
<p>Are there any wetlands or other waters of the U.S. in or near the project area?</p> <p>According to the National Wetland Inventory (NWI), there is potential for wetlands to exist on the parcel. As such, a site visit of the parcel was completed by Ecosphere on June 15, 2018 (see Appendix B). The site visit determined that there is a large wetland complex northwest of the parcel, of which 0.12 acres extends onto the subject parcel. The water flowing through this area is irrigation return flows emanating from farmlands to the north. The water drains through a culvert beneath County Road (CR) 309 west to the Florida River floodplain.</p> <p>Along the east edge of the parcel within what may be the CR 309A right-of-way, is more irrigation return water that has been channelized into the CR bar ditch. The ditch enters a drain that appears to discharge west of CR 309.</p>	<input checked="" type="checkbox"/>	<input 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.</p> <p>As stated previously, a site visit of the parcel was completed by Ecosphere; however it did not include a formal wetland delineation or consultation with the U.S. Army Corp of Engineers (USACE) and the local irrigation district.</p>	<input checked="" type="checkbox"/>	<input 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> <p>The proposed project includes only the acquisition of the parcel and does not include any demolition or construction that could potentially impact wetlands located on or near the parcel.</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> <p>As no construction is included in the proposed project, a Section 404 permit is not required.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>c. Floodplains</b>	<b>YES</b>	<b>NO</b>
<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.</p> <p>The parcel is located on FIRM panel 08067C0740F, effective August 19, 2010. The parcel is in flood zone X, an area of minimal flood hazard. See Appendix E for Floodplain Map.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>d. Coastal Resources</b>	<b>YES</b>	<b>NO</b>
<p>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.</p> <p>The proposed project is not located in a coastal zone.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Will the project occur in or impact the Coastal Barrier Resource System as defined by the US Fish and Wildlife Service?</p> <p>The proposed project will not occur in or impact the Coastal Barrier Resource System as the project occurs inland and outside of any coastal areas.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>e. National Marine Sanctuaries</b>	<b>YES</b>	<b>NO</b>
<p>Is a National Marine Sanctuary located in the project area? If yes, discuss the potential for the project to impact that resource.</p> <p>A National Marine Sanctuary is not located in the project area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>f. Wilderness Areas</b>	<b>YES</b>	<b>NO</b>
<p>Is a Wilderness Area located in the project area? If yes, discuss the potential for the project to impact that resource.</p> <p>A Wilderness Area is not located in the project area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>g. Farmland</b>	<b>YES</b>	<b>NO</b>
<p>Is there prime, unique, state, or locally important farmland in/near the project area? Describe any significant impacts from the project.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



The proposed project area is developed and not being used for farming practices.		
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.  The proposed project area is currently developed and will not include the conversion of farmland.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>h. Energy Supply and Natural Resources</b>	<b>YES</b>	<b>NO</b>
Will the project change energy requirements or use consumable natural resources either during construction or during operations?  The proposed project will not directly change the amount or type of natural resources or energy consumption as the project does not include any construction, expansion, or demolition. The existing buildings will be vacated after acquisition, at what time, the consumption of natural resources and energy used to run the buildings will end. DRO may choose to lease the existing buildings to future operators. If this occurs, the buildings and occupants will likely consume similar amounts of natural resources and energy to what is currently consumed. The existing consumption does not create a shortage of any resources; as such, it is assumed that future consumption at a similar occupant level, would not create a shortage.	<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?  The proposed project will not result in any changes to aircraft or vehicle traffic patterns that could alter fuel usage.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>i. Wild and Scenic Rivers</b>	<b>YES</b>	<b>NO</b>
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?  The nearest Wild and Scenic River is more than 70 miles from the proposed project area and will not be impacted.	<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?  As no rivers are present in or near the proposed project area, the project will not directly or indirectly affect any river.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

j. Solid Waste Management	YES	NO
<p>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.</p> <p>No construction will occur as part of the proposed project; thus solid waste associated with construction will not be generated. It is anticipated that the existing parcel will be vacated upon purchase and the generation of solid waste would cease. If the parcel is leased in the future, it is anticipated that the occupants will likely produce a similar amount of solid waste as to what has been produced historically by past occupants. As such, it is not anticipated that the proposed project would result in the generation of a significant amount of solid waste.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

	YES	NO
<p>Will the project disrupt a community, planned development or be inconsistent with plans or goals of the community?</p> <p>The land to be purchased is not part of a community and does not include any residences. The proposed project does not include any demolition, construction, or changes in use of the parcel that may inconsistent with plans and goals of the adjacent communities.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Are residents or businesses being relocated as part of the project?</p> <p>The proposed project would not directly result in any changes to the current business occupying the parcel as the business and its occupants would relocate regardless of the land acquisition by DRO. No residences are located within the parcel.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**5-2.b(6) Environmental Justice**

	YES	NO
<p>Are there minority and/or low-income populations in/near the project area?</p> <p>The largest minority population in all three local districts (Durango, La Plata County, and Colorado) is Hispanic or Latino. The percent of persons in poverty is also similar for all three districts, with 12.4 percent of the population of Durango and La Plata County being in poverty. This is slightly higher than Colorado's 12.0 percent. None of these minorities of persons of poverty live within or directly adjacent to the parcel.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	YES	NO
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"/>
The proposed project will not result in impacts to any population, to include minority and low-income populations.		

**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"/>
The proposed project will not result in any changes to existing surface traffic.		
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"/>
The proposed project will not require changes to any existing roads.		

**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"/>
The proposed project will not result in changes to any aircraft operations or fleet mix as no construction is included in the project.		
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"/>
The proposed project will not result in changes to airfield configuration, runway use, or flight patterns as no construction is included in the project.		
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"/>
The proposed project will not result in changes to airport operations as no construction is included in the project.		

