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Vegetation Community Descriptions and Special- Status Species Accounts

Technical Memorandum

Date: Thursday, September 30, 2021

Project: Paradise Sewer Project

To: Town of Paradise

From: Dan Williams, Biologist, HDR

Subject: Vegetation Community Descriptions and Special-Status Species Accounts

Introduction

This memorandum describes the vegetation communities and special-status species identified during desktop review database queries and initial field surveys performed by HDR in support of the Paradise Sewer Project (proposed project) during spring 2021. The study area for these field studies is defined as the proposed project area/footprint and a 0.5-mile buffer. A biological resources and habitat assessment of the study area was conducted by HDR biologists Kelly Bartron and Dan Williams on February 23-25, 2021. During these assessments, vegetation communities in and within 500 feet of the proposed project area/footprint were characterized and mapped by hand, habitats were assessed for suitability to special-status species that had been identified through the database queries as having the potential to occur in the study area, and all plant and wildlife species were identified and recorded. **Attachment 1** is a mapbook that shows the study area and the vegetation communities mapped within it.

Project Background

The Town of Paradise in Butte County, California, is proposing to construct and operate a sewer collection system in Paradise and to build an 18-mile export pipeline to convey wastewater from Paradise to the City of Chico Water Pollution Control Plant (WPCP). The Paradise Sewer Project would replace private, individual septic systems that are managed by property owners.

The proposed project area/footprint includes the following components:

- **Collection System** – a wastewater collection system consisting of service connections to individual parcels with a designated sewer service area. The collection system would include construction of buried gravity and pressure lines, manholes, and pump stations, and would be located in Paradise.
- **Export Pipeline** – an 18-mile export pipeline to convey wastewater from Paradise to the Chico WPCP. The export pipeline would include construction of pipelines, three horizontal directional drilling (HDD) borings under waterways, two microtunnel borings (one under Highway 99 and one under a railroad crossing), a transition chamber (near the eastern city limits of Chico where the sewer line would change from gravity downslope to a force main to cross the flat topography of the valley), and a flow control and metering structure located at or near the Chico WPCP.
- **Connection to Chico WPCP** – connection of the export pipeline to the Chico WPCP via the flow control and metering structure.

Project Location and Environmental Setting

Paradise is in central Butte County, in the western foothills of the Sierra Nevada Mountains, and is situated approximately 12 miles east of Chico, which sits on the Sacramento Valley floor. Elevations in the study area range from approximately 2,320 feet above sea level at the highest point of the sewer service area to approximately 135 feet above sea level at the Chico WPCP.

The sewer service area is completely within the Paradise town limits, and is composed mostly of montane hardwood-conifer, ponderosa pine, and mixed chaparral habitats. The export pipeline would run from the southwest corner of Paradise, downslope under Skyway through blue oak-foothill pine and valley oak savanna habitats, to just east of the Chico city limits. At this point, the pipeline would leave the roadway for a little over 1 mile, crossing annual grassland habitat with vernal pools, then crossing under Butte Creek and its associated valley foothill riparian habitat via trenchless HDD boring. After crossing under Highway 99 using microtunnel technology, the pipeline would cross one more 0.2 mile stretch of annual grassland habitat between Southgate Avenue and McFadden Lane before rejoining roadway for the remainder of the route, to be installed under county roads through mostly agricultural land, the majority of which is almond or walnut orchard. West of Highway 99, the pipeline would cross under two more creeks (Comanche Creek and Little Chico Creek) via trenchless HDD boring before reaching its connection to the Chico WPCP.

Methodology

Prior to performing the initial field studies, the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB) QuickView Tool in BIOS 5 (CDFW 2021a) and the US Fish and Wildlife Service (USFWS) Information Planning and Conservation (IPaC) System (USFWS 2021) were queried to determine which special-status wildlife species and sensitive communities have the potential to occur in the study area. A query of the CNDDDB provided a list of processed and unprocessed occurrences for special-status species in the California US Geological Survey (USGS) 7.5-minute quadrangles (quads) that the proposed project intersects (i.e., Paradise East, Paradise West, Cherokee, Hamlin Canyon, Chico, and Ord Ferry) and all the quads surrounding these six quads. A shapefile of the proposed project area/footprint was entered into the USFWS IPaC System, and the system was queried to produce an official list of federally protected species that have the potential to occur in the study area as well as designated critical habitat. Results of these database queries are included as **Attachment 2**.

Vegetation communities in the study area were characterized by reviewing CDFW's *California Wildlife Habitat Relationships System* (CDFW 2021b) vegetation community maps and ground-truthing during surveys to refine vegetation mapping. Non-sensitive vegetation communities in the study area include annual grassland, blue oak woodland, blue oak-foothill pine woodland, cropland, deciduous orchard-vineyard, developed, disturbed/ruderal, irrigated row and field crops, mixed chaparral, montane hardwood-conifer, non-native woodland, pasture, ponderosa pine, and valley oak woodland.

Vegetation Community Descriptions

Each vegetation community and the common plant and wildlife species associated with them are described in the following sections.

Non-Sensitive Vegetation Communities

Non-sensitive vegetation communities in the study area include annual grassland, blue oak woodland, blue oak-foothill pine woodland, cropland, deciduous orchard-vineyard, developed, disturbed/ruderal, irrigated row and field crops, mixed chaparral, montane hardwood-conifer, non-native woodland, pasture, ponderosa pine, and valley oak woodland.

ANNUAL GRASSLAND

Much of the study area, especially the area adjacent to Skyway between Chico and Paradise, is characterized as annual grassland. The dominant species are non-native annual grasses, including Italian rye grass (*Festuca perennis*), oats (*Avena barbata* and *A. fatua*), a variety of bromes (*Bromus* ssp.), quaking grasses (*Briza maxima* and *B. minor*) and medusahead (*Elymus caput-medusae*). Associates include weedy forbs such as long-beaked filaree (*Erodium botrys*), field hedge parsley (*Torilis arvensis*), windmill pink (*Petrorhagia dubia*), and rose clover (*Trifolium hirtum*), with a sparse scattering of native species such as harvest brodiaea (*Brodiaea elegans* ssp. *elegans*). Much of the grassland in the study area appears to be grazed by cattle.

Annual grasslands provide foraging habitat for a wide variety of wildlife species including raptors, insectivorous and seed-eating birds, small mammals, amphibians, and reptiles. However, some wildlife species require special habitat features to be present for grasslands to be suitable to them such as cliffs, caves, ponds, or woody vegetation for breeding, resting, and escape cover. Reptiles commonly associated with this habitat type include western fence lizard (*Sceloporus occidentalis*), gopher snake (*Pituophis catenifer*), and valley garter snake (*Thamnophis sirtalis fitchi*). Birds commonly associated with this habitat include red-tailed hawk (*Buteo jamaicensis*), savannah sparrow (*Passerculus sandwichensis*), and western meadowlark (*Sturnella neglecta*). Mammals commonly found in this habitat type include black-tailed jackrabbit (*Lepus californicus*), California ground squirrel (*Otospermophilus beecheyi*), western harvest mouse (*Reithrodontomys megalotis*), Botta's pocket gopher (*Thomomys bottae*), California vole (*Microtus californicus*), and coyote (*Canis latrans*).

BLUE OAK WOODLAND

Much of the habitat in the middle elevations of the study area, along Skyway between Chico and Paradise, is characterized by blue oak (*Quercus douglasii*) woodland with an annual grassland understory composed of species similar to the annual grassland communities in the study area.

Blue oak woodlands produce acorns used as forage by a variety of wildlife species, including acorn woodpecker (*Melanerpes formicivorus*), California scrub-jay (*Aphelocoma californica*), and mule deer (*Odocoileus hemionus*). Trees containing cavities provide nesting habitat for birds such as western bluebird (*Sialia mexicana*), tree swallow (*Tachycineta bicolor*), and northern flicker (*Colaptes auratus*) as well as potential roost sites for bats which prefer to roost in trees such as hoary bat (*Lasiurus cinereus*). Raptors, including white-tailed kite (*Elanus leucurus*), American kestrel (*Falco sparverius*), and great horned owl (*Bubo virginianus*) may nest in these woodlands. Coyotes and gray foxes (*Urocyon cinereoargenteus*) may forage in this habitat, and reptiles commonly associated with this habitat type include southern alligator lizard (*Elgaria multicarinata*), California kingsnake (*Lampropeltis californiae*), and western rattlesnake (*Crotalus oreganus*).

BLUE OAK-FOOTHILL PINE

Blue oak-foothill pine occurs mainly along Skyway between Chico and Paradise in the middle elevation portions of the study area. The blue oak-foothill pine habitat that occurs in the study area is

mainly characterized by blue oak woodland with an annual grassland understory composed of species similar to annual grassland communities in the study area, but with California buckeye (*Aesculus californica*) and California foothill pine (*Pinus sabiniana*) contributing to the sparse tree canopy.

Species associates are similar to those listed in the blue oak woodland habitat type. Wildlife species dominant in annual grassland habitat are present beneath the oak-pine canopy.

CROPLAND

Only a small portion of the westernmost part of the study area is characterized as cropland, as the majority of the farmlands in the study area are characterized as deciduous orchard. Croplands typically do not conform to normal habitat stages and are regulated by rotational crop cycles. Cropland habitats can either be annual or perennial, vary according to location in the state, and germinate at various times of the year. Additionally, they can occur in association with orchard-vineyard, irrigated pasture, residential-park, and wildlife habitats such as riparian, chaparral, wetlands, desert, and herbaceous types.

Many wildlife species have adapted to cropland habitat including Swainson's hawk, white-tailed kite, coyote, and gray fox. Introduced non-native species such as ring-necked pheasant (*Phasianus colchicus*) and European starling (*Sturna vulgaris*) forage extensively in cropland habitat. Ducks, geese, sandhill cranes (*Antigone canadensis*), and other species that use waste grains after harvest are also known to occur in cropland.

DECIDUOUS ORCHARD-VINEYARD

Deciduous orchard-vineyard is prevalent throughout the western portion of the study area from Highway 99 west to the Chico WPCP. The overwhelming majority of this habitat type in the study area is deciduous orchard, with only one small vineyard present along Hegan Lane. Deciduous orchards tend to be single species, tree dominated habitats that include almonds, apricots, nectarines, peaches, pecans, plums, walnuts, and figs. The orchards in the study area are primarily planted with almond and walnut trees. Trees are planted linearly and uniformly with an understory of low-growing grasses, legumes, and other herbaceous species; however, the understory composition is dependent on management methods. Common understory associates may include perennial grasses such as Bermuda grass (*Cynodon dactylon*) or johnsongrass (*Sorghum halepense*); or annual grasses such as soft chess brome (*Bromus hordeaceus*), annual ryegrass (*Lolium multiflorum*), red brome (*Bromus madritensis*), wild oat, and others; or forbs such as English plantain (*Plantago lanceolata*), charlock mustard (*Sinapis arvensis*), fiddleneck (*Amsinckia* spp.), and red-stemmed filaree (*Erodium cicutarium*). Orchard habitats may be associated with other agricultural types such as row and field crops or pasture, and some are near urban habitat types. They are frequently associated with valley-foothill riparian, mixed chaparral, and annual grasslands.

Wildlife associates include mule deer, black-tailed jackrabbit, western gray squirrel (*Sciurus griseus*) and bird species which feed on fruit or nuts such as yellow-billed magpie (*Pica nuttalli*) and American crow (*Corvus brachyrhynchos*). Other bird species more passively use orchards for cover and nesting such as mourning dove (*Zenaid macroura*) and wild turkey (*Meleagris gallopavo*).

DEVELOPED

Developed portions of the study area include the existing industrial and residential properties, existing roads, recreational areas, and various other areas with a history of disturbance supporting

ornamental or introduced vegetation, mainly in the Town of Paradise and the City of Chico proper. There are a few city parks that occur within the study area that include a mix of native, ornamental, and introduced tree species and mowed lawn. Because of the high degree of disturbance, these areas generally have a low habitat value for wildlife, although a number of species adapted for urban conditions can utilize these areas, such as western fence lizard, mourning dove, American robin (*Turdus migratorius*), house finch (*Haemorhous mexicanus*), and eastern fox squirrel (*Sciurus niger*).

DISTURBED/RUDERAL

Disturbed/ruderal portions of the study area include the road shoulders, dirt lots, lined irrigation ditches, and various other areas with a history of disturbance supporting ruderal vegetation. These areas are a mix of semi-barren ground with sparse vegetation consisting primarily of non-native annual grasses and invasive weeds. Because of the high degree of disturbance, these areas generally have a low habitat value for wildlife, although several species adapted for disturbed conditions can utilize these areas, such as western fence lizard, killdeer (*Charadrius vociferus*), California ground squirrel, and Botta's pocket gopher.

IRRIGATED ROW AND FIELD CROPS

A small patch of irrigated row and field crop occurs at the western end of the study area. Row and field crops do not conform to normal habitat stages. Irrigated row and field crops can include broccoli, cantaloupe and other melons, lettuce, onion, squash, asparagus, and strawberries. Crops are typically cyclical and follow a rotation schedule with off season plantings such as alfalfa used as a nitrogen fixer. Irrigated row and field crops tend to be associated with other planted and farmed landscapes such as orchards, vineyards, and pastures.

As most wildlife species are not welcome by growers, irrigated row and field crops typically have low wildlife habitat suitability, although some species have adapted to this vegetation community. Associated species are similar to those that may occur in cropland habitats. Waterfowl may utilize flooded or irrigated areas.

MIXED CHAPARRAL

Mixed chaparral occurs in the east central portion of the study area along and north of Skyway just west of Paradise. It is comprised of stiff, brushy vegetation and is often found on the periphery of, or forming the understory of, blue oak-foothill pine communities. Dominant species include ceanothus (*Ceanothus* spp.), scrub oak (*Quercus berberidifolia*), and various manzanitas (*Arctostaphylos* spp.). Common associates include chamise (*Adenostoma fasciculatum*), toyon (*Heteromeles arbutifolia*), yerba santa (*Eriodictyon californicum*), and birch leaf mountain-mahogany (*Cercocarpus betuloides*).

