Appendix CBiological Resources Report



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June 15, 2022 (Revised September 1, 2023)

14324

Vickie Sanders, Parks Manager County of El Dorado, Chief Administrative Office-Parks Division 330 Fair Lane, Placerville, CA 95667

Subject: Biological Resources Assessment for the Diamond Springs Community Park Project in El Dorado County, CA

Dear Ms. Sanders,

Dudek has prepared this Biological Resources Assessment (BRA) for the Diamond Springs Community Park (Proposed Project) located in community of El Dorado in unincorporated El Dorado County (County), California. The purpose of the BRA is to identify and characterize existing onsite biological resources, with particular focus on the potential of the Project site to support special-status plant and wildlife species and other sensitive resources, such as wetlands and other aquatic resources potentially under the regulatory jurisdiction of state and/or federal resource agencies. This assessment also identifies potential constraints to Project implementation posed by the presence or potential presence of sensitive resources, as well as recommendations to minimize and/or avoid impacts to these resources.

1 Project Location

The 39.59-acre Project site (APN 331-400-002 and 331-301-019) is located the unincorporated community of El Dorado, approximately 4 miles southwest of the city of Placerville, El Dorado County, California (Figure 1, Project Location). The Project site is located in the western foothills of the Sierra Nevada Mountains. The area is characterized by gently rolling foothills and low-gradient streams that flow that flow southward towards the Cosumnes River. Elevations on the Project site range from approximately 1,670 to 1,720 feet above mean sea level. The site is situated in Township 9 North, Range 10 East, and Section 1 within the 7.5-minute U.S. Geological Survey (USGS) Placerville quadrangle. The approximate center of the Project site corresponds to 38.6682004 north latitude and -120.833082 west longitude.

2 Project Description

The County is proposing the Proposed Project, an approximate 40-acre community park within the community of El Dorado. Implementation of the Project would allow for development of a vacant and underutilized property within the County. The Project would offer various passive and active recreational amenities to the local community as well as sports clubs, regional sports leagues, and nearby schools. Park elements may include a combination of recreation elements such as basketball courts, ball fields, tennis/sports courts, indoor recreation/gym buildings, as well as natural preserve and trail areas, interpretive/learning areas, open turf, public restrooms, and seating areas. Walking paths, lighting, and landscaping would may also be included as a part of the development, as would a designated parking area.



3 Methods

3.1 Preliminary Site Evaluation

Prior to conducting the survey, Dudek performed a review of pertinent online and literature sources. This consisted of a review of the following online databases and reports: the U.S. Fish and Wildlife Service (USFWS) Information, Planning, and Conservation (IPaC) Trust Resource Report, California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB), and the California Native Plant Society (CNPS) online Inventory of Rare and Endangered Vascular Plants (USFWS 2022a; CDFW 2022a; CNPS 2022a). The IPaC report was based on a query for the Project site. The CNDDB and CNPS databases were queried for the nine USGS 7.5-minute quadrangles containing and immediately surrounding the Project site (*Placerville, Camino, Aukum, Fiddletown, Latrobe, Shingle springs, Coloma, Garden Valley, Slate Mtn.*). Following a review of these resources, Dudek biologists determined the potential for special-status plant and wildlife species to occur onsite. Determinations were based on a review of habitat types, soils, and elevation preferences, as well as the known geographic range and nearest occurrence records of each species. No protocol-level surveys for special-status species were conducted.

For this report, special-status plant and wildlife species are defined as those that are (1) listed, proposed for listing, or candidates for listing as Threatened or Endangered under the federal Endangered Species Act; (2) listed or candidates for listing as Threatened or Endangered under the California Endangered Species Act; (3) a state fully-protected species; (4) a CDFW Species of Special Concern; or (5) a species listed on the CNPS Inventory of Rare and Endangered Plants with a California Rare Plant Rank (CRPR) of 1 or 2.

3.2 Field Surveys

3.2.1 Biological Field Survey

Dudek biologists Laura Burris and Lorna Haworth performed a biological field survey of the Project site on April 28, 2022. The survey was conducted on foot to visually cover the entire Project site. Representative site photographs of the Project site are included in Attachment A.

All plant species encountered were identified to the lowest taxonomic level needed to determine rarity. Those species that could not be immediately identified were brought into the laboratory for further investigation. Latin names follow the Jepson Interchange List of Currently Accepted Names of Native and Naturalized Plants of California (Jepson Flora Project 2022), and common names follow the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database (USDA 2022a).

Wildlife species detected during the field survey by sight, calls, tracks, scat, or other signs were recorded directly into a field notebook. The site was also scanned with binoculars to aid in the identification of wildlife. A list of plant and wildlife species identified on the Project site during the survey is included in Attachment B.

3.2.2 Aquatic Resources Delineation

Concurrent with the fieldwork on April 28, 2022, Laura Burris performed a preliminary field delineation on April 28, 2022, to identify and map the extent of aquatic resources within or adjacent to the Project site that are potentially subject to regulation under federal Clean Water Act (CWA) Sections 401 and 404, California Fish and Game Code Section 1600, or the provisions of the Porter-Cologne Water Quality Act.

The aquatic resources delineation was reconnaissance in nature and was not conducted to the level of detail required for aquatic resources permitting. Additional investigation will be required if aquatic resources permitting is necessary. Results of the aquatic resources delineation are incorporated into this assessment.

4 Results

4.1 Site Description

The Project site is located in the western foothills of the Sierra Nevada Mountains, in the Cosumnes River watershed. The area is characterized by gently rolling foothills and low-gradient streams that flow that flow southward towards the Cosumnes River. Elevations on the Project site range from approximately 1,670 to 1,720 feet above mean sea level. The Project site is surrounded by residential development and open grassland and oak woodland. The Project site is located in a warm and temperate climate where average annual temperatures range from approximately 32.6°F to 91.4°F, and the average annual precipitation is 43.8 inches. On average, the months with the highest rainfall are December and January, and July has the least precipitation (WRCC 2022).

4.2 Soils

There are six soil mapping units mapped on the Project site: Diamond Springs very fine sandy loam, 9-15% slopes, mixed alluvial land, Sobrante very rocky silt loam, 3-30% slopes, Boomer-Sites loams, 9-15% slopes, Mariposa gravelly silt loam, 3-30% slopes, and Diamond Springs very rocky very fine sandy loam, 3-50% slopes (2022b) (Figure 2, Soil Types). Both the primary and secondary soil series are described below. No exposed serpentine soils or outcrops were observed on the Project site during the field survey. According to Calflora (2022), no serpentine soils are mapped on the Project site; the nearest serpentine soils are mapped near Shingle Springs northwest of the Project site. Soils on the Project site are slightly to moderately acidic (Calflora 2022).

Diamond Springs very fine sandy loam, 9-15% Slopes: This soil unit is dominated by the Diamond Springs series which consists of well drained soils formed from fine grained metamorphosed acid igneous and rhyolitic rocks. Diamond Springs series are on gentle to steep slopes in a semiarid climate. None of the soil map unit is classified as hydric (USDA 2022c). This map unit comprises the northwestern portion of the Project site.

Mixed alluvial land: This soil unit contains soils formed in alluvium from mixed sources. Texture ranges from sand to silt. This map unit is associated with Deadman Creek flowing through the eastern portion of the Project site. This soil type is associated with drainages and streams and is considered hydric.

Sobrante very rocky silt loam, 3-30% slopes: This soil unit is dominated by the Sobrante series which consists of moderately deep, well drained soils formed in material weathered from basic igneous and metamorphic rocks.

Sobrante soils are on foothills in moist subhumid climate. None of the soil map unit is classified as hydric (USDA 2022c). This map unit comprises the eastern portion of the Project site.

Boomer-Sites loams, 9-15% slopes: This soil unit is dominated (55%) by the Boomer series which consists of deep and very deep, well drained soils that formed in material weathered from metavolcanic and basic igneous rocks. Boomer soils are on foothills and mountains. The second dominant map unit is the Sites series which consists of deep or very deep, well drained soils formed in material weathered from metabasic and metasedimentary rocks. Sites soils are on summits and backslopes of mountain slopes in Mediterranean climate. None of the soil map unit is classified as hydric (USDA 2022c). This map unit comprises the eastern portion of the Project site.

Mariposa gravelly silt loam, 3-30% slopes: This soil unit is dominated by the Mariposa series which consists of moderately deep, well drained soils formed in material weathered from metasedimentary rocks. Mariposa soils are on mountains in Mediterranean climates. None of the soil map unit is classified as hydric (USDA 2022c). This map unit comprises the southern portion of the Project site.

Diamond Springs very rocky very fine sandy loam, 3-50% slopes: This soil unit is dominated by the Diamond Springs series which consists of well drained soils formed from fine grained metamorphosed acid igneous and rhyolitic rocks. Diamond Springs series are on gentle to steep slopes in a semiarid climate. None of the soil map unit is classified as hydric (USDA 2022c). This map unit comprises the southern portion of the Project site.

4.3 Hydrology

The Project site occurs within the Martinez Creek subwatershed (Hydrologic Unit Code 180400130203), within the greater Cosumnes River Watershed (Figure 3, Hydrologic Setting; CDFW 2022). The Project site is located in the foothills of the western Sierra Nevada Mountains and Deadman Creek flows north to south through the site. Water from the site drains to Deadman Creek and flows south to Martinez Creek, which drains south to the Lower North Fork Cosumnes River which in turn drains southwest to the Sacramento/San Joaquin River Delta.

The Project site contains an intermittent stream (Deadman creek) that flows in a southern direction from the northeast to south boundary of the Project site. There is an ephemeral channel and two drainage ditches from the west to east boundary of the Project site. NHD (USGS 2022) identifies Deadman's creek and NWI (USFWS 2022) identifies both the creek and wetland near the northwest Project area boundary. These datasets are mapping at a coarse scale, providing reconnaissance-level data on the presence, location, and size of waters.

4.4 Vegetation Communities and Land Cover Types

Land cover in the Project site consist of natural vegetation communities. The vegetation communities and land covers have been adapted from the Manual of California Vegetation, Online Edition (CNPS 2022). The following vegetation communities and land cover types were documented in the Project site and are described in further detail below: Baltic and Mexican rush marsh, interior live oak woodland and forest, blue oak woodland and forest, and wild oats and annual brome grassland (Figure 4, Vegetation Communities and Land Cover Types). A total of 131 species of native or naturalized plants, 80 native (61%) and 51 non-native (39%), was recorded in the Project site during the field delineation (see Attachment B).



Table 1. Vegetation Communities Mapped on the Project Site

Abbreviation	Vegetation Community/ Land Cover Type	Vegetation Alliance and CDFW Alliance Code	Sensitive? (Y/N)	Acreage
Vegetation Co	ommunities			
Herbaceous				
BGA	Wild Oats and Annual Brome Grasslands	Wild Oats and Annual Brome Grasslands (Avena spp.) Bromus diandrus Association; 42.026.11	No	5.31
BR-FS	Baltic and Mexican Rush Marshes	Baltic and Mexican Rush Marshes (Juncus arcticus var. balticus) Carex pergracilis Association; 45.562.04	No	1.74
Woodland				
MOW	Mixed Oak Woodland	Mixed oak – Pinus Sabiniana/grass Association; 71.100.07	No	12.10
ILO-GP	Interior Live Oak – Gray Pine Woodland and Forest	Interior Live Oak – Shreve Oak Woodland and Forest (<i>Quercus wislizeni</i>) <i>Pinus</i> sabiniana/annual grass – herb Association; 71.080.42	No	6.47
BOW	Blue Oak Woodland and Forest	Quercus douglasii/Mixed herbaceious; 71.020.05 Association; 71.020.11	No	7.96
BO-VO	Blue Oak – Valley Oak Woodland	Blue oak woodland and forest (<i>Quercus douglasii</i>) <i>Quercus lobata</i> Association; 71.020.11	Yes	5.01
Land Cover				
DEV	Developed	NA	No	0.58
			Total:	38.59

Notes: Totals may not sum due to rounding. NA: not applicable. State (S) ranks of 1-3 are considered highly imperiled by CDFW (2021a). Global (G) ranks are as follows: GX – eliminated; GH – presumed eliminated; G1 – critically imperiled; G2 – imperiled; G3 – vulnerable; G4 – apparently secure; G5 – secure.

4.4.1 Wild Oats and Annual Brome Grassland

Wild oats and annual brome grassland occurs in the southern end of the Project site. Great brome (*Bromus diandrus*) is dominant in the herbaceous layer with other mixed grasses and herbs including soft chess (*Bromus hordeaceus*), wild oats (*Avena barbata*), California poppy (*Eschscholzia californica*), sky lupine (*Lupinus nanus*), and yarrow (*Achillea millefolium*).

4.4.2 Baltic and Mexican Rush Marsh

Baltic and Mexican rush marsh occurs in two wetted meadows in the northwestern and south-central areas of the Project site. Baltic rush (*Juncus arcticus var. balticus*) is dominant or co-dominant with clustered field sedge (*Carex praegracilis*) in the herbaceous layer along with saturated soils.

4.4.3 Mixed Oak Woodland and Forest

Mixed oak woodland and forest occurs in the north and central areas of the Project site. Interior live oak (*Quercus wislizenii*) is dominant or co-dominant in the tree canopy with other species present including blue oak (*Quercus douglasii*), foothill pine (*pinus sabiniana*), California black oak (*Quercus kelloggii*), and valley oak (*Quercus lobata*). The herbaceous layer is dominated by non-native annual grass species similar to those found in the wild oats and annual brome grassland described above.

4.4.4 Interior Live Oak - Gray Pine Woodland and Forest

Interior live oak – Shreve oak woodland and forest occurs in the northern area of the Project site. Interior live oak (*Quercus wislizeni*) is dominant or co-dominant in the tree canopy with other species present including foothill pine (*Pinus sabiniana*). The shrub layer is intermittent and comprised of Himalayan blackberry (*Rubus armeniacus*), common manzanita (*Arctostaphylos manzanita*), buckbrush (*Ceanothus cuneatus*), and poison oak (*Toxicodendron diversilobum*). The herbaceous layer is dominated by non-native annual grass species similar to those found in the wild oats and annual brome grassland described above.

4.4.5 Blue Oak Woodland and Forest

Blue oak woodland and forest occurs in the southwestern areas of the Project site. Blue oak (*Quercus douglasii*) is dominant or co-dominant in the tree canopy with other species present including valley oak (*Quercus lobata*), interior live oak (*Quercus wislizeni*), and foothill pine (*pinus sabiniana*). The tree canopy is not densely vegetated and resembles more of a savannah than woodland or forest. The herbaceous layer is dominated by non-native annual grass species.

4.4.6 Blue Oak - Valley Oak Woodland and Forest

Blue oak and valley oak woodland and forest occurs in the eastern area of the Project site, surrounding Deadman creek. Blue oak (*Quercus douglasii*) is dominant or co-dominant in the tree canopy with other species present including valley oak (*Quercus lobata*). Breaks in the tree canopy intermittently include Himalayan blackberry (*Rubus armeniacus*) in the shrub layer. The herbaceous layer is dominated by non-native annual grass species.

4.5 Aquatic Resources

During the field delineation, Dudek mapped approximately 1.93 acres of aquatic resources anticipated to meet the criteria to be considered jurisdictional aquatic resources under federal and/or state jurisdiction (Figure 5, Aquatic Resources). These resources are listed in Table 2 below and are described in more detail further below. Findings with regard to federal jurisdiction are preliminary until verified by the Sacramento District of the U.S. Army Corps of Engineers (USACE).



Table 2. Aquatic Resources Mapped on the Project Site

Feature ID	Cowardin Code ¹	Acres ²		Linear Feet
Non-Wetland Waters				
Deadman Creek	R4	0.05		1,223.36
Ephemeral Drainage (ED-01)	R6	0.02		357.68
Drainage Ditch (D-01)	R6	<0.01		59.71
Drainage Ditch (D-02	R6	<0.01		92.41
		Total Non-Wetland Waters	0.08	1,732.85
Wetlands		·		
Freshwater Emergent Wetland (FEW-01)	PEM	0.86		_
Freshwater Emergent Wetland (FEW-02)	PEM	0.90		
Seasonal Wetland (SW-01)	PEM	0.07		_
Seasonal Wetland (SW-02)	PEM	0.02		_
		Total Wetlands	1.85	_
		Total ³	1.93	1,732.82

Source: USFWS 2013.

- R6 = riverine, ephemeral; PEM = Palustrine emergent wetland
- Acreage of the non-wetland waters extend to the ordinary high water mark.
- Minor discrepancies in totals are the result of rounding differences between Excel and ArcMap

4.5.1 Wetlands

4.5.1.1 Freshwater Emergent Wetlands

Two freshwater emergent wetlands (FEW-01 and -02) totaling 1.76 acres occur within the Project site (see Attachment 1, Photo 7). These wetlands correspond to the Baltic and Mexican rush marsh described in Section 4.4.2, and are dominated by Baltic rush and field sedge, both of which are hydrophytic plants. Hydrology in these wetlands was evidenced by saturation and some standing water. Soils were dark with prominent redox features. The westernmost emergent wetland, FEW-01, appears to be fed in part by rainwater runoff from surrounding hills and groundwater due to a shallow water table. FEW-02 is also influenced by a shallow groundwater table associated with Deadman Creek.

4.5.1.2 Seasonal Wetlands

Two seasonal wetlands (SW-01 and -02) totaling 0.09 acre occur within the Project site (see Attachment 1). SW-01 is associated with an offsite drainage ditch that appears to transfer rainwater and irrigation runoff from adjacent parcels south towards Deadman Creek. A culvert under the gravel road in the central part of the Project site empties into SW-01. SW-01 is dominated by hydrophytic vegetation such as Douglas meadowfoam (*Limnanthes douglasii*) and Italian ryegrass (*Festuca perennis*). Hydrology in SW-01 is evidenced by standing water, and hydric soils are dark with prominent redox along pore lining and root channels. Water drains from SW-01 southeast through drainage ditches to FEW-02 and eventually Deadman Creek.

SW-02 is located on a stream terrace east of Deadman Creek. Hydrophytic vegetation in SW-02 includes curly dock (Rumex crispus),

4.5.2 Non-Wetland Waters

4.5.2.1 Deadman Creek

There is one intermittent channel (Deadman Creek) comprising approximately 1,223.36 linear feet (0.05-acre) within the Project site (see Attachment 1). Hydrology of this channel appears to be dependent on several factors: inputs during rain events and runoff from the surrounding uplands, potential input from seeps and high groundwater table, and releases from Patterson Lake, a man-made lake north of the Project site. Deadman Creek flows from the northern Project boundary south and off the Project site. The substrates in the channel vary from sandy and gravelly to cobble and small boulder. There are several small steps in the channel creating pool habitat. The channel ranges from 1 to 4 feet in width through the Project site and becomes more incised and rocky as it travels south. The margin of the channel was dominated by Douglas meadowfoam, Italian ryegrass, Baltic rush, and seep monkeyflower (*Erythrante gutatta*). Evidence of OHWM included a sharp break in slope, changes in the character of soil, destruction of terrestrial vegetation, sediment sorting, bed and bank, and change in plant community and/or cover.

4.5.2.2 Ephemeral Drainage

There is one ephemeral drainage (ED-01) comprising approximately 357.68 linear feet (0.02-acre) within the Project site (see Attachment 1). Hydrology of this channel is dependent on inputs during rain events and runoff from the surrounding uplands, and contains flowing water during, and for a short duration after, precipitation events. ED-01 channels water in a westerly direction towards Deadman Creek; however, the incised channel peters out and water appears to sheet flow from the end of the channel to Deadman Creek. The channel itself was dominated by non-native upland grasses and surrounded by grassland and oak woodland species previously described in Section 4.4.6. Evidence of OHWM included a moderate break in slope, changes in the character of soil, destruction of terrestrial vegetation, bed and bank, and change in plant cover.

4.5.2.3 Drainage Ditch

There are two drainage ditches (D-01 and -02) totaling approximately 152.11 linear feet (0.02 acre) within the Project site (see Attachment 1). Both man-made drainage ditches are associated with SW-01 and FEW-02 and channel water in an easterly direction towards Deadman Creek. D-01 originates at SW-01 and channels water east to a culvert under a gravel road. D-02 drains water from D-01 east towards FEW-02 and eventually Deadman Creek. Both drainage ditches are linear depressions constructed in grassland. Evidence of OHWM included a moderate break in slope, changes in the character of soil, bed and bank, and change in plant community and/or cover. Both drainage ditches had water at the time of the survey and the banks contained hydrophytic plant species such as tall flatsedge (*Cyperus eragrostis*) and annual rabbitsfoot grass (*Polypogon monspeliensis*).

4.6 Plant and Wildlife Species Observed

A total of 131 species of native or naturalized plants, 80 native (61%) and 51 non-native (39%), were recorded on the Project site (Attachment 2). Dudek biologists directly observed, or documented via scat, sign, or call, eight native wildlife species on the Project site during the field survey. Observed wildlife species included Anna's hummingbird (*Calypte anna*), California scrub-jay (*Aphelocoma californica*), California quail (*Callipepla californica*), turkey vulture

(Cathartes aura), mourning dove (Zenaida macroura), European starling (Sturnus vulgaris), American robin (Turdus migratorius), acorn woodpecker (Melanerpes formicivorus), and Bewick's wren (Thryomanes bewickii). One nonnative bird species, European starling (Sturnus vulgaris) was also observed. A list of the plant and wildlife species identified on the Project site during the field survey is included in Attachment B. No special-status wildlife or plants were observed during the field survey, although no species-specific or focused surveys were conducted.

4.7 Special-Status Plant and Wildlife Species

Based on the known habitat life history requirements (e.g., vegetation types, soils, and elevation preferences) of the target list of special-status plant and wildlife species identified as a result of the literature and database review described in Section 3.1, and the known geographic range and nearest occurrence records of each of these species, the potential of each of these species to occur on or adjacent to the Project site was determined (Attachment 3a, Special-Status Plant Species Potential to Occur in the Project Site Region, and Attachment 3b, Special-Status Wildlife Species Potential to Occur in the Project Site Region). The potential for occurrence of each species was summarized according to the categories listed below. Because not all species are accommodated precisely by a given category (i.e., category definitions may be too restrictive), an expanded rationale for each category assignment is provided.

- Known to occur: the species has been documented on the Project site by a reliable source.
- High potential to occur: the species has not been documented on the Project site but is known to recently occur in the vicinity and suitable habitat is present.
- Moderate potential to occur: the species has not been documented on the Project site or in the Project vicinity, but the site is within the known range of the species and suitable habitat for the species is present.
- Low potential to occur: the species has not been documented in the Project vicinity or on the Project site, but the site is within the known range of the species; however, suitable habitat for the species onsite is of low quality.
- Not expected to occur: the Project site is outside the known geographic or elevational range of the species and/or the site does not support suitable habitat for the species.

4.7.1 Special-Status Plant Species

Results of USFWS, CNDDB, and CNPS database searches revealed 34 special-status plant species that are known to occur in the Project site region (Figure 6, CNDDB). Of these 17 species, 10 are not expected to occur, 5 have low potential to occur, and 3 have a moderate potential to occur. Species that not expected to occur are determined by the lack of suitable habitat or the presence of very low quality habitat within or adjacent to the Project site, the lack of documented occurrences near the Project site, and/or the site being outside of the species' known geographic or elevation range; these species are identified in Attachment 3a, but not addressed further in this report.

The 3 special-status plant species that have a moderate potential to occur are described as follows:

Nissenan manzanita (*Arctostaphylos nissenana*) is a CRPR 1B.2 species with a moderate potential to occur on the Project site. Nissenan manzanita is a perennial evergreen shrub found in chaparral or closed-cone coniferous forest from approximately 1,475-3,606 feet above sea level (CNPS 2022). It blooms February and March. Chaparral habitat is present and there are 3 documented occurrences within 5 miles southeast of the Project site (CNDDB 2022).

Red Hills soaproot (*Chlorogalum grandiflorum*) is a CRPR 1B.2 species with a moderate potential to occur on the Project site. Red Hills soaproot is a perennial bulbiferous herb found in chaparral, cismontane woodland, or lower montane coniferous forest from approximately 805-5,540 feet above sea level (CNPS 2022). This species is sometimes found on gabbroic or serpentinite soils. It blooms May and June. Chaparral and cismontane woodland habitat are present on the Project site; while the site lacks ultramafic soils there is still a moderate potential for this species to occur. There are multiple documented occurrences within 10 miles north, west, and south of the Project site (CNDDB 2022).

Parry's horkelia (*Horkelia parryi*) is a CRPR 1B.2 species with a moderate potential to occur on the Project site. Parry's Horkelia is a perennial herb found in chaparral and cismontane woodland from approximately 260-3,510 feet above sea level (CNPS 2022). It blooms April through September. Chaparral and cismontane woodland are present on site and the nearest documented occurrence is a historical record from 1923 within 5 miles north of the Project site (CNDDB 2022).

4.7.2 Special-Status Wildlife Species

Results of the USFWS and CNDDB searches revealed 10 special-status wildlife species have been previously observed and documented in the Project site region (Figure 6, CNDDB). Of these 10 species, 6 are not expected to occur within the Project site, 2 have low potential to occur, one has moderate potential to occur, and one has high potential to occur. Species that not expected to occur are determined by the lack of suitable habitat or the presence of very low quality habitat within or adjacent to the Project site, the lack of documented occurrences near the Project site, or due to the site being outside of the species' known geographic or elevation range; these species are identified in Attachment 3b, but not addressed further in this report.

The two special-status animal species that have a high and moderate potential to occur, respectively, are described as follows:

Foothill yellow-legged frog (*Rana boylii*) has high potential to occur on the Project site. This species is protected under the federal and state Endangered Species Acts. Suitable habitat features including a freshwater stream and oak woodland are present on the Project site. The site is within the species range and there are multiple documented occurrences within 10 miles of the site, including one less than 2 miles southwest of the Project site (CNDDB 2022). The second closest occurrence is documented south of the Project site in Martinez Creek, to which Deadman Creek is tributary. Deadman Creek onsite contains a variety of substrates, margin vegetation, gradients, and shade. It provides suitable habitat for foothill yellow-legged frog throughout its course onsite.

Western pond turtle (*Emys marmorata*) has moderate potential to occur on the Project site. This species is a CDFW species of special concern. Suitable habitat features for this species include a freshwater stream and adjacent



uplands on the Project site. The site is within the species range and there are multiple occurrences within 10 miles of the site, including one less than 2 miles southwest of the Project site (CDFW 2022).

4.7.3 Nesting Birds and Raptors

The Project site provides suitable nesting habitat for numerous local and migratory bird or raptor species protected by the federal Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code. Specifically, trees, shrubs, and open habitat on the Project site provide suitable nesting habitat. Common bird species detected during the April 28, 2022 field survey included Anna's hummingbird (*Calypte anna*), California scrub-jay (*Aphelocoma californica*), California quail (*Callipepla californica*), turkey vulture (*Cathartes aura*), mourning dove (*Zenaida macroura*), European starling (*Sturnus vulgaris*), American robin (*Turdus migratorius*), acorn woodpecker (*Melanerpes formicivorus*), and Bewick's wren (*Thryomanes bewickii*). No species of concern were detected (refer to Attachment B). One active acorn woodpecker nest was observed, but a focused survey for nests was not conducted.

4.8 Sensitive Vegetation Communities

Blue oak-Valley oak woodland and forest is a sensitive vegetation community identified the Project site. This vegetation community is associated with the Deadman Creek corridor where it flows from north to south through the Project site.

5 Conclusions and Recommendations

5.1 Special-Status Plants

Based on a field assessment and literature review, there are six CRPR 1 plant species with a moderate or high potential to occur on the Project site: Nissenan manzanita, Stebbins' morning-glory, Pine Hill ceanothus, Red Hills soaproot, Pine Hill flannelbush, and Parry's Horkelia. These species were not identified on the Project site during the April 28, 2022 field survey. The field survey was outside the bloom season for Nissenan manzanita and Red Hills soaproot; however, both of these species have distinct characteristics that allows for partial identification outside the bloom season. Nissenan manzanita is distinguished from other co-occurring manzanita species in the area such as common manzanita and hoary manzanita (*Arctostaphylos viscida*) by the leaf-like inflorescence bracts, which were not present on the shrubs identified onsite. Thus, it is determined that no Nissenan manzanita is present within the Project site. Red Hills soaproot is distinguished from the more common soaproot (*C. pomeridianum* and spp.) by the size of the flower; thus, because there were several occurrences of *Chloragalum* species onsite that did not yet contain inflorescences, these individuals could not be accurately identified to a taxonomic level suitable to determine rarity. Eventual development on the Project site could result in impacts to this species if present within or immediately adjacent to the Project footprint. Impacts could include the destruction of individual plants or populations of plants that may become established in the construction footprint prior to ground disturbance.

Although Red Hills soaproot is not state or federally listed as threatened or endangered, it is considered of special status in California and, as such, impacts to this species would potentially be considered significant under CEQA. If special-status plants are determined to be in areas proposed to be impacted, and if impacts to the plants cannot be avoided, appropriate measures would need to be implemented to mitigate, pursuant to CEQA, the loss of any plants. Such mitigation measures may include, but are not limited to, translocation of special-status species,

preservation of on-site or off-site populations, or establishment of additional on-site or off-site populations at agency-approved locations.

Dudek recommends that prior to any construction-related activities, a rare plant survey shall be conducted to determine if there are any special-status plants within the project area and which may potentially be disturbed. Surveys shall be timed according to the blooming period for the target species, and known reference populations will be visited prior to surveys to confirm the species is evident and identifiable at the time of the survey. If special-status species are identified, avoidance zones may be established around plant populations to clearly demarcate areas for avoidance. Avoidance measures and buffer distances may vary between species, and the specific avoidance zone distance will be determined in coordination with the appropriate resource agencies. No construction activity or grading would be permitted within the avoidance zone. Where avoidance is infeasible, and the plant(s) are subject to removal or potential damage from construction, the project applicant shall develop and implement a mitigation plan pursuant to State and Federal regulation. The mitigation plan shall provide for no net loss of habitat and shall include, but is not limited to, relocation of the affected plants, replanting, and monitoring of relocated and planted specimens.

5.2 Special-Status Wildlife

Foothill Yellow-legged Frog. Although foothill yellow-legged frog has been documented downstream of the Project site in a larger tributary to Cosumnes River, the likelihood for this species to breed on the Project site is lessened due to insufficient hydrology and the potential for the stream to dry up during dry years. This species prefers perennial stream habitat. There is potential for foothill yellow-legged frog to use Deadman Creek for foraging and refugia when there is sufficient hydrology and connectivity to downstream habitat. Eventual Project development could potentially impact individual foothill yellow-legged frog individuals that may use Deadman Creek as refugia and/or movement habitat. As a state-listed endangered species, direct impacts to this species would be considered "take" under the California Endangered Species Act as well as a significant impact under CEQA. Dudek recommends avoiding direct impacts to Deadman Creek which could support this species. If avoidance is not feasible, Dudek recommends implementing the following measures:

- A qualified biologist familiar with foothill yellow-legged frog identification and ecology will conduct a preconstruction survey for foothill yellow-legged frog within 48 hours prior to ground-disturbance in suitable aquatic habitat. If any foothill yellow-legged frog are found, construction activities will stop in the suitable aquatic habitats, and the appropriate agencies (CDFW and/or USFWS) will be contacted immediately for further guidance.
- A qualified biological will provide environmental awareness training for construction personnel prior to the onset of work in or near suitable aquatic habitat. The training will include information on how to recognize foothill yellow-legged frog, the importance of avoiding impacts to this species, and what to do if they are found. Education programs will be conducted for appropriate new personnel as they are brought on the job during the construction period. Upon completion of training, employees will sign a form stating that they attended the training and understand all the conservation and protection measures.
- A qualified biologist will be present on site during any ground-disturbing activities adjacent to or in aquatic
 habitat to monitor for foothill yellow-legged frog. The biologist has the authority to stop work if foothill yellowlegged frog are detected in the work area and could be harmed by construction.
- Prior to construction in riparian or aquatic habitat, Environmentally Sensitive Area (ESA) fencing will be established along the limits of construction adjacent to the riparian and aquatic habitats to exclude

construction activities from avoided habitat. Vehicles will not be allowed to park in, nor will equipment be stored in the ESA. No storage of oil, gasoline, or other substances will be permitted in the ESA. No vegetation removal or ground-disturbing activities will be permitted in the ESA.

• Equipment fueling, maintenance, and staging shall not be conducted within 50 feet of aquatic habitat, including drainages, ponds, and seeps.