	YES	NO
<p>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.</p> <p>A noise analysis has not been conducted as the proposed project will not alter aircraft or airport operations, nor does it include any construction.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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?</p> <p>The project will not result in any changes to the airport operations; therefore, no changes to noise will occur.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**5-2.b(9) Air Quality**

	YES	NO
<p>Is the project located in a Clean Air Act non-attainment or maintenance area?</p> <p>The proposed project area is not located in a Clean Air Act non-attainment or maintenance area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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.</p>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Does the project have the potential to increase landside or airside capacity, including an increase of surface vehicles?</p> <p>The project does not include any construction; therefore, no changes to landside or airside capacity will result from the proposed project.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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?</p> <p>No impacts to air quality are anticipated as no construction is included in the proposed project.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



**5-2.b (10) Water Quality**

	YES	NO
<p>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.).</p> <p>The parcel is located on a mesa adjacent to the Florida River valley and uses a private well for potable and non-potable water needs. The parcel also has an existing cistern located on the west side of the two buildings and an abandoned well located just north of existing cistern.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>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.</p> <p>The proposed project does not include any construction and will therefore not impact any water resources.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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.</p> <p>The proposed project does not include the construction of any new buildings or pavement that would increase the amount or rate of stormwater runoff at the airport.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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?</p> <p>The project does not have the potential to violate any water quality standards no construction will occur.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Are any water quality related permits required? If yes, list the appropriate permits.</p> <p>It is not anticipated that special permits will be needed.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

	YES	NO
<p>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.</p> <p>There is no known opposition to the project, specifically on environmental grounds by a Federal, state, or local government, or by any substantial number of persons affected by the proposed project. Therefore, the proposed project is not likely to be controversial.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

	YES	NO
<p>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?</p> <p>The proposed project does not include any demolition, construction, or changes in use of the parcel that may be inconsistent with the plans, goals, policy, zoning, or local controls that have been adopted in the area.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Is the project incompatible with surrounding land uses?</p> <p>The proposed project does not include any demolition, construction, or changes in use of the parcel that may be incompatible with surrounding land uses.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

<b>a. Light Emissions and Visual Effects</b>	YES	NO
<p>Will the proposed project produce light emission impacts?</p> <p>The proposed project does not include any new construction and therefore will not produce any light emissions.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

<p>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?</p> <p>The proposed project does not include any construction therefore no visual or aesthetic impacts will result from the proposed project.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>b. Hazardous Materials</b>	<b>YES</b>	<b>NO</b>
<p>Does the project involve or affect hazardous materials?</p> <p>SME completed a Phase I ESA for the proposed project area in March 2018 (see Appendix C). SME identified a total of six findings: two findings on the target property and four findings on adjoining properties, as defined by ASTM Standard 1527-13 as known or suspected RECs. After an evaluation of these findings, it is SME's opinion, as an environmental professional, that one of the findings (stained soils) constitute RECs. It is recommended by SME that a Phase II ESA be completed for the parcel that includes soil collection, soil removal, and laboratory analysis of the REC identified in the Phase I ESA. The completion of the Phase II ESA would result in a "clean" parcel.</p> <p>Although a REC was identified, the proposed project does not include any construction or demolition that would disturb the stained soils. Prior to any construction or development related activities on this parcel, the stained soils will be removed and the petroleum products disposed of. It is also understood that future development of this area will be evaluated in a separate environmental clearance document that will analysis specific construction and development related impacts.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Will construction take place in an area that contains or previously contained hazardous materials?</p> <p>The proposed project does not include any construction.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>If the project involves land acquisition, is there a potential for this land to contain hazardous materials or contaminants?</p> <p>As discussed previously, a Phase I ESA was completed for the land to be acquired. The assessment determined that there is a REC in the form of stained soils within the parcel.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>Will the proposed project produce hazardous and/or solid waste either during construction or after? If yes, how will the additional waste be handled?</p> <p>As no construction will occur as part of the proposed project, it is not anticipated that any solid waste will be generated.</p>	<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. No public notification or involvement was completed as part of the proposed project as no opposition is known.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**5-2 .b (15) Indirect/Secondary/Induced Impacts**

	YES	NO
Will the project result in indirect/secondary/induced impacts? No construction is included in the proposed project that would result in indirect, secondary, or 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? No construction is included in the proposed project or planned in the future that would result in indirect, secondary, or induced impacts.	<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.

It is not anticipated that special permits will be needed.

**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.

No environmental impacts found as a result of the proposed projects.

**Preparer Information**

Point of Contact: Morgan Einspahr		
Address: 900 S. Broadway, Suite 350		
City: Denver	State: CO	Zip Code: 80209
Phone: 303-947-2391	Email Address: morgan.einspahr@jviation and andy.remstad@jviation	

Signature: *Remstad* *Jviation* Date: *8/14/18*  
*for Morgan Einspahr*

**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: Tony Vicari		
Address: 1000 Airport Road, Box 15		
City: Durango	State: CO	Zip Code: 81303
Phone Number: 970-382-6052	Email Address: tony.vicari@durangogov.org	
Additional Name(s):	Additional Email Address(es):	

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: *Anthony Vicari* Date: *8-14-2018*

**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:

Durango-La Plata County Airport (DRO), Durango, CO

Project Title:

Acquisition of "Crossfire" Property

- ☒ 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: Kandice Krull Title: Environmental Protection Specialist  
Responsible FAA Official