Wildlife associates include reptiles such as coast horned lizard (*Phrynosoma blainvillii*), California tiger whiptail (*Aspidoscelis tigris munda*), and California striped racer (*Coluber lateralis lateralis*), birds such as wrentit (*Chamaea fasciata*), California thrasher (*Toxostoma redivivum*), and blue-gray gnatcatcher (*Polioptila caerulea*), and mammals such as Audubon's cottontail (*Sylvilagus audubonii*) and mountain lion (*Puma concolor*).

MONTANE HARDWOOD-CONIFER

Montane hardwood-conifer can be found in the eastern portion of the study area, from along Skyway east of Tuscan Ridge and throughout the Town of Paradise. Associates can include ponderosa pine (*Pinus ponderosa*), Douglas-fir (*Pseudotsuga menziesii*), tanoak (*Notholithocarpus densiflorus*), Pacific madrone (*Arbutus menziesii*), California incense-cedar (*Calocedrus decurrens*), bay laurel (*Umbellularia californica*), California black oak (*Quercus kelloggii*), and interior live oak (*Q. wislizeni*).

Understory vegetation is mostly scattered woody shrubs including manzanita, mountain-mahogany, poison oak (*Toxicodendron diversilobum*), and a few forbs. Wildlife associates may include propagators of acorns such as Steller's jay (*Cyanocitta stelleri*), acorn woodpecker, and western gray squirrel, plus those that forage for acorns including wild turkey, mountain quail (*Oreortyx pictus*), band-tailed pigeon (*Patagioenas fasciata*), California ground squirrel, dusky-footed woodrat (*Neotoma fuscipes*), mule deer, and black bear (*Ursus americanus*).

NON-NATIVE WOODLAND

Non-native woodland describes a specific part of the study area north of the pipeline alignment between Skyway and Highway 99 which is designated as part of the Mendocino National Forest; a 209-acre parcel known as the Chico Seed Orchard where research, seed banking, and gene conservation is carried out for a wide variety of coniferous and deciduous tree species, many of which are not indigenous to the local area. Species associates include those listed in the deciduous orchard-vineyard habitat type.

PASTURE

Pasture lands tend to be composed of a mix of perennial grasses or legumes with 100 percent canopy cover. Non-native invasive plant species are common in pasture lands. Irrigated pasture lands are typically a permanent habitat associated with agriculture and established on soils unsuitable for other purposes. Pasture lands are also typically associated with a decent water supply. Pasture in the study area is restricted to one small area associated with the Chico State University farm along Hegan Lane.

Wildlife associates include ground-nesting birds such as waterfowl, ring-necked pheasant, northern harrier (*Circus hudsonius*), and sandhill crane. Irrigated pastures provide feeding and roosting sites for many wetland associates including shorebirds, wading birds, gulls, waterfowl, and raptors. Mule deer are also known to utilize pastures for grazing.

PONDEROSA PINE

Ponderosa pine can be found in small, scattered patches in the northern portion of the study area as elevations increase. The ponderosa pine vegetation community includes pure stands of ponderosa pine as well as stands of mixed species in which at least 50 percent of the canopy consists of ponderosa pine. These stands can vary from open and patchy to contiguous and dense. Typical tree associates include white fir (*Abies concolor*), incense-cedar, Jeffrey pine (*Pinus jeffreyi*), sugar pine (*Pinus lambertiana*), Douglas-fir, canyon live oak (*Quercus chrysolepis*), California black oak, Pacific madrone, and tanoak.

Shrub associates may include manzanita, ceanothus, mountain-misery (*Chamaebatia foliolosa*), Pacific dogwood (*Cornus nuttallii*), California buckthorn, and poison-oak. Grass and forb associates may include Orcutt brome (*Bromus orcuttianus*), carex (*Carex* spp.), bluegrass (*Poa* spp.), bottlebrush squirreltail (*Elymus elymoides*), lupine (*Lupinus* spp.), purple nightshade (*Solanum xanti*), and streptanthus (*Streptanthus* spp.).

Ponderosa pine may act as transitional or migratory habitat for deer and other wildlife species. Birds like hairy woodpecker (*Dryobates villosus*) and pygmy nuthatch (*Sitta pygmaea*) require conifers for food and shelter. Mammals such as North American porcupine (*Erethizon dorsatum*) and black bear are common in this community. Numerous bat species may also utilize crevices behind the bark of ponderosa pine trees for daily roosting sites.

VALLEY OAK WOODLAND

Small patches of valley oak woodland occur along Skyway between Paradise and Chico, as well as along the various county roads within the City of Chico. This vegetation community is dominated almost exclusively by valley oaks (*Quercus lobata*). Common associates include California sycamore (*Platanus racemosa*), northern California black walnut (*Juglans hindsii*), interior live oak, and blue oak. Understory associates may include poison oak, California wild grape (*Vitis californica*), toyon, and California blackberry (*Rubus ursinus*). Various oats (*Avena* spp.), brome, and barley (*Hordeum vulgare*) are expected as part of the ground cover. Other common associates may include those similarly found in annual grasslands. In areas where valley oak woodland extends to the foothills, it transitions to blue oak woodlands or blue oak-foothill pine habitats, or valley-foothill riparian if occurring near stream courses. Common wildlife associates include western fence lizard, California scrub-jay, oak titmouse (*Baeolophus inornatus*), white-breasted nuthatch (*Sitta carolinensis*), phainopepla (*Phainopepla nitens*), and western gray squirrel.

Sensitive Communities

Sensitive communities included are those that are of special concern to resource agencies or those that are protected under the California Environmental Quality Act (CEQA), Fish and Game Code (FGC), Sections 1600–1603, and/or Clean Water Act (CWA) Section 401 and Section 404. These include sensitive vegetation communities as well as sensitive aquatic resources. Of the vegetation communities identified in the study area, one is considered a sensitive habitat type: valley-foothill riparian. The valley-foothill riparian sensitive community and common plant and wildlife species associated with it, as well as sensitive aquatic resources identified in the study area, are described in the following sections.

VALLEY-FOOTHILL RIPARIAN

Riparian habitats are protected under FGC Section 1602. Valley-foothill riparian is documented along Butte Creek parallel to and west of Skyway, as well as along Comanche Creek and Little Chico Creek (**Attachment 1**, pages 19–21, and pages 26–28). Common canopy associates may include cottonwood (*Populus* spp.), California sycamore, and valley oak. Subcanopy associates may include alder (*Alnus* spp.), boxelder (*Acer negundo*), wild grape, wild rose (*Rosa acicularis*), elderberry, poison oak, and willows (*Salix* spp.). The herbaceous layer may consist of similar species to that of annual grassland with the addition of aquatic associates such as miner's lettuce (*Claytonia perfoliate*), poison-hemlock (*Conium maculatum*), and hoary nettle (*Urtica dioica*).

Valley-foothill riparian habitats may provide water, food, dispersal corridors, nesting habitat, and thermal refuge for an abundance of wildlife. Common wildlife associates include those found in valley oak woodlands and annual grasslands with the addition of some aquatic / marginal aquatic dependent amphibians, reptiles, and birds such as Pacific chorus frog (*Pseudacris sierra*), western pond turtle (*Actinemys marmorata*), and osprey (*Pandion haliaeetus*).

AQUATIC RESOURCES

Aquatic resources are considered a sensitive habitat type or land cover type because they provide important ecosystem functions to flora, fauna, and their habitat. Some functions include movement corridors, migratory and/or dispersal corridors, foraging habitat, and cover. Further, aquatic resources are capable of protecting surrounding land cover types from large precipitation events that may cause flooding and resulting adverse effects on biological resources. Five types of aquatic resources were identified in the study area: perennial channel, intermittent channel, ephemeral channel, wetland, and ditch.

Perennial Channel

Perennial channels typically flow continuously throughout an average rainfall year, often with the streambed located below the water table for most of the year. Five perennial channels were observed in the proposed project area/footprint and generally flow from north-northeast to south-southwest. These channels include Honey Run and an unnamed channel in the northeastern portion of the proposed project area/footprint, Butte Creek, Butte Creek Diversion Channel, and Comanche Creek at the western end of the proposed project area/footprint (**Attachment 1**, pages 4–11, 20, and 26).

Vegetation cover in Honey Run and the unnamed channel is approximately 5 to 20 percent herbaceous cover with 5 to 15 percent tree, shrub, and sapling cover. Vegetation cover in Butte Creek and Comanche Creek is approximately 15 to 50 percent herbaceous cover with approximately 10 to 50 percent trees, shrubs, and saplings cover. Honey Run and the unnamed channel are sinuous, medium gradient channels with sediment texture in the low-flow channel consisting of medium-coarse silt to small cobbles. Coarse silt to large cobbles and boulders are present in the low-flow channel of Butte Creek and Comanche Creek with sinuous, medium to high gradient stream profiles. Honey Run and the unnamed channel exhibited flow at or near the ordinary high water mark. The water level in Comanche Creek was above the ordinary high water mark. Butte Creek Diversion Channel could not be accessed to assess vegetation cover, stream profile characteristics, sediment texture, or water levels. Butte Creek, Butte Creek Diversion Channel, and Comanche Creek flow under several bridge crossings. Several culverts are present where the channels flow under roads or other structures. Vegetation observed in and near Honey Run was likely burned during the 2018 Camp Fire, and a swimming pool or some other form of impoundment is near the southwestern portion of Honey Run prior to flowing west, exiting the proposed project area/footprint.

Intermittent Channel

Intermittent channels typically flow for only a portion of the year, often during the wet season. The wet season is typically in the winter and spring during periods of sustained precipitation events when the streambed may be below the water table or when snow melt provides sustained water flow. Other intermittent sources of water may be human-made in which flow regimes are controlled by irrigation systems or other forms of human-made water conveyance flowing into and/or out of channels.

Four intermittent channels were observed in the proposed project area/footprint and generally flowing from north-northeast to south-southwest (**Attachment 1**, pages 5, 7, 10, 11, 27, and 28). Three unnamed, intermittent channels are in the northeastern portion of the proposed project area/footprint. Vegetation cover in these channels ranges from approximately 5 to 85 percent herbaceous cover and 0 to 85 percent tree, shrub, and sapling cover. Sediment texture in the low-flow portions of the channels ranges from fine silt to large cobbles. Stream profiles have a low to medium gradient and are sinuous. Water levels were at or near the ordinary high water mark at lower elevations or downstream reaches of the channel while higher elevations or upstream reaches were dry. Little Chico Creek is in the western portion of the proposed project area/footprint and flows under two bridge crossings. The eastern bridge crossing includes the Crouch Avenue Alternative while the western crossing includes the Preferred Alternative. Vegetation cover consists of approximately 10 to 15 percent tree, shrub, and sapling cover and 5 percent herbaceous cover. Little Chico Creek is dry and sinuous, has a low to medium gradient stream profile, and has medium silt to small cobbles in the low-flow portion of the channel.

Ephemeral Channel

Ephemeral channels typically flow only in direct response to, or immediately after, a precipitation event such as rain or snow. One ephemeral channel was observed in the northeastern portion of the proposed project area/footprint near Pearson Road and Black Olive Drive flowing from north-northeast to south-southwest (**Attachment 1**, page 11). Based on review of aerial imagery and online data as mentioned previously, the upstream portions of this channel may diverge from intermittent channels; however, potential hydrologic connectivity could not be confirmed due to access restrictions.

This channel is dry and sinuous and had medium gradient stream profile. The channel reach near Buschmann Road and Sierra Park Drive has been graded along the streambed, bank, and top of the channel's banks. The channel reach nearest Pearson Road and Black Olive Drive has been heavily burned, and much of the streambed, bank, and vegetation along the top of the banks appears to be dead. Vegetation cover consists of approximately 5 to 10 percent herbaceous cover with a few small, isolated shrub patches with up to 80 percent cover. Sediment texture consist primarily of fine silt.

Potential Wetland

The three types of potential wetlands observed in the study area are vernal pool, scrub-shrub wetland, and freshwater emergent wetland. While data collection is incomplete due to lack of access, based on observations of hydric or wetland vegetation, hydric soil where accessible, and wetland hydrology, there are several potential wetlands along Skyway and in the northeastern portion of the proposed project area/footprint (**Attachment 1**, pages 4, 5, 7, and 10).

Vernal pools are a type of seasonal wetland that typically consist of a mosaic of mounds and depressional areas with swales intermixed. These swales are often seasonal and have a hydrological connection to pools, allowing inundation during the wet season. Vernal pools often have a characteristic impermeable layer such as clay, which prevents the pool from drying prematurely. Hydric, or wetland, plants are often endemic annual grasses and forbs. The vernal pools along Skyway are dominated by *Crassula* spp. and *Lasthenia* spp. Soils consist of rocky basalt with a biotic crust present in the first few centimeters of the soil surface. Wetland hydrology indicators in the proposed project area/footprint include a mosaic of mounds and depressional areas connected by seasonal swales, as described previously, and biotic crust with surface soil cracks. Over 50 vernal pools are estimated along the northern and southern portions of Skyway based on a binocular scan from the roadside.

One potential scrub-shrub wetland and two potential freshwater emergent wetlands were observed in the northeastern portion of the proposed project area/footprint. The potential scrub-shrub wetland near Honey Run appears to be an isolated depressional area with *Salix* spp. as the dominant overstory vegetation and *Juncus* spp. as the dominant herbaceous vegetation. Two potential freshwater emergent wetlands are present in the northeastern portion of the study area with *Typha* spp. and *Juncus* spp. as the dominant herbaceous cover. No surface water was observed in the vernal pools, scrub-shrub wetland, or freshwater emergent wetlands.