Western Pond Turtle. Although no western pond turtle were detected during the April 28, 2022 survey, Deadman Creek provides potentially suitable aquatic habitat for this species. Uplands adjacent to the creek provide potentially suitable nesting and aestivation habitat for this species. Eventual development of the Project site could impact this species if nesting or aestivation sites or individual western pond turtle are present in the construction footprint prior to ground disturbance. Direct or indirect impacts to this species would likely be considered a potentially significant impact under CEQA. To avoid or minimize impacts to WPT, Dudek recommends implementing the following measures:

- A qualified biologist shall conduct a survey for WPT within 48 hours prior to the start of construction activities in or within 50 feet of suitable aquatic habitat. If turtles are observed, additional searches for nests sites shall be conducted and any identified sites shall be delineated with high-visibility flagging or fencing and avoided during construction activities. If avoidance is not possible, the nest and/or turtle shall be removed by a qualified biologist and relocated to an appropriate location in coordination with CDFW.
- If turtles and/or nests are encountered during the preconstruction survey, a qualified biologist shall be present during grubbing and clearing activities in suitable habitat to monitor for WPT. If a turtle is observed in the active construction zone, construction will cease and a qualified biologist will be notified. Construction may resume when the biologist has either relocated the turtle to nearby suitable habitat outside the construction zone, or, after thorough inspection, determined that the turtle has moved away from the construction zone.

Nesting Birds. Eventual development on the Project site could involve structure and vegetation removal, which has the potential to impact nesting birds protected by the federal MBTA and California Fish and Game Code. Direct or indirect impacts to nesting birds would likely be considered a potentially significant impact under CEQA. To avoid impacting active nests, Dudek recommends conducting tree or vegetation removal outside of the nesting season (September through February). If not feasible, Dudek recommends implementing the following measures to avoid or minimize impacts to nesting birds.

- A qualified biologist shall conduct a pre-construction survey for nesting birds no more than two days prior to vegetation or structure removal or ground-disturbing activities conducted during the nesting season (February through August). The survey should cover the limits of construction and suitable nesting habitat within 500 feet for raptors and 100 feet for other nesting birds, as feasible and accessible.
- If any active nests are observed during surveys, a qualified biologist shall establish a suitable avoidance buffer from the active nest. The buffer distance will typically range from 50 to 500 feet and should be determined based on factors such as the species of bird, topographic features, intensity and extent of the disturbance, timing relative to the nesting cycle, and anticipated ground disturbance schedule. Limits of construction to avoid active nests should be established in the field with flagging, fencing, or other appropriate barriers and should be maintained until the chicks have fledged and the nests are no longer active, as determined by the qualified biologist.
- If vegetation removal activities are delayed, additional nest surveys should be conducted such that no more than 7 days elapse between the survey and vegetation removal activities.

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If an active nest is identified in or adjacent to the construction zone after construction has started, work in the vicinity of the nest should be halted until the qualified biologist can provide appropriate avoidance and minimization measures to ensure that the nest is not disturbed by construction. Appropriate measures may include a no-disturbance buffer until the birds have fledged and/or full-time monitoring by a qualified biologist during construction activities conducted near the nest.

5.3 Sensitive Vegetation Communities

Blue oak – valley oak woodland is a sensitive vegetation community that is also associated with a drainage that is assumed to be under the jurisdiction of the CDFW pursuant to Section 1602 of the California Fish and Game Code. Dudek recommends avoidance of this mapped community. If avoidance of this vegetation community is not feasible by eventual development on the Project site, direct impacts to button willow thicket would be considered a significant impact under CEQA and would require prior authorization from the CDFW in the form of a Streambed Alteration Agreement, which will likely require compensatory mitigation for any trimming or removal of button willow thicket. Compensatory mitigation may involve implementing a restoration and mitigation monitoring plan, prepared by a qualified botanist and approved by CDFW, to off-set vegetation impacts. These plans normally contain, at a minimum, mitigation goals and objectives, mitigation location, a discussion of actions to be implemented to mitigate the impact, performance criteria, monitoring methods, and actions to be taken in the event that the mitigation is not successful. Compensatory mitigation may take place on site or at an appropriate off-site location as approved by the CDFW.

5.4 Aquatic Resources

Dudek mapped approximately 1.93 acres of aquatic resources anticipated to meet the criteria to be considered jurisdictional aquatic resources under federal and/or state jurisdiction. Findings with regard to federal jurisdiction are preliminary until verified by the Sacramento District of the USACE.

Dudek recommends that eventual development on the Project site avoid aquatic resources where possible. Impacts to jurisdictional aquatic resources would be considered a significant impact under CEQA and would require aquatic resource permits from the USACE, RWQCB, and/or CDFW (e.g., 404 Nationwide Permit, 401 Water Quality Certification and 1600 Streambed Alteration Agreement), as well as a Preliminary Jurisdictional Delineation from the USACE to document aquatic resources onsite within USACE jurisdiction. In addition, compensatory mitigation may be required for permanent impacts to aquatic resources to ensure no net loss of these resources. Potential compensatory mitigation options include purchasing mitigation credits from an agency-approved wetlands mitigation bank or paying an agency-approved in-lieu fee. Where direct impacts to jurisdictional aquatic resources can be avoided, exclusion fencing should be installed between the avoided aquatic resource and limits of disturbance to protect from indirect impacts. A qualified wetland specialist should guide installation of the exclusion fencing. Appropriate best management practices and spill prevention measures should also be implemented to ensure protection of jurisdictional aquatic resources during Project construction.

If you have any questions or concerns regarding the content of this report, please contact me at 916.835.9671 or lburris@dudek.com.

Sincerely,

Laura Burris Senior Biologist

Att.: Figures 1-6

Attachment 1 Photo Log Attachment 2a Plant Compendium Attachment 2b Wildlife Compendium Attachment 3a Plant Species Potential to Occur

Attachment 3b Wildlife Species Potential to Occur

cc: Christine Fukasawa, Dudek

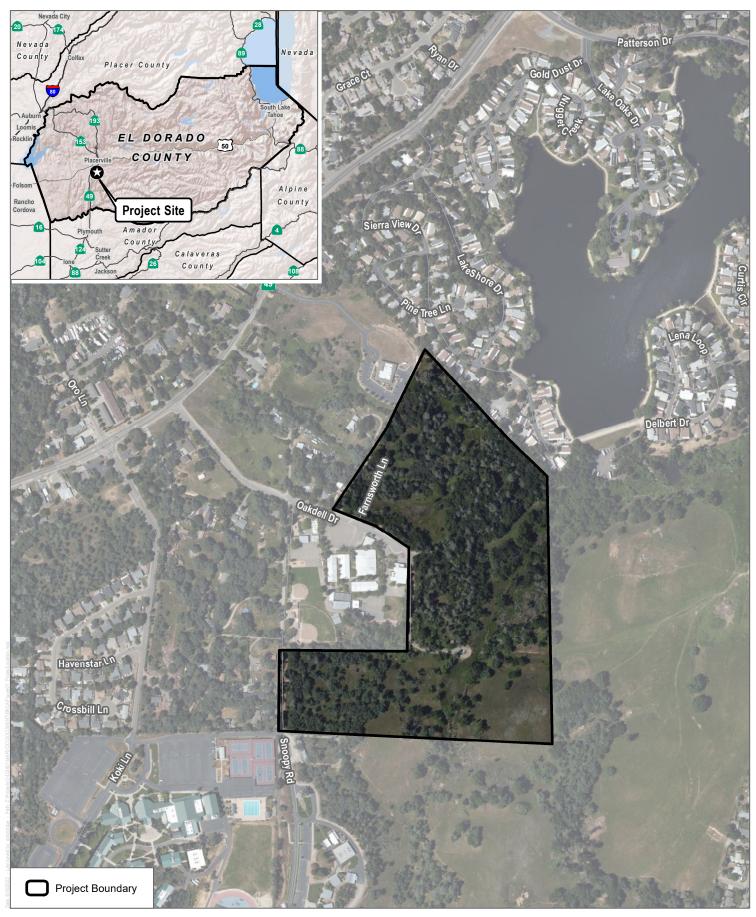
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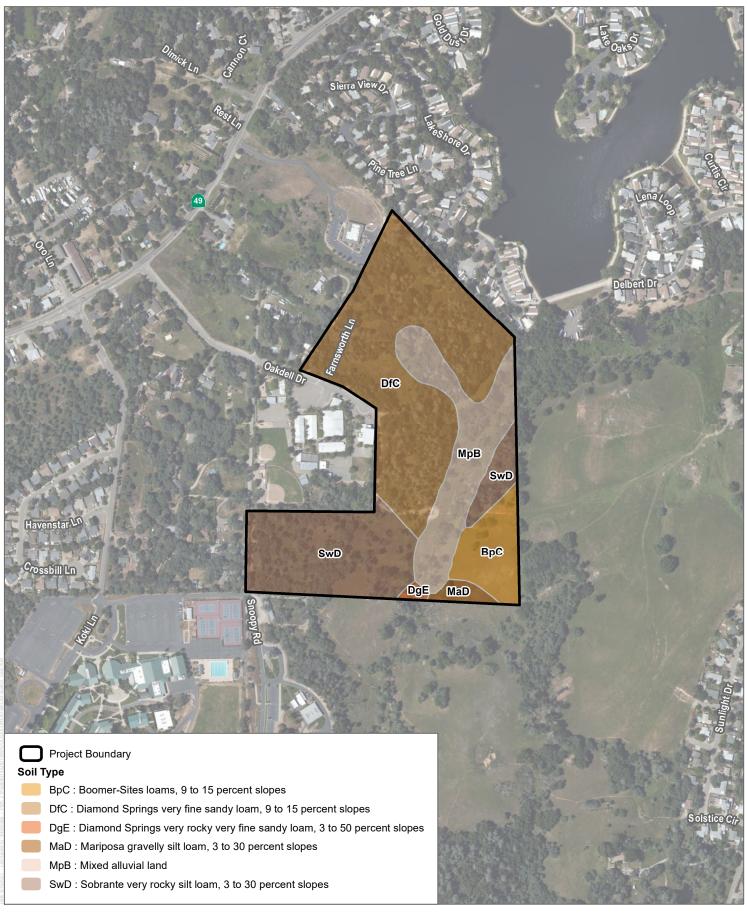
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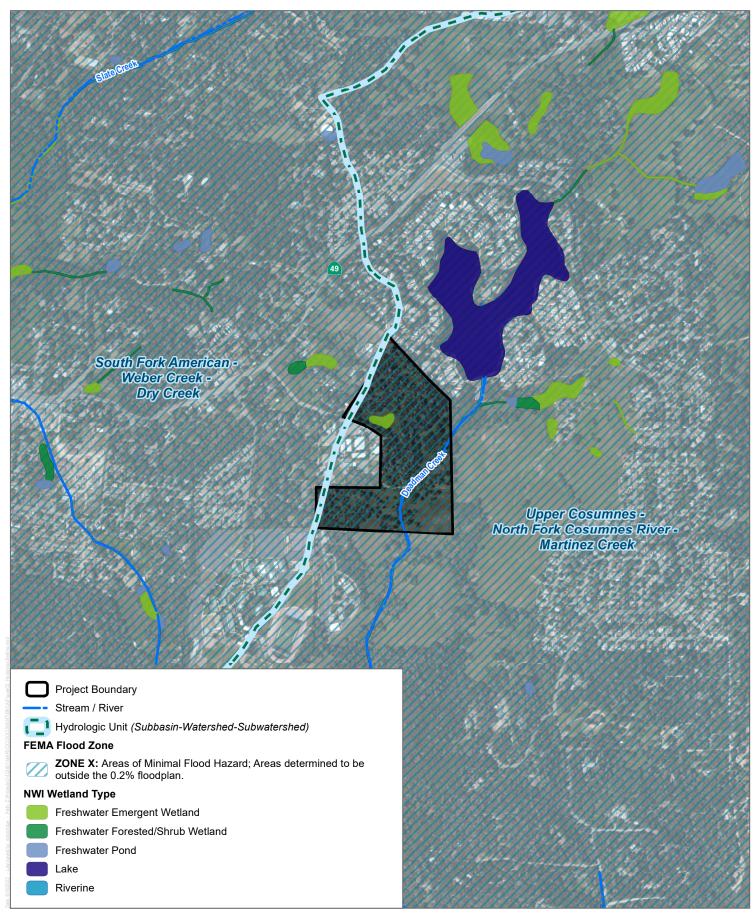
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FIGURE 1
Project Site and Vicinity



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FIGURE 2 Soils Map



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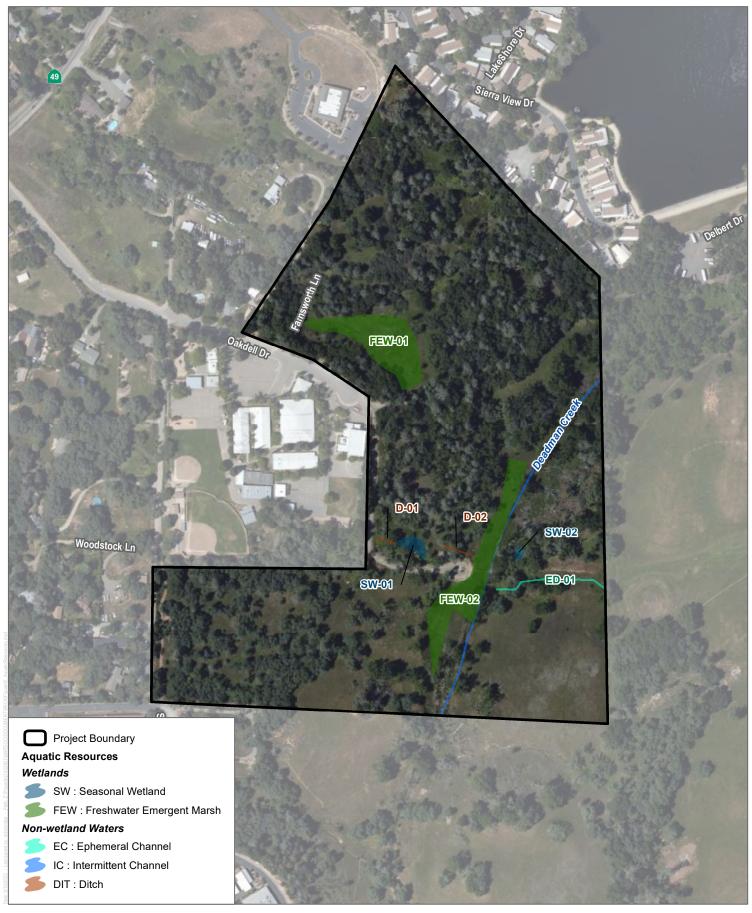
FIGURE 3
Hydrologic Setting



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FIGURE 4

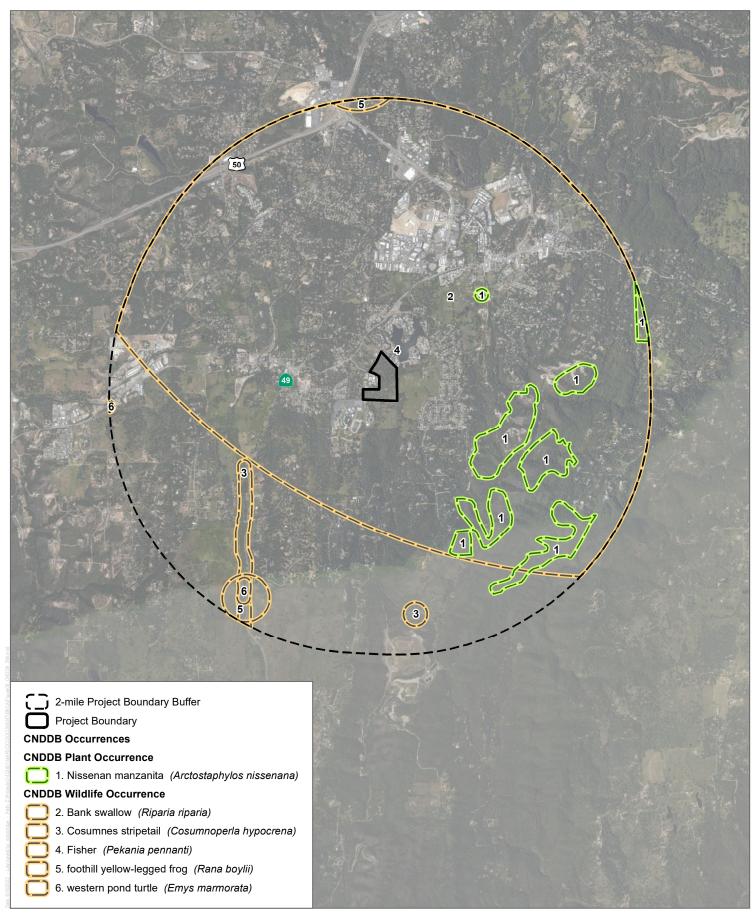
Biological Resources Constraints Analysis for the Diamond Springs Community Park Project



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Aquatic Resources Delineation

FIGURE 5



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FIGURE 6
CNDDB Occurrences within 2 Miles

Attachment A

Representative Project Site Photos



Photo 1. View of interior live oak and gray pine woodland in the northern portion of the project site.

Photo 2. View of mixed oak woodland in the central portion of the project site.

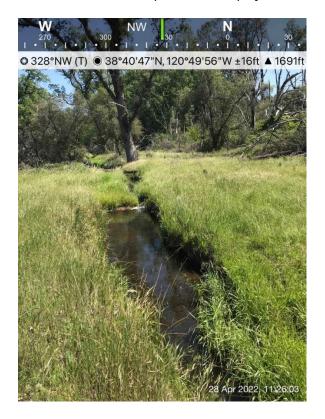


Photo 3. View of the start of Deadman Creek within the project boundary along the east side.



Photo 4. View of great brome association at the southeast corner of the project site.





Photo 5. View of mixed grassland at the southeast corner of the project site.



Photo 7. View of Baltic rush – field sedge in the south-central portion of the project site.

Photo 6. View of the end of Deadman Creek within the project boundary along the south.



Photo 8. View of blue oak savannah in the southwestern portion of the project site.

Attachment B

List of Plant and Wildlife Species Observed on the Project Site

Row Labels

VASCULAR SPECIES

EUDICOTS

ANACARDIACEAE—Sumac Or Cashew Family

Toxicodendron diversilobum—poison oak

APIACEAE—Carrot Family

Sanicula bipinnatifida—purple sanicle

Sanicula crassicaulis—Pacific blacksnakeroot

Scandix pecten-veneris—shepherdsneedle*

Torilis arvensis—spreading hedgeparsley*

ASTERACEAE—Sunflower Family

Achillea millefolium—common yarrow

Agoseris grandiflora—bigflower agoseris

Baccharis pilularis—coyote brush

Carduus pycnocephalus-Italian plumeless thistle*

Centaurea solstitialis—yellow star-thistle*

Cirsium vulgare—bull thistle*

Hypochaeris glabra—smooth cat's ear*

Hypochaeris radicata—hairy cat's ear*

Lactuca serriola—prickly lettuce*

Logfia gallica—narrowleaf cottonrose*

Madia elegans—common madia

Matricaria discoidea—disc mayweed

Micropus californicus—q-tips

Pseudognaphalium luteoalbum—Jersey cudweed*

Psilocarphus tenellus—slender woollyheads

Taraxacum officinale—common dandelion*

Tragopogon porrifolius—salsify*

Wyethia glabra—Coast Range mule-ears

BORAGINACEAE—Borage Family

Amsinckia menziesii-Menzies' fiddleneck

Eriodictyon californicum—California yerba santa

Nemophila heterophylla—small baby blue eyes

Plagiobothrys nothofulvus—popcorn flower

Plagiobothrys stipitatus—stalked popcornflower

BRASSICACEAE—Mustard Family

Barbarea orthoceras—American yellowrocket

Thysanocarpus curvipes—sand fringepod

CAPRIFOLIACEAE—Honeysuckle Family

Lonicera hispidula—pink honeysuckle

Symphoricarpos albus—common snowberry

CARYOPHYLLACEAE—Pink Family

Cerastium glomeratum—sticky chickweed*

Stellaria media-common chickweed*

ERICACEAE—Heath Family

Arbutus menziesii-madrone

Arctostaphylos manzanita—common manzanita

Arctostaphylos viscida—whiteleaf manzanita

FABACEAE—Legume Family

Acmispon americanus—Spanish clover

Acmispon wrangelianus—Chilean bird's-foot trefoil

Total count of species:131Total native species80 61%Total non-native species:51 39%

Text to copy and paste (special, unformatted text) into results section of BTR:

A total of 131 species of native or naturalized plants, 80 native (61%) and 51 non-native (39%), was recorded on the site (see Appendix A).

Right click and select refresh below for list of CRPR species on site:

On Project Site? X = Yes X

Scientific Name—Common Name Status (Federal/State/CRPR)

Grand Total

Cytisus scoparius—broom* Genista monspessulana—French broom* Lavandula stoechas-French lavender* Lupinus bicolor—miniature lupine Lupinus nanus—sky lupine Trifolium campestre—field clover* Trifolium dubium-suckling clover* Trifolium hirtum-rose clover* Trifolium subterraneum—subterranean clover* Trifolium willdenovii—tomcat clover Vicia hirsuta—tiny vetch* Vicia sativa—garden vetch* Vicia villosa—winter vetch* FAGACEAE—Oak Family Quercus douglasii—blue oak Quercus kelloggii—California black oak Quercus lobata-valley oak Quercus wislizeni var. wislizeni-interior live oak GERANIACEAE—Geranium Family Erodium botrys-longbeak stork's bill* Geranium dissectum—cutleaf geranium* Geranium molle—dovefoot geranium* JUGLANDACEAE—Walnut Family Juglans hindsii—Northern California black walnut LAMIACEAE—Mint Family Marrubium vulgare—horehound* Mentha pulegium—pennyroyal* Salvia sonomensis—creeping sage LIMNANTHACEAE—Meadowfoam Family Limnanthes douglasii-Douglas' meadowfoam LYTHRACEAE—Loosestrife Family Lythrum hyssopifolia—hyssop loosestrife* MALVACEAE—Mallow Family Sidalcea asprella—dwarf checkerbloom MONTIACEAE—Montia Family Claytonia parviflora—streambank springbeauty OROBANCHACEAE—Broom-rape Family Castilleja attenuata—attenuate Indian paintbrush Castilleja lineariloba—no common name PAPAVERACEAE—Poppy Family Eschscholzia californica—California poppy PHRYMACEAE—Lopseed Family Erythranthe guttata—common monkey flower PLANTAGINACEAE—Plantain Family Collinsia heterophylla—purple Chinese houses Plantago lanceolata—narrowleaf plantain* Veronica peregrina—neckweed POLEMONIACEAE—Phlox Family Leptosiphon bicolor—true babystars Leptosiphon parviflorus—variable linanthus Navarretia leucocephala ssp. leucocephala—whitehead navarretia POLYGONACEAE—Buckwheat Family Pterostegia drymarioides—woodland pterostegia

Rumex acetosella—common sheep sorrel* Rumex crispus—curly dock* RANUNCULACEAE—Buttercup Family Delphinium variegatum—royal larkspur Ranunculus aquatilis—white water crowfoot Ranunculus muricatus—spinyfruit buttercup* Ranunculus occidentalis—western buttercup RHAMNACEAE—Buckthorn Family Ceanothus cuneatus—wedge leaf ceanothus, buck brush Frangula californica ssp. tomentella—California buckthorn Frangula californica—California coffee berry ROSACEAE—Rose Family Drymocallis glandulosa—sticky cinquefoil Heteromeles arbutifolia—toyon Prunus cerasifera—cherry plum* Rubus armeniacus—Himalayan blackberry* RUBIACEAE—Madder Family Galium aparine—stickywilly Galium porrigens—graceful bedstraw SALICACEAE—Willow Family Salix lasiolepis—arroyo willow SCROPHULARIACEAE—Figwort Family Verbascum thapsus—common mullein* SOLANACEAE—Nightshade Family Solanum xanti—Purple nightshade VALERIANACEAE—Valerian Family Plectritis macrocera—longhorn plectritis VIOLACEAE—Violet Family Viola purpurea—goosefoot violet VISCACEAE—Mistletoe Family Phoradendron leucarpum—oak mistletoe **FERNS AND FERN ALLIES** PTERIDACEAE—Brake Family Pentagramma triangularis—goldback fern GYMNOSPERMS AND GNETOPHYTES CUPRESSACEAE—Cypress Family Calocedrus decurrens—incense cedar PINACEAE—Pine Family Pinus ponderosa—Ponderosa pine Pinus sabiniana—foothill pine MONOCOTS AGAVACEAE—Agave Family Chlorogalum pomeridianum—wavyleaf soap plant CYPERACEAE—Sedge Family Carex bolanderi—Bolander's sedge Carex fracta—fragile sheath sedge Carex praegracilis—clustered field sedge IRIDACEAE—Iris Family Sisyrinchium bellum—western blue-eyed grass JUNCACEAE—Rush Family Juncus balticus—no common name Juncus bufonius—toad rush

Juncus xiphioides—irisleaf rush

Luzula comosa—Pacific woodrush

LILIACEAE—Lily Family

Calochortus monophyllus—yellow star-tulip

POACEAE—Grass Family

Aira caryophyllea—silver hairgrass*

Avena barbata—slender oat*

Briza minor—little quakinggrass*

Bromus diandrus-ripgut brome*

Bromus hordeaceus—soft brome*

Cynosurus echinatus—annual dogtails*

Elymus caput-medusae—medusahead*

Elymus glaucus—blue wildrye

Festuca bromoides—brome fescue*

Festuca myuros—rat-tail fescue*

Festuca perennis—perennial rye grass*

Hordeum marinum—seaside barley*

Hordeum murinum—mouse barley*

Pleuropogon californicus—annual semaphoregrass

Poa bulbosa—bulbous bluegrass*

Poa pratensis—Kentucky blue grass*

Poa secunda—onesided bluegrass

THEMIDACEAE—Brodiaea Family

Dipterostemon capitatus—bluedicks

On Project Site? X = Yes	Х
Row Labels	
BIRDS	
HUMMINGBIRDS	
TROCHILIDAE—HUMMINGBIRDS	
Calypte anna—Anna's hummingbird	
JAYS, MAGPIES & CROWS	
CORVIDAE—CROWS & JAYS	
Aphelocoma californica—California scrub-jay	
NEW WORLD QUAIL	
ODONTOPHORIDAE—NEW WORLD QUAIL	
Callipepla californica—California quail	
NEW WORLD VULTURES	
CATHARTIDAE—NEW WORLD VULTURES	
Cathartes aura—turkey vulture	
PIGEONS & DOVES	
COLUMBIDAE—PIGEONS & DOVES	
Zenaida macroura—mourning dove	
STARLINGS & ALLIES	
STURNIDAE—STARLINGS	
Sturnus vulgaris—European starling*	
THRUSHES	
TURDIDAE—THRUSHES	
Turdus migratorius—American robin	
WOODPECKERS	
PICIDAE—WOODPECKERS & ALLIES	
Melanerpes formicivorus—acorn woodpecker	
WRENS	

TROGLODYTIDAE—WRENS

Thryomanes bewickii—Bewick's wren

TOTAL SPECIES COUNT: Total Native Species:	9
Total Non-Native Species:	1
Right click and select refresh below for list	of special-status species on site.
On Project Site? X = Yes X	

Scientific Name-Common Name Status (Federal/State)