Signature:  Date: 8/14/18

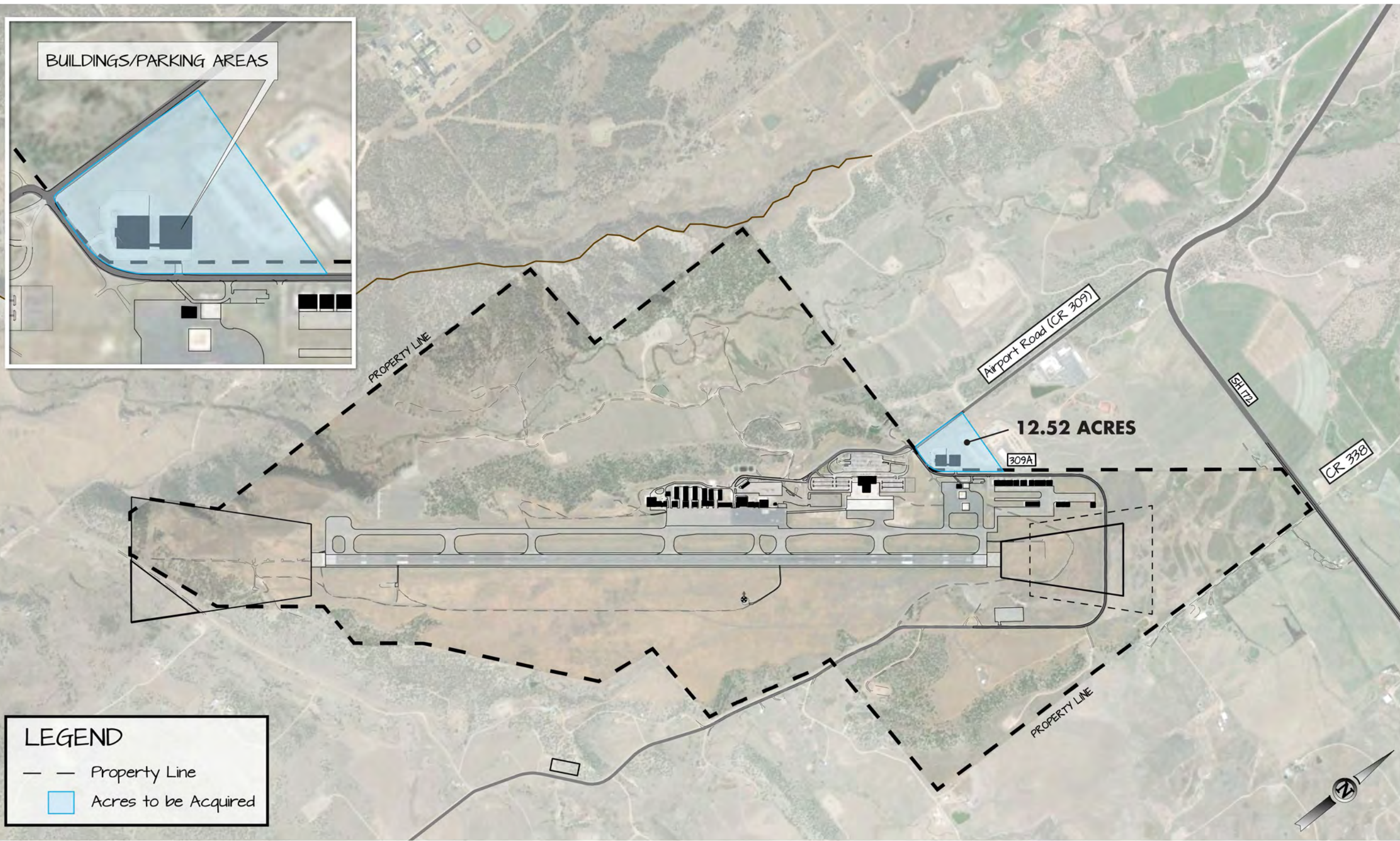




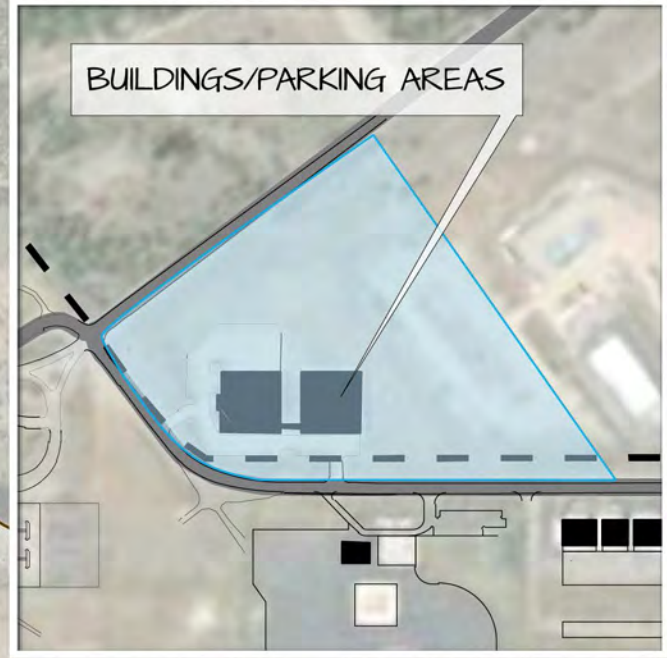
## **Appendix A: Project Location**

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BUILDINGS/PARKING AREAS



PROPERTY LINE

Airport Road (CR 309)

SA 172

CR 338

12.52 ACRES

309A

LEGEND

- — Property Line
- Acres to be Acquired





## **Appendix B: Site Visit Memo**

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June 18, 2018

Morgan Einspahr  
LEED GA, Environmental Planner  
Jvation, Inc.  
Sent via email to: Morgan.Einspahr@jvation.com

**RE: Wetland and New Mexico Meadow Jumping Mouse Habitat Assessments, Crossfire Property at Durango – La Plata County Airport**

Dear Morgan,

This letter summarizes the findings from my site visit to the subject parcel (map attached) as it relates to determining the presence/absence of potentially jurisdictional wetlands and habitat for the federally listed New Mexico meadow jumping mouse (NMMJM). The scope of this assessment was limited to reconnaissance of the site. No wetland delineations were performed and no surveys for the NMMJM were conducted.

I provided you a KMZ file (also attached) and email on June 15 that summarized the findings of my site visit. The findings are summarized as follows:

There are two discrete potentially jurisdictional wetland features outlined on the attached KMZ. There is a large wetland complex northwest of the subject parcel, of which 0.12 acre extends onto the subject parcel. There was water flowing through this wetland that is obviously irrigation return flows emanating from farmlands to the north. The water drains through a culvert beneath County Road (CR) 309 west to the Florida River floodplain.

Along this wetland drainage area are small patches of NMMJM habitat characterized by patches of grasses and sedges along the margins of the main flow channel and cattails.

Along the east edge of the parcel, within what may be the CR 309A right-of-way, is more irrigation return water that has been channelized into the CR bar ditch. Without further investigation, I do not know if this alignment is officially part of an area irrigation system ditch with downstream water rights. The ditch is thickly vegetated with short willows and cattails. The ditch enters a drain that appears to discharge west of CR 309. I suspect that this roadside ditch wetland would be considered jurisdictional because it appears to discharge to the Florida River floodplain to the west.

As with the wetland complex to the west, there are thin margins of grasses and sedges that represent marginal but potential habitat for the NMMJM. This is a very conservative assessment. The NMMJM also needs upland areas for hibernacula; the nearest such areas are more than 1,500 feet to the west beyond

CR 309. It is not known whether the U.S. Fish and Wildlife Service would concur with this assessment or determine that it is too isolated and limited to warrant any protections.

There are also stormwater interception trenches and retention pond features on the property (refer to attached photos). These features do not contain potentially jurisdictional wetlands nor do they contain any suitable habitat for the NMMJM. Several small patches of willow on the parcel associated with the wetland areas are not of sufficient size to provide nesting habitat for the southwestern willow flycatcher.