Ditch

Five roadside ditches are present in areas of the proposed project area/footprint that could be accessed (**Attachment 1**, pages 1, 2, 11, 21, and 26). These ditches primarily convey stormwater from roads to subsurface storm drains or surface streams.

Special-Status Species Accounts

Candidate, sensitive, and special-status species are commonly characterized as species that are at potential risk or actual risk to their persistence in a given area or across their native habitat. These species have been identified and assigned a status ranking by governmental agencies such as CDFW and USFWS, and by private organizations such as California Native Plant Society (CNPS). The degree to which a species is at risk of extinction is the determining factor in the assignment of a status ranking. Some common threats to a species' or population's persistence include habitat loss, degradation, and fragmentation, as well as human conflict and intrusion. For the purposes of this biological review, special-status species are defined by the following codes:

- Listed, proposed, or candidates for listing under the federal Endangered Species Act (50 CFR § 17.11 – listed; 61 FR 7591 – candidates)
- Listed or proposed for listing under the California Endangered Species Act (FGC 1992 Section 2050 et seq.; 14 California Code of Regulations [CCR] § 670.1 et seq.)
- Designated as species of special concern by CDFW
- Designated as fully protected by CDFW (FGC §§ 3511, 4700, 5050, and 5515)
- Species that meet the definition of rare or endangered under CEQA (14 CCR § 15380) including CNPS List Rank 1B and 2.

The results of USFWS, National Marine Fisheries Service (NMFS), CDFW, and CNPS database queries identified several special-status species with the potential to be impacted by the proposed project. Results of these database queries are provided as **Attachment 2**. In cases where a determination was made that no suitable habitat for a given species is present in the study area, that species is not analyzed further in this document. A table listing all of the species returned by the database queries and rationale for whether or not there is potential for them to occur in the study area is provided as **Attachment 3**. Accounts describing each special-status species with potential to occur in the study area are provided in the following sections.

Plants

The database queries and preliminary analysis of habitat suitability in the study area revealed the potential for 39 special-status plant species to occur in the study area. Descriptions of each of these species are provided in the following sections and are based on information obtained from the CNPS Inventory of Rare, Threatened, and Endangered Plants of California (CNPS 2021).

JEPSON'S ONION

Jepson's onion (*Allium jepsonii*) is a perennial herb (bulb) that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the lily family (Liliaceae) and blooms from April to August. It typically occurs in in chaparral, cismontane woodland, and lower montane coniferous forest with an elevation range of 984 to 3,707 feet. Jepson's onion has potential to occur in the study area (from Tuscan Ridge and east through Paradise) because of the presence of mixed chaparral, blue oak-foothill pine, and montane hardwood-coniferous forests.

FERRIS' MILK-VETCH

Ferris' milk-vetch (*Astragalus tener* var. *ferrisiae*) is an annual herb that is native and endemic to California with a California Rare Plant Rank of 1B.1. It is in the legume family (Fabaceae) and blooms between March and June. It typically can be found in wetlands, meadows, valley grasslands, and riparian areas at elevations ranging from 0 to 263 feet. Ferris' milk-vetch has the potential to occur in the lower elevations of the study area (from the City of Chico west to the Chico WPCP) because of the presence of vernal pools, riparian areas, and grassland habitats.

BIG-SCALE BALSAMROOT

Big-scaled balsamroot (*Balsamorhiza macrolepis*) is a native perennial herb found throughout western North America with a California Rare Plant Rank of 1B.2. It is in the sunflower family (Asteraceae) and blooms between March and June. It can typically be found on slopes in foothill woodlands, chaparral, and valley grasslands at elevations ranging from 115 to 4,806 feet. The species is tolerant of low water and has the potential to occur in the study area because of the presence of chaparral, grassland, and foothill woodland habitats.

WATERSHIELD

Watershield (*Brasenia schreberi*) is a native aquatic perennial herb found throughout North America and in other parts of the world with a California Rare Plant Rank of 2B.3. It is in the watershield family (Cabombaceae) and blooms between April and October. It can typically be found in freshwater marshes, ponds, and slow streams at elevations ranging from 3 to 7,218 feet. The species has the potential to occur in the study area because of the presence of slow streams, particularly Comanche Creek and Little Chico Creek.

FLAGELLA-LIKE ATRACTYLOCARPUS

Flagella-like atractylocarpus (*Campylopodia stenocarpa*) is a native California moss with a California Rare Plant Rank of 2B.2. It is part of the moss family (Dicranaceae) and is low water tolerant. This species is non-vascular and is known to occur in cismontane woodland, often along roadsides, at elevations ranging from 935 to 1,410 feet. Flagella-like atractylocarpus has the potential to occur in the study area, especially in blue oak and blue oak-foothill pine habitats.

DISSECTED-LEAVED TOOTHWORT

Dissected-leaved toothwort (*Cardamine pachystigma*) is a perennial herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the mustard family (Brassicaceae) and blooms between February and May. The species is known to occur in both wetlands and non-wetlands in chaparral and lower montane coniferous forest communities ranging from 984 to 4,594 feet in elevation. Dissected-leaved toothwort has the potential to occur in the study area (from Tuscan Ridge and east through Paradise) because of the presence of chaparral, blue oak-foothill pine, and montane hardwood-conifer communities.

CHAPARRAL SEDGE

Chaparral sedge (*Carex xerophila*) is a perennial herb that is native to California with a California Rare Plant Rank of 1B.2. It is in the sedge family ([Cyperaceae](#)) and blooms between March and June. It is known to occur in open forest, scrub, thicket edges, and chaparral habitats ranging from 902 to 2,527 feet in elevation. Chaparral sedge has the potential to occur in the study area (from Tuscan Ridge and east through Paradise) because of the presence of open forests, scrub, and chaparral habitats.

PINK CREAMSACS

Pink creamsacs (*Castilleja rubicundula*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the paintbrush family (Orobanchaceae) and blooms between April and June. It typically favors open chaparral, cismontane woodlands, meadows, seeps, and valley and foothill grassland habitats ranging from 65 to 3,002 feet. Pink creamsacs has the potential to occur in the study area because of the presence of chaparral, woodland, and valley and foothill grassland habitats.

WHITE-STEMMED CLARKIA

White-stemmed clarkia (*Clarkia gracilis* ssp. *Albicaulis*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the willowherb family (Onagraceae) and blooms between May and July. It typically occurs in chaparral and cismontane woodlands at elevations ranging from 688 to 3,609 feet. White-stemmed clarkia has the potential to occur in the study area (from Tuscan Ridge and east through Paradise) because of the presence of chaparral habitat.

MILDRED'S CLARKIA

Mildred's clarkia (*Clarkia mildrediae* ssp. *Mildrediae*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the willowherb family (Onagraceae) and blooms in July and August. The species is shade and low water tolerant. It typically occurs in lower montane coniferous forests and cismontane woodland habitats at elevations ranging from 902 to 5,676 feet. Mildred's clarkia has the potential to occur in the study area (from Tuscan Ridge and east through Paradise) because of the presence of blue oak-foothill pine woodland and montane hardwood-conifer forest.

MOSQUIN'S CLARKIA

Mosquin's clarkia (*Clarkia mosquinii*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the willowherb family (Onagraceae) and blooms between May and July. The species is shade and low water tolerant. It typically occurs in cismontane woodland and lower montane coniferous forests at elevations ranging from 590 to 4,856 feet. Mosquin's clarkia has the potential to occur in the study area (from Tuscan Ridge and east through Paradise) because of the presence of blue oak-foothill pine woodland and montane hardwood-conifer forest.

SILKY CRYPTANTHA

Silky cryptantha (*Cryptantha crinita*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the borage family (Boraginaceae) and blooms between April and May. It typically occurs in riparian areas, occasionally in wetlands, in foothill pine forests, yellow pine forests, and valley grasslands at elevations ranging from 295 to 3,675 feet. Silky cryptantha has the potential to occur in the study area (from the Butte Creek crossing and east through Paradise) because of the presence of foothill pine forests and valley grasslands.

RECURVED LARKSPUR

Recurved larkspur (*Delphinium recurvatum*) is a perennial herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the ranunculus family (Ranunculaceae) and blooms between March and June. It typically occurs in shadscale scrub, foothill woodlands, valley grasslands and occasionally in wetlands at elevations ranging from 9 to 2,592 feet. Recurved larkspur has the potential to occur in the study area because of the presence of foothill woodlands and valley grasslands.

CLIFTON'S EREMOGONE

Clifton's eremogone (*Eremogone cliftonii*) is a perennial herb that is native to California with a California Rare Plant Rank of 1B.3. It is in the carnation family (Caryophyllaceae) and blooms between April and September. It is known to occur in open granitic soils in chaparral and lower and upper montane coniferous forests at elevations ranging from 1,492 to 6,825 feet. Clifton's eremogone has the potential to occur in the study area (within the sewer service area) because of the presence of chaparral and montane coniferous habitats underlain with granitic soils.

AHART'S BUCKWHEAT

Ahart's buckwheat (*Eriogonum umbellatum* var. *ahartii*) is a perennial herb that is native to California with a California Rare Plant Rank of 1B.2. It is in the knotweed family (Polygonaceae) and blooms between June and September. It typically occurs on slopes and in openings of chaparral and cismontane woodland habitats at elevations ranging from 902 to 4,856 feet. Ahart's buckwheat has the potential to occur in the study area (from Tuscan Ridge and east through Paradise) because of the presence of chaparral and cismontane woodland habitats.

FERN-LEAVED MONKEYFLOWER

Fern-leaved monkeyflower (*Erythranthe filicifolia*) is an annual herb that is native to California with a California Rare Plant Rank of 1B.2. It is in the lopseed family (Phrymaceae) and blooms between April and June. It typically occurs in ephemeral seeps among granitic slabs in meadows, chaparral, and lower montane coniferous forests at elevations ranging from 1,148 to 5,610 feet. Fern-leaved monkeyflower has the potential to occur in the study area (from Lookout Point and east through Paradise) because of the presence of chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats.

HOOVER'S SPURGE

Hoover's spurge (*Euphorbia hooveri*) is an annual herb that is both native and endemic to California. It is listed as federally threatened and has a California Rare Plant Rank of 1B.2. It is an annual herb in the spurge family (Euphorbiaceae) and blooms between July and September. It typically occurs in wetlands, vernal pools, riparian, and valley grassland habitats forming mats of thin, hairless stems. Germination is known to occur after pools or wetlands dry with the arrival of summer. The species can occur at an elevation range of 80 to 820 feet. Hoover's spurge has the potential to occur in the study area (from Tuscan Ridge west to the Chico WPCP) because of the presence of valley grassland habitats with vernal pools.

ADOBE-LILY

Adobe-lily (*Fritillaria pluriflora*) is a perennial bulb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the lily family (Liliaceae) and blooms between February and April. It is known to occur in adobe clay soils of foothill woodlands, chaparral, and valley grassland habitat types at elevations ranging from 147 to 3,100 feet. Adobe-lily has the potential to occur in the study area because of the presence of foothill woodlands, chaparral, and valley grassland habitats.

WOOLLY ROSE-MALLOW

Woolly rose-mallow (*Hibiscus lasiocarpus* var. *occidentalis*) is a perennial herb that is native to California with a California Rare Plant Rank of 1B.2. It is in the mallow family (Malvaceae) and blooms between June and September. It typically occurs in freshwater marshes and wetland riparian habitat at elevations ranging from 0 to 509 feet. Woolly rose-mallow has the potential to occur in the lower elevations of the study area (from the City of Chico west to the Chico WPCP) because of the

presence of some small freshwater emergent wetland features and valley-foothill riparian habitat, especially along Butte Creek.

CALIFORNIA SATINTAIL

California satintail (*Imperata brevifolia*) is a perennial grass-like herb, that is native to California with a California Rare Plant Rank of 2B.1. It is in the blue grass family (Poaceae) and blooms between September and May. It typically occurs in chaparral, coastal scrub, Mojavean desert scrub, riparian, seep, and meadow habitat types at elevations ranging from 0 to 4,905 feet. California satintail has the potential to occur in the study area because of the presence of some small freshwater emergent wetland features as well as chaparral and riparian habitat.

RED BLUFF DWARF RUSH

Red Bluff dwarf rush (*Juncus leiospermus var. leiospermus*) is an annual grass-like herb that is native to California with a California Rare Plant Rank of CNPS 1B.1. It is in the rush family (Juncaceae) and blooms between March and May. It is known to occur in vernal mesic areas in chaparral, cismontane woodlands, meadows, seeps, valley and foothill grassland, and vernal pool habitats at elevations ranging from 98 to 4,118 feet. Red Bluff dwarf rush has the potential to occur in the study area because of the presence of chaparral, woodland, and valley and foothill grassland habitats with vernal pools.

COLUSA LAYIA

Colusa layia (*Layia septentrionalis*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the sunflower family (Asteraceae) and blooms between April and May. The species is known to inhabit foothill woodlands, chaparral, and valley grasslands at elevations ranging from 50 to 3,609 feet. Colusa layia has the potential to occur in the study area because of the presence of foothill woodlands, chaparral, and valley grasslands.

CANTELOW'S LEWISIA

Cantelow's lewisia (*Lewisia cantelovii*) is a perennial herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the Miner's lettuce family (Montiaceae) and blooms between May and October. The species is known to occur in riparian and seep habitats in yellow pine forests, mixed evergreen forests, foothill woodlands, and chaparral vegetation communities at elevations ranging from 1,066 to 4,512 feet. Cantelow's lewisia has the potential to occur in the study area (from Lookout Point and east through Paradise) because of the presence of riparian, foothill woodland, and chaparral vegetation communities.

