WILSON WAREHOUSE PROJECT March 2023

General Biological Resources Assessment

Perris United States Geological Survey 7.5-MinuteTopographic Quadrangle Map

Prepared By



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1.0 INTRODUCTION AND EXECUTIVE SUMMARY

NOREAS Inc. (NOREAS) is pleased to provide this General Biological Resources Assessment for the Wilson Warehouse Project (hereafter referred to as the "Project"). The Project Site is located within the City of Perris California, north of Placentia Avenue and west of Wilson Avenue (Assessor's Parcel Number [APN] 300-210-017, -025) (Figures 1 and 2). This document details the methods and results of baseline biological resources surveys and habitat assessments for the Project Site. The intended use of this document is to disclose and evaluate the Project Site's biological conditions, and determine the potential for occurrence of common and special-status species¹ - and their habitats. For the purposes of this document, the "study area" includes the Project Site's proposed ground disturbance footprint and a buffer (Figure 2). Additionally, the Project Site is located within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP), within the Mead Valley Area Plan and the San Jacinto Habitat Management Unit. The Project Site is not within the boundaries of any MSHCP established Subunit, Cell Group, Criteria Cell, Public/Quasi-Public Land, Linkages/Cores, Conserved Lands, or Regional Conservation Authority (RCA) Easements. With that said, a detailed MSHCP Consistency Analysis Report will be provided under a separate cover.

During pedestrian surveys in 2022, it was determined that greater than 99% of the Project Site was comprised of developed, disturbed and/or non-native land cover types. To that end, the Project Site is not collocated with any United States Fish and Wildlife Service (USFWS) designated critical habitat, nor were any special status species detected during the 2022 field surveys. No nesting birds, remnant raptor nests, or bat guano were detected within the Project Site either.

The Project Site's developed and disturbed land cover has substantially decreased its value as suitable breeding / nesting and foraging habitat for native species. Furthermore, the Project Site has limited – if any, value as a low quality migration corridor or overland dispersal habitat for wildlife, because it is severely movement constrained by the surrounding residential, industrial and commercial developments, and public infrastructure. Nonetheless, the substantive habitat requirements needed to support the Burrowing Owl (*Athene cunicularia*) were observed within the Project Site. Burrowing Owl are of limited distribution - or occur infrequently, throughout California, and their status is therefore monitored by resource agencies². The Burrowing Owl is not a Federal and/or State listed species. Therefore, measures are recommended for implementation during the construction of the Project as a means of avoiding and minimizing adverse effects to Burrowing Owl and other biological resources that have a reasonable presumption of occurrence within the Project Site, and on adjacent lands.

² This species could be important locally with deference to preparation of environmental documents relating to the California Environmental Quality Act (CEQA) - based on CEQA Guidelines §15125 (c), and/or §15380.



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¹ For the purposes of this analysis, "special-status species" refers to any species that has been afforded special protection by federal, state, or local resource agencies (e.g., U.S. Fish and Wildlife Service [USFWS], California Department of Fish and Wildlife [CDFW]) or resource conservation organizations (e.g., California Native Plant Society [CNPS], Western Riverside County Regional Conservation Authority [RCA], etc.). The term "special-status species" excludes those avian species solely identified under Section 10 of the Migratory Bird Treaty Act (MBTA) for federal protection. Nonetheless, MBTA Section 10 protected species are afforded avoidance and minimization protections per state and federal requirements.

2.0 PROJECT AND PROPERTY DESCRIPTION

For the purposes of this document, the "study area" includes the Project's proposed ground disturbance footprint (Project Site) and a buffer (Figure 2). The Project Site can be found on the Perris United States Geological Survey (USGS) 7.5-MinuteTopographic Quadrangle Map (USGS 1981). The Project involves the construction of an industrial warehouse building and associated landscaping, parking, and drive aisles with vehicular parking stalls. Truck dock positions would be provided with trailer parking stalls in a distinct truck court as well.