Grand Total

		Ī 1											
oject Site? CODE	Scientific Name Accipiter cooperii	Common Name Cooper's hawk	Status (Federal/State) Non-Na None/WL	sti Species Type Birds	Species Type (Caps) BIRDS	Subtype Hawks	Subtype (Caps) HAWKS	Family Name (Scientific) Accipitridae	Family Name (Scientific) (Caps) ACCIPITRIDAE	Family Name (Common) HAWKS, KITES, EAGLES, & ALLIES	Family Scientific Name-Common Name ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES	otes	
	Accipiter gentilis Accipiter striatus	northern goshawk	None/SSC None/WL	Birds Birds	BIRDS BIRDS	Hawks Hawks	HAWKS HAWKS	Accipitridae Accipitridae	ACCIPITRIDAE ACCIPITRIDAE	HAWKS, KITES, EAGLES, & ALLIES HAWKS, KITES, EAGLES, & ALLIES	ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES		
R-POTU R-SPSA	Emys marmorata Actitis macularius	western pond turtle	None/SSC None/None		REPTILES BIRDS	Turtles Shorebirds	TURTLES SHOREBIRDS	Emydidae Scolopacidae	EMYDIDAE SCOLOPACIDAE	BOX & WATER TURTLES SANDPIPERS, PHALAROPES, & ALLIES	EMYDIDAE—BOX & WATER TURTLES Sci SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES	ientific and common name from CDFW Sp	ecial Animals List (2021), not Crother (2017). Syonym with southwestern pond turtle (Actinemys pallida) and northwestern pond turtle (Actinemys
I-CASI	Adelpha bredowii Aechmonharus clarkii	California sister	None/None BCC/None	Invertebrates	INVERTEBRATES BIRDS	Butterflies Grebes	BUTTERFLIES GREBES	Nymphalidae Podicinedidae	NYMPHALIDAE PODICIPEDIDAE	BRUSH-FOOTED BUTTERFLIES GREBES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES	Ided Oct 2016 because included in the ker	ata laakun tahla
B-WEGR	Aechmophorus occidentalis	western grebe	None/None	Birds	BIRDS	Grebes	GREBES	Podicipedidae	PODICIPEDIDAE VESPERTILIONIDAE	GREBES	PODICIPEDIDAE—GREBES		•
B-WTSW	Aeorestes cinereus Aeronautes saxatalis	white-throated swift	None/None None/None	Mammals Birds	BIRDS	Swifts	SWIFTS	Vespertilionidae Apodidae	APODIDAE	EVENING BATS SWIFTS	APODIDAE—SWIFTS	and common name from Mammal Divers	ity Database; recognized as hoary bat (Lasiurus cinereus) per CNDDB
I-GGSK B-RWBL	Agathymus stephensi Agelaius phoeniceus		None/None None/None	Invertebrates Birds	INVERTEBRATES BIRDS	Butterflies Blackbirds, Orioles & Allies		Hesperiidae Li Icteridae	HESPERIIDAE ICTERIDAE	SKIPPERS BLACKBIRDS	HESPERIIDAE—SKIPPERS ICTERIDAE—BLACKBIRDS		
B-TRBL	Agelaius tricolor Agraulis vanillae	tricolored blackbird	BCC/SSC, ST None/None	Birds Invertebrates	BIRDS INVERTEBRATES	Blackbirds, Orioles & Allies Butterflies	BLACKBIRDS, ORIOLES & AL BUTTERFLIES	Li Icteridae Nymphalidae	ICTERIDAE NYMPHALIDAE	BLACKBIRDS BRUSH-FOOTED BUTTERFLIES	ICTERIDAE—BLACKBIRDS NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
I-GOBO	Agrilus auroguttatus Aimophila ruficeps	goldspotted oak borer	None/None * None/None	Invertebrates Birds	INVERTEBRATES BIRDS	Metallic Wood-boring Beet New World Sparrows	METALLIC WOOD-BORING E NEW WORLD SPARROWS	BBuprestidae	BUPRESTIDAE PASSERELLIDAE	METALLIC WOOD-BORING BEETLES NEW WORLD SPARROWS	BUPRESTIDAE—METALLIC WOOD-BORING BEETLES PASSERELLIDAE—NEW WORLD SPARROWS		
B-SRCS	Aimophila ruficeps canescens Aix sponsa		None/WL None/None	Birds Birds	BIRDS BIRDS		NEW WORLD SPARROWS WATERFOWL		PASSERELLIDAE ANATIDAE	NEW WORLD SPARROWS DUCKS, GEESE, & SWANS	PASSERELLIDAE—NEW WORLD SPARROWS	rmerly oldsquaw	
F-BLHE	Alosa aestivalis Amazona viridigenalis	Blueback herring	None/None None/None *	Fishes	FISHES BIRDS	Ray-finned fishes Parrots	RAY-FINNED FISHES PARROTS	Clupeidae Psittacidae	CLUPEIDAE PSITTACIDAE	HERRINGS			ata lookup table; Not found in Moyle (2002).
A-CTSA	Ambystoma californiense	California tiger salamander	FT or FE/ST, WL (depending on pop #)		AMPHIBIANS	Salamanders	SALAMANDERS	Ambystomatidae	AMBYSTOMATIDAE	WOODPECKERS & ALLIES	AMBYSTOMATIDAE—WOODPECKERS & ALLIES Ad	lded Oct 2016 because included in the ker	
A-TISA F-BUCA	Ambystoma tigrinum Ameiurus spp.		None/None *	Amphibians Fishes	AMPHIBIANS FISHES	Salamanders North American Freshwater	SALAMANDERS NORTH AMERICAN FRESHW	Ambystomatidae Ictaluridae	AMBYSTOMATIDAE ICTALURIDAE	WOODPECKERS & ALLIES CATFISH	AMBYSTOMATIDAE—WOODPECKERS & ALLIES Ad ICTALURIDAE—CATFISH	lded Oct 2016 because included in the ker	ata lookup table.
B-GRSP M-WTAS	Ammodramus savannarum Ammospermophilus leucurus		None/SSC None/None	Birds Mammals	BIRDS MAMMALS	New World Sparrows Squirrels	NEW WORLD SPARROWS SQUIRRELS	Passerellidae Sciuridae	PASSERELLIDAE SCIURIDAE	NEW WORLD SPARROWS SQUIRRELS	PASSERELLIDAE—NEW WORLD SPARROWS SCIURIDAE—SQUIRRELS		
M-NASQ	Ammospermophilus nelsoni Amphispiza bilineata		None/ST None/None	Mammals Birds	MAMMALS BIRDS	Squirrels New World Sparrows	SQUIRRELS NEW WORLD SPARROWS	Sciuridae Passerellidae	SCIURIDAE PASSERELLIDAE	SQUIRRELS NEW WORLD SPARROWS	SCIURIDAE—SQUIRRELS Ad PASSERELLIDAE—NEW WORLD SPARROWS	lded Oct 2016 because included in the ker	ata lookup table.
B-NOPI	Anas acuta Anas crecca	northern pintail	None/None None/None	Birds Birds	BIRDS BIRDS	Waterfowl Waterfowl	WATERFOWL WATERFOWL	Anatidae Anatidae	ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS	Ided Oct 2016 because included in the ker	ata lookun tahla
	Anas platyrhynchos	mallard	None/None None/None	Birds	BIRDS AMPHIBIANS	Waterfowl	WATERFOWL	Anatidae Bufonidae	ANATIDAE BUFONIDAE	DUCKS, GEESE, & SWANS TRUE TOADS	ANATIDAE — DUCKS, GEESE, & SWANS BUFONIDAE — TRUE TOADS	ded det 2010 betade meladed in the ker	in long suit.
A-ARTO	Anaxyrus boreas Anaxyrus californicus	arroyo toad	FE/SSC		AMPHIBIANS	Toads	TOADS	Bufonidae	BUFONIDAE	TRUE TOADS	BUFONIDAE—TRUE TOADS		
	Anaxyrus punctatus Aneides lugubris		None/None None/None	Amphibians Amphibians	AMPHIBIANS AMPHIBIANS	Toads Salamanders	TOADS SALAMANDERS	Bufonidae Plethodontidae	BUFONIDAE PLETHODONTIDAE	TRUE TOADS LUNGLESS SALAMANDERS	BUFONIDAE—TRUE TOADS PLETHODONTIDAE—LUNGLESS SALAMANDERS		
R-TELL R-BSLL	Anniella alexanderae Anniella campi	Temblor legless lizard Big Spring legless lizard	None/SSC None/SSC	Reptiles Reptiles	REPTILES REPTILES	Lizards Lizards	LIZARDS LIZARDS	Anniellidae Anniellidae	ANNIELLIDAE ANNIELLIDAE	CALIFORNIA LEGLESS LIZARDS CALIFORNIA LEGLESS LIZARDS	ANNIELLIDAE—CALIFORNIA LEGLESS LIZARDS Pei ANNIELLIDAE—CALIFORNIA LEGLESS LIZARDS Co	r Special Animals list July 2017 Immon name is per Crother (2017); Previo	usly Southern Sierra Legless Lizard
R-BALL R-NOLL	Anniella grinnelli Anniella pulchra		None/SSC None/SSC	Reptiles Reptiles	REPTILES REPTILES	Lizards Lizards	LIZARDS LIZARDS	Anniellidae Anniellidae	ANNIELLIDAE ANNIELLIDAE	CALIFORNIA LEGLESS LIZARDS CALIFORNIA LEGLESS LIZARDS		r Special Animals list July 2017 mmon name is per Crother (2017); Previo	
R-CALL R-SDLL	Anniella sp. Anniella stebbinsi		None/SSC None/SSC	Reptiles Reptiles	REPTILES REPTILES	Lizards Lizards	LIZARDS LIZARDS	Anniellidae Anniellidae	ANNIELLIDAE ANNIELLIDAE	CALIFORNIA LEGLESS LIZARDS CALIFORNIA LEGLESS LIZARDS		r Special Animals list July 2017	9); Crother (2017) common name is San Diegan legless lizard
B-GWFG	Anser albifrons	greater white-fronted goose	None/None None/None	Birds Birds	BIRDS BIRDS	Waterfowl Waterfowl	WATERFOWL WATERFOWL	Anatidae Anatidae	ANATIDAE ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS Ad	Ided Oct 2016 because included in the ker Ided Oct 2016 because included in the ker	ata lookup table.
B-ROGO	Anser caerulescens Anser rossii		None/None	Birds	BIRDS INVERTERRATES	Waterfowl	WATERFOWL WATERFOWL BUTTERFLIES	Anatidae	ANATIDAE ANATIDAE PIERIDAE	DUCKS, GEESE, & SWANS		ided Oct 2016 because included in the ker Ided Oct 2016 because included in the ker	
I-DEOR I-GRMA	Anthocharis cethura Anthocharis lanceolata		None/None None/None		INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES	Pieridae Pieridae	PIERIDAE	WHITES & SULFURS WHITES & SULFURS	PIERIDAE—WHITES & SULFURS		
I-PSOR I-STOR	Anthocharis sara sara Anthocharis sara stella		None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Pieridae Pieridae	PIERIDAE PIERIDAE	WHITES & SULFURS WHITES & SULFURS	PIERIDAE—WHITES & SULFURS PIERIDAE—WHITES & SULFURS		
B-AMPI B-LSCR	Anthus rubescens Antigone canadensis canadensis	American pipit	None/None None/SSC	Birds Birds	BIRDS BIRDS	Wagtails & Pipits Cranes	WAGTAILS & PIPITS CRANES	Motacillidae Gruidae	MOTACILLIDAE GRUIDAE	WAGTAILS & PIPITS CRANES	MOTACILLIDAE—WAGTAILS & PIPITS GRUIDAE—CRANES Fo	rmerly Grus canadensis canadensis and st	ill recognized as such by the SA list (Oct 2016). Current name from AOU (2016)
B-GRSA M-PRON	Antigone canadensis tabida Antilocapra americana		None/FP, ST None/None	Birds Mammals	BIRDS MAMMAIS	Cranes	CRANES LINGULATES	Gruidae Antilocapridae	GRUIDAE ANTII OCAPRIDAE	CRANES PRONGHORNS		rmerly Grus canadensis tabida	
M-PABA	Antrozous pallidus	pallid bat	None/SSC	Mammals	MAMMALS REPTILES	Ungulates Bats	BATS TURTIES	Vespertilionidae	VESPERTILIONIDAE TRIONYCHIDAE	EVENING BATS SOFTSHELL TURTLES	VESPERTILIONIDAE—EVENING BATS TRIONYCHIDAE—SOFTSHEIL TURTLES		
	Apalone spinifera Aphelocoma californica	California scrub-jay	None/None * None/None	Reptiles Birds	BIRDS		JAYS, MAGPIES & CROWS	Trionychidae Corvidae	CORVIDAE	CROWS & JAYS	CORVIDAE—CROWS & JAYS		
I-LMBU	Apodemia mormo deserti Apodemia mormo langei	Lange's metalmark butterfly	None/None FE/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Riodinidae Riodinidae	RIODINIDAE RIODINIDAE	METALMARKS METALMARKS	RIODINIDAE—METALMARKS No	ot in NABA (2015), but on the SDNHM list of in NABA (2015), but on the Special Anim	
I-SOME I-BEME	Apodemia mormo mejicanus Apodemia mormo virgulti	Sonoran metalmark Behr's metalmark	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Riodinidae Riodinidae	RIODINIDAE RIODINIDAE	METALMARKS METALMARKS	RIODINIDAE—METALMARKS SD RIODINIDAE—METALMARKS	NHM Checklist - ssp not recognized by NA	BA
	Apodemia palmeri Aquila chrysaetos		None/None None/FP, WL	Invertebrates Birds	INVERTEBRATES BIRDS	Butterflies Hawks	BUTTERFLIES HAWKS	Riodinidae Accipitridae	RIODINIDAE ACCIPITRIDAE	METALMARKS HAWKS, KITES, EAGLES, & ALLIES	RIODINIDAE—METALMARKS ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES		
B-BCHU I-TIMO	Archilochus alexandri	black-chinned hummingbird	None/None None/None	Birds	BIRDS INVERTEBRATES	Hummingbirds Moths	HUMMINGBIRDS MOTHS	Trochilidae Arctiidae	TROCHILIDAE ARCTIIDAE	HUMMINGBIRDS TIGER MOTHS	TROCHILIDAE—HUMMINGBIRDS ARCTIIDAE—TIGER MOTHS		
	Ardea alba	great egret	None/None	Birds	BIRDS	Herons & Bitterns	HERONS & BITTERNS HERONS & BITTERNS	Ardeidae Ardeidae	ARDEIDAE ARDEIDAE	HERONS, BITTERNS, & ALLIES	ARDEIDAE—HERONS, BITTERNS, & ALLIES ARDEIDAE—HERONS. BITTERNS. & ALLIES		
B-RUTU	Ardea herodias Arenaria interpres	ruddy turnstone	None/None None/None	Birds Birds	BIRDS	Herons & Bitterns Shorebirds	SHOREBIRDS	Scolopacidae	SCOLOPACIDAE	HERONS, BITTERNS, & ALLIES SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
I-AZDA	Arenaria melanocephala Argea nahuana		None/None None/None	Birds Invertebrates	BIRDS INVERTEBRATE	Shorebirds Dragonflies & Damselflies	DRAGONFLIES AND DAMSE	Scolopacidae Le Coenagrionidae	SCOLOPACIDAE COENAGRIONIDAE	SANDPIPERS, PHALAROPES, & ALLIES POND DAMSELS	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES COENAGRIONIDAE—POND DAMSELS		
R-GLSN B-BESP	Arizona elegans Artemisiospiza belli		None/None None/None	Reptiles Birds	REPTILES BIRDS		NEW WORLD SPARROWS	Colubridae Passerellidae	COLUBRIDAE PASSERELLIDAE	COLUBRID SNAKES NEW WORLD SPARROWS	COLUBRIDAE—COLUBRID SNAKES PASSERELLIDAE—NEW WORLD SPARROWS		
B-SASP B-SEOW	Artemisiospiza nevadensis Asio flammeus	sagebrush sparrow	None/None BCC/SSC	Birds Birds	BIRDS BIRDS	New World Sparrows	NEW WORLD SPARROWS	Passerellidae Strigidae	PASSERELLIDAE STRIGIDAE	NEW WORLD SPARROWS TYPICAL OWLS	PASSERELLIDAE—NEW WORLD SPARROWS STRIGIDAE—TYPICAL OWLS		
B-LEOW	Asio otus	long-eared owl	BCC/SSC None/None		BIRDS REPTILES	Owls Lizards	OWLS LIZARDS	Strigidae Teiidae	STRIGIDAE TEIIDAE	TYPICAL OWLS WHIPTAIL LIZARDS	STRIGIDAE—TYPICAL OWLS TEIIDAE—WHIPTAIL LIZARDS		
R-TIWH	Aspidoscelis hyperythra beldingi Aspidoscelis tigris	-Bep	None/None	Reptiles Reptiles	REPTILES	Lizards	LIZARDS	Teiidae	TEIIDAE TEIIDAE	WHIPTAIL LIZARDS	TEIIDAE—WHIPTAIL LIZARDS SD	NHM Checklist - ssp not recognized by NA	BA
I-SACH	Aspidoscelis tigris stejnegeri Atalopedes campestris	sachem	None/SSC None/None	Reptiles Invertebrates	REPTILES INVERTEBRATES	Lizards Butterflies	LIZARDS BUTTERFLIES	Teiidae Hesperiidae	HESPERIIDAE	WHIPTAIL LIZARDS SKIPPERS	HESPERIIDAE—SKIPPERS	astal whiptail in Oct 2016 SA list.	
	Athene cunicularia Atlides halesus	great purple hairstreak	BCC/SSC None/None	Birds Invertebrates	BIRDS INVERTEBRATES	Owls Butterflies	BUTTERFLIES	Strigidae Lycaenidae	STRIGIDAE LYCAENIDAE	TYPICAL OWLS BLUES, HAIRSTREAKS, & COPPERS		NHM Checklist - ssp not recognized by NA	BA
B-VERD B-LESC	Auriparus flaviceps Aythya affinis		None/None None/None	Birds Birds	BIRDS BIRDS	Verdin Waterfowl	VERDIN WATERFOWL	Remizidae Anatidae	REMIZIDAE ANATIDAE	PENDULINE TITS & VERDINS DUCKS, GEESE, & SWANS	REMIZIDAE—PENDULINE TITS & VERDINS ANATIDAE—DUCKS, GEESE, & SWANS		
B-REDH B-RNDU	Aythya americana Aythya collaris	redhead	None/SSC None/None	Birds Birds	BIRDS BIRDS	Waterfowl Waterfowl	WATERFOWL	Anatidae Anatidae	ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS ANATIDAE—DUCKS, GEESE, & SWANS		
B-GRSC	Aythya marila	greater scaup	None/None	Birds	BIRD	Waterfowl	WATERFOWL WATERFOWL	Anatidae	ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS		
B-OATI	Aythya valisineria Baeolophus inornatus	oak titmouse	None/None BCC/None	Birds Birds	BIRDS	Waterfowl Titmice	TITMICE	Anatidae Paridae	PARIDAE	DUCKS, GEESE, & SWANS CHICKADEES & TITMICE	ANATIDAE—DUCKS, GEESE, & SWANS PARIDAE—CHICKADEES & TITMICE		
M-RING A-CASS	Bassariscus astutus Batrachoseps attenuatus		None/FP None/None	Mammals Amphibians	MAMMALS AMPHIBIANS	Raccoons Salamanders	RACCOONS SALAMANDERS	Procyonidae Plethodontidae	PROCYONIDAE PLETHODONTIDAE	RACCOONS & RELATIVES LUNGLESS SALAMANDERS	PLETHODONTIDAE—LUNGLESS SALAMANDERS	ngtaii is not included in 2017 Special Anim	als List because it is not tracked in CNDDB, but is FP http://www.dfg.ca.gov/wildlife/nongame/t_e_spp/fully_pro.html
A-PASS	Batrachoseps nigriventris Batrachoseps pacificus	black-bellied slender salamander Channel Islands slender salamander	None/None	Amphibians Amphibians	AMPHIBIANS AMPHIBIANS	Salamanders Salamanders	SALAMANDERS SALAMANDERS	Plethodontidae Plethodontidae	PLETHODONTIDAE PLETHODONTIDAE	LUNGLESS SALAMANDERS LUNGLESS SALAMANDERS	PLETHODONTIDAE—LUNGLESS SALAMANDERS PLETHODONTIDAE—LUNGLESS SALAMANDERS		
A-KCSS	Batrachoseps simatus Batrachoseps stebbinsi	Kern Canyon slender salamander Tehachapi slender salamander	None/ST None/ST	Amphibians Amphibians	AMPHIBIANS AMPHIBIANS	Salamanders Salamanders	SALAMANDERS SALAMANDERS	Plethodontidae Plethodontidae	PLETHODONTIDAE PLETHODONTIDAE	LUNGLESS SALAMANDERS LUNGLESS SALAMANDERS	PLETHODONTIDAE—LUNGLESS SALAMANDERS PLETHODONTIDAE—LUNGLESS SALAMANDERS		
I-PISW	Battus philenor Bombycilla cedrorum	pipevine swallowtail	None/None None/None	Invertebrates Birds	INVERTEBRATES BIRDS	Butterflies Waxwings	BUTTERFLIES WAXWINGS	Papilionidae Bombycillidae	PAPILIONIDAE BOMBYCILLIDAE	SWALLOWTAILS WAXWINGS	PAPILIONIDAE—SWALLOWTAILS BOMBYCILLIDAE—WAXWINGS		
M-AMBI	Bos bison Bos taurus	American bison	None/None None/None *		MAMMALS MAMMALS	Ungulates Domestic	UNGULATES DOMESTIC	Bovidae Bovidae	BOVIDAE BOVIDAE	BISON, GOATS & SHEEP BISON, GOATS & SHEEP	BOVIDAE—BISON, GOATS & SHEEP Pre	eviously Bison bison eviously Boa taurus	
B-AMBI	Botaurus lentiginosus	American bittern	None/None	Birds	BIRDS	Herons & Bitterns	HERONS & BITTERNS	Ardeidae	ARDEIDAE	HERONS, BITTERNS, & ALLIES	ARDEIDAE—HERONS, BITTERNS, & ALLIES		
I-COFS I-LHFS	Branchinecta conservatio Branchinecta longiantenna	longhorn fairy shrimp	FE/None FE/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Fairy Shrimp Fairy Shrimp	FAIRY SHRIMP FAIRY SHRIMP	Branchinectidae Branchinectidae	BRANCHINECTIDAE BRANCHINECTIDAE	FAIRY SHRIMP FAIRY SHRIMP	BRANCHINECTIDAE—FAIRY SHRIMP Ad	ided per Heather's request 10.7.21 ided per Heather's request 10.7.21	
C-VPFS C-SFSH	Branchinecta lynchi Branchinecta sandiegonensis	vernal pool fairy shrimp	FT/None FE/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Fairy Shrimp Fairy Shrimp	FAIRY SHRIMP FAIRY SHRIMP	Branchinectidae Branchinectidae	BRANCHINECTIDAE BRANCHINECTIDAE	FAIRY SHRIMP FAIRY SHRIMP	BRANCHINECTIDAE—FAIRY SHRIMP BRANCHINECTIDAE—FAIRY SHRIMP		
B-BRAN	Branta bernicla Branta canadensis	brant	None/SSC None/None	Birds Birds	BIRDS BIRDS	Waterfowl Waterfowl	WATERFOWL WATERFOWL	Anatidae Anatidae	ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS ANATIDAE—DUCKS, GEESE, & SWANS		
I-WPBL	Brephidium exile Bubo virginianus	western pygmy-blue	None/None None/None		INVERTEBRATES BIRDS	Butterflies Owls	BUTTERFLIES OWLS	Lycaenidae	LYCAENIDAE STRIGIDAE	BLUES, HAIRSTREAKS, & COPPERS TYPICAL OWLS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS STRIGIDAE—TYPICAL OWLS		
B-CAEG	Bubulcus ibis	cattle egret	None/None	Birds Birds	BIRDS BIRDS	Herons & Bitterns	HERONS & BITTERNS WATERFOWL	Ardeidae Anatidae	ARDEIDAE ANATIDAE	HERONS, BITTERNS, & ALLIES	ARDEIDAE—HERONS, BITTERNS, & ALLIES		
B-COGO	Bucephala albeola Bucephala clangula	common goldeneye	None/None None/None	Birds	BIRDS		WATERFOWL	Anatidae Anatidae	ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS ANATIDAE—DUCKS, GEESE, & SWANS		
B-RTHA	Bucephala islandica Buteo jamaicensis		None/SSC None/None	Birds Birds	BIRDS BIRDS	Waterfowl Hawks	WATERFOWL HAWKS	Anatidae Accipitridae	ANATIDAE ACCIPITRIDAE	DUCKS, GEESE, & SWANS HAWKS, KITES, EAGLES, & ALLIES	ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES	Ided Oct 2016 because included in the ker	ата гоокир тарге.
B_RLHA B-RSHA	Buteo lagopus Buteo lineatus	rough-legged hawk	None/None None/None	Birds Birds	BIRDS BIRDS	Hawks Hawks	HAWKS HAWKS	Accipitridae Accipitridae	ACCIPITRIDAE ACCIPITRIDAE	HAWKS, KITES, EAGLES, & ALLIES HAWKS, KITES, EAGLES, & ALLIES	ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES Ad ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES	lded Oct 2016 because included in the ker	ata lookup table.
B-FEHA	Buteo regalis Buteo swainsani	ferruginous hawk	None/WL None/ST	Birds Birds	BIRDS BIRDS	Hawks Hawks	HAWKS HAWKS	Accipitridae Accipitridae	ACCIPITRIDAE ACCIPITRIDAE	HAWKS, KITES, EAGLES, & ALLIES HAWKS, KITES, EAGLES, & ALLIES	ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES		
	Butorides virescens	green heron	None/None	Birds Invertebrates	BIRDS INVERTERRATES	Herons & Bitterns	HERONS & BITTERNS BUTTERFLIES	Ardeidae	ARDEIDAE RIODINIDAE	HERONS, BITTERNS, & ALLIES METALMARKS	ARDEIDAE—HERONS, BITTERNS, & ALLIES RIODINIDAE—METALMARKS		
I-WRME	Calephelis nemesis Calephelis wrighti		None/None None/None		INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES	Riodinidae Riodinidae	RIODINIDAE	METALMARKS	RIODINIDAE—METALMARKS		
B-DUNL	Calidris alba Calidris alpina	dunlin	None/None None/None	Birds Birds	BIRDS BIRDS	Shorebirds Shorebirds	SHOREBIRDS SHOREBIRDS	Scolopacidae Scolopacidae	SCOLOPACIDAE SCOLOPACIDAE	SANDPIPERS, PHALAROPES, & ALLIES SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
	Calidris canutus	red knot western sandpiper	None/None None/None		BIRDS BIRDS	Shorebirds Shorebirds	SHOREBIRDS SHOREBIRDS	Scolopacidae Scolopacidae	SCOLOPACIDAE SCOLOPACIDAE	SANDPIPERS, PHALAROPES, & ALLIES SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
B-REKN B-WESA	Calidris mauri					et and to the	SHOREBIRDS	Scolopacidae	SCOLOPACIDAE		SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
B-WESA B-LESA	Calidris minutilla	least sandpiper	None/None None/None	Birds Birds	BIRDS BIRDS	Shorebirds Shorebirds	SHOREBIRDS		SCOLOPACIDAE	SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
B-WESA B-LESA B-ROSA B-SURF		least sandpiper rock sandpiper surfbird	None/None None/None None/None None/None	Birds Birds				Scolopacidae Scolopacidae Odontophoridae				Ided Jan 2020	