BUTTE COUNTY MEADOWFOAM

Butte County meadowfoam, (*Limnanthes floccosa ssp. californica*) is an annual herb that is both native and endemic to California. It is listed as federal and state endangered with a California Rare Plant Rank of 1B.1. It is in the meadowfoam family (Limnanthaceae) and blooms between March and May. The species is known to occur primarily on the margins of vernal swales located on alluvial terraces in annual grasslands with mima mound topography at elevations ranging from 115 to 1,215 feet. Butte County meadowfoam has the potential to occur in the study area (west of the sewer service area) because of the presence of annual grassland habitats with vernal pools.

VEINY MONARDELLA

Veiny monardella (*Monardella venosa*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.1. It is in the mint family (Lamiaceae) and blooms in June and July. The species is known to occur in heavy clay soils in cismontane woodland and

grassland communities at elevations ranging from 98 to 1,329 feet. Veiny monardella has the potential to occur in the study area (west of the sewer service area) because of the presence of cismontane woodland and grassland vegetation communities.

HAIRY ORCUTT GRASS

Hairy Orcutt grass (*Orcuttia pilosa*) is an annual grass-like herb that is both native and endemic to California. It is listed as federal and state endangered with a California Rare Plant Rank of 1B.1. It is in the grass family (Poaceae) and blooms between May and September. The species is known to occur in vernal pools within annual grasslands at elevations ranging from 85 to 660 feet. Hairy Orcutt grass has the potential to occur in the study area (from Tuscan Ridge west to the Chico WPCP) because of the presence of annual grassland habitats with vernal pools.

LEWIS ROSE'S RAGWORT

Lewis Rose's ragwort (*Packera eurycephala* var. *lewisrosei*) is a perennial herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the sunflower family (Asteraceae) and blooms between March and July. The species is known to occur in chaparral, cismontane woodland, and lower montane coniferous forest at elevations ranging from 328 to 6,200 feet. Lewis Rose's ragwort has the potential to occur in the study area because of the presence of chaparral, blue oak-foothill pine, and montane hardwood-coniferous woodland communities.

AHART'S PARONYCHIA

Ahart's paronychia (*Paronychia ahartii*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.1. It is in the pink family (Caryophyllaceae) and blooms between March and June. The species is known to occur in cismontane woodland, grassland, and vernal pool habitats at elevations ranging from 1,066 to 4,512 feet. Ahart's paronychia has the potential to occur in the study area (from Lookout Point and east through Paradise) in blue oak-foothill pine, montane hardwood-conifer, and vernal pools within annual grassland vegetation communities.

SIERRA BLUE GRASS

Sierra blue grass (*Poa sierrae*) is a perennial grasslike herb that is both native and endemic to California with a California Rare Plant Rank of 1B.3. It is in the grass family (Poaceae) and blooms between April and June. The species is known to occur in openings in lower montane coniferous forest at elevations ranging from 1,148 to 6,282 feet. Sierra blue grass has the potential to occur in the study area (from Lookout Point and east through Paradise) because of the presence of blue oak-foothill pine and montane hardwood-conifer vegetation communities.

CALIFORNIA BEAKED-RUSH

California beaked-rush (*Rhynchospora californica*) is a perennial grasslike herb that is both native and endemic to California with a California Rare Plant Rank of 1B.1. It is in the sedge family (Cyperaceae) and blooms between May and July. The species is known to occur in bogs, fens, meadows, seeps, freshwater marshes and swamps, and lower montane coniferous forest vegetation communities at elevations ranging from 145 to 885 feet. California beaked-rush has the potential to occur in the study area (from Tuscan Ridge west to the Chico WPCP) because of the presence of small freshwater emergent wetland features within montane hardwood-conifer habitats.

BROWNISH BEAKED-RUSH

Brownish beaked-rush (*Rhynchospora capitellata*) is a perennial grasslike herb that is both native and endemic to California with a California Rare Plant Rank of 2B.2. It is in the sedge family

(Cyperaceae) and blooms in July and August. The species is known to occur in mesic soils in meadows, seeps, marshes, swamps, and montane coniferous forests at elevations ranging from 145 to 6,560 feet. Brownish beaked-rush has the potential to occur in the study area because of the presence of small freshwater emergent wetland features within montane hardwood-conifer habitats.

HALL'S RUPERTIA

Hall's rupertia (*Rupertia hallii*) is a perennial herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the legume family (Fabaceae) and blooms between June and August. The species is known to occur along roadsides and in openings of cismontane woodland and lower montane coniferous forest at elevations ranging from 1,785 to 7,380 feet. Hall's rupertia has the potential to occur in the higher elevation portions of the study area (sewer service area) because of the presence of blue oak-foothill pine and montane hardwood-coniferous forests and the disturbed/ruderal areas adjacent to those habitat types.

SANFORD'S ARROWHEAD

Sanford's arrowhead (*Sagittaria sanfordii*) is a rhizomatous perennial herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the water-plantain family (Alismataceae) and blooms between May and October. The species is known to occur in standing or slow-moving freshwater marshes, ponds, swamps, and ditches at elevations ranging from 0 to 1,985 feet. Sanford's arrowhead has the potential to occur in the study area because of the presence of slow-moving streams (especially Comanche Creek and Little Chico Creek).

FEATHER RIVER STONECROP

Feather River stonecrop (*Sedum albomarginatum*) is a perennial herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the stonecrop family (Crassulaceae) and blooms in May and June. The species is known to occur in chaparral and lower montane coniferous forests at elevations ranging from 984 to 6,070 feet. Feather River stonecrop has the potential to occur in the study area (from Tuscan Ridge and east through Paradise) because of the presence of chaparral, blue oak-foothill pine, and montane hardwood-coniferous forest.

BUTTE COUNTY CHECKERBLOOM

Butte County checkerbloom (*Sidalcea robusta*) is a rhizomatous perennial herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the mallow family (Malvaceae) and blooms between April and June. The species is known to occur in chaparral and cismontane woodland communities at elevations ranging from 245 to 1,313 feet. Butte County checkerbloom is known to occur in the study area (between the Butte Creek crossing and the sewer service area) in chaparral and foothill woodland habitats.

SLENDER-LEAVED PONDWEED

Slender-leaved pondweed (*Stuckenia filiformis* ssp. *alpina*) is a perennial herb that is native to California with a California Rare Plant Rank of 2B.2. It is in the pondweed family (Potamogetonaceae) and blooms between May and July. The species is known to occur in shallow, clear water of lakes, drainage channels, freshwater marshes and swamps at elevations ranging from 15 to 7,628 feet. Slender-leaved pondweed has the potential to occur in slow-moving streams in the study area (especially Comanche Creek and Little Chico Creek).

BUTTE COUNTY GOLDEN CLOVER

Butte County golden clover (*Trifolium jokerstii*) is an annual herb that is both native and endemic to California with a California Rare Plant Rank of 1B.2. It is in the legume family (Fabaceae) and

blooms between March and May. The species is known to occur in mesic grasslands and vernal pools at elevations ranging from 145 to 1,313 feet. Butte County golden clover has the potential to occur in the study area (west of sewer service area) because of the presence of annual grassland habitats with vernal pools.

GREENE'S TUCTORIA

Greene's tuctoria (*Tuctoria greenei*) is an annual grass-like herb that is both native and endemic to California. It is listed as federally endangered and state rare with a California Rare Plant Rank of 1B.1. It is in the grass family (Poaceae) and blooms between May and September. The species is known to occur in shallow vernal pools (or at the shallow margins of deeper pools) at elevations ranging from 82 to 4,348 feet. Greene's tuctoria has the potential to occur in the study area because of the presence of annual grassland habitats with vernal pools.

BRAZILIAN WATERMEAL

Brazilian watermeal (*Wolffia brasiliensis*) is a perennial herb that is native to California, with a California Rare Plant Rank of 2B.3 which means it is rare in California but common elsewhere. It is in the arum family (Araceae) and blooms between April and December. The species is known to occur in shallow freshwater marshes and swamps at elevations ranging from 65 to 330 feet. Brazilian watermeal has the potential to occur in the study area because of the presence of small freshwater emergent wetlands.

Wildlife

The database queries and preliminary analysis of habitat suitability in the study area revealed the potential for 38 special-status wildlife species to occur in the study area. Descriptions of each of these species are provided in the following sections.

CROTCH BUMBLE BEE

Crotch bumble bee (*Bombus crotchii*) is an insect species which is a candidate for listing as state endangered in California. They nest underground, utilize open grassland and scrub habitats, and nectar from a variety of flowering plants including those in the following genera: *Asclepias*, *Chaenactis*, *Lupinus*, *Medicago*, *Phacelia*, and *Salvia* (CDFW 2019a). Crotch bumble bee has the potential to occur in the study area in annual grassland and mixed chaparral habitats.

WESTERN BUMBLE BEE

Western bumble bee (*Bombus occidentalis*) is an insect species which is a candidate for listing as state endangered in California. They utilize open grassland, chaparral, and scrub habitats as well as mountain meadows and urban parks and gardens. They typically nest underground in abandoned rodent burrows, and in open west-southwest facing slopes bordered by trees, although they do sometimes nest in above-ground locations such as in logs or among railroad ties (CDFW 2019a). Western bumble bee has the potential to occur in the study area in annual grassland and mixed chaparral habitats, as well as in parks and gardens in Chico and Paradise.

CONSERVANCY FAIRY SHRIMP

Conservancy fairy shrimp (*Branchinecta conservatio*) is a federally endangered species of crustacean which is endemic to vernal pools in California, almost entirely in the Central Valley. While the majority of sites inhabited by this species are large and turbid pools which remain inundated much longer than typical vernal pools, they can be found in smaller vernal pools as well (USFWS 2012). Conservancy fairy shrimp has the potential to occur in vernal pools in the study area.

VERNAL POOL FAIRY SHRIMP

Vernal pool fairy shrimp (*Branchinecta lynchi*) is a federally threatened species of crustacean which is endemic to vernal pools in California and southern Oregon, especially on the eastern side of California's Central Valley. They are found only in cool water vernal pools, requiring water temperatures of 50°F or lower to hatch, and they are typically associated with smaller, shallower vernal pools (about 6 inches deep) that have relatively short periods of inundation (USFWS 2007a). Vernal pool fairy shrimp has the potential to occur in vernal pools in the study area.

VALLEY ELDERBERRY LONGHORN BEETLE

Valley elderberry longhorn beetle is a federally threatened species of insect which is endemic to California. It occurs in the Central Valley from Shasta County south to Fresno County and from the valley floor up to approximately 500 feet in elevation. This species is completely dependent on elderberry shrubs (*Sambucus* spp.) in which they spend their entire life cycle; developing in the pith of the elderberry stems and only emerging as adults for a brief period in spring to reproduce. They are most often found occupying elderberry shrubs within riparian habitat but can also be found in elderberry shrubs in annual grassland or oak savanna habitats (USFWS 2017). Valley elderberry longhorn beetle is known to occur in valley-foothill riparian habitat in the study area with elderberry shrubs present, such as along Butte Creek and Little Chico Creek.

VERNAL POOL TADPOLE SHRIMP

Vernal pool tadpole shrimp (*Lepidurus packardii*) is a federally endangered species of crustacean which is endemic to vernal pools in California, especially in California's Central Valley from Shasta County south to Tulare County. They can occur in pools with water temperatures ranging from 50 to 84°F, though hatching rates become significantly lower at temperatures above 68°F. While this species is more prolific in pools with inundation periods of 6 months or greater, they can persist in smaller pools with shorter inundation periods (USFWS 2007b). There is final critical habitat for this species within 1.5 miles of the study area. Vernal pool tadpole shrimp has the potential to occur in vernal pools in the study area.

RIFFLE SCULPIN

Riffle sculpin (*Cottus gulosus*) is a California species of special concern which occurs in clear and shaded permanent, cool, headwater streams with moderate gradients where riffles and rocky substrates predominate. They are mostly present in mid-elevation reaches, although they are present below dams with coldwater releases (Moyle 2002). Riffle sculpin has the potential to occur in the study area in Butte Creek, Comanche Creek, and Little Chico Creek.

HARDHEAD

Hardhead (*Mylopharodon conocephalus*) is a California species of special concern which occurs in the Sacramento-San Joaquin and Russian River drainages, including their tributaries. They prefer small to large streams in low to mid-elevation environments, though they may also inhabit lakes or reservoirs. They are usually found in clear deep streams with a slow but present flow. Though spawning may occur in pools, runs, or riffles, the bedding area will typically be characterized by gravel and rocky substrate (CDFW 2015). Hardhead has the potential to occur in perennial streams in the study area, especially Butte Creek.

STEELHEAD (CENTRAL VALLEY DPS)

The Central Valley Distinct Population Segment (DPS) of steelhead is a federally threatened anadromous fish species which journeys from the marine and estuarine waters of San Francisco and San Pablo Bays to the Sacramento and San Joaquin Rivers and their tributaries to spawn. Spawning

habitat includes gravel-bottomed, fast-flowing, well-oxygenated rivers and streams (NMFS 2016a). Central Valley steelhead are known to occur within the study area in Butte Creek.

CHINOOK SALMON (CENTRAL VALLEY SPRING-RUN ESU)

The Central Valley spring-run Evolutionarily Significant Unit (ESU) of chinook salmon is a federally and state threatened anadromous fish species which journeys from the Sacramento-San Joaquin River Delta into the Sacramento River and its tributaries to spawn starting in late March (NMFS 2016b). Central Valley spring-run Chinook salmon are known to occur within the study area in Butte Creek, and in fact Butte Creek is known to have the largest self-sustaining, naturally spawning, wild population of spring-run Chinook salmon in the Central Valley. The species was observed in Butte Creek during field studies for the Project in spring 2021.