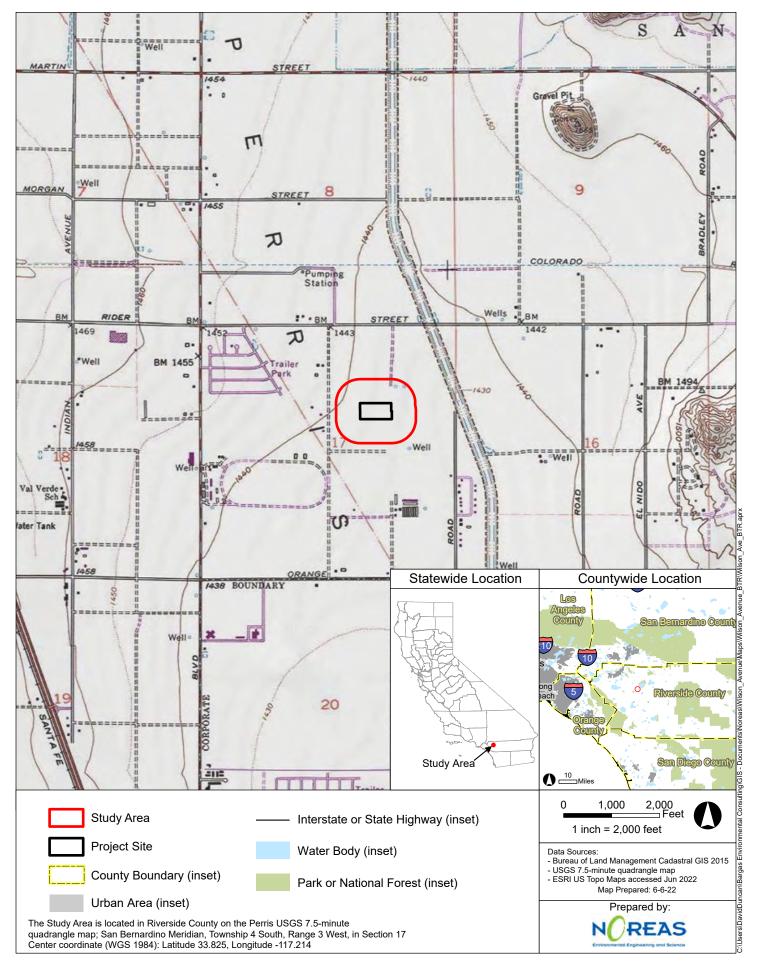


Figure 1. Regional Location



Figure 2. Site Vicinity

3.0 FOCUSED STUDY/SPECIES OF CONCERN

Prior to beginning field surveys, resource specialists were consulted and available information from resource management plans, databases and relevant documents were reviewed to determine the locations and types of biological resources³ that have the potential to exist within - and adjacent to the study area. Biological resources were evaluated within several miles of the Project Site.

The materials reviewed included - but were not limited to, the following:

- ✓ US Fish and Wildlife Service (USFWS) Critical Habitat Mapper and File Data (USFWS 2022a);
- ✓ USFWS Riverside County Field Office Species List (USFWS 2022b);
- ✓ USFWS National Wetlands Inventory database (USFWS 2022c);
- ✓ Regional South Coast Missing Linkages Project Report (South Coast Wildlands 2008);
- ✓ California Natural Diversity Database maintained by the California Department of Fish and Wildlife (CDFW) (CDFW 2022);
- ✓ Natural Resource Conservation Service, Soil Survey Geographic Database (SSURGO) (USDA-NRCS 2022a);
- ✓ California Native Plant Society (CNPS) Electronic Inventory (CNPS 2022);
- ✓ MSHCP Transportation and Land Management Agency Geographic Information Services Database (GISD 2022);
- ✓ Regional Conservation Authority GIS Data Mapping Tool (RCA 2022, https://www.wrc-rca.org/rcamaps/);
- ✓ Western Riverside County Multiple Species Habitat Conservation Plan (Dudek 2003); and
- ✓ Aerial Photographs (Microsoft Corporation 2022).

³ For the purposes of this analysis, "biological resources" refers to the plants, wildlife, and habitats that occur, or have the potential to occur, within the study area.



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4.0 METHODS

To support the analysis detailed within Section 3.0 above, pedestrian-based field surveys were performed to assess land cover, general and dominant vegetation communities, habitat types, and species present within communities. Community descriptions were based on observed dominant vegetation composition, and derived from the criteria and definitions of widely accepted vegetation classification systems (Holland 1986 and Sawyer et al. 2009).

Plants were identified to the lowest taxonomic level sufficient to determine whether the species observed were non-native, native, or special-status. Plants of uncertain identity were subsequently identified from taxonomic keys (Baldwin et al. 2012). Scientific and common species names were recorded according to Baldwin et al. (2012). The presence of a wildlife species was based on direct observation and/or detection of wildlife sign (e.g., tracks, burrows, nests, scat, skeletal remains or vocalization). Field data compiled for wildlife species included scientific name, and common name. Wildlife of uncertain identity were documented and subsequently identified from specialized field guides and related literature (Burt and Grossenheider 1980; Halfpenny 2000; Sibley 2000; Elbroch 2003 and Stebbins 2003).

Additionally, the Project Site was assessed for its potential to support special-status species based on habitat⁴ suitability comparisons with reported occupied habitats (Appendix A). The following potential for occurrence definitions were utilized within Appendix A:

- Absent [A] Species distribution is restricted by substantive habitat requirements which do not
 occur or are negligible within the Project Site, and no further survey or study is necessary to
 determine likely presence or absence of this species.
- Habitat Present [HP] Species distribution is restricted by substantive habitat requirements
 which occur within the Project Site, and further study may be necessary to determine likely
 presence or absence of species.
- **Present [P]** Species or species sign were observed within the Project Site, or historically has been documented within Project limits.
- Critical Habitat [CH] The Project Site is located within a USFWS-designated critical habitat unit.

4.1 Evaluation of Wetlands and Waterways

Based on the aforementioned review of commercially available literature and habitat assessments, the presence and/or absence of surface water conveyance features, riparian plant communities, riverine land cover types and wetlands - including vernal pools, was evaluated within the Project Site. Potential features were identified based on professional judgement, aerial photographic signatures, and the presence of a well-defined ordinary high water mark, bed, bank, channel, and/or the limits of riparian habitat in the field; with deference to vegetation, soils, and observed hydrology.