A few recommendations:

1. Check with the area irrigation district to better understand the alignment of ditches through the area.
2. Depending upon the findings with the ditch company, it appears that it would be easy to reroute the CR 309A ditch water to the west, north of the subject parcel; thereby eliminating the ditch wetlands from future development considerations.
3. The small (0.12 acre) west side wetland may be an esthetic landscape feature as part of future development plans.

Please feel free to contact me directly with any questions.

Sincerely,



Mike Fitzgerald  
Principal

Attachments: Photographs and Maps





View looking southwest across the wetland in the northwest corner of the parcel.





View looking south-southwest down the wetland complex in northwest corner of parcel. Margins of this feature have grass-sedge associations that may provide suitable habitat for the NMMJM.





Southern edge of northwest corner wetland before the irrigation water exits the parcel via a culvert beneath CR 309 that discharges to the Florida River floodplain.





Stormwater inception trench through middle of the parcel. This stormwater feature drains to a dry (at the time of the inspection) retention pond that has an overflow structure that drains to the wetland complex in the northwest corner of the parcel.

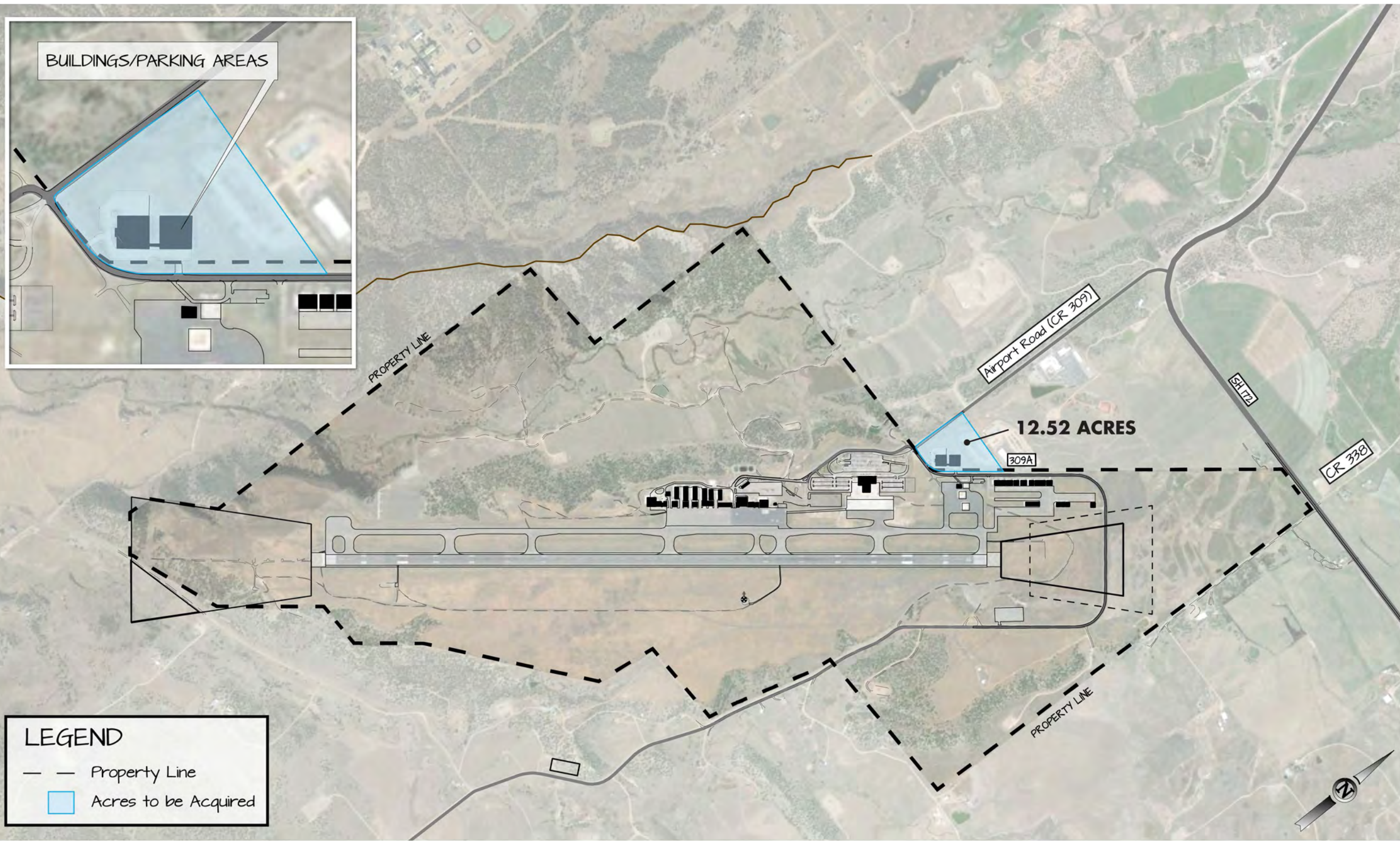




View north of linear wetland feature along west edge of CR 309A. The road is not visible in this photo just beyond the top of the cattails.







BUILDINGS/PARKING AREAS

PROPERTY LINE

Airport Road (CR 309)