FOOTHILL YELLOW-LEGGED FROG

Foothill yellow-legged frog (*Rana boylei*) is an amphibian species which statewide is considered a California species of special concern, and as of March 2020 in certain portions of its range, has been elevated to state threatened or endangered. Foothill yellow-legged frogs that could occur in the study area could be part of the Feather River clade which are listed as state threatened. The species prefers shallow flowing streams and rivers with at least cobble sized substrate. Breeding generally occurs at the margins of wide shallow channels with reduced flow variation near tributary confluences. Specifically, egg masses are placed in low flow locations on or under rocks with preferred substrates being boulders, cobbles, or gravel (CDFW 2019b). Foothill yellow-legged frogs are known to occur in perennial streams and valley-foothill riparian habitats in the study area, especially Butte Creek and Honey Run.

CALIFORNIA RED-LEGGED FROG

California red-legged frog (*Rana draytonii*) is a federally threatened species and a California species of special concern. This species is dependent on suitable aquatic, estivation, and upland habitat. During periods of wet weather, starting with the first rainfall in late fall, California red-legged frogs disperse away from their estivation sites to seek suitable breeding habitat. Aquatic and breeding habitat is characterized by dense, shrubby, riparian vegetation and deep still or slow-moving water. Breeding occurs between late November and late April. California red-legged frogs estivate (period of inactivity) during the hot and dry months in upland habitats, typically within 300 feet of aquatic and riparian habitat. Upland habitats are composed of grasslands, woodlands, and/or vegetation that provide shelter, forage, and predator avoidance, including small mammal burrows, moist leaf litter, incised stream channels, and large cracks in the bottom of dried ponds (USFWS 2010). California red-legged frog has the potential to occur in perennial stream and valley-foothill riparian habitats in the study area, as well as annual grassland with small mammal burrows and connectivity to the above-mentioned aquatic habitats.

WESTERN SPADEFOOT

Western spadefoot (*Spea hammondi*) is an amphibian species which is considered a California species of special concern. They dwell underground for most of the year in burrows they dig themselves with the aid of a hard, black, wedge-shaped spade on each hindfoot. They emerge following winter rains to breed in vernal pools and other seasonal wetland features within grassland and sometimes valley-foothill hardwood habitats (Thomson et al. 2016). Western spadefoot has the potential to occur in vernal pools, annual grasslands, and valley oak, blue oak, and blue oak-foothill pine habitats in the study area.

WESTERN POND TURTLE

Western pond turtle is a reptile species which is considered a California species of special concern. They occupy various waterbodies, both natural and artificial, with exposed banks, logs, or other surfaces for basking, and connectivity to upland habitat with vegetative cover for nesting and overwintering (Thomson et al. 2016). Western pond turtles were observed basking on logs along Butte Creek during field studies for the Project in spring 2021, and are known to occur along Comanche Creek, Little Chico Creek and at the Chico WPCP ponds.

COAST HORNED LIZARD

Coast horned lizard is a reptile species which is considered a California species of special concern. They occupy sage scrub, dunes, alluvial scrub, annual grassland, chaparral, oak, riparian, coniferous forest, and saltbush scrub. They require loose, fine soil for burrowing, open areas for basking, and dense foliage for cover (Thomson et al. 2016). Coast horned lizard has the potential to occur in annual grassland, mixed chaparral, valley oak, blue oak, blue oak-foothill pine, and valley-foothill riparian habitats in the study area.

GIANT GARTER SNAKE

Giant garter snake (*Thamnophis gigas*) is a reptile species which is endemic to California's Central Valley and listed as federal and state threatened. They are a highly aquatic species, occupying marshes, sloughs, ponds, small lakes, low gradient streams, irrigation canals, rice fields, and associated uplands with at least some vegetation for escape, and burrows or soil crevices for refugia. They spend much of the year (usually October to March) in this underground refugia, then emerge in spring to breed. They are found from sea level to approximately 400 feet in elevation. Butte County is the northernmost extent of the range of this species (USFWS 2020). Giant garter snake has the potential to occur in perennial streams and valley-foothill riparian habitats in the lower elevation portions of the study area (from where Butte Creek crosses the study area, west to the Chico WPCP).

NORTHERN GOSHAWK

Northern goshawk (*Accipiter gentilis*) is an arboreal raptor which is considered a California species of special concern. They nest in mature, old-growth coniferous forests at high elevations in the Sierra Nevada and Cascade Mountains. They prefer stands with ponderosa pine and nest sites on north-facing slopes with nearby rivers, creeks, or streams. They prey mainly on small mammals such as rabbits and squirrels, and small to mid-sized birds such as robins and jays (Shuford and Gardali 2008). Northern goshawk has the potential to occur in montane hardwood-conifer and ponderosa pine habitats in the highest elevation portions of the study area (in the town of Paradise), though it is much more likely to occur as a migrant or winter visitor than to nest there.

TRICOLORED BLACKBIRD

Tricolored blackbird (*Agelaius tricolor*) is a state threatened species and a California species of special concern. It is a colonial species, nesting in populous colonies in fresh marshes with dense emergent vegetation or, increasingly with the loss of this preferred habitat, in dense patches of thorny shrubs such as Himalayan blackberry (*Rubus armeniacus*), or California wild rose (*Rosa californica*). The species is omnivorous, feeding mostly on insects, but also taking seeds and waste grains from croplands and grassy fields. For breeding habitat to be suitable, there must be foraging habitat and open water within 4 miles of the colony site (CDFW 2021b). Tricolored blackbird has the potential to occur in annual grassland, cropland, irrigated row and field crop, pasture, and valley-foothill riparian habitats in the study area. However, with a lack of suitable nesting habitat (dense

patches of thorny shrubs or fresh marshes with dense emergent vegetation), it is much more likely to forage in the study area than to nest there.

GREATER SANDHILL CRANE

Greater sandhill crane (*Antigone canadensis tabida*) is a tall wading bird that is a state threatened and state fully protected species in California. The species nests in the far northeastern corner of the state from Modoc Plateau south to Sierra Valley on the eastern side of the Sierra Nevada and Cascade Mountains. It overwinters in the Central Valley and low foothills in annual and perennial grassland habitats, moist croplands with rice or corn stubble, and open emergent wetlands (CDFW 2021b). Greater sandhill crane has the potential to occur from fall through spring in annual grassland, cropland, irrigated row and field crop, and pasture habitats in the study area. Migrating flocks of greater sandhill cranes were observed flying high over the study area during field studies in Spring 2021. However, the study area is not in the nesting range of the species.

GOLDEN EAGLE

Golden eagle (*Aquila chrysaetos*) is protected by the Bald and Golden Eagle Protection Act and is a state fully protected species in California. This large raptor prefers rolling foothills and mountain terrain, wide arid plateaus deeply cut by streams and canyons, and open mountain slopes, cliffs, and rock outcrops for nesting. They forage over open grasslands and oak savanna habitats for their mainly mammalian prey which consists largely of rabbits and ground squirrels, though they will often prey on lizards, snakes, and birds (CDFW 2021b). Golden eagle has the potential to occur in annual grassland, mixed chaparral, blue oak, and blue oak-foothill pine habitats in the study area, though it is much more likely to occur as a migrant or winter visitor than to nest there.

LONG-EARED OWL

Long-eared owl (*Asio otus*) is a bird species which is considered a California species of special concern. They nest and roost in dense stands of live oak (*Quercus* spp.) and in riparian thickets with dense canopies near meadow edges. At higher elevations, they also nest in dense stands of conifers. In winter they often form large roost groups in riparian thickets or dense stands of willows (CDFW 2021b). Long-eared owl has the potential to occur in montane hardwood-conifer, ponderosa pine, blue oak-foothill pine, and valley-foothill riparian habitats in the study area. At the lower elevations of the study area (from Tuscan Ridge west to the Chico WPCP), they are much more likely to occur as an uncommon migrant or winter visitor than to nest.

BURROWING OWL

Burrowing owl (*Athene cunicularia*) is a crepuscular bird species which is considered a California species of special concern. They nest underground, and in California, they mainly take over the burrows of California ground squirrels or occupy human-made ground cavities such as drainpipes or culverts. They can persist in many kinds of highly disturbed areas such as airports, golf courses, and vacant lots. The most important elements of suitable habitat for the species are small mammal burrows and open ground with sparse vegetative cover for foraging (CDFW 2021b). Burrowing owl has the potential to occur in annual grassland, cropland, irrigated row and field crop, pasture, and disturbed/ruderal habitats mainly in the lower elevations of the study area (from Tuscan Ridge west to the Chico WPCP).

SWAINSON'S HAWK

Swainson's hawk is a state threatened raptor species which nests in oak savanna and cottonwood riparian woodland adjacent to their foraging habitat of grassland or agricultural fields. They often

follow behind farm equipment to forage for killed or maimed rodents and are also often observed foraging over grassy roadsides or highway medians. Swainson's hawks are a neotropical migrant species, mostly departing California by October for wintering grounds as far south as Argentina and returning in March and April to nest (CDFW 2021b). Swainson's hawks are known to occur in valley oak woodland, valley-foothill riparian, pasture, and irrigated row and field crop habitat in the study area. An active Swainson's hawk nest was found during field studies for the Project in spring 2021.

NORTHERN HARRIER

Northern harrier is a raptor species which is considered a California species of special concern. They occupy a variety of open habitats such as marshes, wet meadows, weedy borders of lakes, rivers and streams, grasslands, pastures, and croplands where they patrol low for their prey of mainly small mammals and birds. They nest on the ground in patches of dense, tall vegetation in undisturbed areas (Shuford and Gardali 2008). Northern harrier is known to occur in annual grassland, pasture, and irrigated row and field crop habitats in the study area, and one was observed in the study area during field studies for the Project in spring 2021. However, with the lack of truly suitable nesting habitat in the study area (tall vegetation in undisturbed areas), it is much more likely to occur as a migrant or winter visitor than to nest there.

WHITE-TAILED KITE

White-tailed kite is a state fully protected raptor species in California which nests in oak savanna, oak and willow riparian, and other open areas with scattered trees near their foraging habitat of open grasslands, meadows, and farmland. They are often seen hover foraging over roadsides or grassy highway medians in pursuit of their prey; mainly small mammals such as voles, mice, and pocket gophers, though birds, reptiles, and insects are sometimes taken (CDFW 2021b). White-tailed kite has the potential to occur in annual grassland, blue oak and valley oak woodland, valley-foothill riparian, irrigated row and field crop, pasture, and disturbed/ruderal habitats in the study area.

AMERICAN PEREGRINE FALCON

American peregrine falcon (*Falco peregrinus anatum*) is a state fully protected raptor species in California which is often observed making high-speed pursuits of its mainly avian prey through canyons or over wetlands, lakes, rivers, or other aquatic habitats. They mainly nest on cliff ledges, though they will often use high human-made structures such as bridges, skyscrapers, or electrical towers (CDFW 2021b). American peregrine falcon has the potential to occur in blue oak-foothill pine, ponderosa pine, and montane hardwood-conifer habitats as well as developed portions of the study area.

BALD EAGLE

Bald eagle (*Haliaeetus leucocephalus*) is protected by the Bald and Golden Eagle Protection Act and is listed as state endangered in California. They are highly piscivorous, preferring to nest near large bodies of water such as rivers, lakes, and reservoirs with abundant fish. They build massive nests which they return to year after year in very large old-growth trees with open, supportive branches (CDFW 2021b). Bald eagle is known to occur in the study area, and a pair was observed perched along and soaring over Butte Creek in the study area several times during field studies for the Project in spring 2021.

YELLOW-BREASTED CHAT

Yellow-breasted chat (*Icteria virens*) is a neotropical migrant songbird which is considered a California species of special concern. It occupies early successional riparian habitats with a well-

developed shrub layer and an open canopy along narrow borders of streams, creeks, sloughs, and rivers (CDFW 2021b). They often nest in dense thickets of blackberries and willows where their raucous song can be heard emanating from deep in the brush. Yellow-breasted chat has the potential to occur in valley-foothill riparian habitat in the study area.

LOGGERHEAD SHRIKE

Loggerhead shrike (*Lanius ludovicianus*) is a predatory songbird which is considered a California species of special concern. Shrikes are unique for their practice of impaling their prey (mostly small mammals, birds, and lizards) on thorny vegetation or barbed wire fences. This species prefers shrublands and open woodlands with a fair amount of grass cover and areas of bare ground. They require tall shrubs or trees, fences, or power lines for hunting perches and territorial advertisement, and thorny vegetation or barbed wire fences for impaling their prey (CDFW 2021b). Loggerhead shrike has the potential to occur in annual grassland, mixed chaparral, blue oak woodland, valley oak woodland, valley-foothill riparian, irrigated row and field crop, pasture, and disturbed/ruderal habitats in the study area.

CALIFORNIA BLACK RAIL

California black rail (*Laterallus jamaicensis coturniculus*) is a state threatened and fully protected species in California. It is one of the least known bird species in North America as it is a very small and very secretive denizen of saline, brackish, and fresh emergent wetlands where its loud, piercing call (mostly delivered at night) is often the only indication of its presence. They are mainly known from tidal wetlands in the San Francisco Bay Area and southern California baylands, and fresh marshes in the Lower Colorado River Valley and Imperial Valley near the Salton Sea. However, they are known to occupy a few scattered ephemeral wetland features in the Sacramento Valley and lower Sierra Nevada foothills (CDFW 2021b). California black rail has the potential to occur in small freshwater emergent wetland and vernal pools within annual grassland habitats in the study area.

PURPLE MARTIN

Purple martin (*Progne subis*) is a neotropical migrant bird species and is considered a California species of special concern. They are the largest swallow species in North America, and are colonial, returning from their wintering grounds in late March and early April. With the exception of the Sacramento area, where they have taken to nesting under highway bridges, purple martins prefer to nest in the mountains and foothills in forest edges with plentiful cavities and ample airspace above the canopy to allow for foraging of aerial insects (CDFW 2021b). Purple martins have the potential to occur in montane hardwood-conifer and valley-foothill riparian habitats in the study area. They could occur as a migrant in the lower elevation portions of the study area but are only likely to nest at higher elevations in and near the town of Paradise.