⁴ A "habitat" is defined as the place or type of locale where a plant or animal naturally or normally lives and grows.



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5.0 GENERAL BIOLOGICAL SURVEY RESULTS

Weather conditions during the May 2022 surveys included clear skies, temperatures ranging from 67–74 °F, and winds fluctuating from 0 to 10 miles per hour (mph). Representative photos of the study area are provided in Appendix B.

5.1 Vegetation Communities and Land Cover Types

Three land cover types were observed within the study area: Disturbed/Developed, Ruderal and Nonnative Grassland (Figure 3). These types are described below.

Developed/Disturbed

Disturbed/Developed lands within the study area include locales that have been developed, paved, cleared, graded, or otherwise altered by anthropogenic activities (i.e., industrial warehouses, access roads, concrete pads, ornamental landscaping, industrial facilities, storage yards, commercial enterprises, etc.). Common non-native plants species detected within this type included ripgut brome (*Bromus diandrus*), Sahara mustard (*Brassica Tournefortii*) and Schismus (*Schismus barbatus*).

Ruderal

The ruderal vegetation community includes locales that have been subject to recent grading, clearing, or other physical human modification of soils and/or vegetation. These lands also include areas with exposed soils with minimal vegetation, and moderate cover by various non-native annual grasses, and weeds (adapted for growth on substrates subject to disturbance). Common non-native plants species detected within this type included Maltese star-thistle (*Centaurea melitensis*), stinknet (*Oncosiphon piluliferum*), and cheeseweed (*Malva neglecta*).

Non-Native Grassland

The non-native grassland vegetation community is characterized by a dominance of nonnative grasses and forbs. Dominant plant species found in this community include black mustard (*Brassica nigra*), ripgut brome, Redstem stork's bill (*Erodium cicutarium*), Maltese star-thistle and other non-native forbs. This vegetation community also includes negligible numbers of scattered native forbs such as fiddleneck (*Amsinckia menziesii*).

5.2 Wildlife

Wildlife species observed within the study area consisted of commonly-occurring species - including, but not limited to, rock pigeon (*Columba livia*), Red-tailed hawk (*Buteo jamaicensis*) common raven (*Corvus corax*), and Side-blotched Lizard (*Uta stansburiana*). Wildlife detected during the surveys are identified in Appendix D.

5.3 Special-Status Plants

No Federal or State listed plant species were observed within the study area during the 2022 field surveys. Nonetheless, several have been documented within 10 miles (Figure 4). The study area includes no USFWS-designated critical habitat for plants (Figure 5), and the Project Site does not include the substantive habitat requirements necessary to support special-status flora. Special-status species known to occur within 10 miles of the Project Site and their potential for occurrence within the Project Site are detailed within Appendix A. Plant species observed during the surveys are listed in Appendix C.

5.4 Special-Status Wildlife

No special status wildlife species were observed within the study area during the 2022 field survey events. The study area includes no USFWS-designated critical habitat for wildlife (Figure 5). Special-



status species known to occur within 10 miles of the Project Site and their potential for occurrence within the Project Site are detailed within Appendix A and Figure 4. The substantive habitat requirements needed to support the Burrowing Owl were observed within portions of the Project Site. The Burrowing Owl is not a Federal and/or State listed species, but they are of limited distribution and/or occur infrequently throughout California. Wildlife species detected during the surveys are listed in Appendix D.

5.5 Wetlands and Waterways

The literature review and field survey data implies it is appropriate to characterize the Project Site as an upland, since no riparian or riverine habitats - or obvious indicators of well-defined water conveyance bed, bank or channel were detected. The topography suggests that the Project Site lacks waters which are typically subject to Clean Water Act, or Fish and Game Code Section 1600 jurisdiction. Furthermore, the National Wetland Inventory has no records of special aquatic resources within the Project Site (Figure 6).