SA 172

CR 338

12.52 ACRES

309A

# LEGEND

— — Property Line

Acres to be Acquired



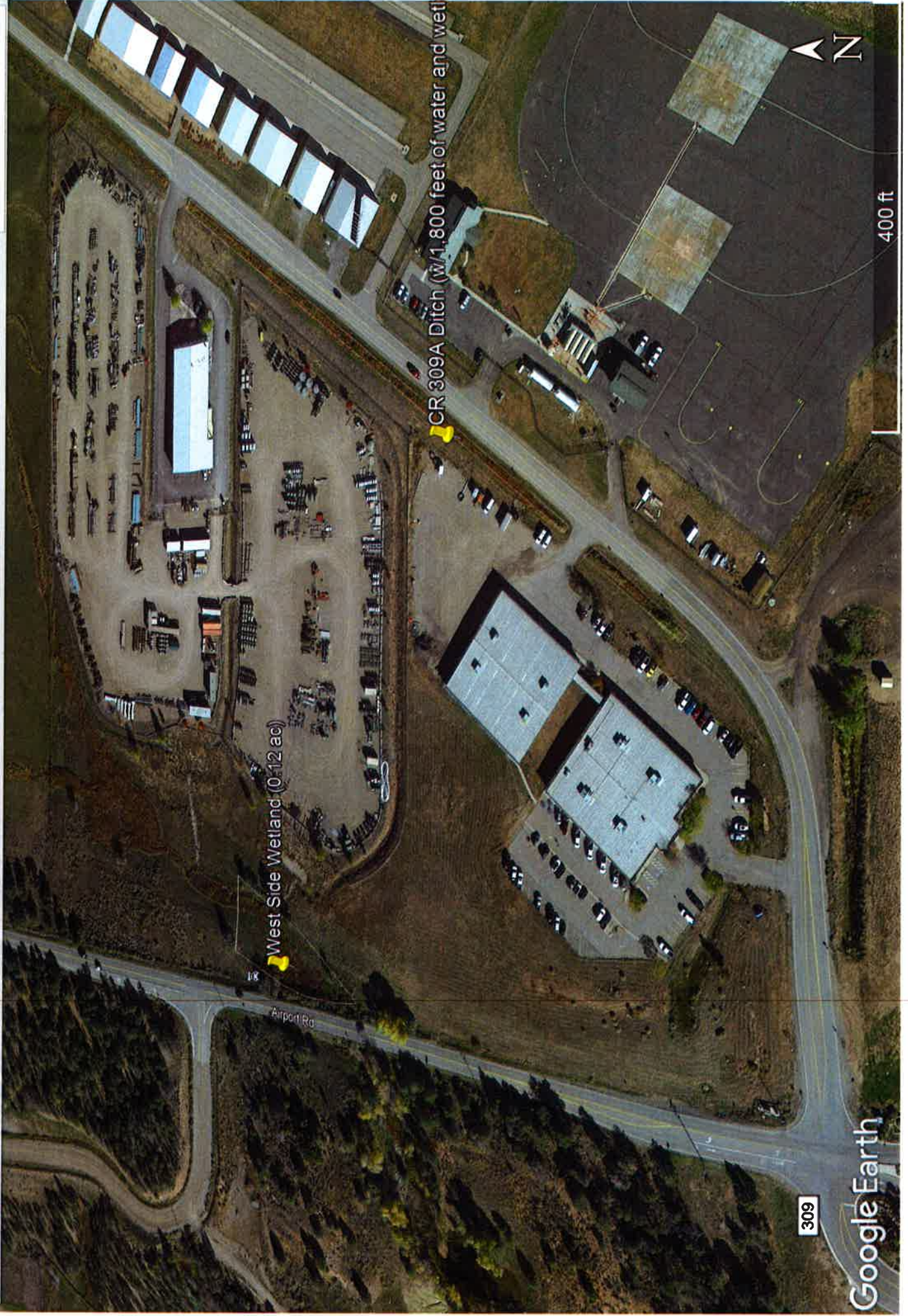




# Potentially Jurisdictional Wetland Areas and New Mexico Meadow Jump

Legend

Wetland Complex







March 15, 2018

# **Wetlands**

- |   |  |  |
|---|--|--|
| <span style="display:inline-block; width:15px; height:15px; background-color:blue; border:1px solid black;"></span> Estuarine and Marine Deepwater    | <span style="display:inline-block; width:15px; height:15px; background-color:lightblue; border:1px solid black;"></span> Freshwater Emergent Wetland   | <span style="display:inline-block; width:15px; height:15px; background-color:purple; border:1px solid black;"></span> Lake   |
| <span style="display:inline-block; width:15px; height:15px; background-color:lightblue; border:1px solid black;"></span> Estuarine and Marine Wetland | <span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span> Freshwater Forested/Shrub Wetland | <span style="display:inline-block; width:15px; height:15px; background-color:tan; border:1px solid black;"></span> Other     |
|   | <span style="display:inline-block; width:15px; height:15px; background-color:blue; border:1px solid black;"></span> Freshwater Pond                    | <span style="display:inline-block; width:15px; height:15px; background-color:blue; border:1px solid black;"></span> Riverine |

## **Appendix C: Phase I ESA**

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Only executive summary included due to file size. Full report available upon request.





# PHASE I ENVIRONMENTAL SITE ASSESSMENT

Durango-La Plata County Airport Expansion,  
La Plata County, Colorado



**Prepared for:**

Aviation  
900 South Broadway, Suite 350, Denver,  
Colorado 8020

**Prepared by:**

SME Environmental, Inc.  
679 East 2<sup>nd</sup> Avenue Unit E2  
Durango, CO 81301



**May 2018**



## EXECUTIVE SUMMARY

A Phase I Environmental Site Assessment (*Phase I ESA*) was completed by SME Environmental, Inc. (SME) for Ms. Morgan Einspahr of Jviation for the Durango-La Plata County Airport Expansion, located at 820 Airport Rd, in the City of Durango, La Plata County, Colorado. For the purposes of this report, this property will hereafter be called the “*target property*”. It is the understanding of SME that this *Phase I ESA* was conducted as part of a commercial real estate transaction. Therefore, the *User* of this *Phase I ESA*, as defined by the ASTM 1527-13 standard, is Jviation. The *target property* is depicted on Figure 1: Appendix 1.

SME performed this *Phase I ESA* in conformance with the scope and limitations of ASTM Standard 1527-13, *Standard Practice for Environmental Site Assessments*. Any exceptions to, or deletions from, this practice are described in sections 7.0 and 8.1 of this report. The objective of a *Phase I ESA* is to identify *recognized environmental conditions (RECs)*, or the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property. The *Phase I ESA* included a review of public agency files and databases, historical aerial photography and topographic maps, and reviews of available historical city directories. The *Phase I ESA* also included a site inspection of the *target property*, limited site inspections of adjacent and nearby properties, and interviews with individuals with knowledge of the *target property* and its surroundings.

As a result of this *Phase I ESA*, SME identified a total of 6 *findings*: 2 *findings* on the *target property* and 4 *findings* on adjoining properties, as defined by ASTM Standard 1527-13 as known or suspected *RECs*. These are discussed in detail in Section 7.0 of this report. After an evaluation of these *findings* for this *Phase I ESA*, it is the opinion of SME, as *environmental professional*, that **one of the *findings* constitute *RECs***.

## **Appendix D: IPaC Report**

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# 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

La Plata County, Colorado



## Local office

Western Colorado Ecological Services Field Office

☎ (970) 243-2778

📠 (970) 245-6933

445 West Gunnison Avenue, Suite 240  
Grand Junction, CO 81501-5711

<http://www.fws.gov/mountain-prairie/es/Colorado/>

<http://www.fws.gov/platteriver/>

# Endangered species

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

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

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

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

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

Listed species<sup>1</sup> are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service.