YELLOW WARBLER

Yellow warbler (*Setophaga petechia*) is a neotropical migrant bird species and is considered a California species of special concern. They are usually found in cottonwood willow riparian habitat along creeks and rivers, though they also nest in montane shrubbery in open coniferous forests (CDFW 2021b). Yellow warblers have the potential to occur in montane hardwood-conifer and valley-foothill riparian habitats in the study area. They could occur as a migrant in the lower elevation portions of the study area but are most likely to nest at higher elevations in and near the town of Paradise.

CALIFORNIA SPOTTED OWL

California spotted owl (*Strix occidentalis occidentalis*) is considered a California species of special concern which ranges throughout the west slopes of the Sierra Nevada Mountains. They prefer older forests in areas of high canopy cover, with a multi-layered canopy, old decadent trees, a high number of large trees, and coarse downed woody debris (CDFW 2021b). California spotted owl has the potential to occur in montane hardwood-conifer and ponderosa pine habitats at the highest elevation portions of the study area. However, this species is much more likely to occur during migration or winter in the study area and is not likely to nest there due to the lack of old-growth, dense canopy forest.

PALLID BAT

Pallid bat (*Antrozous pallidus*) is a cave, cliff, and crevice-roosting bat which is considered a California species of special concern. While they mostly roost in rocky places, pallid bats sometimes choose to roost in hollow trees, buildings, or other human-made structures. They occupy a wide variety of habitats including grasslands, shrublands, and woodlands, from sea-level up to montane coniferous forests. They are most common in open, dry habitats with rocky areas for roosting (CDFW 2021b). Pallid bat has the potential to occur in all habitats in the study area and could potentially roost in hollow trees or buildings in the study area.

TOWNSEND'S BIG-EARED BAT

Townsend's big-eared bat (*Corynorhinus townsendii*) is a building, cave, mine, and tunnel-roosting bat which is considered a California species of special concern. They range nearly throughout California (with the exception of the highest elevations of the Sierra Nevada Mountains) and occupy a wide variety of habitat, though they prefer more mesic sites. They are able to hover-glean, and forage on habitat edges, taking moths, beetles, and other soft-bodied insects from brush and trees. They may use different sites for day roosts, night roosts, maternity roosts, and hibernacula. They are extremely sensitive to disturbance at roost sites and will abandon a roost easily (CDFW 2021b). Townsend's big-eared bat has the potential to occur in all habitats in the study area and could potentially roost in buildings or other human-made structures with dark, quiet recesses in the study area.

WESTERN MASTIFF BAT

Western mastiff bat (*Eumops perotis californicus*) is a building, cliff, and crevice-roosting bat which is considered a California species of special concern. While they mostly roost in rocky places, western mastiff bats sometimes choose to roost in hollow trees, buildings, or other human-made structures as long as there is a vertical face for them to drop off to take flight. They occupy a wide variety of arid to semi-arid habitats including grasslands, chaparral, coniferous and deciduous woodlands, and developed areas. They are most common in open, dry habitats with an abundance of crevices or buildings for roosting (CDFW 2021b). Western mastiff bat has the potential to occur in all habitats in the study area and could potentially roost in buildings or other human-made structures in the study area.

WESTERN RED BAT

Western red bat (*Lasiurus blossevillii*) is a tree-roosting bat which is considered a California species of special concern. While they mostly roost in rocky places, western red bats sometimes choose to roost in hollow trees, buildings, or other human-made structures. They occupy a wide variety of habitats including grasslands, shrublands, and woodlands, from sea-level up to montane coniferous forests. Roosts are most often in edge habitats adjacent to fields, streams, or urban areas (CDFW

2021b). Western red bat has the potential to occur in all habitats in the study area and could potentially roost in trees or buildings in the study area.

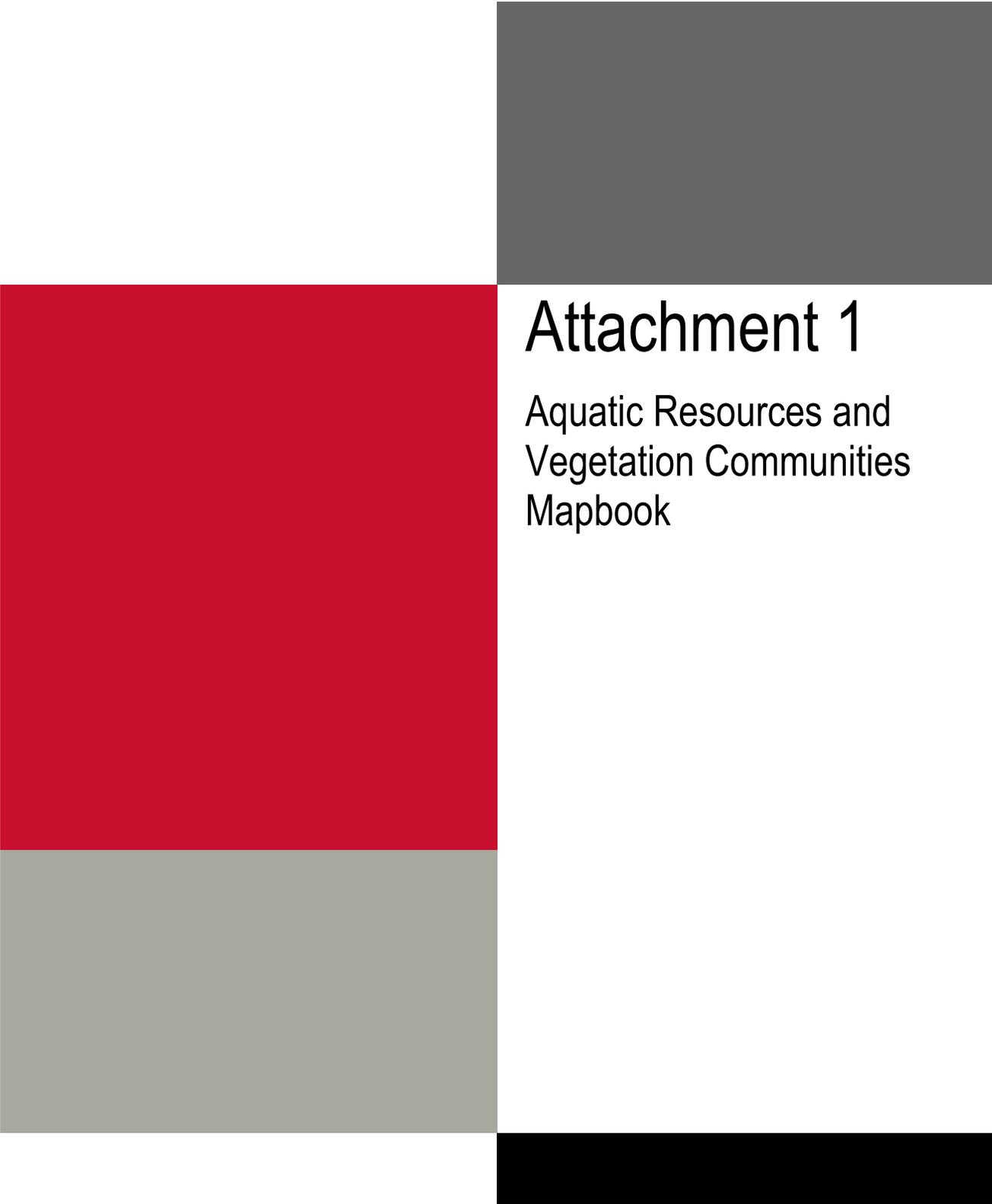
AMERICAN BADGER

American badger (*Taxidea taxus*) is a burrowing carnivorous mammal in the family Mustelidae which is considered a California species of special concern. They are most abundant in dry, open stages of grassland, shrubland, and woodland habitats, most crucially with friable soils for them to dig their burrows and pursue their fossorial mammal prey (CDFW 2021b). American badger has the potential to occur in annual grassland, mixed chaparral, and blue oak-foothill pine habitats in the study area, especially in the open habitats between Chico and Paradise.

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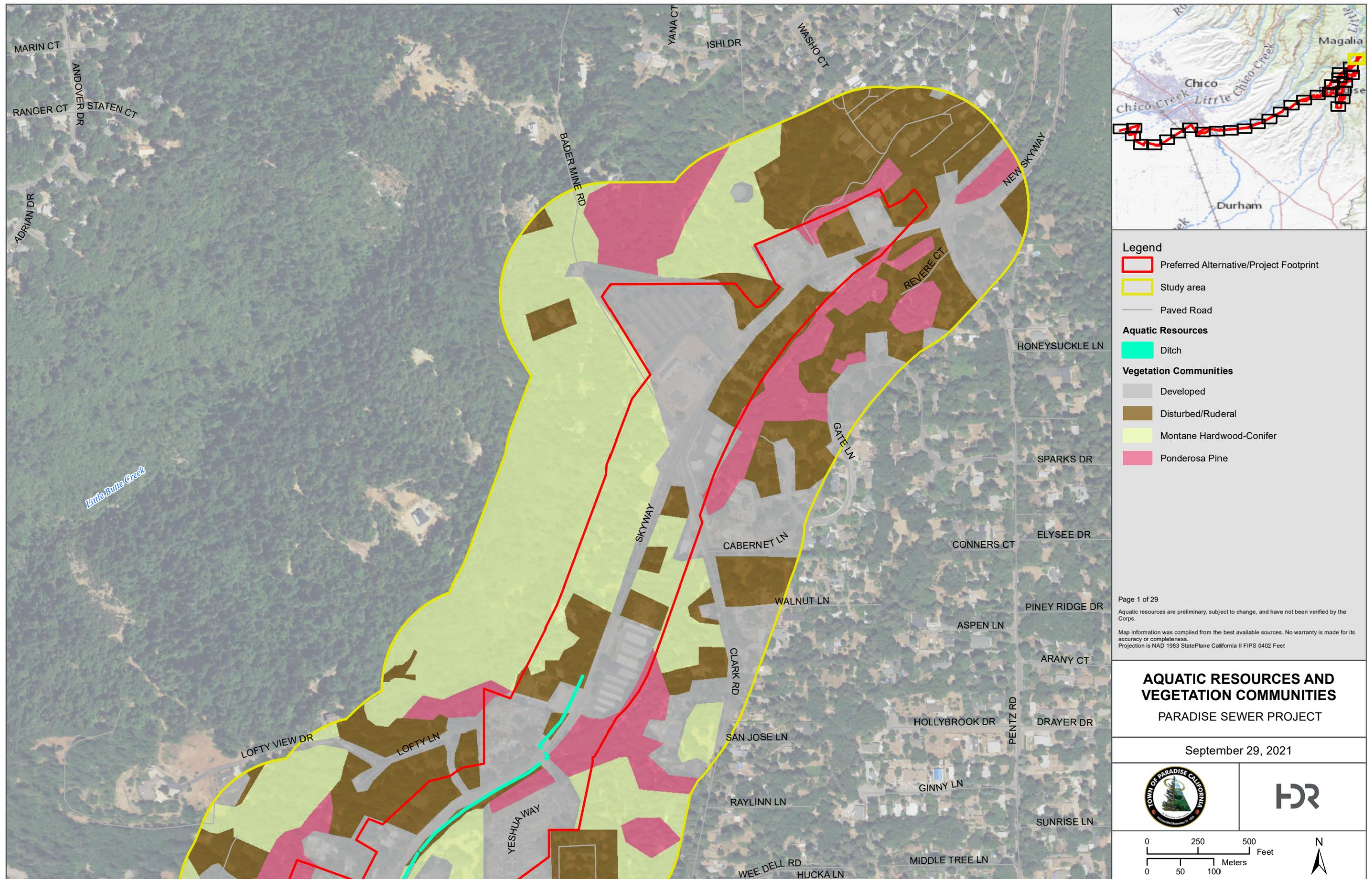
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Attachment 1