I-BREL	Callophrys augustinus	brown elfin	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Lycaenidae	LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
I-BRHA I-IBHA	Callophrys dumetorum Callophrys dumetorum affinis	bramble hairstreak immaculate bramble hairstreak	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Lycaenidae Lycaenidae	LYCAENIDAE LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
	Callophrys eryphon Callophrys gryneus	western pine elfin juniper hairstreak	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Lycaenidae Lycaenidae	LYCAENIDAE LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
I-LIHA	Callophrys gryneus loki	Loki juniper hairstreak	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Lycaenidae	LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
I-NJHA I-TJHA	Callophrys gryneus nelsoni Callophrys gryneus thornei	Nelson's juniper hairstreak Thorne's juniper hairstreak	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Lycaenidae Lycaenidae	LYCAENIDAE LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
I-THHA M-SBGS	Callophrys spinetorum	thicket hairstreak San Bernardino ground squirrel	None/None None/None	Invertebrates Mammals	INVERTEBRATES MAMMALS	Butterflies Squirrels	BUTTERFLIES SQUIRRELS	Lycaenidae Sciuridae	LYCAENIDAE SCIURIDAE	BLUES, HAIRSTREAKS, & COPPERS SQUIRRELS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS SCIURIDAE—SQUIRRELS	Previously Spermophilus lateralis bernardin	
B-ANHU	Calypte anna	Anna's hummingbird	None/None	Birds	BIRDS	Hummingbirds	HUMMINGBIRDS	Trochilidae	TROCHILIDAE	HUMMINGBIRDS	TROCHILIDAE—HUMMINGBIRDS	SDNHM Checklist - ssp not recognized by N	ABA
	Calypte costae Campylorhynchus brunneicapillus	Costa's hummingbird cactus wren	BCC/None None/None	Birds Birds	BIRDS BIRDS	Hummingbirds Wrens	HUMMINGBIRDS WRENS	Trochilidae Troglodytidae	TROCHILIDAE TROGLODYTIDAE	HUMMINGBIRDS WRENS	TROCHILIDAE—HUMMINGBIRDS TROGLODYTIDAE—WRENS		
B-COCW	Campylorhynchus brunneicapillus sandiegensis Canis familiaris	coastal cactus wren	None/SSC None/None	* Birds * Mammals	BIRDS MAMMAIS	Wrens	WRENS DOMESTIC	Troglodytidae	TROGLODYTIDAE	WRENS WOLVES & FOXES	TROGLODYTIDAE—WRENS CANIDAE—WOLVES & FOXES	Description Comis Irano familiaria	
M-COYO	Canis latrans	domestic dog coyote	None/None	Mammals	MAMMALS	Domestic Canids	CANIDS	Canidae Canidae	CANIDAE	WOLVES & FOXES	CANIDAE—WOLVES & FOXES	Previously Canis Iupus familiaris	
	Capra hircus Carassius auratus	domestic goat goldfish	None/None None/None	* Mammals * Fishes	MAMMALS FISHES	Ungulates Minnows & Carps	UNGULATES MINNOWS & CARPS	Bovidae Cyprinidae	BOVIDAE CYPRINIDAE	BISON, GOATS & SHEEP MINNOWS & CARPS	BOVIDAE—BISON, GOATS & SHEEP CYPRINIDAE—MINNOWS & CARPS	Previously "goat". Common name updated	per Mammal Biodiversity Database 7.16.21
B-WIWA	Cardellina pusilla	Wilson's warbler	None/None	Birds	BIRDS BIRDS	Wood Warblers & Allies	WOOD WARBLERS & ALLIE	S Parulidae	PARULIDAE CARDINALIDAE	WOOD-WARBLERS	PARULIDAE—WOOD-WARBLERS		
M-NABE	Cardinalis sinuatus Castor canadensis	pyrrhuloxia North American beaver	None/None None/None	Birds Mammals	MAMMALS	Beaver	lie CARDINALS, GROSBEAKS & BEAVER	Castoridae	CASTORIDAE	CARDINALS & ALLIES BEAVERS	CARDINALIDAE—CARDINALS & ALLIES CASTORIDAE—BEAVERS	Previously "American beaver" in the family	Aplodontiidae. Common name and family updated per Mammal Biodiversity Database 7.16.21
	Cathartes aura Catharus guttatus	turkey vulture hermit thrush	None/None None/None	Birds Birds	BIRDS BIRDS	New World Vultures Thrushes	NEW WORLD VULTURES THRUSHES	Cathartidae Turdidae	CATHARTIDAE	NEW WORLD VULTURES THRUSHES	CATHARTIDAE—NEW WORLD VULTURES TURDIDAE—THRUSHES		
B-SWTH	Catharus ustulatus	Swainson's thrush	None/None	Birds	BIRDS BIRDS	Thrushes	THRUSHES	Turdidae	TURDIDAE TROGLODYTIDAE	THRUSHES	TURDIDAE—THRUSHES TROGLODYTIDAE—WRENS		
	Catherpes mexicanus Catostomus occidentalis	canyon wren Sacramento sucker	None/None None/None	Birds Fishes	FISHES	Wrens Suckers	WRENS SUCKERS	Troglodytidae Catostomidae	CATOSTOMIDAE	WRENS SUCKERS	CATOSTOMIDAE—SUCKERS	Added Oct 2016 because included in the ke	erata lookup table.
F-SASU	Catostomus santaanae Celistrina ladon [argiolus] echo	Santa Ana sucker echo blue	FT/None None/None	Fishes Invertebrates	FISHES INVERTEBRATES	Suckers Butterflies	SUCKERS BUTTERFLIES	Catostomidae Lycaenidae	CATOSTOMIDAE LYCAENIDAE	SUCKERS BLUES, HAIRSTREAKS, & COPPERS	CATOSTOMIDAE—SUCKERS LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS	Not in NABA (2015), but on the SDNHM list	
B-GRSG	Centrocercus urophasianus	greater sage-grouse	None/SSC	Birds	BIRDS	Quails, Pheasants & Relat	iv QUAILS, PHEASANTS & REL	A Phasianidae	PHASIANIDAE	PARTRIDGES, GROUSE, TURKEYS, & OLD	WCPHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OLI		
I-GBWN B-RHAU	Cercyonis sthenele Cerorhinca monocerata	Great Basin wood-nymph rhinoceros auklet	None/None None/WL	Invertebrates Birds	INVERTEBRATES BIRDS	Butterflies Sea Birds	BUTTERFLIES SEA BIRDS	Nymphalidae Alcidae	NYMPHALIDAE ALCIDAE	BRUSH-FOOTED BUTTERFLIES AUKLETS, PUFFINS, & RELATIVES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES ALCIDAE—AUKLETS, PUFFINS, & RELATIVES	Added Oct 2016 because included in the ke	erata lookup table.
B-BRCR M-WAP	Certhia americana Cervus canadensis	brown creeper	None/None None/None	Birds Mammals	BIRDS MAMMALS	Creepers Ungulates	CREEPERS UNGULATES	Certhiidae Cervidae	CERTHIIDAE CERVIDAE	CREEPERS DEERS	CERTHIIDAE—CREEPERS CERVIDAE—DEERS	split from C. elaphus; Also elk or tule elk	
M-WERI	Cervus elaphus	western red deer	None/None	Mammals	MAMMALS	Ungulates	UNGULATES	Cervidae	CERVIDAE	DEERS	CERVIDAE—DEERS	Previously "elk". Species split. See entry fo	"Cervus canadensis". Common name updated per Mammal Biodiversity Database 7.16.21.
	A Chaetodipus baileyi A Chaetodipus californicus	Bailey's pocket mouse California pocket mouse	None/None None/None	Mammals Mammals	MAMMALS MAMMALS	Pocket Mice Pocket Mice	POCKET MICE POCKET MICE	Heteromyidae Heteromyidae	HETEROMYIDAE HETEROMYIDAE	POCKET MICE & KANGAROO RATS POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS HETEROMYIDAE—POCKET MICE & KANGAROO RATS	SDNHM Checklist - ssp not recognized by N SDNHM Checklist - ssp not recognized by N	ABA ABA
	A Chaetodipus californicus femoralis	Dulzura pocket mouse	None/SSC	Mammals	MAMMALS MAMMAIS	Pocket Mice	POCKET MICE	Heteromyidae	HETEROMYIDAE	POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS	CDAILINA Chardelist and and engagined but h	ADA
M-NWP	M Chaetodipus fallax M Chaetodipus fallax fallax	San Diego pocket mouse northwestern San Diego pocket		Mammals Mammals	MAMMALS	Pocket Mice Pocket Mice	POCKET MICE POCKET MICE	Heteromyidae Heteromyidae	HETEROMYIDAE HETEROMYIDAE	POCKET MICE & KANGAROO RATS POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS HETEROMYIDAE—POCKET MICE & KANGAROO RATS		
	Chaetodipus formosus Chaetodipus penicillatus sobrinus	long-tailed pocket mouse desert pocket mouse	None/None None/None	Mammals Mammals	MAMMALS MAMMALS	Pocket Mice Pocket Mice	POCKET MICE POCKET MICE	Heteromyidae Heteromyidae	HETEROMYIDAE HETEROMYIDAE	POCKET MICE & KANGAROO RATS POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS HETEROMYIDAE—POCKET MICE & KANGAROO RATS		
M-PEPN	1 Chaetodipus rudinoris	Peninsular pocket mouse	None/None	Mammals	MAMMALS MAMMALS	Pocket Mice	POCKET MICE POCKET MICE	Heteromyidae	HETEROMYIDAE HETEROMYIDAE	POCKET MICE & KANGAROO RATS POCKET MICE & KANGAROO RATS		Prevously "Baja California pocket mouse";	Common name updated per Mammal Biodiversity Database 7.16.21.
B-VASW	Chaetodipus spinatus Chaetura vauxi	spiny pocket mouse Vaux's swift	None/None BCC/SSC	Mammals Birds	BIRDS	Pocket Mice Swifts	SWIFTS	Heteromyidae Apodidae	APODIDAE	SWIFTS	APODIDAE—SWIFTS		
	Chamaea fasciata Charadrius montanus	wrentit mountain plover	BCC/None BCC/SSC	Birds Birds	BIRDS BIRDS	Typical Warblers, Parrotb Shorebirds	SHOREBIRDS	OT Sylviidae Charadriidae	SYLVIIDAE CHARADRIIDAE	SYLVIID WARBLERS LAPWINGS & PLOVERS	SYLVIIDAE—SYLVIID WARBLERS CHARADRIIDAE—LAPWINGS & PLOVERS		
B-SNPL	Charadrius nivosus	snowy plover	None/None	Birds	BIRDS	Shorebirds	SHOREBIRDS	Charadriidae	CHARADRIIDAE	LAPWINGS & PLOVERS	CHARADRIIDAE—LAPWINGS & PLOVERS	formerly mastiff bat	TWO and DNA annual trace Continues to the Continue to the Continues to the
	Charadrius semipalmatus	western snowy plover semipalmated plover	FT, BCC/SSC None/None	Birds Birds	BIRDS	Shorebirds Shorebirds	SHOREBIRDS SHOREBIRDS	Charadriidae Charadriidae	CHARADRIIDAE CHARADRIIDAE	LAPWINGS & PLOVERS LAPWINGS & PLOVERS	CHARADRIIDAE—LAPWINGS & PLOVERS CHARADRIIDAE—LAPWINGS & PLOVERS	opdated sci name to account for the fact the	nat FWS and BNA account uses C. nivosus nivosus; however, CDFW uses C. alexandrinus nivosus
B-KILL R-SRBO	Charadrius vociferus Charina umbratica	killdeer southern rubber boa	None/None None/ST	Birds Reptiles	BIRDS REPTILES	Shorebirds Snakes	SHOREBIRDS SNAKES	Charadriidae Boidae	CHARADRIIDAE BOIDAE	LAPWINGS & PLOVERS BOAS	CHARADRIIDAE—LAPWINGS & PLOVERS BOIDAE—BOAS		
R-MSNS	Chionactis occipitalis	Mohave shovel-nosed snake	None/None	Reptiles	REPTILES	Snakes	SNAKES	Colubridae	COLUBRIDAE	COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES	Common name is per Crother (2017); Previ	ously western shovel-nosed snake
B-BLTE I-SAHA	Chlidonias niger Chlorostrymon simaethis sarita	black tern Sarita hairstreak	BCC/SSC None/None	Birds Invertebrates	BIRDS INVERTEBRATES	Terns & Gulls Butterflies	TERNS & GULLS BUTTERFLIES	Laridae Lycaenidae	LYCAENIDAE LYCAENIDAE	GULLS, TERNS, & SKIMMERS BLUES, HAIRSTREAKS, & COPPERS	LARIDAE—GULLS, TERNS, & SKIMMERS LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS	Not in NABA (2015), but on the SDNHM lis	
I-CAPA I-GACH	Chlosyne californica	California patch Gabb's checkerspot	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Nymphalidae	NYMPHALIDAE NYMPHALIDAE	BRUSH-FOOTED BUTTERFLIES BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
I-BOPA	Chlosyne lacinia	bordered patch	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Nymphalidae Nymphalidae	NYMPHALIDAE	BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
M-MLB/ B-LASP	A Choeronycteris mexicana Chondestes grammacus	Mexican long-tongued bat lark sparrow	None/SSC None/None	Mammals Birds	MAMMALS BIRDS	Bats New World Sparrows	NEW WORLD SPARROWS	Phyllostomidae Passerellidae	PHYLLOSTOMIDAE PASSERELLIDAE	LEAF-NOSED BATS NEW WORLD SPARROWS	PHYLLOSTOMIDAE—LEAF-NOSED BATS PASSERELLIDAE—NEW WORLD SPARROWS	includes feral cats	
B-LENI	Chordeiles acutipennis Chordeiles minor	lesser nighthawk	None/None None/None	Birds Birds	BIRDS BIRDS	Goatsuckers	GOATSUCKERS GOATSUCKERS	Caprimulgidae	CAPRIMULGIDAE CAPRIMULGIDAE	GOATSUCKERS GOATSUCKERS	CAPRIMULGIDAE—GOATSUCKERS CAPRIMULGIDAE—GOATSUCKERS	SDNHM Checklist - ssp not recognized by N	ABA
	Chroicocephalus philadelphia	common nighthawk Bonaparte's gull	None/None None/None	Birds	BIRDS	Goatsuckers Terns & Gulls	TERNS & GULLS	Caprimulgidae Laridae	LARIDAE	GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS		
R-PATU B-AMDI	Chrysemys picta Cinclus mexicanus	painted turtle American dipper	None/None BCC/None	* Reptiles Birds	REPTILES BIRDS	Turtles Dippers	TURTLES DIPPERS	Emydidae Cinclidae	EMYDIDAE CINCLIDAE	BOX & WATER TURTLES DIPPERS	EMYDIDAE—BOX & WATER TURTLES CINCLIDAE—DIPPERS	Added Oct 2016 because included in the ke	orata lookun tabla
B-NOHA	Circus hudsonius	northern harrier	BCC/SSC	Birds	BIRDS	Hawks	HAWKS	Accipitridae	ACCIPITRIDAE	HAWKS, KITES, EAGLES, & ALLIES	ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES	Added Set 2010 Seconds mended in the M	total total total.
	R Cistothorus palustris I Cistothorus palustris clarkae	marsh wren Clark's marsh wren	None/None None/SSC	Birds Birds	BIRDS BIRDS	Wrens Wrens	WRENS WRENS	Troglodytidae Troglodytidae	TROGLODYTIDAE TROGLODYTIDAE	WRENS WRENS	TROGLODYTIDAE—WRENS TROGLODYTIDAE—WRENS		
B-LTDU B-EVGR	Clangula hyemalis	long-tailed duck evening grosbeak	None/None BCC/None	Birds Birds	BIRDS BIRDS	Waterfowl Finches	WATERFOWL	Anatidae Fringillidae	ANATIDAE FRINGILLIDAE	DUCKS, GEESE, & SWANS FRINGILLINE & CARDLIELINE FINCHES &	ANATIDAE—DUCKS, GEESE, & SWANS ALL FRINGILLIDAE—FRINGILLINE & CARDUELINE FINCHES &	A SDNHM Checklist - ssn not recognized by N	ARA
B-YBCU	Coccyzus americanus	yellow-billed cuckoo	None/None	Birds	BIRDS	Roadrunners & Cuckoos	ROADRUNNERS & CUCKOO	OS Cuculidae	CUCULIDAE	CUCKOOS, ROADRUNNERS, & ANIS	CUCULIDAE—CUCKOOS, ROADRUNNERS, & ANIS	2 Made William Checking Supplied by In	
B-WYBC I-CCRI	Coccyzus americanus occidentalis Coenonympha tullia california	western yellow-billed cuckoo common california ringlet	FT/SE None/None	Birds Invertebrates	BIRDS INVERTEBRATES	Roadrunners & Cuckoos Butterflies	ROADRUNNERS & CUCKOO BUTTERFLIES	OS Cuculidae Nymphalidae	CUCULIDAE NYMPHALIDAE	CUCKOOS, ROADRUNNERS, & ANIS BRUSH-FOOTED BUTTERFLIES	CUCULIDAE—CUCKOOS, ROADRUNNERS, & ANIS NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
B-RSFL R-SBGE	Colaptes auratus Coleonyx switaki	northern flicker Switak's banded gecko	None/None None/ST	Birds Reptiles	BIRDS REPTILES	Woodpeckers Lizards	WOODPECKERS LIZARDS	Picidae Gekkonidae	PICIDAE GEKKONIDAE	WOODPECKERS & ALLIES GECKOS	PICIDAE—WOODPECKERS & ALLIES GEKKONIDAE—GECKOS		
R-WBGE	Coleonyx variegatus	western banded gecko	None/None	Reptiles	REPTILES	Lizards	LIZARDS	Gekkonidae	GEKKONIDAE	GECKOS	GEKKONIDAE—GECKOS		
I-SODO I-CODO	Colias cesonia Colias eurydice	southern dogface California dogface	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Pieridae Pieridae	PIERIDAE PIERIDAE	WHITES & SULFURS WHITES & SULFURS	PIERIDAE—WHITES & SULFURS PIERIDAE—WHITES & SULFURS		
	Colias eurytheme Colias harfordii	orange sulphur Harford's sulphur	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Pieridae Pieridae	PIERIDAE PIERIDAE	WHITES & SULFURS WHITES & SULFURS	PIERIDAE—WHITES & SULFURS PIERIDAE—WHITES & SULFURS	Not in NABA (2015), but on the SDNHM list	
I-SBSM	Coloradia velda	San Bernardino Mountains silk n	noti None/None	Invertebrates	INVERTEBRATES	Moths	MOTHS	Saturniidae	SATURNIIDAE	SATURNIIDS	SATURNIIDAE—SATURNIIDS	NOT IT WADA (2013), but on the 3DM IN IS	
R-COAC R-SJCW	Coluber flagellum Coluber flagellum ruddocki	coachwhip San Joaquin coachwhip	None/None None/None	Reptiles Reptiles	REPTILES REPTILES	Snakes Snakes	SNAKES SNAKES	Colubridae Colubridae	COLUBRIDAE COLUBRIDAE	COLUBRID SNAKES COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES COLUBRIDAE—COLUBRID SNAKES		
R-STRA	Coluber lateralis Columba livia	striped racer	None/None	Reptiles	REPTILES	Snakes	SNAKES	Colubridae	COLUBRIDAE	COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES COLUMBIDAE—PIGEONS & DOVES		
B-COGD	Columbina passerina	rock pigeon (rock dove) common ground dove	None/None None/None	* Birds Birds	BIRDS BIRDS	Pigeons & Doves Pigeons & Doves	PIGEONS & DOVES PIGEONS & DOVES	Columbidae Columbidae	COLUMBIDAE COLUMBIDAE	PIGEONS & DOVES PIGEONS & DOVES	COLUMBIDAE—PIGEONS & DOVES	Previously "common ground-dove"	
	Contopus cooperi Contopus sordidulus	olive-sided flycatcher western wood-pewee	BCC/SSC None/None	Birds Birds	BIRDS BIRDS	Flycatchers Flycatchers	FLYCATCHERS FLYCATCHERS	Tyrannidae Tyrannidae	TYRANNIDAE TYRANNIDAE	TYRANT FLYCATCHERS TYRANT FLYCATCHERS	TYRANNIDAE—TYRANT FLYCATCHERS TYRANNIDAE—TYRANT FLYCATCHERS		
I-ORSK	Copaeodes aurantiacus	orange skipperling	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Hesperiidae	HESPERIIDAE	SKIPPERS	HESPERIIDAE—SKIPPERS		
B-RCKI B-AMCR		ruby-crowned kinglet American crow	None/None None/None	Birds Birds	BIRDS BIRDS	Kinglets Jays, Magpies & Crows	JAYS, MAGPIES & CROWS		REGULIDAE CORVIDAE	KINGLETS CROWS & JAYS	REGULIDAE—KINGLETS CORVIDAE—CROWS & JAYS	nerospermophilus (Helgen et al. 2009); Pre	viously Regulus calendula, but updated 7.12.21 per AOS supplement.
	Corvus corax Corynorhinus townsendii	common raven Townsend's big-eared bat	None/None None/SSC	Birds Mammals	BIRDS MAMMALS	Jays, Magpies & Crows Bats	JAYS, MAGPIES & CROWS BATS		CORVIDAE VESPERTILIONIDAE	CROWS & JAYS EVENING BATS	CORVIDAE—CROWS & JAYS VESPERTILIONIDAE—EVENING BATS		
F-PRSC	Cottus asper	prickly sculpin western diamond-backed rattles	None/None	Fishes	FISHES	Other Bony Fishes	OTHER BONY FISHES	Cottidae	COTTIDAE	SCULPINS	COTTIDAE—SCULPINS		
R-SIDE	Crotalus atrox Crotalus cerastes	sidewinder	None/None	Reptiles Reptiles	REPTILES REPTILES	Snakes Snakes	SNAKES SNAKES	Viperidae Viperidae	VIPERIDAE VIPERIDAE	VIPERS VIPERS	VIPERIDAE—VIPERS VIPERIDAE—VIPERS		
R-WERA	Crotalus oreganus Crotalus pyrrhus	western rattlesnake southwestern speckled rattlesna	None/None ke None/None	Reptiles Reptiles	REPTILES REPTILES	Snakes Snakes	SNAKES SNAKES	Viperidae Viperidae	VIPERIDAE VIPERIDAE	VIPERS VIPERS	VIPERIDAE—VIPERS VIPERIDAE—VIPERS	Per Crother (2017): Crotalus purchus is a co	ecies distinct from Crotalus mitchellii of Baja California; Previously speckled rattlesnake (Crotalus mitchellii
R-RDRA	Crotalus ruber	red diamond rattlesnake	None/SSC	Reptiles	REPTILES	Snakes	SNAKES	Viperidae	VIPERIDAE	VIPERS	VIPERIDAE—VIPERS		ecies district from Crotatis fritchenii of Baja Cantornia, Previously speckied fattieshake (Crotatis fritchenii k. Changed common name to match Crother (2017) in Oct 2018; Previously red diamondback rattlesnake
	Crotalus scutulatus Crotaphytus bicinctores	Mohave rattlesnake Great Basin collared lizard	None/None None/None	Reptiles Reptiles	REPTILES REPTILES	Snakes Lizards	SNAKES LIZARDS	Viperidae Crotaphytidae	VIPERIDAE CROTAPHYTIDAE	VIPERS COLLARED LIZARDS	VIPERIDAE—VIPERS CROTAPHYTIDAE—COLLARED LIZARDS		
	Crotaphytus vestigium	Baja California collared lizard	None/None None/None	Reptiles	REPTILES BIRDS	Lizards	LIZARDS JAYS, MAGPIES & CROWS	Crotaphytidae Corvidae	CROTAPHYTIDAE CORVIDAE	COLLARED LIZARDS CROWS & JAYS	CROTAPHYTIDAE—COLLARED LIZARDS CORVIDAE—CROWS & JAYS		
B-TUSW	Cyanocitta stelleri Cygnus columbianus	Steller's jay Tundra swan	None/None	Birds Birds	BIRDS	Jays, Magpies & Crows Waterfowl	WATERFOWL	Anatidae	ANATIDAE	DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS		
B-MUSV	V Cygnus olor Cyprinodon macularius	mute swan desert pupfish	None/None FE/SE	Birds Fishes	BIRDS FISHES	Waterfowl Pupfish	WATERFOWL PUPFISH	Anatidae Cyprinodontidae	ANATIDAE CYPRINODONTIDAE	DUCKS, GEESE, & SWANS PUPFISH	ANATIDAE—DUCKS, GEESE, & SWANS CYPRINODONTIDAE—PUPFISH	Added Oct 2016 because included in the kill Added Oct 2016 because included in the kill	
F-COCA	Cyprinus carpio	common carp black swift	None/None BCC/SSC	* Fishes Birds	FISHES BIRDS	Minnows & Carps Swifts	MINNOWS & CARPS SWIFTS	Cyprinidae Apodidae	CYPRINIDAE APODIDAE	MINNOWS & CARPS SWIFTS	CYPRINIDAE—MINNOWS & CARPS APODIDAE—SWIFTS		
I-QUEE	Cypseloides niger	queen	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Nymphalidae	NYMPHALIDAE	BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
	Danaus gilippus		FC/None	Invertebrates	INVERTEBRATES	Butterflies Bats	BUTTERFLIES BATS	Nymphalidae Vespertilionidae	NYMPHALIDAE VESPERTILIONIDAE	BRUSH-FOOTED BUTTERFLIES EVENING BATS	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES VESPERTILIONIDAE—EVENING BATS	in Oct 2016 SA list. Previously Lasiurus ega	
M-SYBA	Danaus plexippus	monarch southern yellow bat	None/None	Mammals	MAMMALS		BATS	Vespertilionidae	VESPERTILIONIDAE	EVENING BATS	VESPERTILIONIDAE—EVENING BATS	Previously Lasiurus xanthinus	
M-WEYE	Danaus plexippus Dasypterus ega Dasypterus xanthinus	southern yellow bat western yellow bat	None/None None/SSC	Mammals Mammals	MAMMALS	Ougile Phonones 9 2 11 1	OHALIS BUENCANTE C SEL			DADTDIDGES COOLICE THIRVEYS & OLD		D WORLD OLIVII	
M-WEYE B-SOGR B-DUGR	Danaus plexippus Dasypterus ega Dasypterus vanthinus Dendragapus fuliginasus Dendragapus obscurus	southern yellow bat western yellow bat sooty grouse dusky grouse	None/None None/SSC None/None None/None	Mammals Mammals Birds Birds	MAMMALS BIRDS BIRDS	Quails, Pheasants & Relat	ivi QUAILS, PHEASANTS & REL ivi QUAILS, PHEASANTS & REL		PHASIANIDAE PHASIANIDAE	PARTRIDGES, GROUSE, TURKEYS, & OLD	WCPHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OLI WCPHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OLI		
M-WEYE B-SOGR B-DUGR B-FUWE	Danaus plexippus Dasypterus ega 3 Dasypterus xanthinus Dendragapus fuliginasus	southern yellow bat western yellow bat sooty grouse dusky grouse fulvous whistling-duck	None/None None/SSC None/None None/None None/SSC	Mammals Mammals Birds	MAMMALS BIRDS								
M-WEYE B-SOGR B-DUGR B-FUWE I-VELB R-RISN	Donaus plevippus Dasypterus ega Dasypterus santhinus Dendragapus fuliginasus Dendragapus obscurus Dendracypan obscurus Desmocerus colifornicus dimorphus Diodophis punctatus	southern yellow bat western yellow bat sooty grouse dusky grouse fulvous whistling-duck valley elderberry longhorn beetl ring-necked snake	None/None None/SSC None/None None/None None/None None/SSC ET/None None/None None/Non	Mammals Mammals Birds Birds Birds Birds Reptiles	MAMMALS BIRDS BIRDS BIRDS INVERTEBRATES REPTILES	Quails, Pheasants & Relat Waterfowl Beetles Snakes	WATERFOWL BEETLES SNAKES	A Phasianidae Anatidae Cerambycidae Colubridae	PHASIANIDAE ANATIDAE CERAMBYCIDAE COLUBRIDAE	PARTRIDGES, GROUSE, TURKEYS, & OLD DUCKS, GEESE, & SWANS LONGHORN BEETLES COLUBRID SNAKES	W PHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OLI ANATIDAE—DUCKS, GEESE, & SWANS CERAMBYCIDAE—LONGHORN BEETLES COLUBRIDAE—COLUBRID SNAKES	D WORLD QUAIL	
M-WEYE B-SOGR B-DUGR B-FUWE I-VELB	Danaus plexippus Dasypterus ega Dasypterus xanthinus Dendragapus fuliginasus Dendragapus obscurus Dendracygna bicolar Desmacrus californicus dimorphus Diodophis punctatus Diodophis punctatus madestus	southern yellow bat western yellow bat sooty grouse dusky grouse fulvous whistling-duck valley elderberry longhorn beetl	None/None None/SSC None/None None/None None/None None/SSC ET/None None/None None/Non	Mammals Mammals Birds Birds Birds Invertebrates	MAMMALS BIRDS BIRDS BIRDS INVERTEBRATES	Quails, Pheasants & Relat Waterfowl Beetles	VI QUAILS, PHEASANTS & REL WATERFOWL BEETLES	A Phasianidae Anatidae Cerambycidae	PHASIANIDAE ANATIDAE CERAMBYCIDAE	PARTRIDGES, GROUSE, TURKEYS, & OLD DUCKS, GEESE, & SWANS LONGHORN BEETLES	WCPHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OLI ANATIDAE—DUCKS, GEESE, & SWANS CERAMBYCIDAE—LONGHORN BEETLES		SA list.
M-WEYI B-SOGR B-DUGR B-FUWE I-VELB R-RISN R-SBRS M-VIOPP M-AGRE	Donaus plexippus Dosypterus ega Dosypterus xonthinus Dendragapus fuliginasus Dendragapus obscurus Dendracygna bicolar Dendracygna bicolar Desmocrus californicus dimorphus Diodophis punctatus Diodophis punctatus Diodophis vigriniana Diodophis vigriniana Diodophis vigriniana Diodophis vigriniana	southern yellow bat western yellow bat sooty grouse dusky grouse fulvous whistling-duck valley elderberry longhorn beetl ring-necked snake San Bernardino ring-necked snal Virginia opossum agile kangaroo rat	None/None	Mammals Mammals Birds Birds Birds Invertebrates Reptiles Reptiles Mammals Mammals	MAMMALS BIRDS BIRDS BIRDS INVERTEBRATES REPTILES REPTILES MAMMALS MAMMALS	Quails, Pheasants & Relat Waterfowl Beetles Snakes Snakes Opossums Kangaroo Rats	W QUAILS, PHEASANTS & REL WATERFOWL BEETLES SNAKES SNAKES OPOSSUMS KANGAROO RATS	A Phasianidae Anatidae Cerambycidae Colubridae Colubridae Didelphidae Heteromyidae	PHASIANIDAE ANATIDAE CERAMBYCIDAE COLUBRIDAE COLUBRIDAE DIDELPHIDAE HETEROMYIDAE	PARTRIDGES, GROUSE, TURKEYS, & OLD DUCKS, GEESE, & SWANS LONGHORN BETTLES COLUBRID SNAKES COLUBRID SNAKES NEW WORLD OPOSSUMS POCKET MICE & KANGAROO RATS	WØPHASIANIDAE — PARTRIDGES, GROUSE, TURKEYS, & OLI ANATIORAE — POUCKS, GEESE, & SWANS CERAMBYCIDAE — LONGHORN BEETLES COLUBRIDAE — COLUBRID SHARES COLUBRIDAE — COLUBRID SHARES DIDELPHIDAE — NEW WORLD OPOSSUMS HETEROMYIDBAE — POCKET MICE & KANCAROO RATS	D WORLD QUAIL	SA list.
M-WEYE B-SOGR B-DUGR B-FUWE I-VELB R-RISM R-SBRS M-VIOP M-AGKR M-DEKR M-HEKR	Donaus plexippus Dosypterus sequ Dosypterus xonthinus Dendroppus fulginosus Dendrocypus bicolor Dendrocypus bicolor Dendrocypus bicolor Dendrocypus bicolor Dendrocypus bicolor Dendrocypus bicolor Diodophis punctatus Didephis virginiana Dipodomys galis Dipodomys deserti Dipodomys deserti Dipodomys deserti	southern yellow bat western yellow bat sooty grouse dusky grouse fulvous whistling-duck valley elderberry longhorn beetl ring-necked snake San Bernardino ring-necked snak Virginia oposom agile kangaroo rat desert kangaroo rat Heermann's kangaroo rat	None/None	Mammals Mammals Birds Birds Birds Invertebrates Reptiles Mammals Mammals Mammals	MAMMALS BIRDS BIRDS BIRDS BIRDS INVERTEBRATES REPTILES REPTILES MAMMALS MAMMALS MAMMALS MAMMALS	Quails, Pheasants & Relat Waterfowl Beetles Snakes Snakes Opossums Kangaroo Rats Kangaroo Rats Kangaroo Rats	W QUAILS, PHEASANTS & REL WATERFOWL BEETLES SNAKES SNAKES OPOSSUMS KANGAROO RATS KANGAROO RATS KANGAROO RATS KANGAROO RATS	A Phasianidae Anatidae Cerambycidae Colubridae Colubridae Didelphidae Heteromyidae Heteromyidae Heteromyidae	PHASIANIDAE ANATIDAE CERAMBYCIDAE COLUBRIDAE COLUBRIDAE DIDEIPHIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE	PARTRIDGES, GROUSE, TURKEYS, & OLD DUCKS, GEESE, & SWANS LONGHORN BEFILES COLUBRID SNAKES COLUBRID SNAKES NEW WORLD OPOSSUMS POCKET MICE & KANGAROO RATS	WPM-ASIANIDAE—PARTIDIGES, GROUSE, TURKEYS, & OLI ANATIDAE—DOUGS, GEESE, & SWANS GERAMBYCIDAE—LONGHORN BEETLES COLUBRIDAE—COLUBRID SNAKES COLUBRIDAE—COLUBRID SNAKES COLUBRIDAE—COLUBRID SNAKES DIDEPHIDAE—NEW WORLD OPOSSUMS HETEROMYIDAE—POCKET MICE & KANGAROO RATS HETEROMYIDAE—POCKET MICE & KANGAROO RATS HETEROMYIDAE—POCKET MICE & KANGAROO RATS	D WORLD QUAIL San Bernardino ringneck snake in Oct 2016	
M-WEY; B-SOGR B-DUGR B-FUWW I-VELB R-RISN R-SBRS M-VIOP M-AGKR M-DEKR M-CKRA	Danous plexippus Dasypterus sega Dasypterus xonthinus Dendragapus fulipinosus Dendragapus obscurus Dendrocygna bicolor Dendrocygna bicolor Desmocrus culfornicus dimarphus Diadaphis punctatus Diadaphis punctatus modestus Didelphis virginiana Dipodomys agilis Dipodomys deserti	southern yellow bat western yellow bat soohy grouse dusky grouse fulvous whistling-duck valley elderberry longhorn beetl ring-necked sinsk San Bernardino ring-necked snal Virgina opossur agele kangaroo rat desert kangaroo rat Heermann's kangaroo rat glant kangaroo rat	None/None	Mammals Mammals Birds Birds Birds Invertebrates Reptiles Mammals Mammals	MAMMALS BIRDS BIRDS BIRDS BIRDS INVERTERATES REPTILES REPTILES MAMMALS MAMMALS MAMMALS	Quails, Pheasants & Relat Waterfowl Beetles Snakes Snakes Opossums Kangaroo Rats Kangaroo Rats	W QUAILS, PHEASANTS & REL WATERFOWL BEETLES SNAKES SNAKES SNAKES OPOSSUMS KANGAROO RATS KANGAROO RATS	A Phasianidae Anatidae Cerambycidae Colubridae Colubridae Didelphidae Heteromyidae Heteromyidae	PHASIANIDAE ANATIDAE CERAMBYCIDAE COLUBRIDAE COLUBRIDAE DIDLEPHIDAE HETEROMYIDAE HETEROMYIDAE	PARTRIDGES, GROUSE, TURKEYS, & OLD LOCKS, GEESE, & SWANS LONGHORN BEETLES COLUBRID SNAKES COLUBRID SNAKES NEW WORLD OPOSSUMS POCKET MICE & KANGAROO RATS POCKET MICE & KANGAROO RATS	WØPHASJANIDAE — PARTRIDGES, GROUSE, TURKEYS, & OLI ANATIDAE — DUCKS, GEESE, & SWANS CERAMBYCIDAE — LONGHORN BEETLES COLUBRIDAE — COLUBRID SNAKES COLUBRIDAE — COLUBRID SNAKES DIDELPHIDAE — NEW WORLD OPCSSUMS HETEROMYIDAE — POCKET MICE & KANGAROO RATS HETEROMYIDAE — POCKET MICE & KANGAROO RATS	D WORLD QUAIL San Bernardino ringneck snake in Oct 2016	
MWEY, BSOGR B-DUGR B-FUWM I-VELB R-RISN R-SBRS M-VICP M-AGKF M-DERR M-HERR M-KRA-M-M-KKRA-M-M-KKRA-M-M-MKKRA-M-AMKI	Danaus plexippus Dasypterus ega Dasypterus santhinus Dendragopus fuliginasus Dendragopus Ostacrus Dendragopus Ostacrus Dendragopus Ostacrus Dendragopus Ostacrus Dendragopus Ostacrus Dendragopus Ostacrus Dindophis punctatus Diodophis punctatus Diodomys Ostacrus Dipodomys Ostacrus Dipodomys Dipodomys Ingers Dipodomys Ingers Dipodomys Ingers Dipodomys Ingers Dipodomys merriami Dipodomys merriami collinus	southern yellow bat western yellow bat soohy grouse dusky grouse tulvous whistling-duck valley elderberry longhorn beetl ring-necked snak Virgina oposava agele kangaroo rat desert kangaroo rat Heermann's kangaroo rat Meriam's kangaroo rat Meriam's kangaroo rat Meriam's kangaroo rat	None/None	Mammals Mammals Mammals Birds Birds Birds Invertebrates Reptiles Reptiles Mammals Mammals Mammals Mammals Mammals Mammals	MAMMALS BIRDS BIRDS BIRDS BIRDS BIRDS BIRDS INVERTREBRATES REPTILES MAMMALS	Qualis, Pheasants & Relat Waterfowl Beetles Snakes Snakes Opossums Kangaroo Rats	INV QUALIS, PHEASANTS & REL WATERFOWL BEFTLES SNAKES SNAKES SNAKES OPOSSUMS KANGAROO RATS	Af Phasianidae Anatidae Cerambycidae Colubridae Colubridae Didelphidae Heteromyidae Heteromyidae Heteromyidae Heteromyidae Heteromyidae Heteromyidae	PHASAMIDAE ANATIDAE CERAMBYCIDAE COLUBRIDAE COLUBRIDAE COLUBRIDAE DIDELPHIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE	PARTINGES, GROUSE, TURKEYS, & OLD DUCKS, GEESE, & SWANS LONGHORN BEETLES COLUBRID SNAKES COLUBRID SNAKES NEW WORLD OPOSSUMS POCKET MICE & KANGAROO RATS	WØPHASIANIDAE – PARTRIDGES, GROUSE, TURKEYS, & OLI ANATIDAE – DUCKS, GEESE, & SWANS CERAMMYCIDAE – LONGHORM BEFILES COLUBRIDAE – COLUBRID SNAKES COLUBRIDAE – COLUBRID SNAKES DIDEPHIDAE – MEW WORLD OPOSSUMS HETEROMYDIAE – POCKET MICE & KANGAROO RATS	D WORLD QUAIL San Bernardino ringneck snake in Oct 2016	
M-WEY! B-SOGR B-DUGR B-FUWC I-VELB R-RISN R-SBRS M-VIOP M-AGKE M-DER M-M-EKR M-M-KRR M-M-KRR M-M-KRR M-M-KRR M-M-KRR	Donous plexippus Dosypterus ega Dosypterus vanthinus Dendragapus fuliginosus Dendragapus biscurus Dendracygna biscolor Desmocrus californicus dimorphus Diodophis punctatus Diodophis punctatus Diodophis punctatus madestus Diodophis punctatus madestus Diodophis penetratus madestus Diodomys pieserami Dipodamys bermanni Dipodamys hermanni Dipodomys merriami Dipodomys merriami Dipodomys merriami collinus Dipodomys merriami ravus Dipodomys merriami parvus Dipodomys merriami parvus	southern yellow bat western yellow bat sook grouse fulvous whistling duck valley elderberry longhron beetl ring enceded smooten San Bernardino ring necked snal Virginia opossum jagle kangaroo rat desert kangaroo rat Heerman's kangaroo rat Meriam's kangaroo rat	None/None	Mammals Birds Birds Birds Birds Invertebrates Reptiles Reptiles Mammals	MAMMALS BIRDS BIRDS BIRDS BIRDS BIRDS INVERTERRATES REPTILES MAMMALS	Quals, Phesants & Relat Waterfowl Geetles Snakes Snakes Opossums Kangaroo Rats	WOUNLIS, PHEASANTS & REL WATERFOWL BEETLES SNAKES SNAKES SNAKES OPOSSUMS KANIGAROO RATS	A Phasainidae Anatidae Cerambycidae Colubridae Colubridae Ciolubridae Didelphidae Heteromydae Heteromydae Heteromydae Heteromydae Heteromydae Heteromydae	PHASIANIDAE AMATIDAE CERAMBYCIDAE COLUBRIDAE COLUBRIDAE COLUBRIDAE DIOELPHIDAE HETEROMYIDAE	PARTRIDGES, GROUSE, TURKEYS, & OLD JUCKS, GEESE, & SWAN'S LONGHORN BEETLES COLUBRID SHAKES OCULBRID SHAKES NEW WORLD OPOSSUMS POCKET MICE & KANGAROO RATS	WØPHASIANIDAE —PARTEIDGES, GROUSE, TURKEYS, & OLI ANATORAE—POUCS, GEESE, & SWANS CERAMBYCIDAE—LONGHORN BEETLES COLUBRIDAE—COLUBRID SNAKES DIDELPHIDAE—COLUBRID SNAKES DIDELPHIDAE—MEW WORLD OPOSSUMS HETEROMYDIAE—POCKET MICE & KANGAROO RATS	D WORLD QUAIL San Bernardino ringneck snake in Oct 2016	
M-WEYL B-SOGR B-DUGR B-FUWE I-VELB R-RISN N-S9RS M-VIOP M-AGKE M-HERR M-HERR M-MEKE M-MK-MK M-SBKB M-MK-MK M-MK MK M-MK MK M-MK MK M-MK MK M-MK MK MK M-MK MK M	Donous plexippus Dosypterus sequ Dosypterus sonthinus Dendragopus filiginosus Dendragopus filiginosus Dendragopus obscurus Dendragopus obscurus Dendragopus obscurus Dendragopus plicalor Desmocreus scilifornicus dimorphus Dodophis punctatus Dodophis punctatus Dodophis punctatus Dodophis punctatus Dodophis punctatus Dopodomys observani Dipodomys deservi Dipodomys facerrani Dipodomys ingens Dipodomys merimini collinus Dipodomys merimini parvus	southern yellow bat sooty grouse dusky grouse flivous whistling-duck valley elderberry longhorn beetl ring-necked snake San Bernardino ring-necked snak Virginia oposar agile kangaroo rat desert kangaroo rat Heermann's kangaroo rat glant kangaroo rat glant kangaroo rat San Bernardino kangaroo rat San Bernardino kangaroo rat San Bernardino kangaroo rat San Bernardino kangaroo rat	None/None	Mammals Mammals Birds Birds Birds Invertebrates Reptiles Mammals Mammals Mammals Mammals Mammals Mammals Mammals Mammals Mammals	MAMMALS BIRDS BIRDS BIRDS BIRDS BIRDS BIRDS BIRDS BIRDS BIRDS REPTILES MAMMALS	Qualis, Pheasants & Relat Waterfowl Beetles Beetles Snakes Snakes Opossums Kangaroo Rats	IVI QUALIS, PHEASANTS & REL WATERFOWL BEETLES SNAKES SNAKES SNAKES OPOSSUMS KANGAROO RATS	A Phasianidae Anatidae Cerambycidae Colubridae Colubridae Colubridae Didelphidae Heteromyidae Heteromyidae Heteromyidae Heteromyidae Heteromyidae Heteromyidae	PHASIANIDAE ANATIDAE CERAMBYCIDAE CERAMBYCIDAE COLUBRIDAE COLUBRIDAE DIDELPHIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE HETEROMYIDAE	PARTINDES, GROUSE, TURKEYS, & OLD DUCKS, GEES, & SWAWS LONGHORN BEETLES COLUBRID SWAKES COLUBRID SWAKES COLUBRID SWAKES POCKET MICE & KANGAROO RATS	WOPHASIANIDAE—PARTIDIGES, GROUSE, TURKEYS, & OLI ANATIDAE—DUCKS, GEESE, & SWAN'S GERAMBYCIDAE—LONGHORN BEFTLES COLUBBIOS ANGES COLUBBIOS—COLUBBIOS MARES COLUBBIOS—COLUBBIOS SHARES COLUBBIOS—COLUBBIOS SHARES DIDELPHIDAE—NEW WORLD OPPOSSUMS HETEROMYIDAE—POCKET IMCE & KANGAROO RATS	D WORLD QUAIL San Bernardino ringneck snake in Oct 2016 Added Oct 2016 because included in the ke	