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.

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

## Mammals

NAME	STATUS
New Mexico Meadow Jumping Mouse <i>Zapus hudsonius luteus</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/7965">https://ecos.fws.gov/ecp/species/7965</a>	Endangered



North American Wolverine *Gulo gulo luscus*  
No critical habitat has been designated for this species.  
<https://ecos.fws.gov/ecp/species/5123>

Proposed Threatened

## Birds

NAME

STATUS

Mexican Spotted Owl *Strix occidentalis lucida*  
There is **final** critical habitat for this species. Your location is outside the critical habitat.  
<https://ecos.fws.gov/ecp/species/8196>

Threatened

Southwestern Willow Flycatcher *Empidonax traillii extimus*  
There is **final** critical habitat for this species. Your location is outside the critical habitat.  
<https://ecos.fws.gov/ecp/species/6749>

Endangered

Yellow-billed Cuckoo *Coccyzus americanus*  
There is **proposed** critical habitat for this species. Your location is outside the critical habitat.  
<https://ecos.fws.gov/ecp/species/3911>

Threatened

## Fishes

NAME

STATUS

Bonytail Chub *Gila elegans*  
This species only needs to be considered if the following condition applies:

- Water depletions in the upper Colorado River basin adversely affect this species and its critical habitat. This species does not need to be considered if the project is outside of its occupied habitat and does not deplete water from the basin.

There is **final** critical habitat for this species. Your location is outside the critical habitat.  
<https://ecos.fws.gov/ecp/species/1377>

Endangered

Colorado Pikeminnow (=squawfish) *Ptychocheilus lucius*  
This species only needs to be considered if the following condition applies:

- Water depletions in the upper Colorado River basin adversely affect this species and its critical habitat. This species does not need to be considered if the project is outside of its occupied habitat and does not deplete water from the basin.

There is **final** critical habitat for this species. Your location is outside the critical habitat.  
<https://ecos.fws.gov/ecp/species/3531>

Endangered

## Humpback Chub *Gila cypha*

Endangered

This species only needs to be considered if the following condition applies:

- Water depletions in the upper Colorado River basin adversely affect this species and its critical habitat. This species does not need to be considered if the project is outside of its occupied habitat and does not deplete water from the basin.

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/3930>

## Razorback Sucker *Xyrauchen texanus*

Endangered

This species only needs to be considered if the following condition applies:

- Water depletions in the upper Colorado River basin adversely affect this species and its critical habitat. This species does not need to be considered if the project is outside of its occupied habitat and does not deplete water from the basin.

There is **final** critical habitat for this species. Your location is outside the critical habitat.

<https://ecos.fws.gov/ecp/species/530>

## Flowering Plants

NAME

STATUS

Knowlton's Cactus *Pediocactus knowltonii*

Endangered

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/1590>

## Critical habitats

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

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

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 <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.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 maps of where birders and the general public have sighted birds in and around your project area, visit E-bird tools such as the [E-bird data mapping tool](#) (search for the name of a bird on your list to see specific locations where that bird has been reported to occur within your project area over a certain timeframe) and the [E-bird Explore Data Tool](#) (perform a query to see a list of all birds sighted in your county or region and within a certain timeframe). 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 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 (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)



**Bald Eagle** *Haliaeetus leucocephalus*

Breeds Dec 1 to Aug 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.

<https://ecos.fws.gov/ecp/species/1626>

**Black Rosy-finch** *Leucosticte atrata*

Breeds Jun 15 to Aug 31

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

<https://ecos.fws.gov/ecp/species/9460>

**Black Swift** *Cypseloides niger*

Breeds Jun 15 to Sep 10

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

<https://ecos.fws.gov/ecp/species/8878>

**Brewer's Sparrow** *Spizella breweri*

Breeds May 15 to Aug 10

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/9291>

**Brown-capped Rosy-finch** *Leucosticte australis*

Breeds Jun 15 to Sep 15

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

**Clark's Grebe** *Aechmophorus clarkii*

Breeds Jan 1 to Dec 31

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

**Golden Eagle** *Aquila chrysaetos*

Breeds Jan 1 to Aug 31

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

<https://ecos.fws.gov/ecp/species/1680>

**Grace's Warbler** *Dendroica graciae*

Breeds May 20 to Jul 20

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

**Gray Vireo** *Vireo vicinior*

Breeds May 10 to Aug 20

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

<https://ecos.fws.gov/ecp/species/8680>



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

Lewis's Woodpecker *Melanerpes lewis*

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

<https://ecos.fws.gov/ecp/species/9408>

Breeds Apr 20 to Sep 30

Long-billed Curlew *Numenius americanus*

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

<https://ecos.fws.gov/ecp/species/5511>

Breeds Apr 1 to Jul 31

Marbled Godwit *Limosa fedoa*

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

<https://ecos.fws.gov/ecp/species/9481>

Breeds elsewhere

Olive-sided Flycatcher *Contopus cooperi*

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

<https://ecos.fws.gov/ecp/species/3914>

Breeds May 20 to Aug 31

Pinyon Jay *Gymnorhinus cyanocephalus*

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

<https://ecos.fws.gov/ecp/species/9420>

Breeds Feb 15 to Jul 15

Rufous Hummingbird *Selasphorus rufus*

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

<https://ecos.fws.gov/ecp/species/8002>

Breeds elsewhere

Virginia's Warbler *Vermivora virginiae*

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

<https://ecos.fws.gov/ecp/species/9441>

Breeds May 1 to Jul 31

Willet *Tringa semipalmata*

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

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA  
<https://ecos.fws.gov/ecp/species/3482>

## 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.

### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in your project's counties 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 counties of your project area. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