Aquatic Resources and Vegetation Communities Mapbook



Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Aquatic Resources

- Ditch

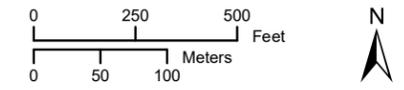
Vegetation Communities

- Developed
- Disturbed/Ruderal
- Montane Hardwood-Conifer
- Ponderosa Pine

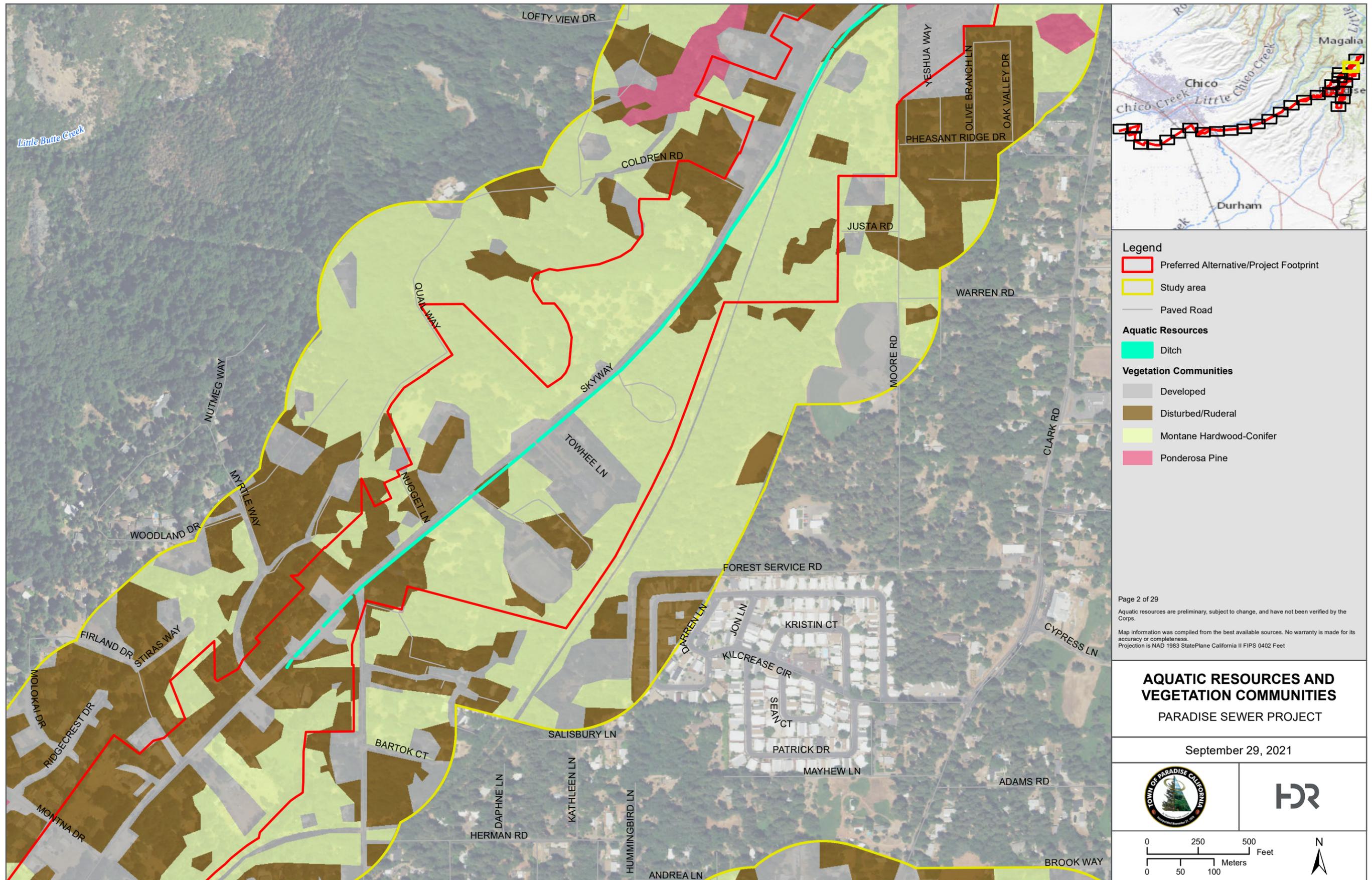
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 Map information was compiled from the best available sources. No warranty is made for its accuracy or completeness.
 Projection is NAD 1983 StatePlane California II FIPS 0402 Feet

AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Aquatic Resources

- Ditch

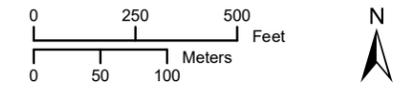
Vegetation Communities

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- Disturbed/Ruderal
- Montane Hardwood-Conifer
- Ponderosa Pine

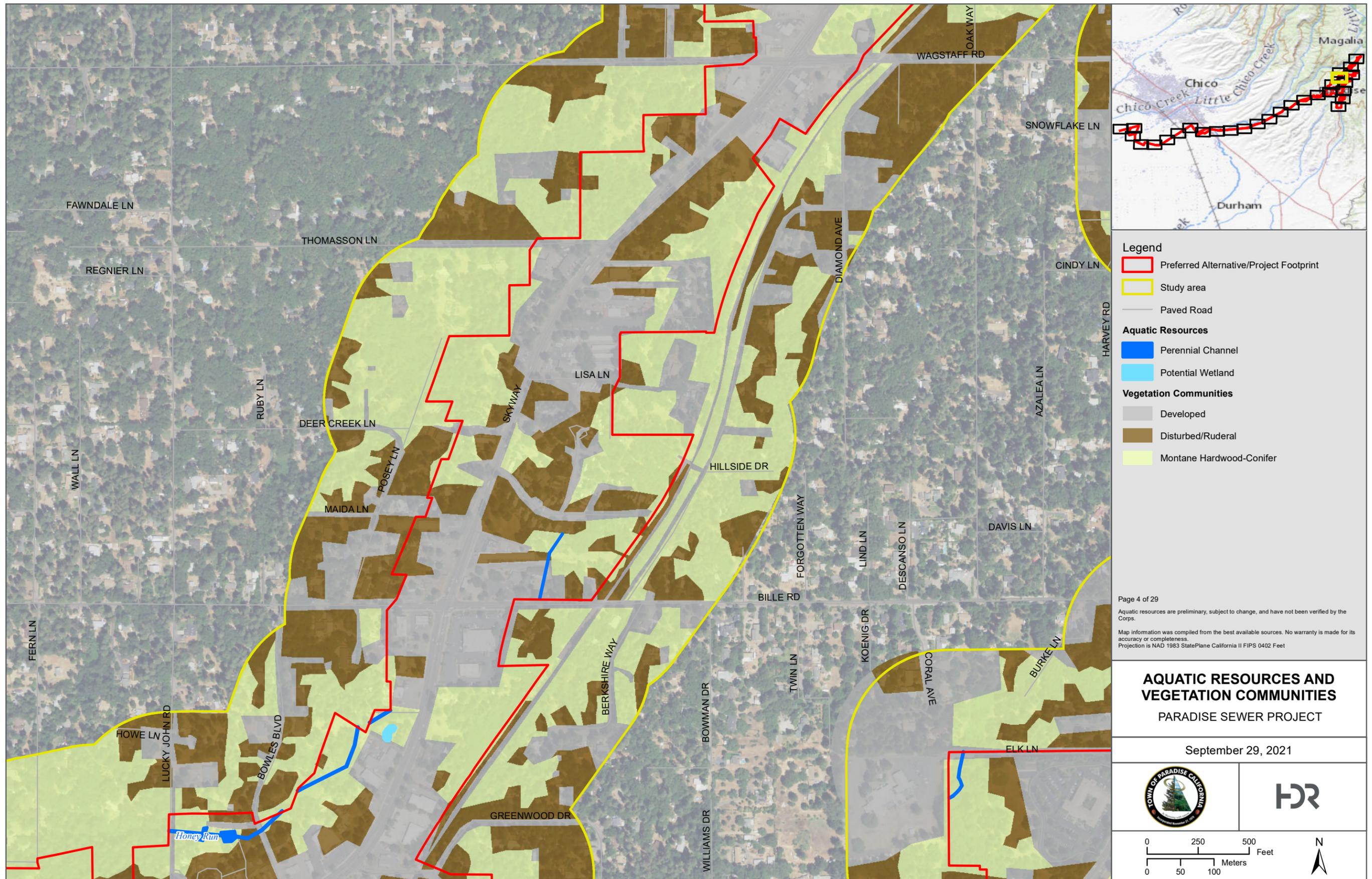
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Aquatic Resources

- Perennial Channel
- Potential Wetland

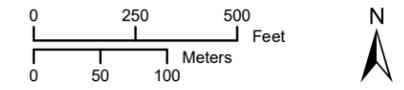
Vegetation Communities

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- Disturbed/Ruderal
- Montane Hardwood-Conifer

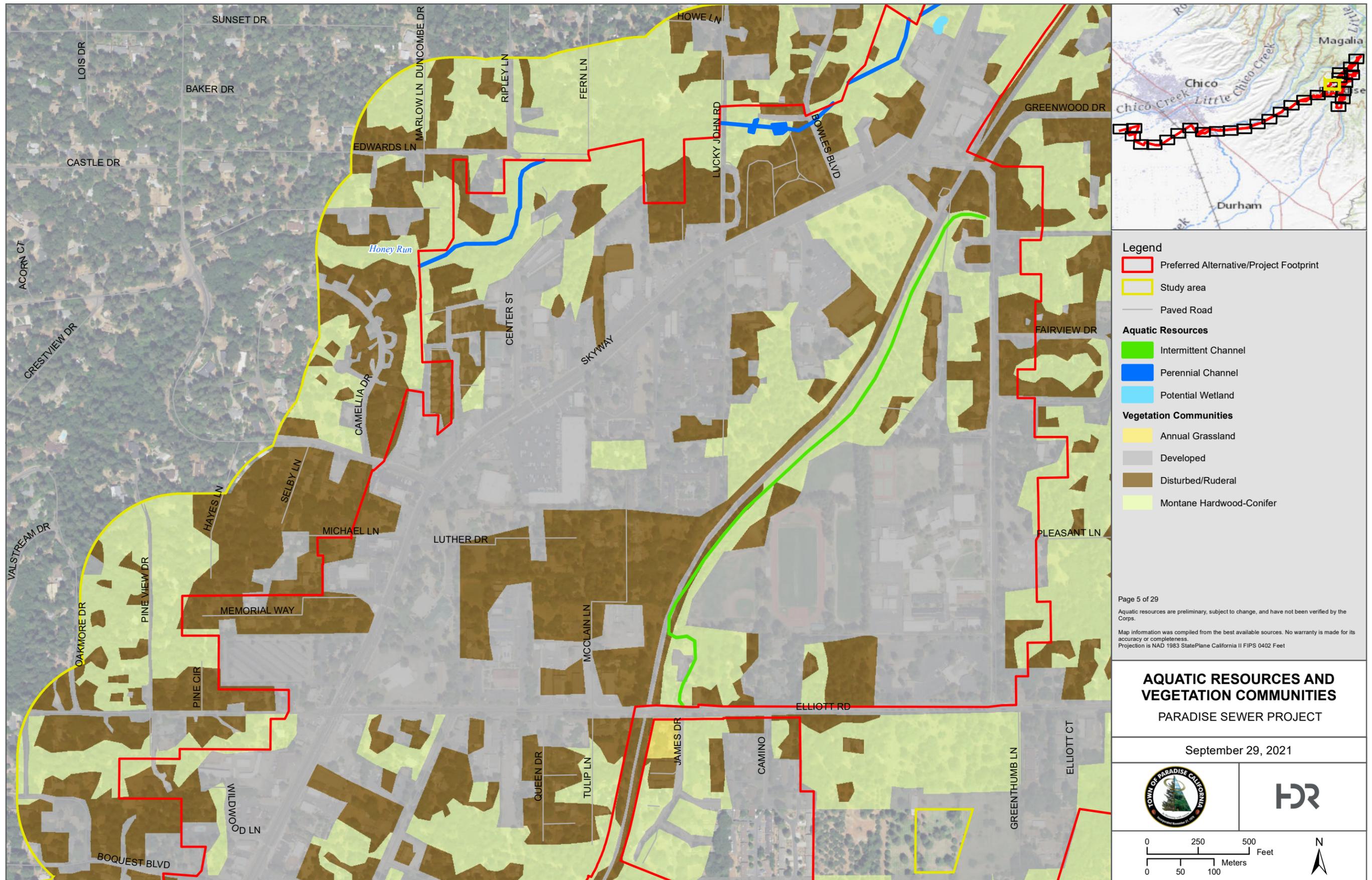
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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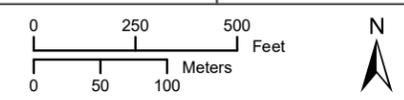


- Legend**
- Preferred Alternative/Project Footprint
 - Study area
 - Paved Road
- Aquatic Resources**
- Intermittent Channel
 - Perennial Channel
 - Potential Wetland
- Vegetation Communities**
- Annual Grassland
 - Developed
 - Disturbed/Ruderal
 - Montane Hardwood-Conifer