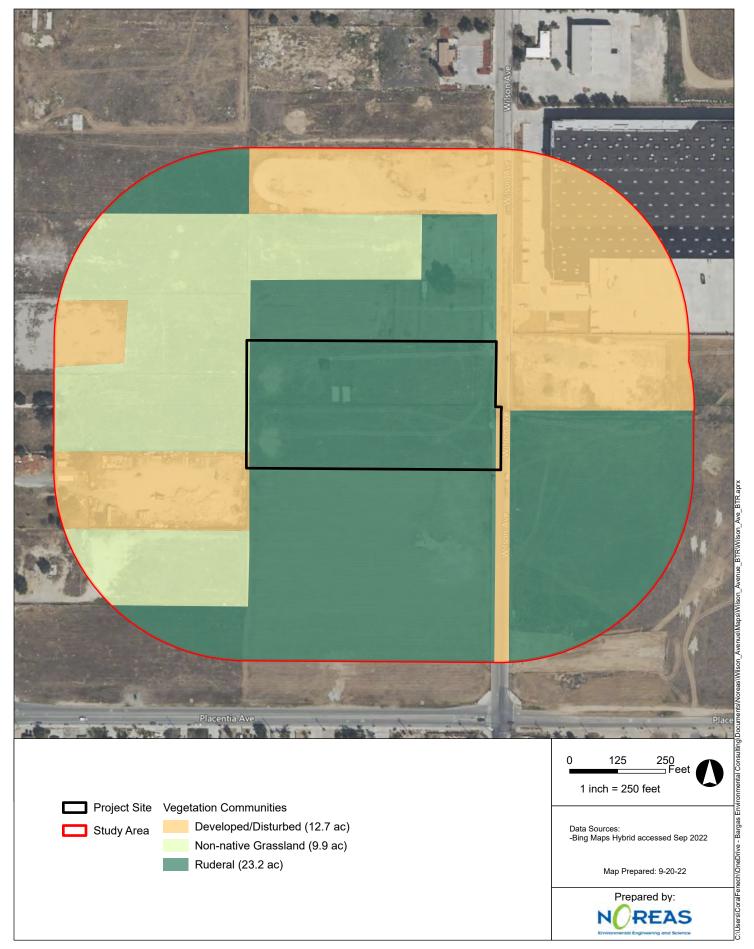


Figure 3. Vegetation Communities and Land Cover Types

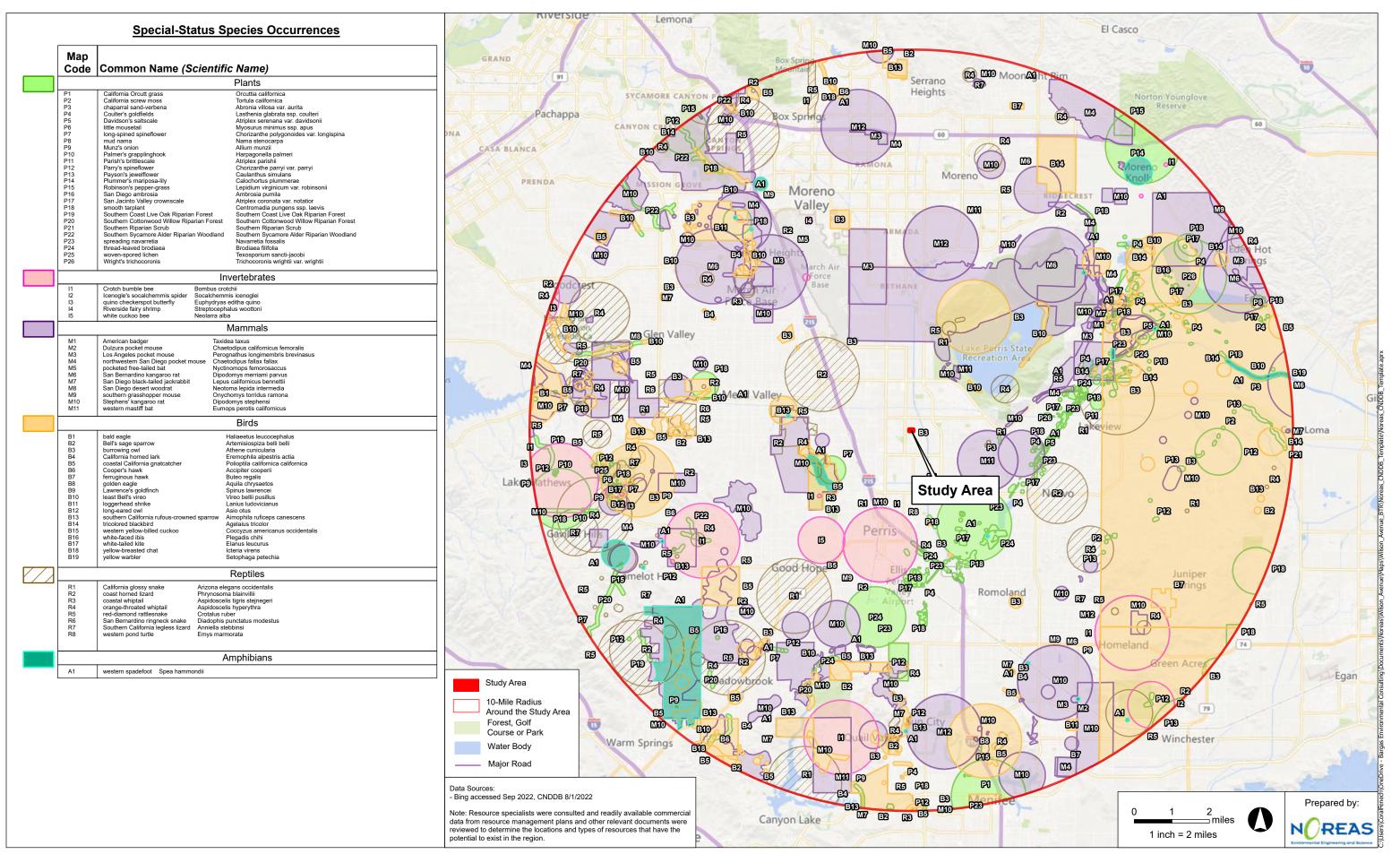


Figure 4. Literature Review

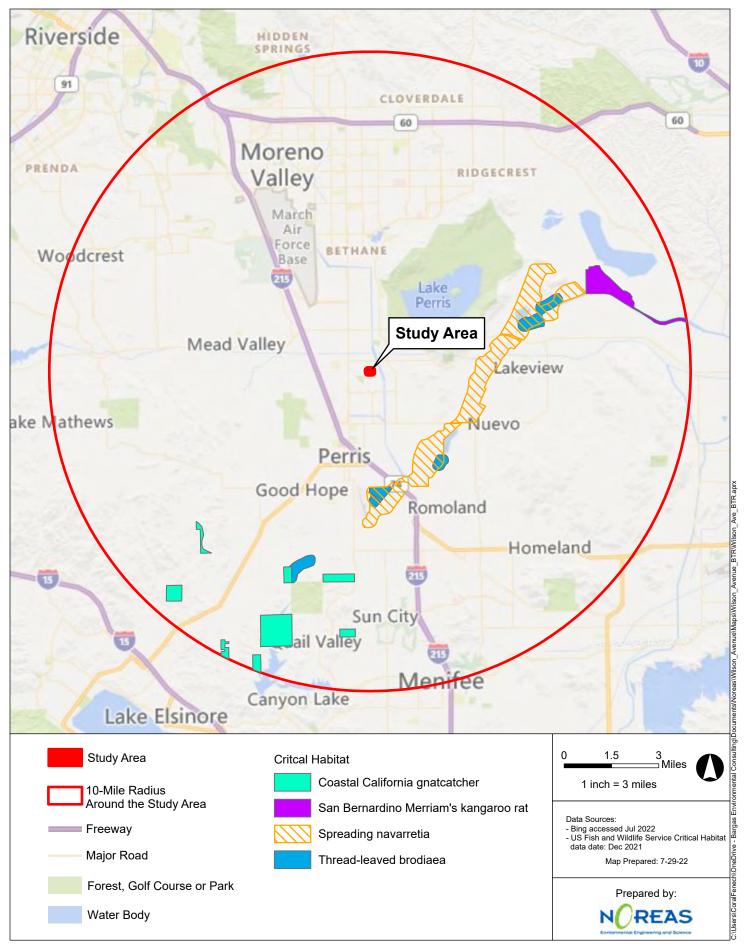


Figure 5. Critical Habitat

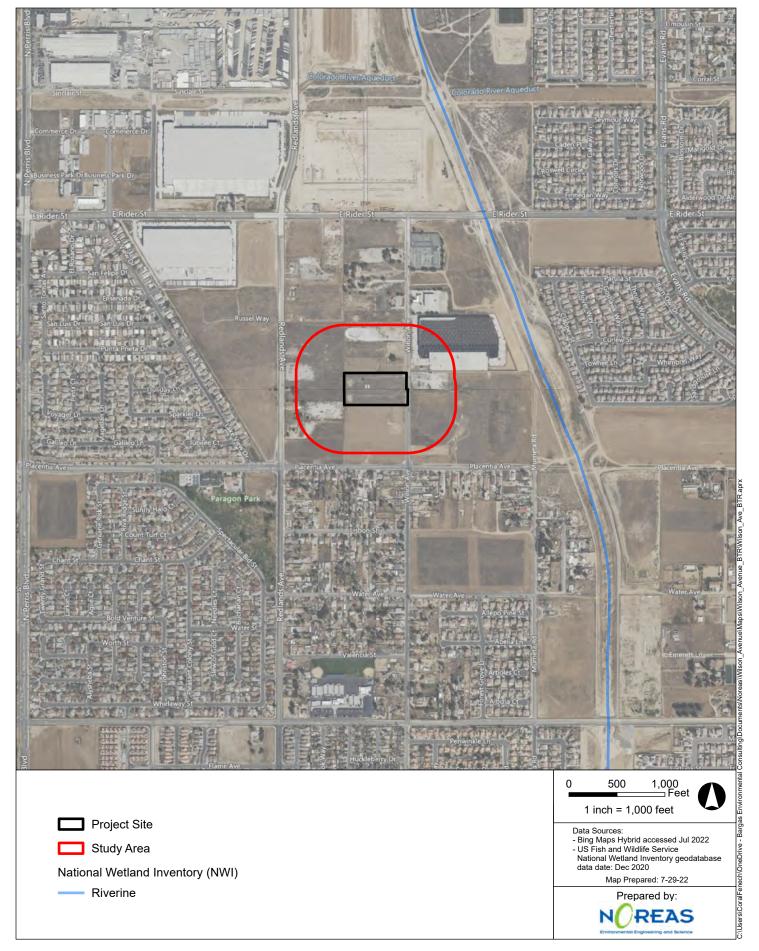


Figure 6. National Wetland Inventory

6.0 CONCLUSION AND RECOMMENDATIONS

In 2022, it was determined that greater than 99% of the Project Site was comprised of developed, disturbed and/or non-native habitats. Additionally, the Project Site is not collocated with any USFWS designated critical habitat, nor were any special status species detected during the 2022 field surveys. No nesting birds, remnant raptor nests, or bat guano were detected within the Project Site either. The Project Site's developed and disturbed land cover has substantially decreased its value as suitable breeding / nesting, and foraging habitat for native species as well. Furthermore, the Project Site has limited – if any, value as a low quality migration corridor or overland dispersal habitat for wildlife, because it is severely movement constrained by the surrounding residential, industrial and commercial developments, and public infrastructure.