Company	M-PAKR Dipodomys panamintinus	Panamint kangaroo rat	None/None	Mammals	MAMMALS	Kangaroo Rats	KANGAROO RATS	Heteromyidae	HETEROMYIDAE	POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS		1
Column	M-DUKR Dipodomys simulans	Dulzura kangaroo rat	None/None	Mammals		Kangaroo Rats		Heteromyidae					
Column	M-STKR Dipodomys stephensi	Stephens' kangaroo rat	FE/ST	Mammals	MAMMALS	Kangaroo Rats	KANGAROO RATS	Heteromyidae	HETEROMYIDAE	POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS	Common name from CNDDB ("Stephens's	kangaroo rat" per Mammal Biodiversity Database)
Column	B-WHWO Dryobates albolarvatus	white-headed woodpecker	None/None	Birds	BIRDS	Woodpeckers	WOODPECKERS	Picidae	PICIDAE	WOODPECKERS & ALLIES	PICIDAE—WOODPECKERS & ALLIES		
The content of the					BIRDS BIRDS			Picidae Picidae	PICIDAE PICIDAE			, ,	pecial Animals list; Formerly Picoides nuttallii
Part	B-LBWO Dryobates scalaris			Birds		Woodpeckers		Picidae Picidae				· erroring and a second a second	
Prop. Prop	B-PIWO Dryocopus pileatus	pileated woodpecker	None/None	Birds	BIRDS	Woodpeckers	WOODPECKERS	Picidae	PICIDAE	WOODPECKERS & ALLIES	PICIDAE—WOODPECKERS & ALLIES		
Company	B-LBHE Egretta caerulea	little blue heron	None/None	Birds	BIRDS	Herons & Bitterns	HERONS & BITTERNS		ARDEIDAE	HERONS, BITTERNS, & ALLIES	ARDEIDAE—HERONS, BITTERNS, & ALLIES	NOT III NABA (2015), DUT OII THE SONHIW IIS	
Prop. Prop													
Fig. Company	B-WTKI Elanus leucurus	white-tailed kite		Birds	BIRDS	Hawks	HAWKS						
The content	B-WEFL Empidonax difficilis	Pacific-slope flycatcher	None/None	Birds	BIRDS	Flycatchers	FLYCATCHERS	Tyrannidae	TYRANNIDAE	TYRANT FLYCATCHERS	TYRANNIDAE—TYRANT FLYCATCHERS		
The column			None/None		DINO								
Part				Birds Birds	BIRDS BIRDS								
The content	B-SWFL Empidonax traillii extimus						FLYCATCHERS						
March	A-ENSA Ensatina eschscholtzii	ensatina	None/None	Amphibians	AMPHIBIANS	Salamanders	SALAMANDERS	Plethodontidae	PLETHODONTIDAE	LUNGLESS SALAMANDERS	PLETHODONTIDAE—LUNGLESS SALAMANDERS		
Column				Amphibians Invertebrates									
Part	,					Bats Domestic	BATS DOMESTIC					Previously "ass". Common name updated	per Mammal Biodiversity Database 7.16.21.
Part	M-DOHO Equus caballus	domestic horse	None/None *		MAMMALS	Domestic	DOMESTIC	Equidae			EQUIDAE—HORSES & BURROS		
Part	I-AFDU Erynnis afranius	Afranius duskywing	None/None			Butterflies		Hesperiidae	HESPERIIDAE		HESPERIIDAE—SKIPPERS		
Part													
Marie	I-PADU Erynnis pacuvius	Pacuvius duskywing						Hesperiidae					
Part		mournful duskywing										Not in NADA (2015), but on the Consist An	Smale list (CDEW 2015) as "Andron's models butterfly"
March Process Service Pr	I-DPMA Euchloe hyantis lotta	desert pearly marble	None/None	Invertebrates	INVERTEBRATES		BUTTERFLIES	Pieridae	PIERIDAE	WHITES & SULFURS	PIERIDAE—WHITES & SULFURS	NOT III NABA (2015), but on the special An	illidas inst (CDPW 2016) as Anticlew's final pie butterny
Part							BATS	Molossidae					-
Manufacture	B-BRBL Euphagus cyanocephalus			Birds	BIRDS					BLACKBIRDS	ICTERIDAE—BLACKBIRDS		-
Property of the content of the con	I-DADB Euphilotes enoptes dammersi	Dammer's dotted blue	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Lycaenidae	LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
Manual Control	I-CHCH Euphydryas chalcedona chalcedona	Chalcedon variable checkerspot	None/None		INVERTEBRATES	Butterflies	BUTTERFLIES		NYMPHALIDAE	BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
March													
March	I-HDSK Euphyes vestris harbisoni	Harbison dun skipper											
March	I-VAFR Euptoieta claudia	variegated fritillary											
Part	I-SLOR Eurema nicippe	sleepy orange	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Pieridae	PIERIDAE	WHITES & SULFURS	PIERIDAE—WHITES & SULFURS		
March Marc													
March Marc	I-WTBL Everes amyntula			Invertebrates Birds									
Mary	B-PRFA Falco mexicanus	prairie falcon	None/WL	Birds	BIRDS	Falcons	FALCONS	Falconidae	FALCONIDAE	CARACARAS & FALCONS	FALCONIDAE—CARACARAS & FALCONS		
March	B-AMKE Falco sparverius			Birds	BIRDS								
Marie								Felidae Alcidae				Added Oct 2016 because included in the k	cerata lookup table.
March	B-AMCO Fulica americana	American coot		Birds	DINOS	Rails, Gallinules & Coots				RAILS, GALLINULES, & COOTS			
March	B-COGA Gallinula galeata	common gallinule	None/None	Birds	BIRDS	Rails, Gallinules & Coots	RAILS, GALLINULES & COOT:	Rallidae	RALLIDAE	RAILS, GALLINULES, & COOTS	RALLIDAE—RAILS, GALLINULES, & COOTS		
Property													
Property		mosquitofish										Added Oct 2016 because included in the k	gerata lookup table: on SA list, but no actual special status.
March	F-UTST Gasterosteus aculeatus williamsoni	unarmored threespine stickleback				Other Bony Fishes		Gasterosteidae					
March Marc	B-PALO Gavia pacifica	Pacific Ioon	None/None	Birds	BIRDS	Waterfowl	WATERFOWL		GAVIIDAE	LOONS	GAVIIDAE—LOONS	Added Oct 2016 because included in the k	erata lookup table.
Column C							TERNS & GULLS	Laridae				Added Oct 2016 because included in the k	erata lookup table.
Mart			,		BIRDS BIRD							SDNHM Checklist - ssp not recognized by I	NABA
March Marc	B-COYE Geothlypis trichas	common yellowthroat				Wood Warblers & Allies	WOOD WARBLERS & ALLIES	Parulidae				San Francisco common vollouthroat on III	SSMS DCC list Addres 7 12 21
March Marc	F-ARCH Gila orcuttii	arroyo chub	None/SSC	Fishes	FISHES	Minnows & Carps			CYPRINIDAE	MINNOWS & CARPS	CYPRINIDAE—MINNOWS & CARPS		SPWS BCC list. Added 7.12.21.
March Marc					MAMMALS		SQUIRRELS	Strigidae Sciuridae				previously Glaucidium californicum	
Section Sect												Not in NABA (2015), but on the SDNHM lis	st
1-94 Conclusion Standards	R-DETO Gopherus agassizii	Mojave desert tortoise	FT/ST		REPTILES	Turtles		Testudinidae			TESTUDINIDAE—TRUE LAND TORTOISES	Common name per USFWS (https://www.	ws.gov/nevada/desert_tortoise/documents/manuals/Mojave%20Desert%20Tortoise_Pre-project%20Survey%20Protocol_2018.pdf) instead of Crother (2012)
Butto State Stat	B-PIJA Gymnorhinus cyanocephalus	pinyon jay	BCC/None			Jays, Magpies & Crows	JAYS, MAGPIES & CROWS	Corvidae	CORVIDAE	CROWS & JAYS	CORVIDAE—CROWS & JAYS		
\$\frac{1}{2} \text{Section} \text{Section} \text{Content works} Content of Content of Processing Content of Conte			,							,,			
Column Section Sec	B-CAFI Haemorhous cassinii				BIRDS BIRDS								
Prof. School confidence Section Sectio	B-PUFI Haemorhous purpureus	purple finch	None/None	Birds	DINOS	Finches	FINCHES	Fringillidae	FRINGILLIDAE	FRINGILLINE & CARDUELINE FINCHES & AL	L FRINGILLIDAE—FRINGILLINE & CARDUELINE FINCHES & A		
Mode March	I-ZEHE Heliconius charithonia	zebra heliconian	None/None	Invertebrates		Butterflies	BUTTERFLIES	Nymphalidae	NYMPHALIDAE	BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
1500											HESPERIIDAE—SKIPPERS	aka dark-eyed junco	-
Copy September September Copy September	I-EDBL Hemiargus ceraunus gyas							Lycaenidae			ETOTEMBRE DEGES, TRANSPIRES, & COTTERS	Not in NABA (2015), but on the SDNHM lis	st
1.55	I-COSK Hesperia columbia	Columbian skipper	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Hesperiidae	HESPERIIDAE	SKIPPERS	HESPERIIDAE—SKIPPERS	Not in NARA (2015), but on the COMPACT.	
\$8503 Historiage research State History Histor	I-JUSK Hesperia juba	Juba skipper	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Hesperiidae	HESPERIIDAE	SKIPPERS	HESPERIIDAE—SKIPPERS	Araba (2025), but on the 3DNAIN III	
BASIN Proceduration Survivanion Surv				Birds	BIRDS						RECURVIROSTRIDAE—STILTS & AVOCETS		_
First Propriet physics Not physics Representation Note Representat	B-BASW Hirundo rustica					Swallows							-
ACON	I-FISK Hylephila phyleus	fiery skipper	None/None		INVERTEBRATES		BUTTERFLIES	Hesperiidae	HESPERIIDAE	SKIPPERS	HESPERIIDAE—SKIPPERS		
EVAL Coursis consider notes Cours Deep Normal/Porce Investments Normal/Porce Norma	R-CONI Hypsiglena ochrorhyncha	coast nightsnake	None/None		REPTILES		SNAKES	Colubridae	COLUBRIDAE	COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES		
PASCH Interviewers Interviewer	I-EVBL Icaricia icaroides evius	Evius blue	None/None	Invertebrates	INVERTEBRATES		BUTTERFLIES	Lycaenidae	LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		_
8-HOOR Interns excultinum None/None Birds BRDS Black/Birds, Criticis & Black/Birds, Black/Birds, Criticis & Black/						Chats Blackbirds, Orioles & Allies							
1-SEEL Incidal mores infestage	B-HOOR Icterus cucullatus	hooded oriole	None/None	Birds	BIRDS	Blackbirds, Orioles & Allies	BLACKBIRDS, ORIOLES & ALI	Icteridae	ICTERIDAE	BLACKBIRDS	ICTERIDAE—BLACKBIRDS		
9-1/EB 10-00/moth xell/s 16-00/moth xel	I-SGEL Incisalia mossii hidakupa	San Gabriel Mountains elfin	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Lycaenidae	LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS	Not in NABA (2015), but on the Special An	imals list (CDFW 2016)
B-NATH Inverses one-vises varied through None/None Birds BIRDS Throughes Thr	B-LEBI Ixobrychus exilis			Birds	BIRDS				ARDEIDAE	HERONS, BITTERNS, & ALLIES			-
LOBU Munning coemia Common buckeye None/None Invertebrates InvestEBRATES Butterflies SUTTARILES Nymphalidae NYMPHALIDAE BRUSHFOOTED BUTTERFLIES NYMPHALIDAE SULISHED SWARES COLUBRID SWA	B-VATH Ixoreus naevius	varied thrush	None/None	Birds		Thrushes		Turdidae		THRUSHES			
R.R.C.MIX Lampropellis splendida desert kingsnake None/None Reptiles REPTILES Snakes SNAKES Colubridae COLUBRIDA COLUBRID SNAKES COLUBRIDA COLUBRIDA COLUBRIDA COLUBRIDA COLUBRIDA COLUBRIDA COLUBRID SNAKES COLUBRIDA	I-COBU Junonia coenia	common buckeye	None/None	Invertebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Nymphalidae	NYMPHALIDAE	BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
B-LOSH Lonius Judovicionus loggerhead shrike None/SSC Birds BIRDS Shrikes SHRKES Laniidae LANIDAE SHRIKES LANIIDAE SHRIKES LANIIDAE—SHRIKES LA	R-DEKI Lampropeltis splendida	desert kingsnake	None/None	Reptiles	REPTILES	Snakes	SNAKES	Colubridae	COLUBRIDAE	COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES		
B-HERG Larus argentatus herring gull None/None Birds BIRDS Terns & Gulls Terns & GULS Laridae LARIDAE GULS, TERNS, & SKIMMERS LARIDAE—GULS, TERNS, & SKIMMERS Previously B-MEGU, Larus caraus, mew gull. Updated 7.12.21 per AOS bird checklist supplement. B-CAGU Larus californicus California gull BCC/VL Birds BIRDS Terns & Gulls TERNS & GULS Laridae LARIDAE GULS, TERNS, & SKIMMERS LARIDAE—GULS, TERNS, & SKIMMERS L	B-LOSH Lanius Iudovicianus		None/SSC	Birds	BIRDS		SHRIKES		LANIIDAE	SHRIKES	LANIIDAE—SHRIKES		-
B.CAGU Larus colformicus California gull BCC/VM. Birds BIRDS Terns & Gulls TERNS & GULLS Laridae LARIDAE GULLS, TERNS, & SKIMMERS LARIDAE—GULLS, TERNS, & SKIMMERS LA	B-HERG Larus argentatus	herring gull										Previously B-MEGU, Larus canus mow out	J. Updated 7.12.21 per AOS bird checklist supplement.
B-GWGU Larus glaucescens glaucous-winged gull None/None Birds BIRDS Terms & GUILS Laridae LARIDAE GUILS, TERNS, & SKIMMERS LARIDAE—GUILS, TERNS, & SKIMMERS	B-CAGU Larus californicus	California gull	BCC/WL	Birds	BIRDS	Terns & Gulls	TERNS & GULLS	Laridae	LARIDAE	GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS	, 2	
B-ICGU Larus glaucoides Iceland gull None/None Birds BIRDS Terms & Gulls TERNS & GULLS Laridae LARIDAE GULLS, TERNS, & SKIMMERS LARIDAE—GULLS, TERNS, & SKIMMERS LARIDA	B-GWGU Larus glaucescens	glaucous-winged gull	None/None	Birds	BIRDS	Terns & Gulls	TERNS & GULLS	Laridae	LARIDAE	GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS		
	D ICCI. I anno alemenidas		None/None	Birds	BIRDS	Terns & Gulls	TERNS & GULLS	Laridae	LARIDAE	GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS		