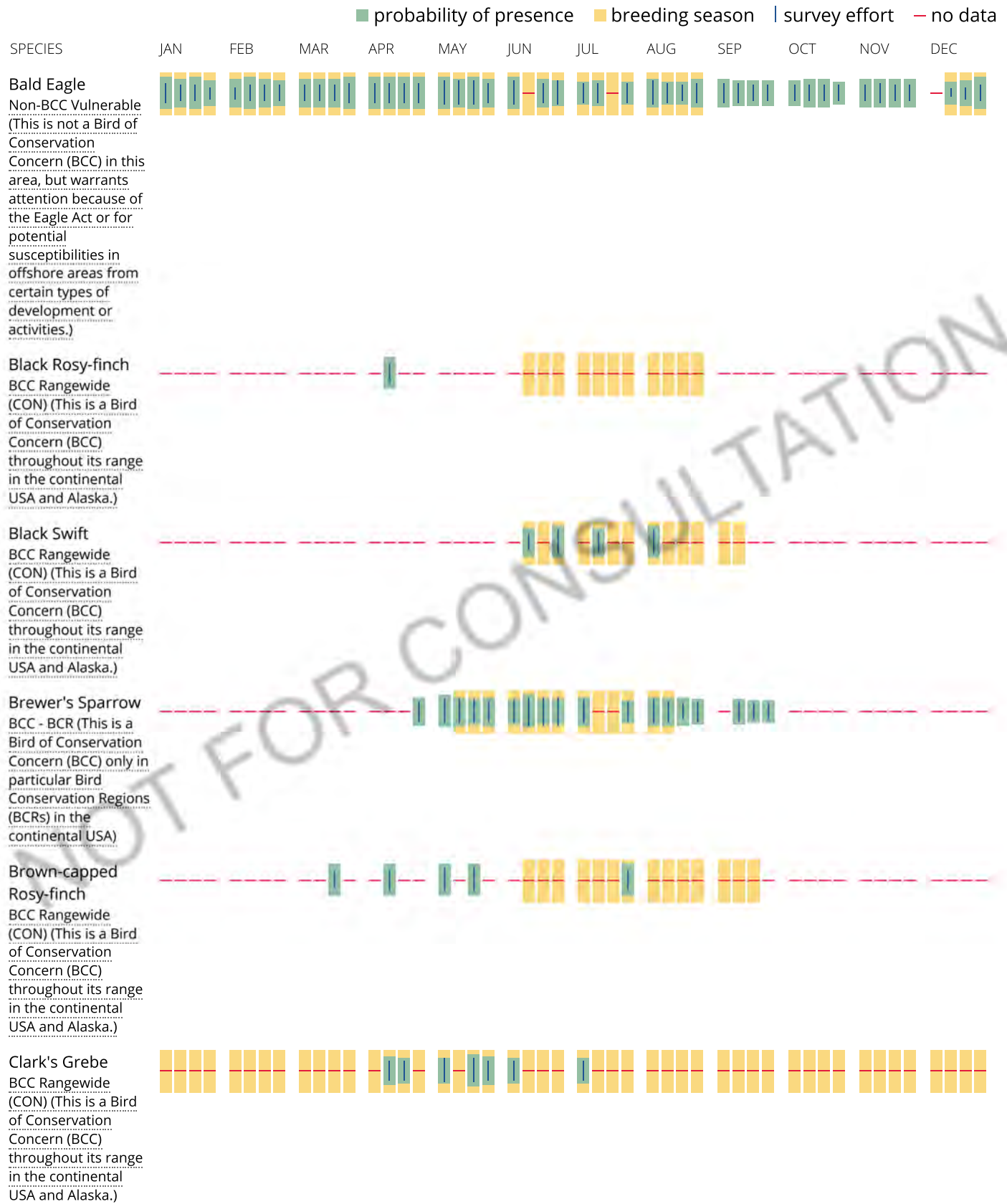
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

### No Data (—)

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

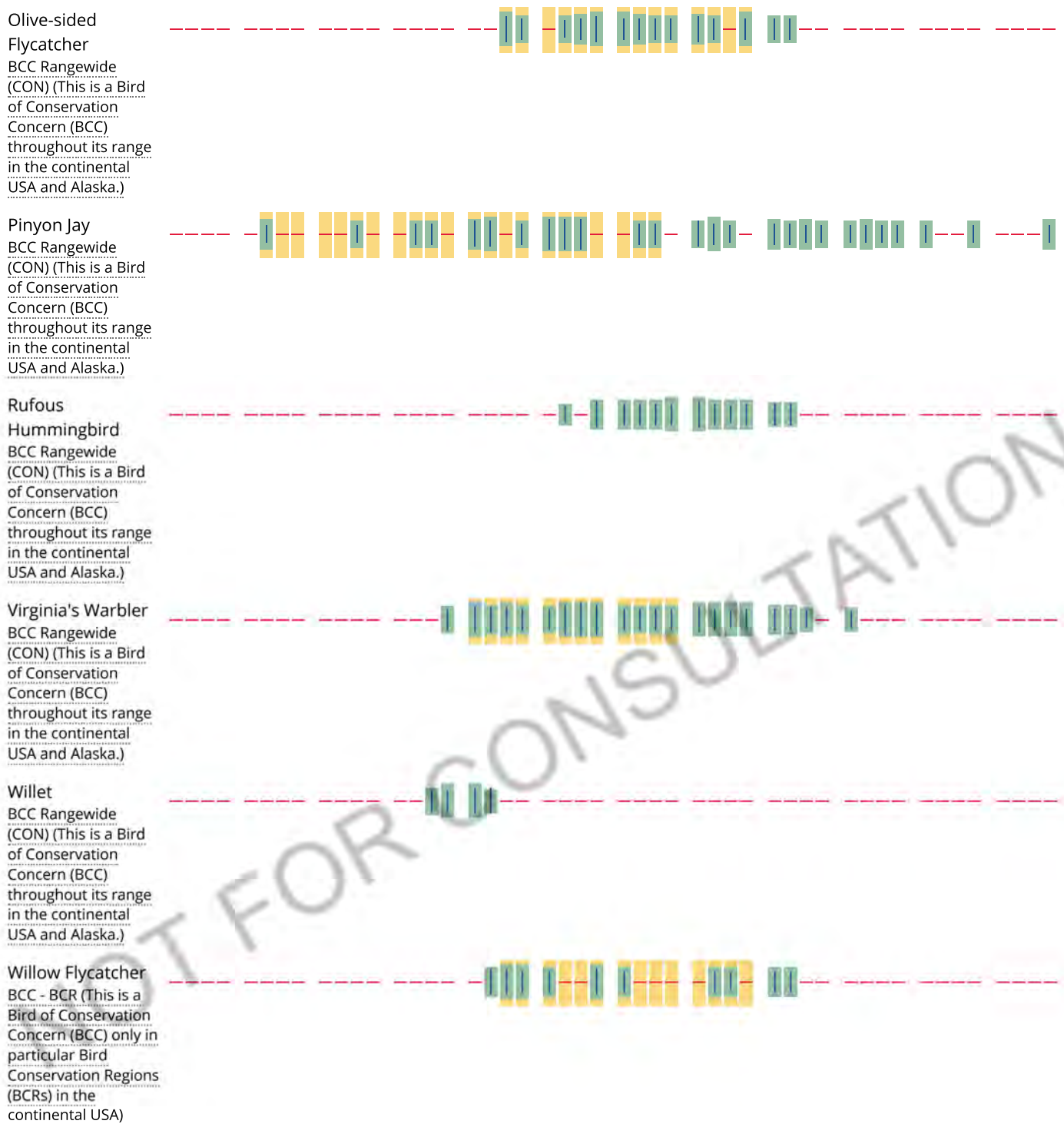
### Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information.