However, the substantive habitat requirements needed to support Burrowing Owl were observed within portions of the Project Site. With regard to the Burrowing Owl, it is not a Federal and/or State listed species, but it is of limited distribution and/or occurs infrequently throughout California. Therefore, their status is monitored by resource agencies. As such, measures are recommended for implementation during the Project as a means of avoiding and minimizing adverse effects to Burrowing Owl and other biological resources that have a reasonable presumption of occurrence within the Project Site, and on adjacent lands.

The following are recommended for implementation during the Project:

- Training of all field staff on applicable or relevant and appropriate local, state, and federal regulatory agency requirements, environmental laws, and regulations associated with working within special status species habitats and biological resources.
- No personnel working within Project limits will "take" or destroy plants, animals, or active nests (or eggs) of birds that are protected under the Federal or State Endangered Species Acts and Migratory Bird Treaty Act (MBTA)
- In order to comply with Section 10 of the Migratory Bird Treaty Act and relevant sections of the California Fish and Game Code, any necessary vegetation clearing should take place outside of the typical avian nesting season (e.g., March 15th until September 1st).
 - If work needs to take place between March 15th and September 1st, a pre activity clearance survey for nesting birds should be completed prior to the onset of ground disturbance.
 - An activity exclusion buffer zone around occupied nests should be maintained during physical ground disturbing undertakings. Once nesting has ended, the buffer may be removed.
- No more than 72 hours prior to initiation of ground-disturbing activities, a pre-construction clearance survey should be completed by a professional biologist. The survey will identify (if any) special status species (e.g., Burrowing Owl) are present within locales proposed for disturbance within the Project Site. In the event no special status species are identified within the limits of disturbance, no further action is required.
 - o If special status species are determined to occupy the Project Site within an area proposed for disturbance, no Project activity shall take place within 300 feet of the species, the location will be flagged for avoidance until the resource is no longer present, delineated on maps, photographed, and reported to the appropriate resource agency to determine how to proceed.



With the implementation of the measures recommended herein, there would be no presumption that the Project would result in the loss of individual species, nor that it would adversely affect local or regional populations of them.



7.0 CERTIFICATION

I hereby certify that the statements furnished above and in the attached figures present the data and information required for this resource assessment, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief. Field work conducted for this investigation was performed by me and under my direct supervision. I certify that I have not signed a nondisclosure or consultant confidentiality agreement with Lake Creek Industrial LLC Planning and Environmental representatives, and that I have no financial interest in the Project. The services performed and documented in this report have been conducted in a manner consistent with the level of care and skill ordinarily exercised by other professional consultants under similar circumstances. No other representations are either expressed or implied and no warranty or guarantee is included or intended in this report.

DATE: March 06, 2023

SIGNED:

Lincoln Hulse

The following NOREAS employees performed the field work and/or participated in preparation of this report: Lenny Malo MS, Lincoln Hulse BS, Vir McCoy BS, and Erin Serra BS.

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APPENDIX A SPECIAL-STATUS SPECIES POTENTIAL FOR OCCURRENCE WITHIN THE PROJECT SITE



Potential for occurrence	Common name (Scientific name)	Federal listing status	State listing status	CNPS list	Number of records within 10 miles	Year(s) sighted
HP	Burrowing owl (Athene cunicularia)	None	None	-	65	1980-2017
Α	California horned lark (Eremophila alpestris actia)	None	None	-	8	1992-2015
Α	Stephens' kangaroo rat (Dipodomys stephensi)	Threatened	Threatened	-	80	1923-2011
Α	Western mastiff bat (Eumops perotis californicus)	None	None	-	5	1957-2001
Α	Smooth tarplant (Centromadia pungens ssp. laevis)	None	None	1B.1	42	1969
Α	Coast horned lizard (Phrynosoma blainvillii)	None	None	-	18	1929
Α	Least Bell's vireo Vireo (bellii pusillus)	Endangered	Endangered	-	21	2007-2015
А	Long-spined spineflower (Chorizanthe polygonoides var. longispina)	None	None	1B.2	7	1980-2015
Α	California glossy snake (Arizona elegans occidentalis)	None	None	-	9	1929-2016
Α	Parish's brittlescale (Atriplex parishii)	None	None	1B.1	2	1999
Α	Orange-throated whiptail (Aspidoscelis hyperythra)	None	None	-	33	1918-2005
Α	Crotch bumble bee (Bombus crotchii)	None	None	-	9	1938-2020
Α	Western pond turtle (Emys marmorata)	None	None	-	1	1987
А	Southern grasshopper mouse (Onychomys torridus ramona)	None	None	-	4	1908-1938
А	Southern California rufous-crowned sparrow (Aimophila ruficeps canescens)	None	None	-	13	1992-2011
А	Coastal California gnatcatcher (Polioptila californica californica)	Threatened	None	-	33	1980-2015
Α	Chaparral sand-verbena (Abronia villosa var. aurita)	None	None	1B.1	2	2004-2014
Α	Western spadefoot (Spea hammondii)	None	None	-	33	1958-2019
Α	Coastal whiptail (Aspidoscelis tigris stejnegeri)	None	None	-	3	1993-2001
А	San Jacinto Valley crownscale (Atriplex coronata var. notatior)	Endangered	None	1B.1	13	2000-2015
Α	Red-diamond rattlesnake (Crotalus ruber)	None	None	-	29	1923
Α	Spreading navarretia (Navarretia fossalis)	Threatened	None	1B.1	12	1995-2020
А	White cuckoo bee (Neolarra alba)	None	None	-	1	1938
Α	Coulter's goldfields (Lasthenia glabrata ssp. coulteri)	None	None	1B.1	20	2000-2017
Α	Thread-leaved brodiaea (Brodiaea filifolia)	Threatened	Endangered	1B.1	8	2000-2017
А	Northwestern San Diego pocket mouse (Chaetodipus fallax fallax)	None	None	-	13	1992-2017
А	Los Angeles pocket mouse (Perognathus longimembris brevinasus)	None	None	-	8	1940-2016
A	Wright's trichocoronis (Trichocoronis wrightii var.	None	None	2B.1	4	1937-2011