	Larus heermanni	Heermann's gull	BCC/None	Birds	BIRDS	Terns & Gulls	TERNS & GULLS	Laridae	LARIDAE	GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS		
M-SHBA	Larus occidentalis Lasionycteris noctivagans	western gull silver-haired bat	None/None	Birds Mammals	BIRDS MAMMALS		TERNS & GULLS BATS	Vespertilionidae	LARIDAE VESPERTILIONIDAE	GULLS, TERNS, & SKIMMERS EVENING BATS	LARIDAE—GULLS, TERNS, & SKIMMERS VESPERTILIONIDAE—EVENING BATS		
M-ERBA	Lasiurus blossevillii Lasiurus borealis	western red bat eastern red bat	None/SSC None/None	Mammals Mammals	MAMMALS MAMMALS	Bats	BATS BATS	Vespertilionidae Vespertilionidae	VESPERTILIONIDAE VESPERTILIONIDAE	EVENING BATS EVENING BATS	VESPERTILIONIDAE—EVENING BATS VESPERTILIONIDAE—EVENING BATS	Common name from CNDDB ("southern red	bat" per Mammal Biodiversity Database)
	Laterallus jamaicensis Laterallus jamaicensis coturniculus	black rail California black rail		Birds Birds	BIRDS BIRDS		RAILS, GALLINULES & COOTS		RALLIDAE RALLIDAE	RAILS, GALLINULES, & COOTS RAILS, GALLINULES, & COOTS	RALLIDAE—RAILS, GALLINULES, & COOTS RALLIDAE—RAILS, GALLINULES, & COOTS		
	Lavinia exilicauda Leiothlypis celata	hitch orange-crowned warbler	None/None	Fishes Birds	FISHES BIRDS	Wood Warblers & Allies	MINNOWS & CARPS WOOD WARBLERS & ALLIES		CYPRINIDAE PARULIDAE	MINNOWS & CARPS WOOD-WARBLERS	CYPRINIDAE—MINNOWS & CARPS PARULIDAE—WOOD-WARBLERS	Added Oct 2016 because included in the ker Previously Oreothlypis celata	ata lookup table.
B-NAWA	Leiothlypis luciae Leiothlypis ruficapilla	Lucy's warbler Nashville warbler	None/None	Birds Birds	BIRDS BIRDS	Wood Warblers & Allies	WOOD WARBLERS & ALLIES WOOD WARBLERS & ALLIES	Parulidae	PARULIDAE PARULIDAE	WOOD-WARBLERS WOOD-WARBLERS	PARULIDAE—WOOD-WARBLERS PARULIDAE—WOOD-WARBLERS	Previously Oreothlypis luciae Previously Oreothlypis ruficapilla	
	Lepidurus packardi Lepomis cyanellus	vernal pool tadpole shrimp green sunfish	FE/None *	Invertebrates Fishes	INVERTEBRATES FISHES		TADPOLE SHRIMP SUNFISHES & FRESHWATER		TRIOPSIDAE CENTRARCHIDAE	TADPOLE SHRIMP SUNFISHES	TRIOPSIDAE—TADPOLE SHRIMP CENTRARCHIDAE—SUNFISHES	Added per Heather's request 10.7.21	
I-MABL M-BTJR	Leptotes marina Lepus californicus	marine blue black-tailed jackrabbit	None/None None/None	Invertebrates Mammals	INVERTEBRATES MAMMALS	Butterflies Hares & Rabbits	BUTTERFLIES HARES & RABBITS	Lycaenidae Leporidae	LYCAENIDAE LEPORIDAE	BLUES, HAIRSTREAKS, & COPPERS HARES & RABBITS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS LEPORIDAE—HARES & RABBITS		
	Lepus californicus bennettii Lerodea eufala	San Diego black-tailed jackrabbit Eufala skipper	None/SSC None/None	Mammals Invertebrates	MAMMALS INVERTEBRATES	Hares & Rabbits Butterflies	HARES & RABBITS BUTTERFLIES	Leporidae Hesperiidae	LEPORIDAE HESPERIIDAE	HARES & RABBITS SKIPPERS	LEPORIDAE—HARES & RABBITS HESPERIIDAE—SKIPPERS		
I-NESK	Leuresthes tenuis Libellula croceipennis	California grunion neon skimmer	None/None None/None	Fishes Invertebrates	FISHES INVERTEBRATE		NEW WORLD SILVERSIDES DRAGONFLIES AND DAMSEL	Atheriniopsidae Libellulidae	ATHERINIOPSIDAE LIBELLULIDAE		ATHERINIOPSIDAE—NEW WORLD SILVERSIDES 5, LIBELLULIDAE—SKIMMERS, EMERALDS, AND BASKETTA	AILS, AND CRUISERS	
I-AMSN R-ROBO	Libytheana carinenta Lichanura orcutti	American snout rosy boa	None/None None/None	Invertebrates Reptiles	INVERTEBRATES REPTILES	Butterflies Snakes	BUTTERFLIES SNAKES	Nymphalidae Boidae	NYMPHALIDAE BOIDAE	BRUSH-FOOTED BUTTERFLIES BOAS	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES BOIDAE—BOAS	Corrected from three-lined boa, which isn't	n CA per CalHerps on 4.11.19
I-LOAD B-SBDO	Limenitis lorquini Limnodromus griseus	Lorquin's admiral short-billed dowitcher	None/None BCC/None	Invertebrates Birds	INVERTEBRATES BIRDS	Butterflies Shorebirds	BUTTERFLIES SHOREBIRDS	Nymphalidae Scolopacidae	NYMPHALIDAE SCOLOPACIDAE	BRUSH-FOOTED BUTTERFLIES SANDPIPERS, PHALAROPES, & ALLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
B-LBDO B-MAGO	Limnodromus scolopaceus Limosa fedoa	long-billed dowitcher marbled godwit		Birds Birds	BIRDS BIRDS	Shorebirds Shorebirds	SHOREBIRDS SHOREBIRDS	Scolopacidae Scolopacidae	SCOLOPACIDAE SCOLOPACIDAE	SANDPIPERS, PHALAROPES, & ALLIES SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
	Linepithema humile Lithobates catesbeianus	Argentine ant American bullfrog	None/None * None/None *	Invertebrates Amphibians	INVERTEBRATES AMPHIRIANS		ANTS FROGS	Formicidae Ranidae	FORMICIDAE RANIDAE	ANTS TRUE FROGS	FORMICIDAE—ANTS RANIDAE—TRUE FROGS		
B-SBMU		scaly-breasted munia North American river otter	None/None *	Birds Mammals	BIRDS MAMMAIS	Waxbills	WAXBILLS MUSTELIDS	Estrildidae Mustelidae	ESTRILDIDAE MUSTELIDAE	WAXBILLS WEASELS, SKUNKS, & OTTERS	ESTRILDIDAE—WAXBILLS MUSTELIDAE—WEASELS SKLINKS & OTTERS	Added Oct 2016 because included in the ker	ata lookup table; aka nutmeg mannikin or spice finch
B-HOME	Lophodytes cucullatus Loxia curvirostra	hooded merganser	None/None	Birds Birds	BIRDS BIRDS	Waterfowl	WATERFOWL	Anatidae Fringillidae	ANATIDAE ERINGILLIDAE	DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS	ALLIES	
I-MEBL I-TACO	Lycaeides melissa Lycaena arota	Melissa blue tailed copper	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies	BUTTERFLIES BUTTERFLIES	Lycaenidae Lycaenidae	LYCAENIDAE LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS	ALLIES	
I-GOCO	Lycaena gorgon	Gorgon copper	None/None	Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies	BUTTERFLIES	Lycaenidae	LYCAENIDAE LYCAENIDAE LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
	Lycaena helloides Lycaena hermes	Purplish copper Hermes copper	None/None FPT/None	Invertebrates Invertebrates	INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Lycaenidae Lycaenidae	LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS	"Hermes copper butterfly" per Special Anim	als list (Oct2016), but "Hermes copper" per NABA
	Lycaena xanthoides Lynx rufus	great copper bobcat		Invertebrates Mammals	INVERTEBRATES MAMMALS		BUTTERFLIES CATS	Lycaenidae Felidae	LYCAENIDAE FELIDAE	BLUES, HAIRSTREAKS, & COPPERS CATS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS FELIDAE—CATS		
B-AMWI	Macrotus californicus Mareca americana	Californian leaf-nosed bat American wigeon	None/SSC None/None	Mammals Birds	MAMMALS BIRDS	Waterfowl	BATS WATERFOWL	Phyllostomidae Anatidae	PHYLLOSTOMIDAE ANATIDAE	LEAF-NOSED BATS DUCKS, GEESE, & SWANS	PHYLLOSTOMIDAE—LEAF-NOSED BATS ANATIDAE—DUCKS, GEESE, & SWANS	California leaf-nosed bat in Oct 2016 SA list.	
B-EUWI B-GADW	Mareca penelope Mareca strepera	Eurasian wigeon gadwall		Birds Birds	BIRDS BIRDS		WATERFOWL WATERFOWL	Anatidae Anatidae	ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS ANATIDAE—DUCKS, GEESE, & SWANS		
B-WESO	Megaceryle alcyon Megascops kennicottii	belted kingfisher western screech-owl	None/None	Birds Birds	BIRDS BIRDS	Owls	KINGFISHERS OWLS	Alcedinidae Strigidae	ALCEDINIDAE STRIGIDAE	KINGFISHERS TYPICAL OWLS	ALCEDINIDAE—KINGFISHERS STRIGIDAE—TYPICAL OWLS		
I-YGSK I-HGSK		yucca giant-skipper Harbison giant skipper	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES		BUTTERFLIES BUTTERFLIES	Hesperiidae Hesperiidae	HESPERIIDAE HESPERIIDAE	SKIPPERS SKIPPERS	HESPERIIDAE—SKIPPERS HESPERIIDAE—SKIPPERS	Not in NABA (2016), but on the SDNHM list	
I-MGSK X B-ACWO	Megathymus yuccae martini Melanerpes formicivorus	Martin's giant skipper acorn woodpecker	None/None None/None	Invertebrates Birds	INVERTEBRATES BIRDS	Butterflies Woodpeckers	BUTTERFLIES WOODPECKERS	Hesperiidae Picidae	HESPERIIDAE PICIDAE	SKIPPERS WOODPECKERS & ALLIES	HESPERIIDAE—SKIPPERS PICIDAE—WOODPECKERS & ALLIES	Not in NABA (2016), but on the SDNHM list	
B-LEWO	Melanerpes lewis Melanerpes uropygialis	Lewis's woodpecker	BCC/None	Birds Birds	BIRDS BIRDS	Woodpeckers	WOODPECKERS WOODPECKERS	Picidae Picidae	PICIDAE PICIDAE	WOODPECKERS & ALLIES WOODPECKERS & ALLIES WOODPECKERS & ALLIES	PICIDAE—WOODPECKERS & ALLIES PICIDAE—WOODPECKERS & ALLIES	"Lewis's woodpecker" per AOU (versus "Lew	is' woodpecker" per SA list)
B-BLSC	Melanitta americana Melanitta deglandi	black scoter white-winged scoter	None/None	Birds	BIRDS BIRDS		WATERFOWL WATERFOWI	Anatidae Anatidae	ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS ANATIDAE—DUCKS, GEESE, & SWANS	Previously Melanitta fusca	
B-SUSC B-SUSC	Melanitta perspicillata	surf scoter wild turkey	None/None	Birds Birds Birds	BIRDS BIRDS	Waterfowl	WATERFOWL OUAILS, PHEASANTS & RELA	Anatidae	ANATIDAE ANATIDAE PHASIANIDAE	DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS ANATIDAE—DUCKS, GEESE, & SWANS VOPHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OL	·	
B-LISP	Melospiza lincolnii	Lincoln's sparrow	None/None	Birds	BIRDS	New World Sparrows	NEW WORLD SPARROWS	Passerellidae	PASSERELLIDAE	NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS	D WORLD QUAIL	
B-ALSS	Melospiza melodia Melospiza melodia pusillula	song sparrow Alameda song sparrow	BCC/SSC	Birds Birds	BIRDS BIRDS	New World Sparrows	NEW WORLD SPARROWS NEW WORLD SPARROWS	Passerellidae	PASSERELLIDAE PASSERELLIDAE	NEW WORLD SPARROWS NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS PASSERELLIDAE—NEW WORLD SPARROWS	Added 7.13.21	
B-SBSS B-ABTO	Melospiza melodia samuelis Melozone aberti	San Pablo song sparrow Abert's towhee		Birds Birds	BIRDS BIRDS		NEW WORLD SPARROWS NEW WORLD SPARROWS	Passerellidae Passerellidae	PASSERELLIDAE PASSERELLIDAE	NEW WORLD SPARROWS NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS PASSERELLIDAE—NEW WORLD SPARROWS	Added 7.13.21	
B-CALT M-STSK	Melozone crissalis Mephitis mephitis	California towhee striped skunk	None/None None/None	Birds Mammals	BIRDS MAMMALS		NEW WORLD SPARROWS MUSTELIDS	Passerellidae Mephitidae	PASSERELLIDAE MEPHITIDAE	NEW WORLD SPARROWS SKUNKS	PASSERELLIDAE—NEW WORLD SPARROWS MEPHITIDAE—SKUNKS		
B-COME	Mergus merganser Mergus serrator	common merganser red-breasted merganser		Birds Birds	BIRDS BIRDS	Waterfowl Waterfowl	WATERFOWL WATERFOWL	Anatidae Anatidae	ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS ANATIDAE—DUCKS, GEESE, & SWANS		
F-LMBA	Micropterus salmoides Microtus californicus	largemouth bass California vole	None/None * None/None	Fishes Mammals	FISHES MAMMALS		SUNFISHES & FRESHWATER RATS, MICE, & VOLES		CENTRARCHIDAE CRICETIDAE	SUNFISHES RATS, MICE, & VOLES	CENTRARCHIDAE—SUNFISHES CRICETIDAE—RATS, MICE, & VOLES		
M-LTVO	Microtus longicaudus Mimus polyglottos	long-tailed vole	None/None	Mammals Birds	MAMMALS BIRDS	Rats, Mice, & Voles	RATS, MICE, & VOLES	Cricetidae	CRICETIDAE MIMIDAE	RATS, MICE, & VOLES MOCKINGBIRDS & THRASHERS	CRICETIDAE—RATS, MICE, & VOLES MIMIDAE—MOCKINGBIRDS & THRASHERS	Fomerly coast horned lizard (P. coronatum)	
I-LEMI	Ministrymon leda	Leda ministreak	None/None	Invertebrates	INVERTEBRATES	Butterflies	MOCKINGBIRDS & THRASHE BUTTERFLIES BLACKBIRDS, ORIOLES & ALL	Lycaenidae	LYCAENIDAE ICTERIDAE	BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
М-НОМО	Molothrus ater Mus musculus	brown-headed cowbird house mouse	None/None *	Birds Mammals	BIRDS MAMMALS	Rats, Mice, & Voles	RATS, MICE, & VOLES	Muridae	MURIDAE	BLACKBIRDS RATS, MICE, & VOLES	ICTERIDAE—BLACKBIRDS MURIDAE—RATS, MICE, & VOLES		
B-TOSO	Mustela furo Myadestes townsendi	domestic ferret Townsend's solitaire	None/None	Mammals Birds	MAMMALS BIRDS	Domestic Thrushes	DOMESTIC THRUSHES	Mustelidae Turdidae	MUSTELIDAE TURDIDAE	WEASELS, SKUNKS, & OTTERS THRUSHES	MUSTELIDAE—WEASELS, SKUNKS, & OTTERS TURDIDAE—THRUSHES	Previously Mustela putorius furo	
B-WOST B-ATFL	Mycteria americana Myiarchus cinerascens	wood stork ash-throated flycatcher		Birds Birds	BIRDS BIRDS	Storks & Wood Ibises Flycatchers	STORKS & WOOD IBISES FLYCATCHERS	Ciconiidae Tyrannidae	CICONIIDAE TYRANNIDAE	STORKS TYRANT FLYCATCHERS	CICONIIDAE—STORKS TYRANNIDAE—TYRANT FLYCATCHERS		
F-HARD M-CAMY	Mylopharodon conocephalus Myotis californicus	hardhead California myotis	None/SSC None/None	Fishes Mammals	FISHES MAMMALS		MINNOWS & CARPS BATS	Cyprinidae Vespertilionidae	CYPRINIDAE VESPERTILIONIDAE	MINNOWS & CARPS EVENING BATS	CYPRINIDAE—MINNOWS & CARPS VESPERTILIONIDAE—EVENING BATS	Previously "Californian myotis". Common na	me updated per Mammal Biodiversity Database 7.16.21.
M-WSMY M-LEMY	Myotis ciliolabrum Myotis evotis	western small-footed myotis long-eared myotis	None/None None/None	Mammals Mammals	MAMMALS MAMMALS	Bats Bats	BATS BATS	Vespertilionidae Vespertilionidae	VESPERTILIONIDAE VESPERTILIONIDAE	EVENING BATS EVENING BATS	VESPERTILIONIDAE—EVENING BATS VESPERTILIONIDAE—EVENING BATS	includes Myotis melanorhinus	
	Myotis leibii Myotis lucifugus	eastern small-footed myotis Eastern little brown myotis	None/None None/None	Mammals Mammals	MAMMALS MAMMALS		BATS BATS	Vespertilionidae Vespertilionidae	VESPERTILIONIDAE VESPERTILIONIDAE	EVENING BATS EVENING BATS	VESPERTILIONIDAE—EVENING BATS VESPERTILIONIDAE—EVENING BATS	little brown bat in Oct 2016 SA list: previous	y "little brown myotis"; common name updated per Mammal Biodiversity Database 7.16.21
M-FRMY	Myotis thysanodes Myotis volans	fringed myotis long-legged myotis	None/None None/None	Mammals Mammals	MAMMALS MAMMAL		BATS BATS	Vespertilionidae Vespertilionidae	VESPERTILIONIDAE VESPERTILIONIDAE	EVENING BATS EVENING BATS	VESPERTILIONIDAE—EVENING BATS VESPERTILIONIDAE—EVENING BATS		,,,
	Myotis yumanensis	Yuma myotis	None/None	Mammals	MAMMALS		BATS CORMORANTS	Vespertilionidae	VESPERTILIONIDAE	EVENING BATS	VESPERTILIONIDAE—EVENING BATS	0	42.24 4.05
B-DCCO I-DASU	Nannopterum auritus Nathalis iole	double-crested cormorant dainty sulphur	None/WL None/None	Birds Invertebrates	INVERTEBRATES	Cormorants Butterflies	BUTTERFLIES	Phalacrocoracidae Pieridae	PHALACROCORACIDAE PIERIDAE	WHITES & SULFURS	PHALACROCORACIDAE—CORMORANTS PIERIDAE—WHITES & SULFURS	Previously Phalacrocorax auritus. Updated 7	.12.21 per AO3 Supplement.
M-MECH	Neogale frenata Neotamias merriami	long-tailed weasel Merriam's chipmunk	None/None None/None	Mammals Mammals	MAMMALS MAMMALS	Squirrels	MUSTELIDS SQUIRRELS	Mustelidae Sciuridae	MUSTELIDAE SCIURIDAE	WEASELS, SKUNKS, & OTTERS SQUIRRELS	MUSTELIDAE—WEASELS, SKUNKS, & OTTERS SCIURIDAE—SQUIRRELS	Previously Mustela frenata Previously Tamias merriami	
M-LOCH		California chipmunk lodgepole chipmunk	None/None None/None	Mammals Mammals	MAMMALS MAMMALS	Squirrels Squirrels	SQUIRRELS SQUIRRELS	Sciuridae Sciuridae	SCIURIDAE SCIURIDAE	SQUIRRELS SQUIRRELS	SCIURIDAE—SQUIRRELS SCIURIDAE—SQUIRRELS	Previously Tamias obscurus Previously Tamias speciosus	
	Neotoma albigula Neotoma fuscipes	white-throated woodrat dusky-footed woodrat	None/None None/None	Mammals Mammals	MAMMALS MAMMALS		RATS, MICE, & VOLES RATS, MICE, & VOLES	Cricetidae Cricetidae	CRICETIDAE CRICETIDAE	RATS, MICE, & VOLES RATS, MICE, & VOLES	CRICETIDAE—RATS, MICE, & VOLES CRICETIDAE—RATS, MICE, & VOLES	Previously in Muridae, but Cricetidae per W Previously in Muridae, but Cricetidae per W	Ison and Reeder.
M-DEWO	Neotoma lepida Neotoma lepida intermedia	desert woodrat San Diego desert woodrat		Mammals Mammals	MAMMALS MAMMALS	Rats, Mice, & Voles	RATS, MICE, & VOLES RATS, MICE, & VOLES	Cricetidae Cricetidae	CRICETIDAE CRICETIDAE	RATS, MICE, & VOLES RATS, MICE, & VOLES	CRICETIDAE—RATS, MICE, & VOLES CRICETIDAE—RATS, MICE, & VOLES	Previously in Muridae, but Cricetidae per W	lson and Reeder.
M-BEWO	Neotoma macrotis Neotoma sp.	big-eared woodrat woodrat	None/None	Mammals Mammals	MAMMALS MAMMALS	Rats, Mice, & Voles	RATS, MICE, & VOLES RATS, MICE, & VOLES	Cricetidae Cricetidae	CRICETIDAE CRICETIDAE	RATS, MICE, & VOLES RATS, MICE, & VOLES	CRICETIDAE—RATS, MICE, & VOLES CRICETIDAE—RATS, MICE, & VOLES	Added per email exchange Feb 2017 Added per email exchange Feb 2017	
M-DGSH	Notiosorex crawfordi Nucifraga columbiana	desert gray shrew Clark's nutcracker	None/None None/None	Mammals Birds	MAMMALS BIRDS	Shrews	SHREWS JAYS, MAGPIES & CROWS	Soricidae Corvidae	SORICIDAE CORVIDAE	SHREWS CROWS & JAYS	SORICIDAE—RATS, WICE, & VOLES SORICIDAE—SHREWS CORVIDAE—CROWS & IAYS		n name updated per Mammal Biodiversity Database 7.16.21.
B-LBCU	Numenius americanus Numenius phaeopus	long-billed curlew	None/WL	Birds Birds Birds	BIRDS BIRDS	Shorebirds	SHOREBIRDS SHOREBIRDS	Scolopacidae	SCOLOPACIDAE SCOLOPACIDAE	SANDPIPERS, PHALAROPES, & ALLIES SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
B-YCNH	Nyctanassa violacea	jenen erennee ngot neren	None/None	Birds	BIRDS		HERONS & BITTERNS	Scolopacidae Ardeidae	ARDEIDAE	HERONS, BITTERNS, & ALLIES	ARDEIDAE—HERONS, BITTERNS, & ALLIES		
M-PFBA	Nycticorax nycticorax Nyctinomops femorosaccus	black-crowned night-heron pocketed free-tailed bat	None/SSC	Birds Mammals	BIRDS MAMMALS	Bats	HERONS & BITTERNS BATS	Ardeidae Molossidae	ARDEIDAE MOLOSSIDAE	HERONS, BITTERNS, & ALLIES FREE-TAILED BATS	ARDEIDAE—HERONS, BITTERNS, & ALLIES MOLOSSIDAE—FREE-TAILED BATS		
I-MOCL	Nyctinomops macrotis Nymphalis antiopa	big free-tailed bat mourning cloak	None/SSC None/None	Mammals Invertebrates	MAMMALS INVERTEBRATES	Butterflies	BATS BUTTERFLIES	Molossidae Nymphalidae	MOLOSSIDAE NYMPHALIDAE	FREE-TAILED BATS BRUSH-FOOTED BUTTERFLIES	MOLOSSIDAE—FREE-TAILED BATS NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
I-MITO	Nymphalis californica Nymphalis milberti	California tortoiseshell Milbert's tortoiseshell	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Nymphalidae Nymphalidae	NYMPHALIDAE NYMPHALIDAE	BRUSH-FOOTED BUTTERFLIES BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
I-RUSK I-WOSK	Ochlodes agricola Ochlodes sylvanoides	rural skipper woodland skipper	None/None None/None	Invertebrates Invertebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Hesperiidae Hesperiidae	HESPERIIDAE HESPERIIDAE	SKIPPERS SKIPPERS	HESPERIIDAE—SKIPPERS HESPERIIDAE—SKIPPERS	aka Pacific kangaroo rat	
	Odocoileus hemionus Oncorhynchus mykiss	mule deer steelhead rainbow trout	None/None None/None	Mammals Fishes	MAMMALS FISHES	Ungulates Salmon & Trouts	UNGULATES SALMON & TROUTS	Cervidae Salmonidae	CERVIDAE SALMONIDAE	DEERS SALMON & TROUTS	CERVIDAE—DEERS SALMONIDAE—SALMON & TROUTS		
		common muskrat	None/None *	Mammals Mammals	MAMMALS MAMMALS	Rats, Mice, & Voles	RATS, MICE, & VOLES RATS, MICE, & VOLES	Cricetidae Cricetidae	CRICETIDAE CRICETIDAE	RATS, MICE, & VOLES RATS, MICE, & VOLES	CRICETIDAE—RATS, MICE, & VOLES CRICETIDAE—RATS, MICE, & VOLES	Previously in Muridae, but Cricetidae per W Previously in Muridae, but Cricetidae per W	
F-SRTR M-COMU	Ondatra zibethicus	southern grasshonner moure		1			RATS, MICE, & VOLES	Cricetidae	CRICETIDAE	RATS, MICE, & VOLES	CRICETIDAE—RATS, MICE, & VOLES	Previously in Muridae, but Cricetidae per W	Ison and Reeder.
F-SRTR M-COMU M-GRMO M-SGMO	Ondatra zibethicus Onychomys torridus Onychomys torridus ramona	southern grasshopper mouse southern grasshopper mouse	None/SSC None/SSC	Mammals	MAMMALS	Pate Mice 9 Val		Cricetidae	CRICETIDAE	RATS, MICE, & VOLES	CRICETIDAE—RATS, MICE, & VOLES	Indued Oct 2016 Decause included in the ker	ata lookup table; no common name in Wilson and Reeder
F-SRTR M-COMU M-GRMO M-SGMO M-TGMO B-MOQU	Ondatra zibethicus Onychomys torridus Onychomys torridus ramona Onychomys torridus tularensis Oreortyx pictus	Tulare grasshopper mouse mountain quail	None/SSC None/None	Mammals Birds	MAMMALS BIRDS		RATS, MICE, & VOLES NEW WORLD QUAIL	Odontophoridae	ODONTOPHORIDAE	NEW WORLD QUAIL	ODONTOPHORIDAE—NEW WORLD QUAIL		
F-SRTR M-COMU M-GRMO M-SGMO M-TGMO B-MOQU B-SATH	Ondatra zibethicus Onychomys torridus Onychomys torridus ramona Onychomys torridus tularensis Oreortys rictus	southern grasshopper mouse Tulare grasshopper mouse	None/SSC None/None BCC/None	Mammals	MAMMALS	New World Quail Mockingbirds & Thrashers			ODONTOPHORIDAE MIMIDAE SCIURIDAE	NEW WORLD QUAIL MOCKINGBIRDS & THRASHERS SQUIRRELS	ODONTOPHORIDAE—NEW WORLD QUAIL MIMIDAE—MOCKINGBIRDS & THRASHERS SCIURIDAE—SQUIRRELS	Previously Spermophilus beecheyi	
F-SRTR M-COMU M-GRMO M-SGMO M-TGMO B-MOQU B-SATH M-CAGS	Ondatra zibethicus Onychomys torirdus Onychomys torirdus Onychomys torirdus ramana Onychomys torirdus tularensis Oreotrys pictus Oreoscoptes montanus Orooscoptes montanus Orossermophilus beacheyi Ovis canadensis nelsoni	southern grasshopper mouse Tulare grasshopper mouse mountain quail sage thrasher California ground squirrel Nelson's bighorn sheep	None/SSC	Mammals Birds Birds	MAMMALS BIRDS BIRDS MAMMALS MAMMALS	New World Quail Mockingbirds & Thrashers	NEW WORLD QUAIL MOCKINGBIRDS & THRASHE SQUIRRELS UNGULATES	Odontophoridae Mimidae	MIMIDAE SCIURIDAE BOVIDAE	MOCKINGBIRDS & THRASHERS SQUIRRELS BISON, GOATS & SHEEP	MIMIDAE—MOCKINGBIRDS & THRASHERS SCIURIDAE—SQUIRRELS BOVIDAE—BISON, GOATS & SHEEP	Common name per Wilson and Reeder (2006), not special animals list	
F-SRTR M-COMU M-GRMO M-SGMO M-TGMO B-MOQU B-SATH M-CAGS	Ondatra zibethicus Onychomys torridus Onychomys torridus ramona Onychomys torridus vilurierasis Orreortys pictus Orreortys pictus Orreortys pictus Oroescoptes montanus Otospermophilus beecheyi Owis canadensis nelsoni Owis canadensis nelsoni	southern grasshopper mouse Tulare grasshopper mouse mountain quail sage thrasher California ground squirrel Nelson's bighorn sheep Peninsular bighorn sheep DPS	None/SSC	Mammals Birds Birds Mammals	MAMMALS BIRDS BIRDS MAMMALS	New World Quail Mockingbirds & Thrashers Squirrels	NEW WORLD QUAIL MOCKINGBIRDS & THRASHE SQUIRRELS	Odontophoridae FMimidae Sciuridae	MIMIDAE SCIURIDAE	MOCKINGBIRDS & THRASHERS SQUIRRELS	MIMIDAE—MOCKINGBIRDS & THRASHERS SCIURIDAE—SQUIRRELS	Common name per Wilson and Reeder	(as of 7.16.21)
F-SRTR M-COMU M-GRMO M-SGMO M-TGMO B-MOQU B-SATH M-CAGS M-NEBI M-PEBI B-RUDU I-BLDA	Ondatra zibethicus Onychomys torridus Onychomys torridus ramona Onychomys torridus sularensis Orreorizo pictus Orreorizo pictus Orreorizo pictus Oroescoptes montanus Otospermophilus beecheyi Ovis canadensis nelsoni Ovis canadensis nelsoni pop. 2 Oryura jamaicensis Pachydiplas kongipennis	southern grasshopper mouse Tulare grasshopper mouse mountain quall sage thrasher California ground squirrel Nelson's bighorn sheep Peninsular bighorn sheep DPS ruddy duck blue dasher	None(SSC	Mammals Birds Birds Mammals Mammals Mammals Birds Invertebrates	MAMMALS BIRDS BIRDS MAMMALS MAMMALS MAMMALS BIRDS BIRDS BIRDS BIRDS INVERTEBRATE	New World Quail Mockingbirds & Thrashers Squirrels Ungulates Ungulates Waterfowl Dragonflies & Damselflies	NEW WORLD QUAIL MOCKINGBIRDS & THRASHE SQUIRRELS UNGULATES UNGULATES WATERFOWL DRAGONFLIES AND DAMSEL	Odontophoridae Mimidae Sciuridae Bovidae Bovidae Anatidae Übellulidae	MIMIDAE SCIURIDAE BOVIDAE BOVIDAE ANATIDAE LIBELLULIDAE	MOCKINGBIRDS & THRASHERS SQUIRRELS BISON, GOATS & SHEEP BISON, GOATS & SHEEP OUCKS, GEESE, & SWANS SKIMMERS, EMERALDS, AND BASKETTAIL	MIMIDAE—MOCKINGRIROS & THRASHERS SCURIDAE—SQUIRRELS BOVIDAE—BISON, GOATS & SHEEP BOVIDAE—BISON, GOATS & SHEEP ANATIDAE—DUCKS, GEESE, & SWANS LIBELLULDAE—SKIMMERS, EMERALDS, AND BASKETT.	Common name per Wilson and Reeder (2006), not special animals list Common and scientific names match CNDDB	(as of 7.16.21)
F-SRTR M-COMU M-GRMO M-SGMO M-SGMO B-MOQU B-SATH M-CAGS M-HEBI M-PEBI B-RUDU B-BILDA I-SICR B-JOSPR	Ondatra zibethicus Onychomys torridus Onychomys torridus ramana Onychomys torridus ramana Onychomys torridus tularensis Orreaty, pittus Orreaty, pittus Orreaty, pittus Orieszoptes montanus Otaspermophilus beacheyi Ovis canadensis nelsoni Ovis canadensis nelsoni pop. 2 Onyura jamaicensis Pachydiplas longipennis Pacifostacus leniusculus Pandion holietus	southern grashhopper mouse Tulare grashhopper mouse mountain quali sage thrasher California ground squirrel Nelson's bighorn sheep Peninsular bighorn sheep DPS ruddy duck blue dasher signal craylish outprey	None(SSC	Mammals Birds Birds Mammals Mammals Mammals Birds Invertebrates Birds	MAMMALS BIRDS BIRDS BIRDS MAMMALS MAMMALS MAMMALS BIRDS INVERTEBRATE BIRDS BIRDS BIRDS BIRDS	New World Quail Mockingbirds & Thrashers Squirrels Ungulates Ungulates Waterfowl Dragonflies & Damselflies Crayfish Hawks	NEW WORLD QUAIL MOCKINGBIRDS & THRASHE SQUIRRELS UNGULATES UNGULATES WATERFOWL DRAGONFILES AND DAMSEL CRAYFISH HAWKS	Odontophoridae Mirinidae Sciuridae Bovidae Bovidae Anatidae Gübelluidae Astacidae Pandionidae	MIMIDAE SCIURIDAE BOVIDAE BOVIDAE BOVIDAE ANATIDAE LIBELULIDAE ASTACIDAE PANDIONIDAE	MOCKINGBIRDS & THRASHERS SQUIRRELS BISON, GOATS & SHEEP BISON, GOATS & SHEEP DUCKS, GEESE, & SWANDS SKIMMERS, EMERALDS, AND BASKETTAIL FRESHWATER CRAYFISH OSPREYS	MIMIDAE — MOCKINGRIROS & THRASHERS SCURIDAE — SQUIRRELS BOVIDAE — BISON, GOATS & SHEEP BOVIDAE — BISON, GOATS & SHEEP BOVIDAE — BISON, GOATS & SHEEP ANATIDAE — DUCKS, GEESE, & SWANS LIBELLULDAE — SKIMMERS, EMERALDS, AND BASKETT, ASTACIDAE — FRESHWATER CRAYFISH PANDIONIDAE — GOSPREYS	Common name per Wilson and Reeder (2006), not special animals list Common and scientific names match CNDDI	
F-SATR M-COMU M-GRMO M-SEMO M-SEMO M-TEMO B-MOQU B-SATH M-CAGS M-NEBI M-PEBI M-PEBI B-RUDU B-BIDA I-SICR B-GSSPR I-WASK	Ondatra ibethicus Onychomys toridus Onychomys toridus ramana Onychomys toridus ramana Onychomys toridus tularensis Oreotry pictus Oreotry pictus Oreotry pictus Otospermophius beecheyi Ovis canadensis nelsoni Ovis canadensis nelsoni pap. 2 Ovyura pamaicensis Pachydiplax longipennis Pachydiplax longipennis Pachydiplax longipennis	southern grasshopper mouse Tulare grasshopper mouse mountain quail sage thrasher California ground squirrel Nelson's bighorn sheep Peninsular bighorn sheep DPS ruddy duck blue dasher signal crayfish	None/SSC	Mammals Birds Birds Mammals Mammals Mammals Birds Invertebrates Invertebrates	MAMMALS BIRDS BIRDS MAMMALS MAMMALS MAMMALS BIRDS INDS INVERTEBRATE INVERTEBRATES	New World Quail Mockingbirds & Thrashers Squirrels Ungulates Ungulates Waterfowl Dragonflies & Damselflies Crayfish Hawks	NEW WORLD QUAIL MOCKINGBIRDS & THRASHE SQUIRRELS UNGULATES UNGULATES WATERFOWL DRAGONFILES AND DAMSEL CRAYFISH	Odontophoridae Mirmidae Sciuridae Bovidae Bovidae Anatidae Gibellulidae Astacidae	MIMIDAE SCIURIDAE BOVIDAE BOVIDAE BOVIDAE ANATIDAE LIBELLULIDAE ASTACIDAE	MOCKINGBIRDS & THRASHERS SQUIRRELS BISON, GOATS & SHEEP BISON, GOATS & SHEEP DUCKS, GEESE, & SWANS SKIMMERS, EMERALDS, AND BASKETTAIL FRESHWATER CRAYFISH	MIMIDAE—MOCKINGBIRDS & THRASHERS SCIURIDAE—SQUIRREIS BOVIDAE—BISON, GOATS & SHEEP BOVIDAE—BISON, GOATS & SHEEP ANATIDAE—DUCKS, GEESE, & SWANS LIBELUUIDAE—SKIMMERS, EMERALDS, AND BASKETF. AATACIDAE—RESHWATER CRAYFISH	Common name per Wilson and Reeder (2006), not special animals list Common and scientific names match CNDDB	