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](#) and/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 migratory birds potentially occurring 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 counties 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 [E-bird Explore Data 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, migrating or present year-round in my project 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 refer to the following resources: The [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird entry on your migratory bird species list indicates a breeding season, it is probable that the bird breeds in your project's counties 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 BGEPA should such impacts occur.

## Facilities

### Wildlife refuges and fish hatcheries

REFUGE AND FISH HATCHERY INFORMATION IS NOT AVAILABLE AT THIS TIME

## Wetlands in the National Wetlands Inventory

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

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

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

[PEMC](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <https://ecos.fws.gov/ipac/wetlands/decoder>

#### 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.

NOT FOR CONSULTATION

## **Appendix E: Floodplain Map**

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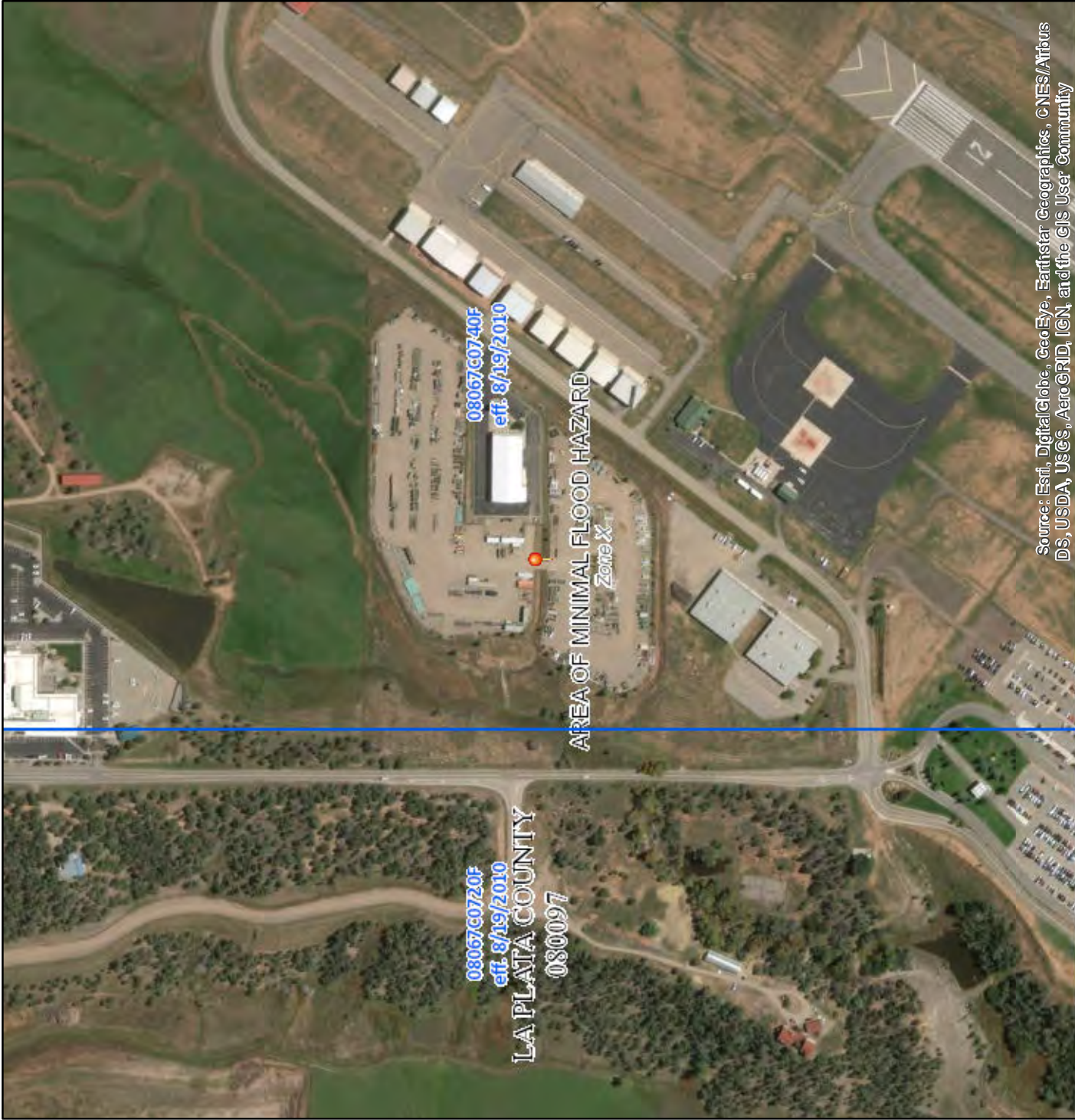




# National Flood Hazard Layer FIRMette



37°10'5.77"N



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



37°9'37.10"N

107°44'35.59"W

## Legend

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

Without Base Flood Elevation (BFE)  
Zone A, V, AE, AH, AO, AR

With BFE or Depth  
Regulatory Floodway

SPECIAL FLOOD HAZARD AREAS

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile

Future Conditions 1% Annual Chance Flood Hazard

Area with Reduced Flood Risk due to Levee, See Notes.

Area with Flood Risk due to Levee

Zone X

Zone X

Zone X

Zone D

OTHER AREAS OF FLOOD HAZARD

Area of Minimal Flood Hazard

Effective LOMRs

Area of Undetermined Flood Hazard

Zone X

Zone X

Zone D

OTHER AREAS

GENERAL STRUCTURES

Channel, Culvert, or Storm Sewer

Levee, Dike, or Floodwall

Cross Sections with 1% Annual Chance Water Surface Elevation

Coastal Transect

Base Flood Elevation Line (BFE)

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

20.2

17.5

15.0

12.5

10.0

7.5

5.0

2.5

0.0

OTHER FEATURES

Digital Data Available

No Digital Data Available

Unmapped

MAP PANELS

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **3/15/2018 at 5:10:04 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: base map 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.