Potential for occurrence	Common name (Scientific name)	Federal listing status	State listing status	CNPS list	Number of records within 10 miles	Year(s) sighted
	wrightii)					
Α	Davidson's saltscale (Atriplex serenana var. davidsonii)	None	None	1B.2	7	1991-2013
Α	Western yellow bat (Lasiurus xanthinus)	None	None	-	4	1981-1992
Α	Pocketed free-tailed bat (Nyctinomops femorosaccus)	None	None	-	1	1985
А	San Bernardino kangaroo rat (Dipodomys merriami parvus)	Endangered	Candidate Endangered	-	6	1908-1957
Α	Riverside fairy shrimp (Streptocephalus woottoni)	Endangered	None	-	2	2009
Α	Tricolored blackbird (Agelaius tricolor)	None	Threatened	-	13	2011-2015
А	San Bernardino ringneck snake (Diadophis punctatus modestus)	None	None	-	1	2000
Α	American badger (Taxidea taxus)	None	None	-	2	1990
Α	Parry's spineflower (Chorizanthe parryi var. parryi)	None	None	1B.1	13	1936-2012
Α	Payson's jewelflower (Caulanthus simulans)	None	None	4.2	7	1902-1982
А	San Diego black-tailed jackrabbit (Lepus californicus bennettii)	None	None	-	8	1998-2015
Α	Bell's sage sparrow (Artemisiospiza belli belli)	None	None	-	7	1998-2002
Α	California screw moss (Tortula californica)	None	None	1B.2	2	2012-2013
А	Loggerhead shrike (Lanius Iudovicianus)	None	None	-	2	1994-2007
А	Southern Sycamore Alder Riparian Woodland (Southern Sycamore Alder Riparian Woodland)	None	None	-	6	1980-1985
Α	Southern California legless lizard (Anniella stebbinsi)	None	None	-	13	1967-2018
Α	Cooper's hawk (Accipiter cooperii)	None	None	-	3	1983-2001
Α	Munz's onion (Allium munzii)	Endangered	Threatened	1B.1	6	1897-2016
Α	White-faced ibis (Plegadis chihi)	None	None	-	1	1993
А	Southern Cottonwood Willow Riparian Forest (Southern Cottonwood Willow Riparian Forest)	None	None	-	5	1980
Α	San Diego ambrosia (Ambrosia pumila)	Endangered	None	1B.1	1	2009
А	Golden eagle (Aquila chrysaetos)	None	None	-	1	1974
А	Long-eared owl (Asio otus)	None	None	-	2	1983
А	San Diego desert woodrat (Neotoma lepida intermedia)	None	None	-	1	1999
А	Ferruginous hawk (Buteo regalis)	None	None	-	3	1989-2008
А	Quino checkerspot butterfly (Euphydryas editha quino)	Endangered	None	-	4	1945 - 1998
А	Palmer's grapplinghook (Harpagonella palmeri)	None	None	4.2	3	1986-1990
Α	Little mousetail (Myosurus minimus ssp. apus)	None	None	3.1	1	1981