I-DBSW Papilio polyxenes coloro	desert black swallowtail None/None	Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Papilionidae	PAPILIONIDAE SWALLOWTAILS	PAPILIONIDAE—SWALLOWTAILS	
I-WTSW Papilio rutulus I-ANSW Papilio zelicaon	western tiger swallowtail None/None anise swallowtail None/None	Invertebrates INVERTEBRATES Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Papilionidae Butterflies BUTTERFLIES Papilionidae	PAPILIONIDAE SWALLOWTAILS PAPILIONIDAE SWALLOWTAILS	PAPILIONIDAE—SWALLOWTAILS PAPILIONIDAE—SWALLOWTAILS	
M-CABA Parastrellus hesperus B-HOSP Passer domesticus	canyon bat None/None house sparrow None/None	Mammals MAMMAL * Birds BIRDS	Bats BATS Vespertilionidae Old World Sparrows OLD WORLD SPARROWS Passeridae	VESPERTILIONIDAE EVENING BATS PASSERIDAE OLD WORLD SPARROWS	VESPERTILIONIDAE—EVENING BATS PASSERIDAE—OLD WORLD SPARROWS	
B-SAVS Passerculus sandwichensis	savannah sparrow None/None	Birds BIRDS	New World Sparrows NEW WORLD SPARROWS Passerellidae	PASSERELLIDAE NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS	
B-BSSP Passerculus sandwichensis beldingi B-FOSP Passerella iliaca	Belding's savannah sparrow BCC/SE fox sparrow None/None	Birds BIRDS Birds BIRDS	New World Sparrows NEW WORLD SPARROWS Passerellidae New World Sparrows NEW WORLD SPARROWS Passerellidae	PASSERELLIDAE NEW WORLD SPARROWS PASSERELLIDAE NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS PASSERELLIDAE—NEW WORLD SPARROWS	
B-LAZB Passerina amoena B-BLGR Passerina caerulea	lazuli bunting None/None blue grosbeak None/None	Birds BIRDS Birds BIRDS	Cardinals, Grosbeaks & Allie CARDINALS, GROSBEAKS & A Cardinalidae Cardinals, Grosbeaks & Allie CARDINALS, GROSBEAKS & A Cardinalidae	CARDINALIDAE CARDINALS & ALLIES CARDINALIDAE CARDINALS & ALLIES	CARDINALIDAE—CARDINALS & ALLIES CARDINALIDAE—CARDINALS & ALLIES	
B-BTPI Patagioenas fasciata B-INPE Pavo cristatus	band-tailed pigeon None/None	Birds BIRDS * Birds BIRDS	Pigeons & Doves PIGEONS & DOVES Columbidae Quails, Pheasants & Relativ QUAILS, PHEASANTS & RELA Phasianidae	COLUMBIDAE PIGEONS & DOVES	COLUMBIDAE—PIGEONS & DOVES D WQ PHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OLD VeBird includes a lot of peafowl reports from	Abo I A area Added to this companyium 9.0.34
B-AWPE Pelecanus erythrorhynchos	Indian peafowl None/None American white pelican BCC/SSC	Birds BIRDS	Pelicans PELICANS Pelecanidae	PELECANIDAE PELICANS	PELECANIDAE—PELICANS	i the EA area. Added to this compendium 6.9.21.
B-BRPE Pelecanus occidentalis I-TAHA Pepsis sp.	brown pelican None/None tarantula hawk None/None	Birds BIRDS Invertebrates INVERTEBRATE	Pelicans PELICANS Pelecanidae Tarantula Hawks TARANTULA HAWKS Pompilidae	PELECANIDAE PELICANS POMPILIDAE SPIDER WASPS	PELECANIDAE—PELICANS POMPILIDAE—SPIDER WASPS	
B-GRAP Perdix perdix	gray partridge None/None white-eared pocket mouse None/None	Birds BIRDS Mammals MAMMALS	Quails, Pheasants & Relative QUAILS, PHEASANTS & RELA Phasianidae	PHASIANIDAE PARTRIDGES, GROUSE, TURKEYS, & OLI HETEROMYIDAE POCKET MICE & KANGAROO RATS	D W PHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OLD WORLD QUAIL HETEROMYIDAE—POCKET MICE & KANGAROO RATS Previously Perognathus alticolus	
M-WEPM Perognathus alticola M-WEPA Perognathus alticolus alticolus	white-eared pocket mouse None/None white-eared pocket mouse None/SSC	Mammais MAMMALS Mammais MAMMALS	Pocket Mice POCKET MICE Heteromyidae Pocket Mice POCKET MICE Heteromyidae	HETEROMYIDAE POCKET MICE & KANGAROO RATS HETEROMYIDAE POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS	
M-TEPM Perognathus alticolus inexpectatus M-SJPM Perognathus inornatus	Tehachapi pocket mouse None/SSC San Joaquin pocket mouse None/None	Mammals MAMMALS Mammals MAMMALS	Pocket Mice POCKET MICE Heteromyidae Pocket Mice POCKET MICE Heteromyidae	HETEROMYIDAE POCKET MICE & KANGAROO RATS HETEROMYIDAE POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS HETEROMYIDAE—POCKET MICE & KANGAROO RATS	
M-LIPM Perognathus longimembris	little pocket mouse None/None	Mammals MAMMALS	Pocket Mice POCKET MICE Heteromyidae	HETEROMYIDAE POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS	
M-PSPM Perognathus longimembris bangsi M-LAPM Perognathus longimembris brevinasus	Palm Springs pocket mouse None/SSC Los Angeles pocket mouse None/SSC	Mammals MAMMALS Mammals MAMMALS	Pocket Mice POCKET MICE Heteromyidae Pocket Mice POCKET MICE Heteromyidae	HETEROMYIDAE POCKET MICE & KANGAROO RATS HETEROMYIDAE POCKET MICE & KANGAROO RATS	HETEROMYIDAE—POCKET MICE & KANGAROO RATS HETEROMYIDAE—POCKET MICE & KANGAROO RATS	
M-PAPM Perognathus longimembris pacificus M-BRDM Peromyscus boylii	Pacific pocket mouse FE/SSC brush deermouse None/None	Mammals MAMMALS Mammals MAMMALS	pocket mice POCKET MICE Heteromyidae Rats, Mice, & Voles RATS, MICE, & VOLES Cricetidae	HETEROMYIDAE POCKET MICE & KANGAROO RATS CRICETIDAE RATS. MICE, & VOLES	HETEROMYIDAE—POCKET MICE & KANGAROO RATS CRICETIDAE—RATS. MICE. & VOLES Previously in Muridae, but Cricetidae per V	Silvan and Rooder
M-CADM Peromyscus californicus	California deermouse None/None	Mammals MAMMALS	Rats, Mice, & Voles RATS, MICE, & VOLES Cricetidae	CRICETIDAE RATS, MICE, & VOLES	CRICETIDAE—RATS, MICE, & VOLES Previously in Muridae, but Cricetidae per V	
M-CAYD Peromyscus crinitus M-CCDM Peromyscus eremicus	canyon deermouse None/None cactus deermouse None/None	Mammals MAMMALS Mammals MAMMALS	Rats, Mice, & Voles RATS, MICE, & VOLES Cricetidae Rats, Mice, & Voles RATS, MICE, & VOLES Cricetidae	CRICETIDAE RATS, MICE, & VOLES CRICETIDAE RATS, MICE, & VOLES	CRICETIDAE—RATS, MICE, & VOLES Previously in Muridae, but Cricetidae per V CRICETIDAE—RATS, MICE, & VOLES Previously in Muridae, but Cricetidae per V	
M-EADM Peromyscus maniculatus	eastern deermouse None/None	Mammals MAMMALS Mammals MAMMALS	Rats, Mice, & Voles RATS, MICE, & VOLES Cricetidae	CRICETIDAE RATS, MICE, & VOLES		/ilson and Reeder. Previously "North American deermouse"; Common name updated per Mammal Biodiversity
M-PIDM Peromyscus truei B-CLSW Petrochelidon pyrrhonota	pinyon deermouse None/None cliff swallow None/None	Mammals MAMMALS Birds BIRDS	Rats, Mice, & Voles RATS, MICE, & VOLES Cricetidae Swallows SWALLOWS Hirundinidae	CRICETIDAE RATS, MICE, & VOLES HIRUNDINIDAE SWALLOWS	CRICETIDAE—RATS, MICE, & VOLES Previously in Muridae, but Cricetidae per V HIRUNDINIDAE—SWALLOWS	/ilson and Reeder. Previously "piñon deermouse"; Common name updated per Mammal Biodiversity Database
R-MERL Petrosaurus mearnsi B-PHAI Phainopepla nitens	Mearns's rock lizard None/None phainopepla None/None	Reptiles REPTILES Birds BIRDS	Lizards LIZARDS Phrynosomatidae Silky Flycatchers SILKY FLYCATCHERS Ptilogonatidae	PHRYNOSOMATIDAE IGUANID LIZARDS PTILOGONATIDAE SILKY-FLYCATCHERS	PHRYNOSOMATIDAE—IGUANID LIZARDS Updated sci and common name per Crothe PTILOGONATIDAE—SILKY-FLYCATCHERS	r (2017)
B-COPO Phalaenoptilus nuttallii	common poorwill None/None	Birds BIRDS	Goatsuckers GOATSUCKERS Caprimulgidae	CAPRIMULGIDAE GOATSUCKERS	CAPRIMULGIDAE—GOATSUCKERS	
B-RNPH Phalaropus lobatus B-WIPH Phalaropus tricolor	red-necked phalarope None/None Wilson's phalarope None/None	Birds BIRDS Birds BIRDS	Shorebirds SHOREBIRDS Scolopacidae Shorebirds SHOREBIRDS Scolopacidae	SCOLOPACIDAE SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES	
B-BHGR Pheucticus melanocephalus I-SOBL Philotes sonorensis	black-headed grosbeak None/None Sonoran blue None/None	Birds BIRDS Invertebrates INVERTEBRATES	Cardinals, Grosbeaks & Allie CARDINALS, GROSBEAKS & A Cardinalidae Butterflies BUTTERFLIES Lycaenidae	CARDINALIDAE CARDINALS & ALLIES LYCAFNIDAE BLUES HAIRSTREAKS & COPPERS	CARDINALIDAE—CARDINALS & ALLIES LYCAFNIDAE—RILIES HAIRSTREAKS & COPPERS	
I-SMBL Philotiella speciosa	small blue None/None	Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Lycaenidae	LYCAENIDAE BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS	
I-CLSU Phoebis sennae I-COSC Pholisora catullus	cloudless sulphur None/None common sootywing None/None	Invertebrates INVERTEBRATES Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Pieridae Butterflies BUTTERFLIES Hesperiidae	PIERIDAE WHITES & SULFURS HESPERIDAE SKIPPERS	PIERIDAE — WHITES & SULFURS HESPERIIDAE — SKIPPERS	
R-BLHL Phrynosoma blainvillii	Blainville's horned lizard None/SSC	Reptiles REPTILES	Lizards LIZARDS Phrynosomatidae	PHRYNOSOMATIDAE IGUANID LIZARDS	PHRYNOSOMATIDAE—IGUANID LIZARDS villii - San Diego Horned Lizard Phrynosom	a coronatum frontale - California Horned Lizard; common name per Crother (2014)
R-FTHL Phrynosoma mcallii R-DHLI Phrynosoma platyrhinos	flat-tailed horned lizard None/SSC desert horned lizard None/None	Reptiles REPTILES Reptiles REPTILES	Lizards LizaRDS Phrynosomatidae Lizards LizaRDS Phrynosomatidae	PHRYNOSOMATIDAE IGUANID LIZARDS PHRYNOSOMATIDAE IGUANID LIZARDS	PHRYNOSOMATIDAE—IGUANID LIZARDS PHRYNOSOMATIDAE—IGUANID LIZARDS	
I-FICR Phyciodes campestris	field crescent None/None Mylitta crescent None/None	Invertebrates INVERTEBRATES Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Nymphalidae	NYMPHALIDAE BRUSH-FOOTED BUTTERFLIES NYMPHALIDAE BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES	
I-PHCR Phyciodes phaon	Phaon crescent None/None	Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Nymphalidae	NYMPHALIDAE BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES	
I-TECR Phyciodes texana R-PLTG Phyllodactylus nocticolus	Texan crescent None/None Peninsula leaf-toed gecko None/None	Invertebrates INVERTEBRATES Reptiles REPTILES	Butterflies BUTTERFLIES Nymphalidae Lizards LIZARDS Gekkonidae	NYMPHALIDAE BRUSH-FOOTED BUTTERFLIES GEKKONIDAE GECKOS	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES GEKKONIDAE—GECKOS	
R-SLNS Phyllorhynchus decurtatus	spotted leaf-nosed snake None/None	Reptiles REPTILES	Snakes SNAKES Colubridae	COLUBRIDAE COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES	
B-BBMA Pica hudsonia B-YBMA Pica nuttalli	black-billed magpie None/None yellow-billed magpie BCC/None	Birds BIRDS Birds BIRDS	Jays, Magpies & Crows JAYS, MAGPIES & CROWS Corvidae Jays, Magpies & Crows JAYS, MAGPIES & CROWS Corvidae	CORVIDAE CROWS & JAYS CORVIDAE CROWS & JAYS	CORVIDAE—CROWS & JAYS Added Jan 2020 CORVIDAE—CROWS & JAYS Added Jan 2020	
I-CAWH Pieris rapae B-GTTO Pipilo chlorurus	cabbage white None/None green-tailed towhee None/None	Invertebrates INVERTEBRATES Birds BIRDS	Butterflies BUTTERFLIES Pieridae New World Sparrows NEW WORLD SPARROWS Passerellidae	PIERIDAE WHITES & SULFURS PASSERELLIDAE NEW WORLD SPARROWS	PIERIDAE—WHITES & SULFURS PASSERELLIDAE—NEW WORLD SPARROWS	
B-SPTO Pipilo maculatus	spotted towhee None/None	Birds BIRDS	New World Sparrows NEW WORLD SPARROWS Passerellidae	PASSERELLIDAE NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS	
B-WETA Piranga ludoviciana B-SUTA Piranga rubra	western tanager None/None summer tanager None/SSC	Birds BIRDS Birds BIRDS	Cardinals, Grosbeaks & Allie CARDINALS, GROSBEAKS & A Cardinalidae Cardinals, Grosbeaks & Allie CARDINALS, GROSBEAKS & A Cardinalidae	CARDINALIDAE CARDINALS & ALLIES CARDINALIDAE CARDINALS & ALLIES	CARDINALIDAE—CARDINALS & ALLIES CARDINALIDAE—CARDINALS & ALLIES	
R-GOPH Pituophis catenifer I-SEBL Plebejus emigdionis	gophersnake None/None San Emigdio blue None/None	Reptiles REPTILES Invertebrates INVERTEBRATES	Snakes SNAKES Colubridae Butterflies BUTTERFLIES Lycaenidae	COLUBRIDAE COLUBRID SNAKES LYCAENIDAE BLUES, HAIRSTREAKS, & COPPERS	COLUBRIDAE—COLUBRID SNAKES LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS	
I-LUBL Plebejus lupini	lupine blue None/None	Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Lycaenidae	LYCAENIDAE BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS	
I-GRBL Plebejus saepiolus B-WFIB Plegadis chihi	greenish blue None/None white-faced ibis None/WL	Invertebrates INVERTEBRATES Birds BIRDS	Butterflies BUTTERFLIES Lycaenidae Ibises & Spoonbills IBISES & SPOONBILLS Threskiornithidae	LYCAENIDAE BLUES, HAIRSTREAKS, & COPPERS THRESKIORNITHIDAE IBISES & SPOONBILLS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS THRESKIORNITHIDAE—IBISES & SPOONBILLS	
B-GLIB Plegadis falcinellus	glossy ibis None/None	Birds BIRDS	Ibises & Spoonbills IBISES & SPOONBILLS Threskiornithidae	THRESKIORNITHIDAE IBISES & SPOONBILLS	THRESKIORNITHIDAE—IBISES & SPOONBILLS	
I-SGBL Plejebus saepiolus aureolus R-GISK Plestiodon gilberti	San Gabriel Mountains blue None/None Gilbert's skink None/None	Invertebrates INVERTEBRATES Reptiles REPTILES	Butterflies BUTTERFLIES Lycaenidae Lizards LIZARDS Scincidae	LYCAENIDAE BLUES, HAIRSTREAKS, & COPPERS SCINCIDAE SKINKS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS Not in NABA (2015), but on the Special Ani SCINCIDAE—SKINKS	mais list (CDFW 2016)
R-WESK Plestiodon skiltonianus R-COSK Plestiodon skiltonianus interparietalis	western skink None/None Coronado skink None/WL	Reptiles REPTILES Reptiles REPTILES	Lizards LizarDS Scincidae Lizards LizarDS Scincidae	SCINCIDAE SKINKS SCINCIDAE SKINKS	SCINCIDAE—SKINKS SCINCIDAE—SKINKS Added Oct 2016 because included in the ke	rrata lookun tahle
B-BBPL Pluvialis squatarola	black-bellied plover None/None	Birds BIRDS	Shorebirds SHOREBIRDS Charadriidae	CHARADRIIDAE LAPWINGS & PLOVERS	CHARADRIIDAE—LAPWINGS & PLOVERS	
I-UMSK Poanes melane B-HOGR Podiceps auritus	umber skipper None/None horned grebe None/None	Invertebrates INVERTEBRATES Birds BIRDS	Butterflies BUTTERFLIES Hesperiidae Grebes GREBES Podicipedidae	HESPERIIDAE SKIPPERS PODICIPEDIDAE GREBES	HESPERIIDAE—SKIPPERS PODICIPEDIDAE—GREBES	
B-EAGR Podiceps nigricollis B-PBGR Podilymbus podiceps	eared grebe None/None pied-billed grebe None/None	Birds BIRDS Birds BIRDS	Grebes GREBES Podicipedidae Grebes GREBES Podicipedidae	PODICIPEDIDAE GREBES PODICIPEDIDAE GREBES	PODICIPEDIDAE—GREBES PODICIPEDIDAE—GREBES	
B-MOCH Poecile gambeli	mountain chickadee None/None	Birds BIRDS	Titmice TITMICE Paridae	PARIDAE CHICKADEES & TITMICE	PARIDAE—CHICKADEES & TITMICE	
B-CBCH Poecile rufescens B-NCBC Poecile rufescens rufescens	chestnut-backed chickadee None/None Northern chestnut-backed chickade BCC/None	Birds BIRDS Birds BIRDS	Titmice TITMICE Paridae Titmice TITMICE Paridae	PARIDAE CHICKADEES & TITMICE PARIDAE CHICKADEES & TITMICE	PARIDAE—CHICKADEES & TITMICE Added Oct 2016 because included in the ket PARIDAE—CHICKADEES & TITMICE Added 7.12.21 because this subspecies is o	
B-BGGN Polioptila caerulea B-CAGN Polioptila californica californica	blue-gray gnatcatcher None/None coastal California gnatcatcher FT/SSC	Birds BIRDS	Old World Warblers & Gnat OLD WORLD WARBLERS & G Polioptilidae Old World Warblers & Gnat OLD WORLD WARBLERS & G Polioptilidae	POLIOPTILIDAE GNATCATCHERS POLIOPTILIDAE GNATCATCHERS	POLIOPTILIDAE—GNATCATCHERS POLIOPTILIDAE—GNATCATCHERS	
B-BTGN Polioptila melanura	black-tailed gnatcatcher None/WL	Birds BIRDS	Old World Warblers & Gnat OLD WORLD WARBLERS & GI Polioptilidae	POLIOPTILIDAE GNATCATCHERS	POLIOPTILIDAE—GNATCATCHERS	
I-SASK Polites sabuleti I-ZHCO Polygonia gracilis zephyrus	sandhill skipper None/None Zephyr hoary comma None/None	Invertebrates INVERTEBRATES Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Hesperiidae Butterflies BUTTERFLIES Nymphalidae	HESPERIIDAE SKIPPERS NYMPHALIDAE BRUSH-FOOTED BUTTERFLIES	HESPERIIDAE—SKIPPERS NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES	
I-SACO Polygonia satyrus	satyr comma None/None hammock skipper None/None	Invertebrates INVERTEBRATES Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Nymphalidae Butterflies BUTTERFLIES Hesperiidae	NYMPHALIDAE BRUSH-FOOTED BUTTERFLIES HESPERIIDAE SKIPPERS	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES HESPERIIDAE—SKIPPERS	
F-BLCR Pomoxis nigromaculatus	black crappie None/None	Fishes FISHES	Ray-finned fishes RAY-FINNED FISHES Centrarchidae	CENTRARCHIDAE SUNFISHES	CENTRARCHIDAE—SUNFISHES	
-BEWH Pontia beckerii -CHWH Pontia protodice	Becker's white None/None checkered white None/None	Invertebrates INVERTEBRATES Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Pieridae Butterflies BUTTERFLIES Pieridae	PIERIDAE WHITES & SULFURS PIERIDAE WHITES & SULFURS	PIERIDAE—WHITES & SULFURS PIERIDAE—WHITES & SULFURS	
I-SPWH Pontia sisymbrii	spring white None/None	Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Pieridae	PIERIDAE WHITES & SULFURS	PIERIDAE—WHITES & SULFURS	and official is LICENIC DCC
B-VESP Pooecetes gramineus B-SORA Porzana carolina	vesper sparrow None/None sora None/None	Birds BIRDS Birds BIRDS	New World Sparrows NEW WORLD SPARROWS Passerellidae Rails, Gallinules & Coots RAILS, GALLINULES & COOTS Rallidae	PASSERELLIDAE NEW WORLD SPARROWS RALLIDAE RAILS, GALLINULES, & COOTS	PASSERELLIDAE—NEW WORLD SPARROWS Oregon vesper sparrow (Pooecetes gramin RALLIDAE—RAILS, GALLINULES, & COOTS	eus annins) is USFWS BCC.
I-RSCR Procambarus clarkii C-CRAY Procambarus sp.	red swamp crayfish None/None crayfish None/None	* Invertebrates INVERTEBRATES Invertebrates INVERTEBRATES	Crayfish CRAYFISH Cambaridae Crayfish CRAYFISH Cambaridae	CAMBARIDAE FRESHWATER CRAYFISH CAMBARIDAE FRESHWATER CRAYFISH	CAMBARIDAE—FRESHWATER CRAYFISH CAMBARIDAE—FRESHWATER CRAYFISH	
M-NORA Procyon lotor	northern raccoon None/None	Mammals MAMMALS	Raccoons RACCOONS Procyonidae	PROCYONIDAE RACCOONS & RELATIVES	PROCYONIDAE—RACCOONS & RELATIVES Previously "raccoon". Common name upda	ted per Mammal Biodiversity Database 7.16.21.
B-PUMA Progne subis B-BUSH Psaltriparus minimus	purple martin None/SSC bushtit None/None	Birds BIRDS Birds BIRDS	Swallows SWALLOWS Hirundinidae Bushtits BUSHTITS Aegithalidae	HIRUNDINIDAE SWALLOWS AEGITHALIDAE LONG-TAILED TITS & BUSHTITS	HIRUNDINIDAE—SWALLOWS AEGITHALIDAE—LONG-TAILED TITS & BUSHTITS Otospermophilus (Helgen et al. 2009)	
A-CATR Pseudacris cadaverina	California treefrog None/None	Amphibians AMPHIBIANS	Frogs FROGS Hylidae	HYLIDAE TREEFROGS HYLIDAE TREEFROGS	HYLIDAE—TREEFROGS HYLIDAE—TREEFROGS	
A-SITF Pseudacris sierra	Baja California treefrog None/None Sierran treefrog None/None	Amphibians AMPHIBIANS	Frogs FROGS Hylidae	HYLIDAE TREEFROGS	HYLIDAE—TREEFROGS	
I-ALSK Pseudocopaeodes eunus eunus I-WOBB Pseudopityophthorus pubipennis	alkali skipper None/None western oak bark beetle None/None	Invertebrates INVERTEBRATES * Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Hesperiidae Snout and Bark Beetles SNOUT AND BARK BEETLES Curculionidae	HESPERIIDAE SKIPPERS CURCULIONIDAE SNOUT AND BARK BEETLES	HESPERIIDAE—SKIPPERS At species level in NABA (2015), but at sub-	pecies level on the Special Animals list (CDFW 2016)
B-FLOW Psiloscops flammeolus F-COPI Ptychocheilus lucius	flammulated owl BCC/None Colorado pikeminnow FE/FP. SE	Birds BIRDS Fishes FISHES	Owls OWLS Strigidae Minnows & Carps MINNOWS & CARPS Cyprinidae	STRIGIDAE TYPICAL OWLS CYPRINIDAE MINNOWS & CARPS	STRIGIDAE—TYPICAL OWLS previously Otus flammeolus CYPRINIDAE—MINNOWS & CARPS Added Oct 2016 because included in the ke	overta lankun tahla
M-MOLI Puma concolor	puma None/None	Mammals MAMMALS	Cats CATS Felidae	FELIDAE CATS	FELIDAE—CATS Previously cougar. Common name updated	rata lookup table. per Mammal Biodiversity Database 7.16.21
I-WCSK Pyrgus albescens I-LMSK Pyrgus ruralis lagunae	white checkered-skipper None/None Laguna Mountains skipper FE/None	Invertebrates INVERTEBRATES Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Hesperiidae Butterflies BUTTERFLIES Hesperiidae	HESPERIIDAE SKIPPERS HESPERIIDAE SKIPPERS	HESPERIIDAE—SKIPPERS HESPERIIDAE—SKIPPERS Not in NABA (2015), but on the SDNHM list	
I-SCSK Pyrgus scriptura	small checkered-skipper None/None	Invertebrates INVERTEBRATES	Butterflies BUTTERFLIES Hesperiidae	HESPERIIDAE SKIPPERS	HESPERIIDAE—SKIPPERS	
B-VEFL Pyrocephalus rubinus B-GTGR Quiscalus mexicanus	vermilion flycatcher None/SSC great-tailed grackle None/None	Birds BIRDS Birds BIRDS	Flycatchers FLYCATCHERS Tyrannidae Blackbirds, Orioles & Allies BLACKBIRDS, ORIOLES & ALL Icteridae	TYRANNIDAE TYRANT FLYCATCHERS ICTERIDAE BLACKBIRDS	TYRANNIDAE—TYRANT FLYCATCHERS ICTERIDAE—BLACKBIRDS	
B-VIRA Rallus limicola B-RIRA Rallus obsoletus levipes	Virginia rail None/None light-footed Ridgway's rail FE/FP, SE	Birds BIRDS Birds BIRDS	Rails, Gallinules & Coots RAILS, GALLINULES & COOTS Rallidae Rails, Gallinules & Coots RAILS, GALLINULES & COOTS Rallidae	RALLIDAE RAILS, GALLINULES, & COOTS RALLIDAE RAILS, GALLINULES, & COOTS	RALLIDAE—RAILS, GALLINULES, & COOTS RALLIDAE—RAILS, GALLINULES, & COOTS Previously light-footed clapper rail (Rallus I	nngirostris Jevines)
B-RRSF Rallus obsoletus obsoletus	California Ridgeway's rail FE/FP, SE	Birds BIRDS	Rails, Gallinules & Coots RAILS, GALLINULES & COOTS Rallidae	RALLIDAE RAILS, GALLINULES, & COOTS	RALLIDAE—RAILS, GALLINULES, & COOTS Previously clapper rail (Rallus longirostris)	
B-YRRA Rallus obsoletus yumanensis A-NRLF Rana aurora	Yuma Ridgway's rail FE/FP, ST northern red-legged frog None/SSC	Birds BIRDS Amphibians AMPHIBIANS	Rails, Gallinules & Coots RAILS, GALLINULES & COOTS Rallidae Frogs FROGS Ranidae	RALLIDAE RAILS, GALLINULES, & COOTS RANIDAE TRUE FROGS	RALLIDAE—RAILS, GALLINULES, & COOTS Previously Yuma clapper rail (Rallus longing RANIDAE—TRUE FROGS	stris yumanensis)
A-FYLF Rana boylii	foothill yellow-legged frog None/SSC, SE	Amphibians AMPHIBIANS	Frogs FROGS Ranidae Froes FROGS Ranidae	RANIDAE TRUE FROGS RANIDAE TRUE FROGS	RANIDAE—TRUE FROGS RANIDAE—TRUE FROGS	
A-MYLF Rana muscosa	southern mountain yellow-legged fr FE/SE, WL	Amphibians AMPHIBIANS	Frogs FROGS Ranidae	RANIDAE TRUE FROGS	RANIDAE—TRUE FROGS pecial Animals list (Oct2016) and Crother (2)	017); Previously mountain yellow-legged frog
A-SYLF Rana sierrae M-BRAT Rattus norvegicus	Sierra Nevada yellow-legged frog FE/ST, WL brown rat None/None	Amphibians AMPHIBIANS * Mammals MAMMALS	Frogs FROGS Ranidae Rats, Mice, & Voles RATS, MICE, & VOLES Muridae	RANIDAE TRUE FROGS MURIDAE RATS, MICE, & VOLES	RANIDAE—TRUE FROGS MURIDAE—RATS, MICE, & VOLES	
M-RORA Rattus rattus	roof rat None/None	* Mammals MAMMALS	Rats, Mice, & Voles RATS, MICE, & VOLES Muridae	MURIDAE RATS, MICE, & VOLES	MURIDAE—RATS, MICE, & VOLES	
B-AMAV Recurvirostra americana B-GCKI Regulus satrapa	American avocet BCC/None golden-crowned kinglet None/None	Birds BIRDS Birds BIRDS	Shorebirds SHOREBIRDS Recurvirostridae Kinglets KINGLETS Regulidae	RECURVIROSTRIDAE STILTS & AVOCETS REGULIDAE KINGLETS	RECURVIROSTRIDAE—STILTS & AVOCETS REGULIDAE—KINGLETS	
M-WHMO Reithrodontomys megalotis	western harvest mouse None/None western threadsnake None/None	Mammals MAMMALS Reptiles REPTILES	Rats, Mice, & Voles RATS, MICE, & VOLES Cricetidae Snakes SNAKES Leptotyphlopidae	CRICETIDAE RATS, MICE, & VOLES LEPTOTYPHLOPIDAE SLENDER BLIND SNAKES	CRICETIDAE—RATS, MICE, & VOLES Previously in Muridae, but Cricetidae per V LEPTOTYPHLOPIDAE—SLENDER BLIND SNAKES Common name from Crother (2017); previously in Muridae, but Cricetidae per V	
	long-nosed snake None/None	Reptiles REPTILES	Snakes SNAKES Colubridae	COLUBRIDAE COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES	SOUTHEREN THEOUSHARE
R-WETH Rena humilis R-LNSN Rhinocheilus lecontei		Birds BIRDS	Swallows SWALLOWS Hirundinidae	HIRUNDINIDAE SWALLOWS	HIRUNDINIDAE—SWALLOWS	
R-WETH Rena humilis	bank swallow None/ST black skimmer BCC/SSC	Birds BIRDS	Terns & Gulls TERNS & GULLS Laridae	LARIDAE GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS	
R-WETH Rena humilis R-INSN Rhinocheilus lecontei B-BANS Riparia riparia B-BLSK Rynchops niger F-BRTR Solmo trutta	black skimmer BCC/SSC brown trout None/None	Birds BIRDS Fishes FISHES	Salmon & Trouts SALMON & TROUTS Salmonidae	SALMONIDAE SALMON & TROUTS	SALMONIDAE—SALMON & TROUTS Added Oct 2016 because included in the ke	rata lookup table.
R-WETH Rena humilis R-LNSN Rhinocheilus lecontei B-BANS Riparia riparia B-BLSK Rynchops niger	black skimmer BCC/SSC	Birds BIRDS				rata lookup table.

