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Project name:
Suisun Logistics Center

To:
Joe Livaich, Senior Project Manager
Buzz Oates Construction, Inc.
555 Capitol Mall, Suite 900
Sacramento, CA
95814

From:
AECOM Technical Services

Date:
March 29, 2021

Memo

Subject: Wildlife Hazards Assessment for the Suisun Logistics Center Property

Dear Mr. Livaich,

This memorandum describes the methods and results of the wildlife hazards assessment that was conducted for the Suisun Logistics Center (SLC), in Suisun City, California. The 165-acre SLC project footprint will include approximately 120 acres of logistics and e-commerce buildings, and 45 acres of retained open space. This assessment was conducted to determine the existing level of wildlife activity at the SLC project site, and to evaluate the potential for wildlife hazards to operations at Travis Air Force Base (TAFB) as a result of project construction.

Methods

A desktop review of project background documents, aerial imagery and wildlife occurrence databases including the California Department of Fish and Wildlife's Natural Diversity Database (CNDDDB) was conducted on March 10, 2021 to identify habitats and species with potential to occur on the site. A pedestrian reconnaissance-level survey of the project footprint was conducted on March 11, 2021 by AECOM biologist Derek Jansen. The survey area included the 165-acre project footprint and a 250-foot buffer surrounding the entire footprint. Derek used hand-written notes and ArcGIS Collector to record all wildlife observations, map vegetation communities according to habitat type, and note any natural or man-made features that could attract wildlife to the site.

Results

The 120-acre portion of the SLC project footprint that will be developed consists of a wheat field and cattle grazing that is separated by two unnamed drainages, two culverted crossings, and fencing. The 45-acre conservation area exhibited vegetation community characteristics of a wetland (i.e., salt grass, pickleweed, goldfields) with ponding and scattered upland mounds. The project footprint is surrounded by development to the west and north, TAFB to the northeast, undeveloped and agricultural land to the east, and coastal brackish marsh to the south.

All species observed are common species; no special-status species or active bird nests were found. Small mammal burrows (e.g., Botta's pocket gopher) were detected occasionally within the survey area.

Plant and wildlife species observed in the survey area are listed in **Table 1**. Vegetation communities observed within the project footprint are shown in **Figure 1**. Representative site photographs are provided in **Attachment A**.

Table 1. Plant and wildlife species observed during reconnaissance survey.

Scientific Name	Common Name
Invertebrates	
<i>Scathophaga stercoraria</i>	yellow dung fly
<i>Ostracod spp</i>	seed shrimp
Amphibians	
<i>Pseudacris sierra</i>	Sierran treefrog
Birds	
<i>Sturnella neglecta</i>	meadow lark
<i>Falco sparverius</i>	American kestrel
<i>Cathartes aura</i>	turkey vulture
<i>Petrochelidon pyrrhonota</i>	cliff swallow
<i>Anas platyrhynchos</i>	mallard
<i>Gallinago delicata</i>	Wilson's snipe
<i>Limosa fedoa</i>	marbled godwit
<i>Euphagus cyanocephalus</i>	Brewer's blackbird
<i>Passerculus sandwichensis</i>	savannah sparrow
<i>Melospiza melodia</i>	song sparrow
<i>Agelaius phoeniceus</i>	red-winged blackbird
<i>Cistothorus palustris</i>	marsh wren
<i>Corvus corax</i>	common raven
<i>Columba livia</i>	rock pigeon
<i>Corvus brachyrhynchos</i>	American crow
<i>Numenius americanus</i>	long-billed curlew
<i>Sayornis saya</i>	Say's phoebe
<i>Lanius ludovicianus</i>	loggerhead shrike
<i>Buteo jamaicensis</i>	red-tailed hawk

Mammals	
<i>Canis latrans</i>	coyote
<i>Procyon lotor</i>	raccoon
<i>Thomomys bottae</i>	Botta's pocket gopher
Plants	
<i>Distichlis spicata</i>	Salt grass
<i>Salicornia spp.</i>	Pickleweed
<i>Typha spp.</i>	Cattail
<i>Lasthenia spp.</i>	Goldfields
<i>Dipterostemon capitatus</i>	Blue dicks
<i>Triphysaria eriantha</i>	Butter 'n' eggs

Discussion

The SLC logistics and e-commerce buildings associated with project development are not expected to result in attraction of birds or other wildlife to the property. Existing vegetation will be removed and replaced with buildings, resulting in an overall reduction in existing habitat within the 120-acre parcel. Anticipated changes to the existing avian habitat associated with the proposed construction activities include grading, excavation, permanent development, storm water controls, lighting, irrigation, noise, and increased human presence.

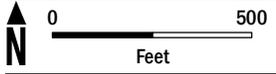
Natural or man-made features that could attract wildlife to the property post-construction include the proposed stormwater retention basin, 45 acres of retained open space, and existing unnamed drainage systems that travel from Peterson Road and below Highway 12 to the coastal brackish marsh. The planned stormwater retention basin is unlikely to result in additional wildlife attraction because the system is designed for quick drainage, and because the basin will be surrounded by development. The parcel dedicated to open space would not result in an increase in wildlife activity, due to the disturbance caused by the lighting, human presence, and noise associated with the surrounding development, in addition to the existing baseline noise and activity from Highway 12 vehicular traffic and TAFB air and vehicular traffic.

In summary, the construction and development associated with the Suisun Logistics Center would not increase the activity or presence of birds or other wildlife. Therefore, the project would not present a hazard to TAFB flight operations. We expect the overall wildlife activity on the property to remain at or below current levels, based on our understanding of the planned development and assessment of the existing habitat.



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	Project Boundary
Vegetation Communities	
	Agricultural wheat field/cattle grazing
	Saltgrass/wetland



AECOM, 2021
 Esri Roads, 2016
 Esri Imagery, 2021

FIGURE 1
 Vegetation
 Communities

Attachment A. Site Photographs



Photo 1: Facing west and standing at eastern portion of project. Stormwater retention basin system location. Wheat field to north and upland wetland to south.



Photo 2: Facing west and standing at middle portion of project. Stormwater retention basin system location within middle property. Wheat field to north and upland wetland to south.



Photo 3: Facing east and standing at western portion of project. Stormwater retention basin system location within western property. Wheat field to north and upland wetland to south.



Photo 4: Facing west and standing at western portion of project. Stormwater retention basin system location within western property.



Photo 5: Facing northeast and standing at southeast portion of project within ponded wetland.



Photo 6: Facing north and standing at unnamed drainage that leads to coastal brackish marsh.