Potential for occurrence	Common name (Scientific name)	Federal listing status	State listing status	CNPS list	Number of records within 10 miles	Year(s) sighted
А	White-tailed kite (Elanus leucurus)	None	None	-	1	1983
Α	Round-leaved filaree (California macrophylla)	None	None	2.2	2	1987
А	Southern Coast Live Oak Riparian Forest (Southern Coast Live Oak Riparian Forest)	None	None	-	3	1980
А	Woven-spored lichen (Texosporium sancti-jacobi)	None	None	3	1	2002
А	Dulzura pocket mouse (Chaetodipus californicus femoralis)	None	None	-	1	1993
А	Robinson's pepper-grass (Lepidium virginicum var. robinsonii)	None	None	4.3	4	1962-2008
Α	Yellow warbler (Setophaga petechia)	None	None	-	1	2014
Α	Plummer's mariposa-lily (Calochortus plummerae)	None	None	4.2	1	1989
Α	Southern Riparian Scrub (Southern Riparian Scrub)	None	None	-	1	1980
Α	California Orcutt grass (Orcuttia californica)	Endangered	Endangered	1B.1	1	1941
А	Icenogle's socalchemmis spider (Socalchemmis icenoglei)	None	None	-	1	1997
Α	Lawrence's goldfinch (Spinus lawrencei)	None	None	-	1	2001
А	Western yellow-billed cuckoo (Coccyzus americanus occidentalis)	Threatened	Endangered		1	2001
А	Yellow-breasted chat (Icteria virens)	None	None	-	2	2001-2015
Α	Bald eagle (Haliaeetus leucocephalus)	Delisted	Endangered	-	4	1975-1981
А	Mud nama (Nama stenocarpa)	None	None	2B.2	1	2010

CNPS List Definitions

List 1A: Plants presumed extinct in California

List 1B.1: Plants rare, threatened, or endangered in California and elsewhere; seriously threatened in California

List 1B.2: Plants rare, threatened, or endangered in California and elsewhere, fairly threatened in California

List 1B.3: Plants rare, threatened, or endangered in California and elsewhere, not very threatened in California

List 2.1: Plants rare, threatened, or endangered in California, but more common elsewhere; seriously threatened in California

List 2.2: Plants rare, threatened, or endangered in California, but more common elsewhere; fairly threatened in California

Potential for Occurrence Definitions

Absent [A] – Species distribution is restricted by substantive habitat requirements, which do not occur – or are negligible within the Project Site, and no further survey or study is obligatory to determine likely presence or absence of this species.

Habitat Present [HP] – Species distribution is restricted by substantive habitat requirements, which occur within the Project Site, and further survey or study may be necessary to determine likely presence or absence of species.

Present [P] – Species or species sign were observed within the Project Site, or historically has been documented within Project limits

Critical Habitat [CH] – The Project Site is located within a USFWS-designated critical habitat unit.



APPENDIX B PHOTOGRAPH LOG





Photograph 1. Facing West.



Photograph 2. Facing South.





Photograph 3. Facing East.



Photograph 4. Facing North.



APPENDIX C PLANT SPECIES OBSERVED WITHIN THE STUDY AREA



Scientific Name	Common Name					
Anacardiaceae	(Cashew family)					
Schinus molle*	Peruvian pepper					
Asteraceae (Aster family)						
Centaurea melitensis*	Maltese star-thistle					
Conyza canadensis	Horseweed					
Helianthus californicus	Sunflower					
Heterotheca grandiflora	Telegraphweed					
Lactuca serriola *	Prickly lettuce					
Oncosiphon piluliferum*	Stinknet					
Boraginaceae (Forget-me-not family)						
Amsinckia menziesii	Fiddleneck					
Brassicaceae (I	Mustard family)					
Brassica nigra	Black mustard					
Brassica Tournefortii*	Sahara mustard					
Lepidium latifolium*	Pepper weed					
Sisymbrium irio *	London rocket					
Chenopodiaceae (Chenopodiaceae (Goosefoot family)					
Atriplex canescens	Fourwing saltbush					
Salsola tragus*	Prickly Russian thistle					
Geraniaceae (Geranium family)						
Erodium cicutarium*	Redstem stork's bill					
Fabaceae (Pea family)					
Melilotus indicus*	Sourclover					
Parkinsonia florida	Blue palo verde					
Malvaceae (Mallow family)						
Malva neglecta*	Cheeseweed					
Myrtaceae (r	nyrtle family)					
Eucalyptus sp*	Eucalyptus					
Plantaginaceae	(Plantain family)					
Plantago sp.	Narrow leaf plantain					
Poaceae (Grass family)						
Bromus diandrus *	Ripgut brome					
Bromus madritensis subsp. Rubens *	Red brome					
Hordeum marinum subsp. Gussoneanum *	Mediterranean barley					
Schismus barbatus*	Schismus					
Solanaceae (Nig	phtshade family)					
Datura stramonium*	Jimsonweed					

Nomenclature follows the Jepson Manual, Second Edition (Baldwin et al 2011).

^{* =} naturalized, non- native plant species.



APPENDIX D WILDLIFE SPECIES OBSERVED WITHIN THE STUDY AREA



Scientific name	Common name					
Reptiles						
Sceloporus occidentalis	Western fence lizard					
Birds						
Buteo jamaicensis	Red-Tailed Hawk					
Carduelis psaltria	Lesser goldfinch					
Charadrius vociferus	Killdeer					
Sayornis nigrican	Black phoebe					
Euphagus cyanocephalus	Brewer's blackbird					
Sturnus vulgaris	European starling					
Corvus corax	Common Raven					
Carpodacus mexicanus	House Finch					
Zenaida macroura	Mourning Dove					
Columba livia	Rock Pigeon					
Mammals						
Otospermophilus beecheyi	California ground squirrel					