I-HEHA	Satyrium saepium	hedgerow hairstreak	None/None	Invertel	ebrates	INVERTEBRATES	Butterflies	BUTTERFLIES	Lycaenidae	LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		1
I-SYHA I-MMHA	Satyrium sylvinus Satyrium tetra	sylvan hairstreak mountain mahogany hairstreak	None/None None/None	Inverteb	ebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Lycaenidae Lycaenidae	LYCAENIDAE LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS LYCAENIDAE—BLUES. HAIRSTREAKS. & COPPERS		
R-CHUC B-BLPH	Sauromalus ater	common chuckwalla	None/None	Reptiles		REPTILES	Lizards	LIZARDS FLYCATCHERS	Iguanidae	IGUANIDAE TYRANNIDAE	IGUANID LIZARDS TYRANT FLYCATCHERS	IGUANIDAE—IGUANID LIZARDS TYRANNIDAE—TYRANT FLYCATCHERS		
B-SAPH	Sayornis nigricans Sayornis saya	black phoebe Say's phoebe	None/None None/None	Birds Birds		BIRDS BIRDS	Flycatchers Flycatchers	FLYCATCHERS	Tyrannidae Tyrannidae	TYRANNIDAE	TYRANT FLYCATCHERS	TYRANNIDAE—TYRANT FLYCATCHERS		
M-BFMO A-COSP	Scapanus latimanus Scaphiopus couchii	northern broad-footed mole Couch's spadefoot	None/None None/SSC	Mamma Amphib	ibians	MAMMALS AMPHIBIANS	Moles Toads	MOLES TOADS	Talpidae Pelobatidae	TALPIDAE PELOBATIDAE	MOLES SPADEFOOTS	TALPIDAE—MOLES PELOBATIDAE—SPADEFOOTS	Previously "broad-footed mole". Common	name updated per Mammal Biodiversity Database 7.16.21.
R-CSLI R-SSLI	Sceloporus graciosus Sceloporus graciosus vandenburgianus	common sagebrush lizard southern sagebrush lizard	None/None None/None	Reptiles Reptiles		REPTILES REPTILES	Lizards Lizards	LIZARDS LIZARDS	Phrynosomatidae Phrynosomatidae	PHRYNOSOMATIDAE PHRYNOSOMATIDAE	IGUANID LIZARDS IGUANID LIZARDS	PHRYNOSOMATIDAE—IGUANID LIZARDS PHRYNOSOMATIDAE—IGUANID LIZARDS	Added Oct 2016 because included in the ke	erata lookup table.
R-DSLI R-WFLI	Sceloporus magister Sceloporus occidentalis	desert spiny lizard western fence lizard	None/None None/None	Reptiles Reptiles		REPTILES REPTILES	Lizards Lizards	LIZARDS LIZARDS	Phrynosomatidae Phrynosomatidae	PHRYNOSOMATIDAE PHRYNOSOMATIDAE	IGUANID LIZARDS IGUANID LIZARDS	PHRYNOSOMATIDAE—IGUANID LIZARDS PHRYNOSOMATIDAE—IGUANID LIZARDS		
R-GSLI M-WGSQ	Sceloporus orcutti Sciurus griseus	granite spiny lizard western gray squirrel	None/None None/None	Reptiles Mamma		REPTILES MAMMALS	Lizards Squirrels	LIZARDS SQUIRRELS	Phrynosomatidae Sciuridae	PHRYNOSOMATIDAE SCIURIDAE	IGUANID LIZARDS SQUIRRELS	PHRYNOSOMATIDAE—IGUANID LIZARDS SCIURIDAE—SQUIRRELS		
	Sciurus niger Selasphorus calliope	eastern fox squirrel Calliope hummingbird	None/None BCC/None	* Mamma Birds		MAMMALS	Squirrels	SQUIRRELS HUMMINGBIRDS	Sciuridae Trochilidae	SCIURIDAE TROCHILIDAE	SQUIRRELS HUMMINGBIRDS	SCIURIDAE—SQUIRRELS TROCHILIDAE—HUMMINGBIRDS	previously Stellula calliope, Selasphorus ca	liona
B-RUHU	Selasphorus rufus	rufous hummingbird	BCC/None	Birds		BIRDS	Hummingbirds Hummingbirds	HUMMINGBIRDS	Trochilidae	TROCHILIDAE	HUMMINGBIRDS	TROCHILIDAE—HUMMINGBIRDS	previously stellula calliope, selaspriorus ca	поре
B-ALHU B-SELA	Selasphorus sasin Selasphorus sp.	Allen's hummingbird Allen's/rufous hummingbird	None/None None/None	Birds Birds		BIRDS BIRDS	Hummingbirds Hummingbirds	HUMMINGBIRDS HUMMINGBIRDS	Trochilidae Trochilidae	TROCHILIDAE TROCHILIDAE	HUMMINGBIRDS HUMMINGBIRDS	TROCHILIDAE—HUMMINGBIRDS TROCHILIDAE—HUMMINGBIRDS		
B-YRWA B-YTWA	Setophaga coronata Setophaga dominica	yellow-rumped warbler yellow-throated warbler	None/None None/None	Birds Birds		BIRDS BIRDS		WOOD WARBLERS & ALLIES WOOD WARBLERS & ALLIES		PARULIDAE PARULIDAE	WOOD-WARBLERS WOOD-WARBLERS	PARULIDAE—WOOD-WARBLERS PARULIDAE—WOOD-WARBLERS		
B-BTYW B-HEWA	Setophaga nigrescens Setophaga occidentalis	black-throated gray warbler hermit warbler	BCC/None None/None	Birds Birds		BIRDS BIRDS		WOOD WARBLERS & ALLIES WOOD WARBLERS & ALLIES		PARULIDAE PARULIDAE	WOOD-WARBLERS WOOD-WARBLERS	PARULIDAE—WOOD-WARBLERS PARULIDAE—WOOD-WARBLERS		
B-PAWA B-YWAR	Setophaga palmarum Setophaga petechia	palm warbler yellow warbler	None/None None/SSC	Birds Birds		BIRDS BIRDS	Wood Warblers & Allies	WOOD WARBLERS & ALLIES WOOD WARBLERS & ALLIES	Parulidae	PARULIDAE PARULIDAE	WOOD-WARBLERS WOOD-WARBLERS	PARULIDAE—WOOD-WARBLERS PARULIDAE—WOOD-WARBLERS	Added Dec 2016	
	Setophaga townsendi Sialia currucoides	Townsend's warbler mountain bluebird	None/None None/None	Birds Birds		BIRDS BIRDS		WOOD WARBLERS & ALLIES THRUSHES		PARULIDAE TURDIDAE	WOOD-WARBLERS THRUSHES	PARULIDAE—WOOD-WARBLERS TURDIDAE—THRUSHES		
B-WEBL	Sialia mexicana	western bluebird	None/None	Birds		BIRDS MAMMAIS	Thrushes	THRUSHES	Turdidae	TURDIDAE	THRUSHES	TURDIDAE—THRUSHES		
M-HCRA B-RBNU	Sigmodon hispidus Sitta canadensis	hispid cotton rat red-breasted nuthatch	None/None None/None	Mamma Birds	nals	BIRDS	Rats, Mice, & Voles Nuthatches	RATS, MICE, & VOLES NUTHATCHES	Cricetidae Sittidae	CRICETIDAE SITTIDAE	RATS, MICE, & VOLES NUTHATCHES	CRICETIDAE—RATS, MICE, & VOLES SITTIDAE—NUTHATCHES	Previously in Muridae, but Cricetidae per V	Vilson and Reeder.
B-WBNU B-SBWN	Sitta carolinensis Sitta carolinensis aculeata	white-breasted nuthatch slender-billed white-breasted nut	None/None ha BCC/None	Birds Birds		BIRDS BIRDS	Nuthatches Nuthatches	NUTHATCHES NUTHATCHES	Sittidae Sittidae	SITTIDAE SITTIDAE	NUTHATCHES NUTHATCHES	SITTIDAE—NUTHATCHES SITTIDAE—NUTHATCHES	Added 7.12.21 because this subspecies is o	n the USFWS BCC list.
B-PYNU R-WEGR	Sitta pygmaea Sonora semiannualata	pygmy nuthatch western groundsnake	None/None None/None	Birds Reptiles	es	BIRDS REPTILES	Nuthatches Snakes	NUTHATCHES SNAKES	Sittidae Colubridae	SITTIDAE COLUBRIDAE	NUTHATCHES COLUBRID SNAKES	SITTIDAE—NUTHATCHES COLUBRIDAE—COLUBRID SNAKES		
M-ORSH M-BLOS	Sorex ornatus Sorex ornatus relictus	ornate shrew Buena Vista Lake ornate shrew	None/None FE/SSC	Mamma	nals	MAMMALS MAMMALS	Shrews Shrews	SHREWS SHREWS	Soricidae Soricidae	SORICIDAE SORICIDAE	SHREWS SHREWS	SORICIDAE—SHREWS SORICIDAE—SHREWS	Added Oct 2016 because included in the ke	erata lookup table: included in SA list, but not Wilson and I
B-NSHO	Spatula clypeata	northern shoveler	None/None	Birds	1013	BIRDS	Waterfowl	WATERFOWL	Anatidae	ANATIDAE	DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS	Added Oct 2010 Decade included in the Re	state tookup tubic, metuded in 5x 152, but not 1115511 and 1
B-CITE B-BWTE	Spatula cyanoptera Spatula discors	cinnamon teal blue-winged teal	None/None None/None	Birds Birds		BIRDS BIRDS	Waterfowl Waterfowl	WATERFOWL WATERFOWL	Anatidae Anatidae	ANATIDAE ANATIDAE	DUCKS, GEESE, & SWANS DUCKS, GEESE, & SWANS	ANATIDAE—DUCKS, GEESE, & SWANS ANATIDAE—DUCKS, GEESE, & SWANS		
A-WESP I-COFR	Spea hammondii Speyeria callippe comstocki	western spadefoot Comstock's fritillary	None/SSC None/None	Amphib Inverteb	ebrates	AMPHIBIANS INVERTEBRATES	Toads Butterflies	TOADS BUTTERFLIES	Pelobatidae Nymphalidae	PELOBATIDAE NYMPHALIDAE	SPADEFOOTS BRUSH-FOOTED BUTTERFLIES	PELOBATIDAE—SPADEFOOTS NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES	Not in NABA (2015), but on the Special Ani	
I-SEFR B-RNSA	Speyeria coronis semiramis Sphyrapicus nuchalis	Semiramis fritillary red-naped sapsucker	None/None None/None	Inverteb Birds		INVERTEBRATES BIRDS	Butterflies Woodpeckers	BUTTERFLIES WOODPECKERS	Nymphalidae Picidae	NYMPHALIDAE PICIDAE	BRUSH-FOOTED BUTTERFLIES WOODPECKERS & ALLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES PICIDAE—WOODPECKERS & ALLIES	Not in NABA (2015), but on the SDNHM list	
B-RBSA B-WISA	Sphyrapicus ruber Sphyrapicus thyroideus	red-breasted sapsucker Williamson's sapsucker	None/None None/None	Birds Birds		BIRDS BIRDS	Woodpeckers Woodpeckers	WOODPECKERS WOODPECKERS	Picidae Picidae	PICIDAE PICIDAE	WOODPECKERS & ALLIES WOODPECKERS & ALLIES	PICIDAE—WOODPECKERS & ALLIES PICIDAE—WOODPECKERS & ALLIES		
M-SPSK	Spilogale gracilis	western spotted skunk	None/None	Mamma	nals	MAMMALS	Mustelids	MUSTELIDS FINCHES	Mephitidae	MEPHITIDAE FRINGILLIDAE	SKUNKS	MEPHITIDAE—SKUNKS	urc	
B-LAGO B-PISI	Spinus lawrencei Spinus pinus	Lawrence's goldfinch pine siskin	BCC/None None/None	Birds Birds		BIRDS BIRDS	Finches Finches	FINCHES	Fringillidae Fringillidae	FRINGILLIDAE	FRINGILLINE & CARDUELINE FINCHES & AL	FRINGILLIDAE—FRINGILLINE & CARDUELINE FINCHES & AI FRINGILLIDAE—FRINGILLINE & CARDUELINE FINCHES & AI	LIES	
B-LEGO B-AMGO	Spinus psaltria Spinus tristis	lesser goldfinch American goldfinch	None/None None/None	Birds Birds		BIRDS BIRDS	Finches Finches	FINCHES FINCHES	Fringillidae Fringillidae	FRINGILLIDAE FRINGILLIDAE	FRINGILLINE & CARDUELINE FINCHES & AL	FRINGILLIDAE—FRINGILLINE & CARDUELINE FINCHES & AI FRINGILLIDAE—FRINGILLINE & CARDUELINE FINCHES & AI		
B-BCSP B-BRSP	Spizella atrogularis Spizella breweri	black-chinned sparrow Brewer's sparrow	None/None None/None	Birds Birds		BIRDS BIRDS	New World Sparrows New World Sparrows	NEW WORLD SPARROWS NEW WORLD SPARROWS	Passerellidae Passerellidae	PASSERELLIDAE PASSERELLIDAE	NEW WORLD SPARROWS NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS PASSERELLIDAE—NEW WORLD SPARROWS		
B-CHSP B-ATSP	Spizella passerina Spizelloides arborea	chipping sparrow American tree sparrow	None/None None/None	Birds Birds		BIRDS BIRDS	New World Sparrows New World Sparrows	NEW WORLD SPARROWS NEW WORLD SPARROWS		PASSERELLIDAE PASSERELLIDAE	NEW WORLD SPARROWS NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS PASSERELLIDAE—NEW WORLD SPARROWS		
I-GHSC B-NRWS	Staphylus ceos	golden-headed scallopwing	None/None None/None	Inverteb	ebrates	INVERTEBRATES	Butterflies Swallows	BUTTERFLIES SWALLOWS	Hesperiidae Hirundinidae	HESPERIIDAE HIRUNDINIDAE	SKIPPERS SWALLOWS	HESPERIIDAE—SKIPPERS HIRUNDINIDAE—SWALLOWS		
B-FOTE	Stelgidopteryx serripennis Sterna forsteri	northern rough-winged swallow Forster's tern	BCC/None	Birds		BIRDS	Terns & Gulls	TERNS & GULLS	Laridae	LARIDAE	GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS		
B-COTE B-LETE	Sterna hirundo Sternula antillarum	common tern least tern	None/None None/None	Birds Birds		BIRDS BIRDS	Terns & Gulls Terns & Gulls	TERNS & GULLS TERNS & GULLS	Laridae Laridae	LARIDAE LARIDAE	GULLS, TERNS, & SKIMMERS GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS LARIDAE—GULLS, TERNS, & SKIMMERS		
B-CLTE C-RFSH	Sternula antillarum browni Streptocephalus woottoni	California least tern Riverside fairy shrimp	FE/FP, SE FE/None	Birds Inverteb	ebrates	BIRD INVERTEBRATES	Terns & Gulls Fairy Shrimp	TERNS & GULLS FAIRY SHRIMP	Laridae Streptocephalidae	STREPTOCEPHALIDAE	GULLS, TERNS, & SKIMMERS STREPTOCEPHALID BRINE SHRIMP	LARIDAE—GULLS, TERNS, & SKIMMERS STREPTOCEPHALIDAE—STREPTOCEPHALID BRINE SHRIMF	Formerly Sternula antillarum browni	
B-SPDO B-EUCD	Streptopelia chinensis Streptopelia decaocto	spotted dove Eurasian collared-dove	None/None None/None	Birds * Birds		BIRDS BIRDS	Pigeons & Doves Pigeons & Doves	PIGEONS & DOVES PIGEONS & DOVES	Columbidae Columbidae	COLUMBIDAE	PIGEONS & DOVES PIGEONS & DOVES	COLUMBIDAE—PIGEONS & DOVES COLUMBIDAE—PIGEONS & DOVES		
B-SPOW B-NSOW	Strix occidentalis Strix occidentalis caurina	spotted owl northern spotted owl	None/None FT/ST	Birds Birds		BIRDS BIRDS	Owls Owls	OWLS	Strigidae	STRIGIDAE STRIGIDAE	TYPICAL OWLS TYPICAL OWLS	STRIGIDAE—TYPICAL OWLS STRIGIDAE—TYPICAL OWLS	Added 7.12.21 because California spotted	and in included on USENIC DCC link
B-CSOW	Strix occidentalis occidentalis	California spotted owl	BCC/SSC	Birds		BIRDS	Owls	OWLS	Strigidae Strigidae	STRIGIDAE	TYPICAL OWLS	STRIGIDAE—TYPICAL OWLS	Added 7.12.21 because included on USFW!	
I-MSHA I-GRHA	Strymon istapa Strymon melinus	mallow scrub-hairstreak gray hairstreak	None/None None/None	Inverteb		INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Lycaenidae Lycaenidae	LYCAENIDAE LYCAENIDAE	BLUES, HAIRSTREAKS, & COPPERS BLUES, HAIRSTREAKS, & COPPERS	LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS LYCAENIDAE—BLUES, HAIRSTREAKS, & COPPERS		
B-WEME B-EUST	Sturnella neglecta Sturnus vulgaris	western meadowlark European starling	None/None None/None	* Birds		BIRDS BIRDS	Starlings & Allies	STARLINGS & ALLIES	LI Icteridae Sturnidae	ICTERIDAE STURNIDAE	BLACKBIRDS STARLINGS	ICTERIDAE—BLACKBIRDS STURNIDAE—STARLINGS		
M-EWPI M-DECO	Sus scrofa Sylvilagus audubonii	Eurasian wild pig desert cottontail	None/None None/None	* Mamma Mamma		MAMMALS MAMMALS	Ungulates Hares & Rabbits	UNGULATES HARES & RABBITS	Suidae Leporidae	SUIDAE LEPORIDAE	PIGS HARES & RABBITS	SUIDAE—PIGS LEPORIDAE—HARES & RABBITS	previously M-WIPI. Previously "wild boar".	Common name updated per Mammal Biodiversity Databa
M-BRRA I-TPSK	Sylvilagus bachmani Systasea pulverulenta	brush rabbit Arizona powdered-skipper	None/None None/None	Mamma		MAMMALS INVERTEBRATES	Hares & Rabbits Butterflies	HARES & RABBITS BUTTERFLIES	Leporidae Hesperiidae	LEPORIDAE HESPERIIDAE	HARES & RABBITS SKIPPERS	LEPORIDAE—HARES & RABBITS HESPERIIDAE—SKIPPERS		
I-APSK B-TRES	Systasea zampa	Arizona powdered skipper	None/None	Inverteb		INVERTEBRATES	Butterflies	BUTTERFLIES SWALLOWS	Hesperiidae	HESPERIIDAE HIRUNDINIDAE	SKIPPERS SWALLOWS	HESPERIIDAE—SKIPPERS		
B-VGSW	Tachycineta bicolor Tachycineta thalassina	tree swallow violet-green swallow	None/None None/None	Birds Birds		BIRDS BIRDS	Swallows Swallows	SWALLOWS	Hirundinidae Hirundinidae	HIRUNDINIDAE	SWALLOWS	HIRUNDINIDAE—SWALLOWS HIRUNDINIDAE—SWALLOWS		
M-BRBA R-WBHS	Tadarida brasiliensis Tantilla planiceps	Brazilian free-tailed bat western black-headed snake	None/None None/None	Mamma Reptiles		MAMMALS REPTILES	Snakes	BATS SNAKES	Molossidae Colubridae	MOLOSSIDAE COLUBRIDAE	FREE-TAILED BATS COLUBRID SNAKES	MOLOSSIDAE—FREE-TAILED BATS COLUBRIDAE—COLUBRID SNAKES		
A-CANE M-AMBA	Taricha torosa Taxidea taxus	California newt American badger	None/SSC None/SSC	Amphib Mamma		AMPHIBIANS MAMMALS	Salamanders Mustelids	SALAMANDERS MUSTELIDS	Salamandridae Mustelidae	SALAMANDRIDAE MUSTELIDAE	NEWTS WEASELS, SKUNKS, & OTTERS	SALAMANDRIDAE—NEWTS MUSTELIDAE—WEASELS, SKUNKS, & OTTERS	Coast Range newt in Oct 2016 SA list.	
B-ELTE B-ROYT	Thalasseus elegans Thalasseus maximus	elegant tern royal tern	BCC/WL None/None	Birds Birds		BIRDS BIRDS	Terns & Gulls Terns & Gulls	TERNS & GULLS TERNS & GULLS	Laridae Laridae	LARIDAE LARIDAE	GULLS, TERNS, & SKIMMERS GULLS, TERNS, & SKIMMERS	LARIDAE—GULLS, TERNS, & SKIMMERS LARIDAE—GULLS, TERNS, & SKIMMERS		
R-AQGA R-SIGA	Thamnophis atratus Thamnophis couchii	aquatic gartersnake	None/None None/None	Reptiles		REPTILES REPTILES	Snakes Snakes	SNAKES SNAKES	Colubridae Colubridae	COLUBRIDAE COLUBRIDAE	COLUBRID SNAKES COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES COLUBRIDAE—COLUBRID SNAKES		
R-GIGA	Thamnophis gigas	Sierra gartersnake giant gartersnake	FT/ST	Reptiles Reptiles	es	REPTILES	Snakes	SNAKES	Colubridae	COLUBRIDAE	COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES	giant gartersnake in Oct 2016 SA list and Cr	other (2017); previously giant garter snake
R-TSGS R-CHGA	Thamnophis hammondii Thamnophis marcianus	two-striped gartersnake checkered gartersnake	None/SSC None/None	Reptiles Reptiles	es	REPTILES REPTILES	Snakes Snakes	SNAKES SNAKES	Colubridae Colubridae	COLUBRIDAE COLUBRIDAE	COLUBRID SNAKES COLUBRID SNAKES	COLUBRIDAE—COLUBRID SNAKES COLUBRIDAE—COLUBRID SNAKES		
R-COGA I-WRCH	Thamnophis sirtalis Thessalia leanira wrighti	common gartersnake Wright's checkerspot	None/None None/None	Reptiles Inverteb	es ebrates	REPTILES INVERTEBRATES	Snakes Butterflies	SNAKES BUTTERFLIES	Colubridae Nymphalidae	COLUBRIDAE NYMPHALIDAE	COLUBRID SNAKES BRUSH-FOOTED BUTTERFLIES		Not in NABA (2015), but on the SDNHM list	
M-BOPG I-NOCL	Thomomys bottae Thorybes pylades	Botta's pocket gopher northern cloudywing	None/None None/None	Mamma		MAMMALS INVERTEBRATES	Pocket gophers Butterflies	POCKET GOPHERS BUTTERFLIES	Geomyidae Hesperiidae	GEOMYIDAE HESPERIIDAE	POCKET GOPHERS SKIPPERS	GEOMYIDAE—POCKET GOPHERS HESPERIIDAE—SKIPPERS		
B-BEWR B-BETH	Thryomanes bewickii Toxostoma bendirei	Bewick's wren Bendire's thrasher	None/None BCC/SSC	Birds Birds		BIRDS BIRDS	Wrens	WRENS MOCKINGBIRDS & THRASHE	Troglodytidae	TROGLODYTIDAE MIMIDAE	WRENS MOCKINGBIRDS & THRASHERS	TROGLODYTIDAE—WRENS	Added Oct 2016 because included in the ke	erata lookun table.
B-CRTH	Toxostoma crissale	Crissal thrasher	None/SSC	Birds		BIRDS	Mockingbirds & Thrashers	MOCKINGBIRDS & THRASHE	Mimidae	MIMIDAE	MOCKINGBIRDS & THRASHERS MOCKINGBIRDS & THRASHERS MOCKINGBIRDS & THRASHERS	MIMIDAE—MOCKINGBIRDS & THRASHERS	occ 2010 because iliciausu III (Ne Ki	
B-LCTH B-CATH	Toxostoma lecontei Toxostoma redivivum	LeConte's thrasher California thrasher	BCC/SSC BCC/None	Birds Birds		BIRDS BIRDS	Mockingbirds & Thrashers	MOCKINGBIRDS & THRASHE MOCKINGBIRDS & THRASHE	Mimidae	MIMIDAE MIMIDAE	MOCKINGBIRDS & THRASHERS	MIMIDAE—MOCKINGBIRDS & THRASHERS MIMIDAE—MOCKINGBIRDS & THRASHERS		
R-POSL I-BLSA	Trachemys scripta Tramea lacerata	pond slider black saddlebags	None/None None/None	* Reptiles Inverteb		REPTILES INVERTEBRATE	Turtles Dragonflies & Damselflies	TURTLES DRAGONFLIES AND DAMSEI		EMYDIDAE LIBELLULIDAE		EMYDIDAE—BOX & WATER TURTLES LIBELLULIDAE—SKIMMERS, EMERALDS, AND BASKETTAIL	5, AND CRUISERS	
R-WELY B-LEYE	Trimorphodon lyrophanes Tringa flavipes	California lyresnake lesser yellowlegs	None/None BCC/None	Reptiles Birds	25	REPTILES BIRDS	Snakes Shorebirds	SNAKES SHOREBIRDS	Colubridae Scolopacidae	COLUBRIDAE SCOLOPACIDAE	COLUBRID SNAKES SANDPIPERS, PHALAROPES, & ALLIES	COLUBRIDAE—COLUBRID SNAKES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
B-WATA B-GRYE	Tringa incana	wandering tattler greater yellowlegs	None/None None/None	Birds Birds		BIRDS BIRDS	Shorebirds Shorebirds	SHOREBIRDS SHOREBIRDS	Scolopacidae Scolopacidae	SCOLOPACIDAE SCOLOPACIDAE	SANDPIPERS, PHALAROPES, & ALLIES SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES		
B-WILL	Tringa melanoleuca Tringa semipalmata	willet	BCC/None	Birds		BIRDS	Shorebirds	SHOREBIRDS	Scolopacidae	SCOLOPACIDAE SCOLOPACIDAE TROGLODYTIDAE	SANDPIPERS, PHALAROPES, & ALLIES	SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES SCOLOPACIDAE—SANDPIPERS, PHALAROPES, & ALLIES TROGLODYTIDAE—WRENS		
B-HOWR B-PAWR	Troglodytes aedon Troglodytes pacificus	house wren Pacific wren	None/None None/None	Birds Birds		BIRDS BIRDS	Wrens Wrens	WRENS WRENS	Troglodytidae Troglodytidae	TROGLODYTIDAE	WRENS WRENS	TROGLODYTIDAE—WRENS	Added May 2020	
B-AMRO B-CSTG	Turdus migratorius Tympanuchus phasianellus columbianus	American robin Columbian sharp-tailed grouse	None/None None/SSC	Birds Birds		BIRDS BIRDS		THRUSHES QUAILS, PHEASANTS & RELA		TURDIDAE PHASIANIDAE		TURDIDAE—THRUSHES PHASIANIDAE—PARTRIDGES, GROUSE, TURKEYS, & OLD V		
B-STFL B-WEKI	Tyrannus forficatus Tyrannus verticalis	scissor-tailed flycatcher western kingbird	None/None None/None	Birds Birds		BIRDS BIRDS	Flycatchers Flycatchers	FLYCATCHERS FLYCATCHERS	Tyrannidae Tyrannidae	TYRANNIDAE TYRANNIDAE	TYRANT FLYCATCHERS TYRANT FLYCATCHERS	TYRANNIDAE—TYRANT FLYCATCHERS TYRANNIDAE—TYRANT FLYCATCHERS	Added Jan 2020	
B-CAKI B-BAOW	Tyrannus vociferans Tyto alba	Cassin's kingbird barn owl	None/None None/None	Birds Birds		BIRDS BIRDS	Flycatchers Owls	FLYCATCHERS OWLS	Tyrannidae Tytonidae	TYRANNIDAE TYTONIDAE	TYRANT FLYCATCHERS BARN OWLS	TYRANNIDAE—TYRANT FLYCATCHERS TYTONIDAE—BARN OWLS		
R-CFTL	Uma inornata	Coachella fringe-toed lizard	FT/SE	Reptiles	es	REPTILES	Lizards	LIZARDS	Phrynosomatidae	PHRYNOSOMATIDAE	IGUANID LIZARDS	PHRYNOSOMATIDAE—IGUANID LIZARDS	Coachella Valley fringe-toed lizard in Oct 20	016 SA list.
R-CDFL R-MFTL	Uma notata Uma scoparia	Colorado Desert fringe-toed lizaro Mohave fringe-toed lizard	None/SSC	Reptiles Reptiles	es	REPTILES REPTILES	Lizards Lizards	LIZARDS LIZARDS	Phrynosomatidae Phrynosomatidae	PHRYNOSOMATIDAE PHRYNOSOMATIDAE	IGUANID LIZARDS	PHRYNOSOMATIDAE—IGUANID LIZARDS PHRYNOSOMATIDAE—IGUANID LIZARDS	Genus = Anaxyrus (Crother 2008) Mojave fringe-toed lizard in Oct 2016 SA lis	t.
I-LTSK I-PLLO	Urbanus proteus Urbanus simplicius	long-tailed skipper plain longtail	None/None None/None	Inverteb Inverteb		INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES BUTTERFLIES	Hesperiidae Hesperiidae	HESPERIIDAE HESPERIIDAE	SKIPPERS SKIPPERS	HESPERIIDAE—SKIPPERS HESPERIIDAE—SKIPPERS		
B-PECO B-BRAC	Urile pelagicus Urile penicillatus	pelagic cormorant Brandt's cormorant	None/None BCC/None	Birds Birds		BIRDS BIRDS	Cormorants Cormorants	CORMORANTS CORMORANTS	Phalacrocoracidae Phalacrocoracidae	PHALACROCORACIDAE PHALACROCORACIDAE	CORMORANTS	PHALACROCORACIDAE—CORMORANTS PHALACROCORACIDAE—CORMORANTS	Previously Phalacrocorax pelagicus. Update Previously Phalacrocorax penicillatus. Upda	
M-NGFO	Urocyon cinereoargenteus	northern gray fox	None/None	Mamma	nals	MAMMALS	Canids	CANIDS	Canidae	CANIDAE	WOLVES & FOXES	CANIDAE—WOLVES & FOXES		oted 7.12.21 per AOS supplement. d per Mammal Biodiversity Database 7.16.21
R-LTBL R-BCBL	Urosaurus nigricaudus	long-tailed brush lizard Baja California brush lizard	None/None None/None	Reptiles Reptiles	25	REPTILES REPTILES	Lizards Lizards	LIZARDS LIZARDS	Phrynosomatidae Phrynosomatidae	PHRYNOSOMATIDAE PHRYNOSOMATIDAE	IGUANID LIZARDS IGUANID LIZARDS	PHRYNOSOMATIDAE—IGUANID LIZARDS PHRYNOSOMATIDAE—IGUANID LIZARDS	See note in Crother (2017)	
	Ursus americanus	American black bear common side-blotched lizard	None/None None/None	Mamma Reptiles		MAMMALS REPTILES	Bears Lizards	BEARS LIZARDS	Ursidae Phrynosomatidae	URSIDAE PHRYNOSOMATIDAE	BEARS IGUANID LIZARDS	URSIDAE—BEARS PHRYNOSOMATIDAE—IGUANID LIZARDS		
M-ABLB R-CSBL	Uta stansburiana							BUTTERFLIES						
M-ABLB	Uta stansburiana Vanessa annabella Vanessa atalanta	west coast lady red admiral	None/None None/None	Inverteb	ebrates ebrates	INVERTEBRATES INVERTEBRATES	Butterflies Butterflies	BUTTERFLIES	Nymphalidae Nymphalidae	NYMPHALIDAE NYMPHALIDAE	BRUSH-FOOTED BUTTERFLIES BRUSH-FOOTED BUTTERFLIES	NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES NYMPHALIDAE—BRUSH-FOOTED BUTTERFLIES		
M-ABLB R-CSBL I-WCLA	Vanessa annabella	west coast lady	None/None	Inverteb Inverteb	ebrates ebrates				Nymphalidae Nymphalidae Nymphalidae Nymphalidae				aka Virginia lady	

	Land to the control of the control o		I			L.	I	L	I	I	I	
B-AZBV	Vireo bellii arizonae	Arizona Bell's vireo	None/SE	Birds	BIRDS	Vireos	VIREOS	Vireonidae	VIREONIDAE	VIREOS	VIREONIDAE—VIREOS	
B-LBVI	Vireo bellii pusillus	least Bell's vireo	FE/SE	Birds	BIRDS	Vireos	VIREOS	Vireonidae	VIREONIDAE	VIREOS	VIREONIDAE—VIREOS	
B-CAVI	Vireo cassinii	Cassin's vireo	None/None	Birds	BIRDS	Vireos	VIREOS	Vireonidae	VIREONIDAE	VIREOS	VIREONIDAE—VIREOS	Added Oct 2016 because included in the kerat
B-WAVI	Vireo gilvus	warbling vireo	None/None	Birds	BIRDS	Vireos	VIREOS	Vireonidae	VIREONIDAE	VIREOS	VIREONIDAE—VIREOS	
B-HUVI	Vireo huttoni	Hutton's vireo	None/None	Birds	BIRDS	Vireos	VIREOS	Vireonidae	VIREONIDAE	VIREOS	VIREONIDAE—VIREOS	
B-PLVI	Vireo plumbeus	plumbeous vireo	None/None	Birds	BIRDS	Vireos	VIREOS	Vireonidae	VIREONIDAE	VIREOS	VIREONIDAE—VIREOS	
B-BHVI	Vireo solitarius	blue-headed vireo	None/None	Birds	BIRDS	Vireos	VIREOS	Vireonidae	VIREONIDAE	VIREOS	VIREONIDAE—VIREOS	
B-GRVI	Vireo vicinior	gray vireo	None/SSC	Birds	BIRDS	Vireos	VIREOS	Vireonidae	VIREONIDAE	VIREOS	VIREONIDAE—VIREOS	
M-DEKI	Vulpes macrotis arsipus	desert kit fox	None/None	Mammals	MAMMALS	Canids	CANIDS	Canidae	CANIDAE	WOLVES & FOXES	CANIDAE—WOLVES & FOXES	
M-SJKF	Vulpes macrotis mutica	San Joaquin kit fox	FE/ST	Mammals	MAMMALS	Canids	CANIDS	Canidae	CANIDAE	WOLVES & FOXES	CANIDAE—WOLVES & FOXES	
M-REFO	Vulpes vulpes	red fox	None/None *	Mammals	MAMMALS	Canids	CANIDS	Canidae	CANIDAE	WOLVES & FOXES	CANIDAE—WOLVES & FOXES	
B-YHBL	Xanthocephalus xanthocephalus	yellow-headed blackbird	None/SSC	Birds	BIRDS	Blackbirds, Orioles & Allie	s BLACKBIRDS, ORIOLES & A	LLIIcteridae	ICTERIDAE	BLACKBIRDS	ICTERIDAE—BLACKBIRDS	
R-GNLI	Xantusia henshawi	granite night lizard	None/None	Reptiles	REPTILES	Lizards	LIZARDS	Xantusiidae	XANTUSIIDAE	NIGHT LIZARDS	XANTUSIIDAE—NIGHT LIZARDS	
R-INLI	Xantusia riversiana	island night lizard	FPD/None	Reptiles	REPTILES	Lizards	LIZARDS	Xantusiidae	XANTUSIIDAE	NIGHT LIZARDS	XANTUSIIDAE—NIGHT LIZARDS	
R-DNLI	Xantusia vigilis	desert night lizard	None/None	Reptiles	REPTILES	Lizards	LIZARDS	Xantusiidae	XANTUSIIDAE	NIGHT LIZARDS	XANTUSIIDAE—NIGHT LIZARDS	
A-AFCF	Xenopus laevis	African clawed frog	None/None *	Amphibians	AMPHIBIANS	Frogs	FROGS	Ranidae	RANIDAE	TRUE FROGS	RANIDAE—TRUE FROGS	
M-MOGS	Xerospermophilus mohavensis	Mohave ground squirrel	None/ST	Mammals	MAMMALS	Squirrels	SQUIRRELS	Sciuridae	SCIURIDAE	SQUIRRELS	SCIURIDAE—SQUIRRELS	Previously Spermophilus mohavensis
M-RTGS	Xerospermophilus tereticaudus	round-tailed ground squirrel	None/None	Mammals	MAMMALS	Squirrels	SQUIRRELS	Sciuridae	SCIURIDAE	SQUIRRELS	SCIURIDAE—SQUIRRELS	Previously Spermophilus tereticaudus
B-MODO	Zenaida macroura	mourning dove	None/None	Birds	BIRDS	Pigeons & Doves	PIGEONS & DOVES	Columbidae	COLUMBIDAE	PIGEONS & DOVES	COLUMBIDAE—PIGEONS & DOVES	
B-GCSP	Zonotrichia atricapilla	golden-crowned sparrow	None/None	Birds	BIRDS	New World Sparrows	NEW WORLD SPARROWS	Passerellidae	PASSERELLIDAE	NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS	
B-WCSP	Zonotrichia leucophrys	white-crowned sparrow	None/None	Birds	BIRDS	New World Sparrows	NEW WORLD SPARROWS	Passerellidae	PASSERELLIDAE	NEW WORLD SPARROWS	PASSERELLIDAE—NEW WORLD SPARROWS	

Attachment C

Special-Status Plant Species Potential to Occur in the Project Site Region

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
Allium jepsonii	Jepson's onion	None/None/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest; Serpentinite, Volcanic/perennial bulbiferous herb/Apr–Aug/985–4,330	Not expected to occur. Chaparral and cismontane woodland habitat are present on the project site. The project site lacks serpentinite soils. There are two documented occurrences within 10 miles northwest of the project site (CNDDB 2022).
Arctostaphylos nissenana	Nissenan manzanita	None/None/1B.2	Chaparral, Closed-cone coniferous forest; Rocky/perennial evergreen shrub/Feb-Mar/1,475-3,605	Moderate potential to occur. Chaparral habitat is present on the project site. There are three documented occurrences within 5 miles southeast of the project site (CNDDB 2022).
Calochortus clavatus var. avius	Pleasant Valley mariposa-lily	None/None/1B.2	Lower montane coniferous forest/perennial bulbiferous herb/May–July/1,000–5,905	Not expected to occur. No suitable vegetation present.
Calystegia stebbinsii	Stebbins' morning-glory	FE/SE/1B.1	Chaparral, Cismontane woodland; Gabbroic (sometimes), Seeps (sometimes)/perennial rhizomatous herb/Apr–July/605–3,575	Low potential to occur. Chaparral and cismontane woodland habitat are present on the project site; however gabbroic soils are not present. There are multiple documented occurrences within 10 miles west of the project site (CNDDB 2022).
Calystegia vanzuukiae	Van Zuuk's morning-glory	None/None/1B.3	Chaparral, Cismontane woodland; Gabbroic, Serpentinite/perennial rhizomatous herb/May– Aug/1,640–3,870	Not expected to occur. The project site lacks gabbroic and serpentinite soils. There are no documented occurrences within 10 miles of the project site (CNDDB 2022).
Campylopodiella stenocarpa	flagella-like atractylocarpus	None/None/2B.2	Cismontane woodland/moss//330–1,640	Not expected to occur. There are no documented occurrences within 10 miles of the project site (CNDDB 2022).
Carex cyrtostachya	Sierra arching sedge	None/None/1B.2	Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Riparian	Not expected to occur. The site is outside of the species' known elevation range.

			forest/perennial herb/May– Aug/2,000–4,460	
Carex xerophila	chaparral sedge	None/None/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest; Gabbroic, Serpentinite/perennial herb/Mar–June/1,440–2,525	Not expected to occur. The project site lacks gabbroic and serpentinite soils.
Ceanothus roderickii	Pine Hill ceanothus	FE/SR/1B.1	Chaparral, Cismontane woodland; Gabbroic (sometimes), Serpentinite (sometimes)/perennial evergreen shrub/Apr– June/805–3,575	Low potential to occur. Chaparral and cismontane woodland habitat are present on the project site; however, no gabbroic or serpentine soils present. There are multiple documented occurrences within 10 miles west of the project site and no occurrences within 5 miles (CNDDB 2022).
Chlorogalum grandiflorum	Red Hills soaproot	None/None/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest; Gabbroic, Serpentinite/perennial bulbiferous herb/May– June/805–5,540	Moderate potential to occur. Chaparral and cismontane woodland habitat are present on the project site. The project site lacks gabbroic and serpentinite soils; however, this species can be found on non-ultramafic substrates. There is 1 documented occurrence 2 miles west of the project and multiple documented occurrences within 10 miles north, west, and south of the project (CNDDB 2022).
Fremontodendron decumbens	Pine Hill flannelbush	FE/SR/1B.2	Chaparral, Cismontane woodland; Gabbroic (sometimes), Rocky, Serpentinite (sometimes)/perennial evergreen shrub/Apr– July/1,390–2,490	Low potential to occur. Chaparral and cismontane woodland habitat are present on the project site; however, no gabbroic or serpentine soils present. There are multiple documented occurrences within 10 miles west of the project (CNDDB 2022).
Galium californicum ssp. sierrae	El Dorado bedstraw	FE/SR/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest; Gabbroic/perennial herb/May– June/330–1,915	Not expected to occur. The project site lacks gabbroic soils.

Horkelia parryi	Parry's horkelia	None/None/1B.2	Chaparral, Cismontane woodland/perennial herb/Apr– Sep/260–3,510	Moderate potential to occur. Chaparral and cismontane woodland habitat are present on the project site. The nearest documented occurrence is a historical record from 1923 within 5 miles north of the project site (CNDDB 2022).
Packera layneae	Layne's ragwort	FT/SR/1B.2	Chaparral, Cismontane woodland/perennial herb/Apr– Aug/655–3,555	Not expected to occur. The project site lacks gabbroic or serpentine soils.
Phacelia stebbinsii	Stebbins' phacelia	None/None/1B.2	Cismontane woodland, Lower montane coniferous forest, Meadows and seeps/annual herb/May–July/2,000–6,590	Not expected to occur. The site is outside of the species' known elevation range.
Viburnum ellipticum	oval-leaved viburnum	None/None/2B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest/perennial deciduous shrub/May– June/705–4,590	Low potential to occur. Chaparral and cismontane woodland habitat are present on the project site. The nearest documented occurrence is a historical record from 1923 within 5 miles north of the project site (CNDDB 2022).
Wyethia reticulata	El Dorado County mule ears	None/None/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest/perennial herb/Apr–Aug/605–2,065	Not expected to occur. The project site lacks stony red clay gabbroic soils.

Attachment D

Special-Status Wildlife Species Potential to Occur in the Project Site Region

Scientific Name	Common Name	Status (Federal/ State)	Habitat	Potential to Occur
Amphibians				
Rana boylii pop. 5	Foothill yellow- legged frog – south Sierra DPS	FPT/ST	Rocky streams and rivers with open banks in forest, chaparral, and woodland	High potential to occur. Suitable habitat features for this species, including a freshwater stream and oak woodland, are present on the Project site. There are multiple CNDDB occurrences within 10 miles of the site. Most records are considered locally extirpated however two records in 1994 and 2017 (7-8 miles from the site) are presumed extant (CNDDB 2022).
Rana draytonii	California red- legged frog	FT/SSC	Lowland streams, wetlands, riparian woodlands, livestock ponds; dense, shrubby or emergent vegetation associated with deep, still or slowmoving water; uses adjacent uplands	Not expected to occur. Suitable habitat features with flowing freshwater are not present on the Project site. The nearest CNDDB occurrence is 7 miles from the site, recorded in 1942 and presumed extant (CNDDB 2022).
Birds				
Accipiter gentilis (nesting)	northern goshawk	None/SSC	Nests primarily in middle- and higher- elevation dense conifer forests; winters at lower elevations along coast, foothills, and northern deserts in riparian and pinyon-juniper woodland	Not expected to occur. The site is not within the expected geographic range of this species. Suitable dense conifer nesting habitat for this species is not present on the Project site. The nearest CNDDB occurrence is 10 miles from the site, recorded in 1980 and presumed extant (CNDDB 2022).
Agelaius tricolor (nesting colony)	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberrry; forages in grasslands, woodland, and agriculture	Low potential to occur. Suitable habitat features for this species, including a freshwater stream and emergent vegetation, are present on the Project site but provide marginal nesting habitat. The nearest CNDDB occurrence is 7 miles from the site, recorded in 2011 and presumed extant (CNDDB 2022).
Riparia riparia (nesting)	bank swallow	None/ST	Nests in riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with sandy soils; open country and water during migration	Not expected to occur. The site is not within the expected geographic range of this species. Suitable vertical nesting habitat for this species is not present on the Project site. The nearest CNDDB occurrence is a

				historical record within the site, recorded in 1873 and presumed extant (CNDDB 2022).
Strix nebulosa (nesting)	great gray owl	None/SE	Nests in old-growth red fir, mixed—conifer, lodgepole pine habitats near wet meadows used for foraging	Not expected to occur. The site is not within the expected geographic range of this species. No suitable high canopy forest nesting habitat present on the Project site. The nearest CNDDB occurrence is 7 miles from the site, recorded in 2008 and presumed extant (CNDDB 2022).
Mammals				
Antrozous pallidus	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	Low potential to occur. Suitable grassland and woodland habitat for this species is present on the Project site. The nearest CNDDB occurrence is 14 miles from the site, recorded in 2004 and presumed extant (CNDDB 2022).
Pekania pennanti	fisher	None/SSC	Ranges widely in forested regions; uses heavy stands of mixed species of mature trees	Not expected to occur. The site is not within the expected geographic range of this species. No suitable old growth habitat is present on the Project site. The nearest CNDDB occurrence is a large, unspecified polygon that includes project site, recorded in 1916 and presumed extant (CNDDB 2022).
Reptiles				
Emys marmorata	western pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Moderate potential to occur. Suitable habitat features for this species, including a flowing freshwater stream and adjacent uplands, are present on the Project site. There are multiple CNDDB occurrences within 10 miles of the site; all are presumed extant, recorded from 1993 to 2016 (CNDDB 2022).
Phrynosoma blainvillii	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley–foothill hardwood, conifer, riparian, pine–cypress, juniper, and annual grassland habitats	Not expected to occur. Suitable habitat types for this species are not present on the Project site. There are multiple CNDDB occurrences within 10 miles of the site; all are presumed extant, recorded from 1995 to 2007 (CNDDB 2022).