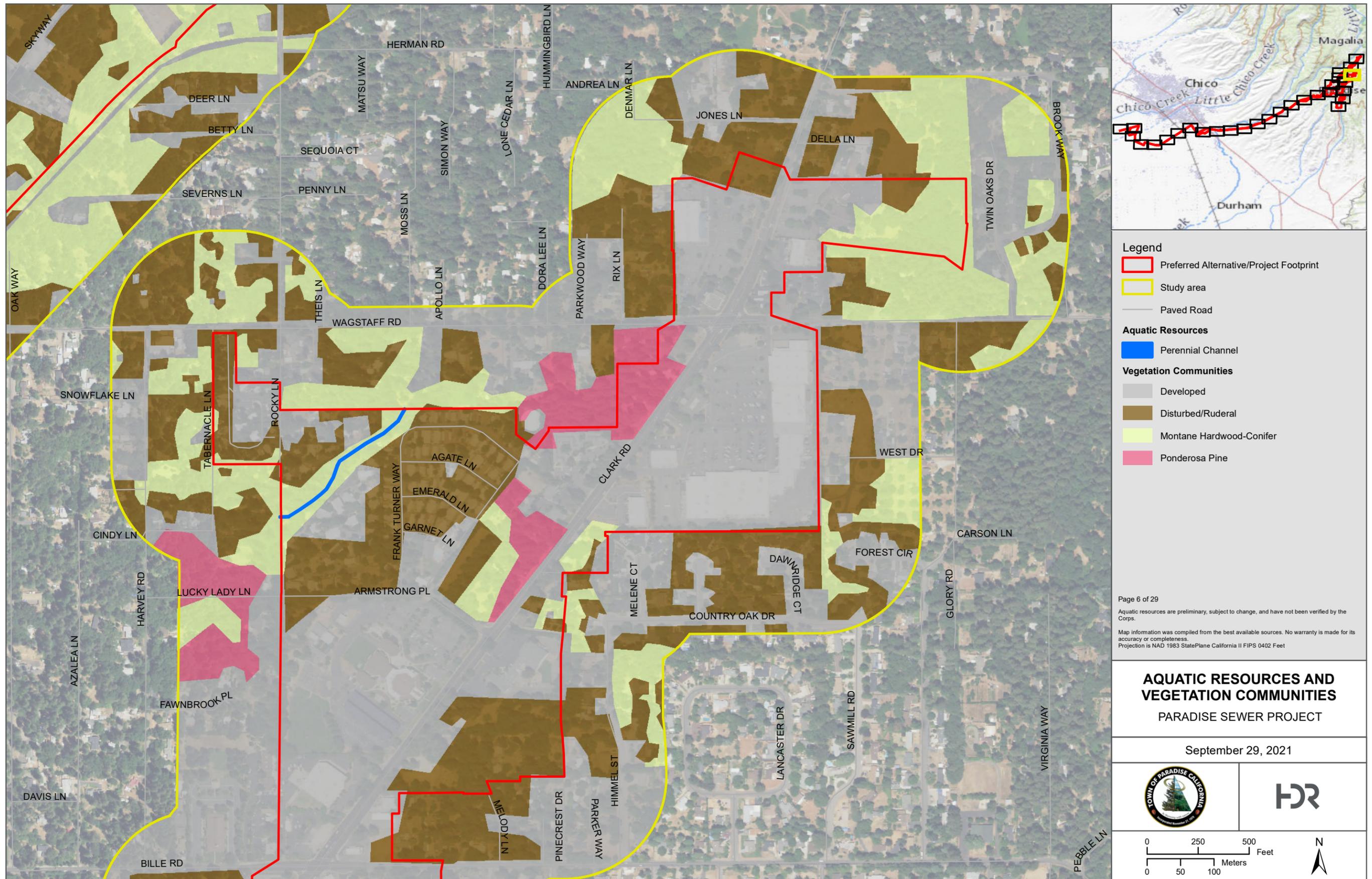
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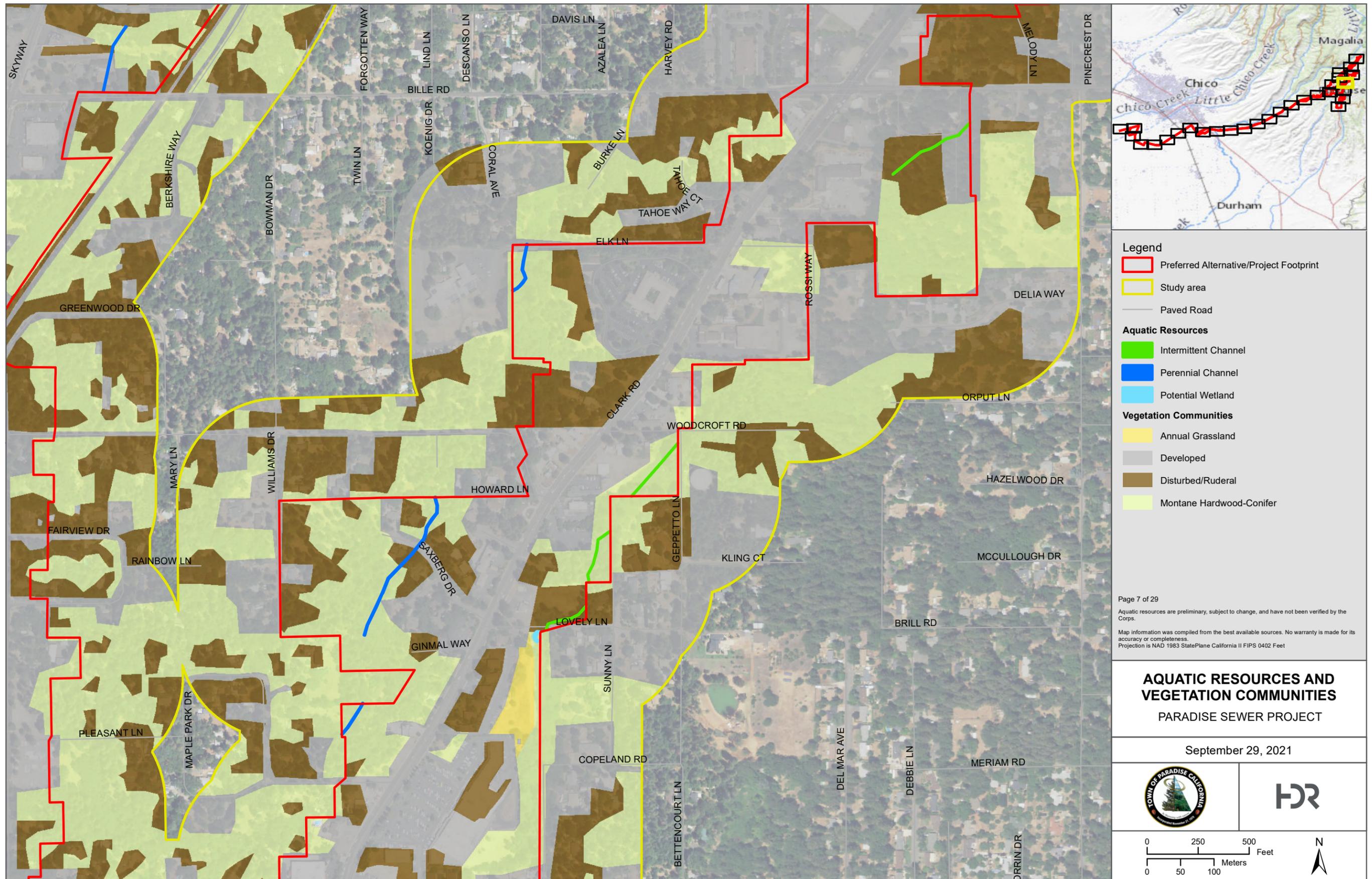
AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Aquatic Resources

- Intermittent Channel
- Perennial Channel
- Potential Wetland

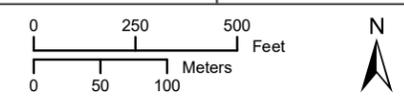
Vegetation Communities

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- Developed
- Disturbed/Ruderal
- Montane Hardwood-Conifer

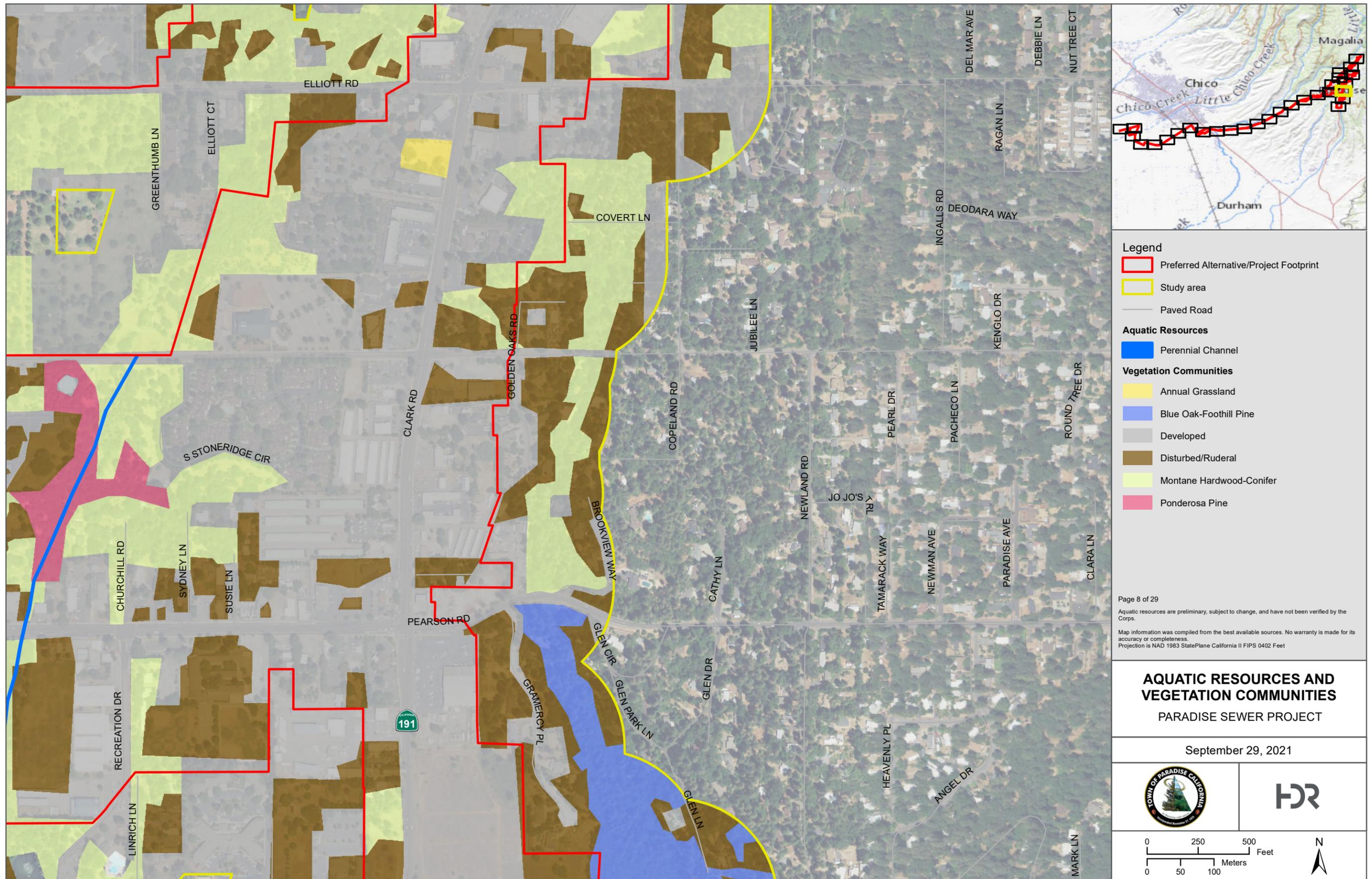
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Aquatic Resources

- Perennial Channel

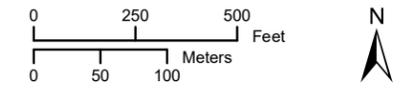
Vegetation Communities

- Annual Grassland
- Blue Oak-Foothill Pine
- Developed
- Disturbed/Ruderal
- Montane Hardwood-Conifer
- Ponderosa Pine

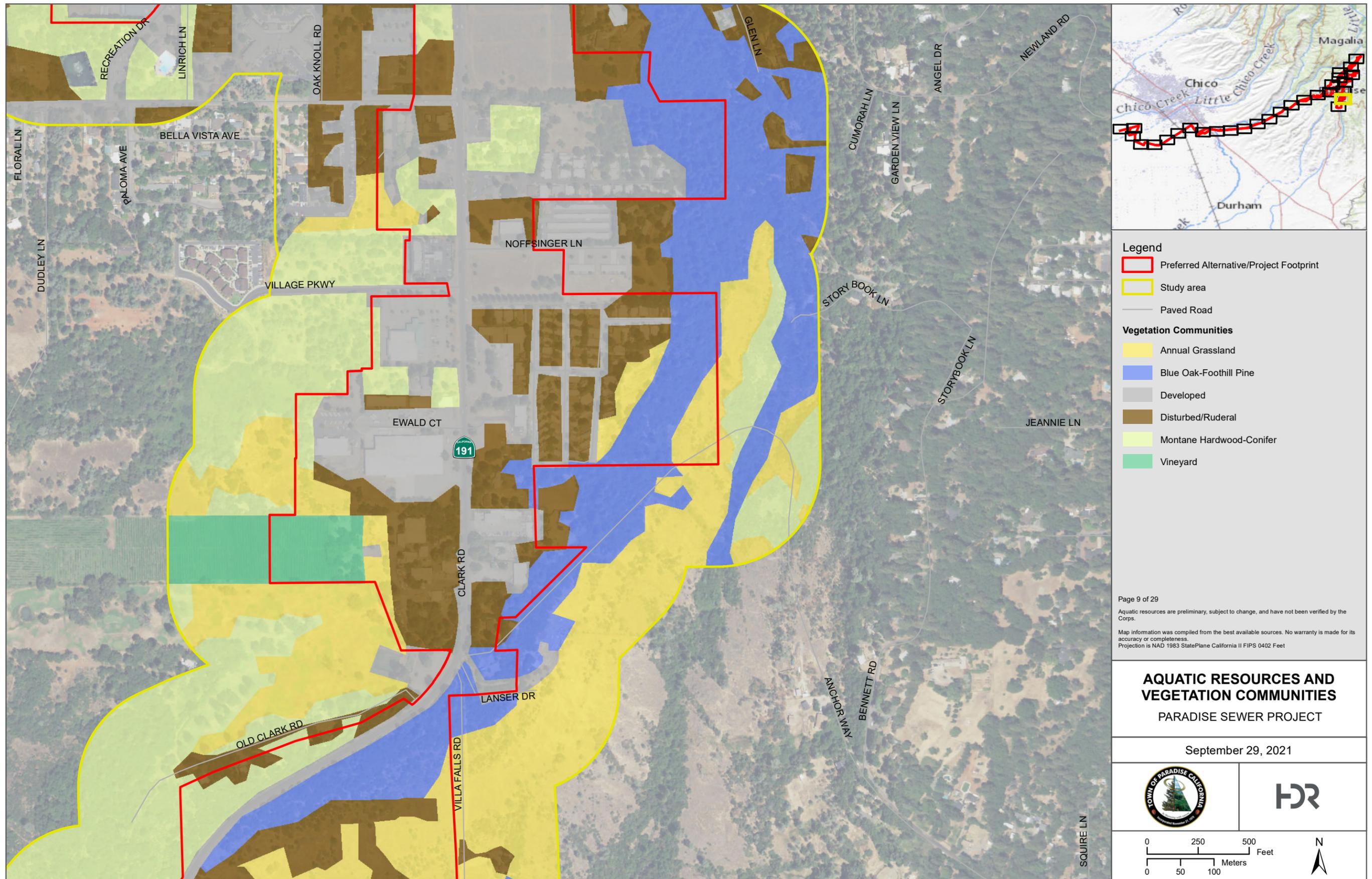
Page 8 of 29
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 Projection is NAD 1983 StatePlane California II FIPS 0402 Feet

AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

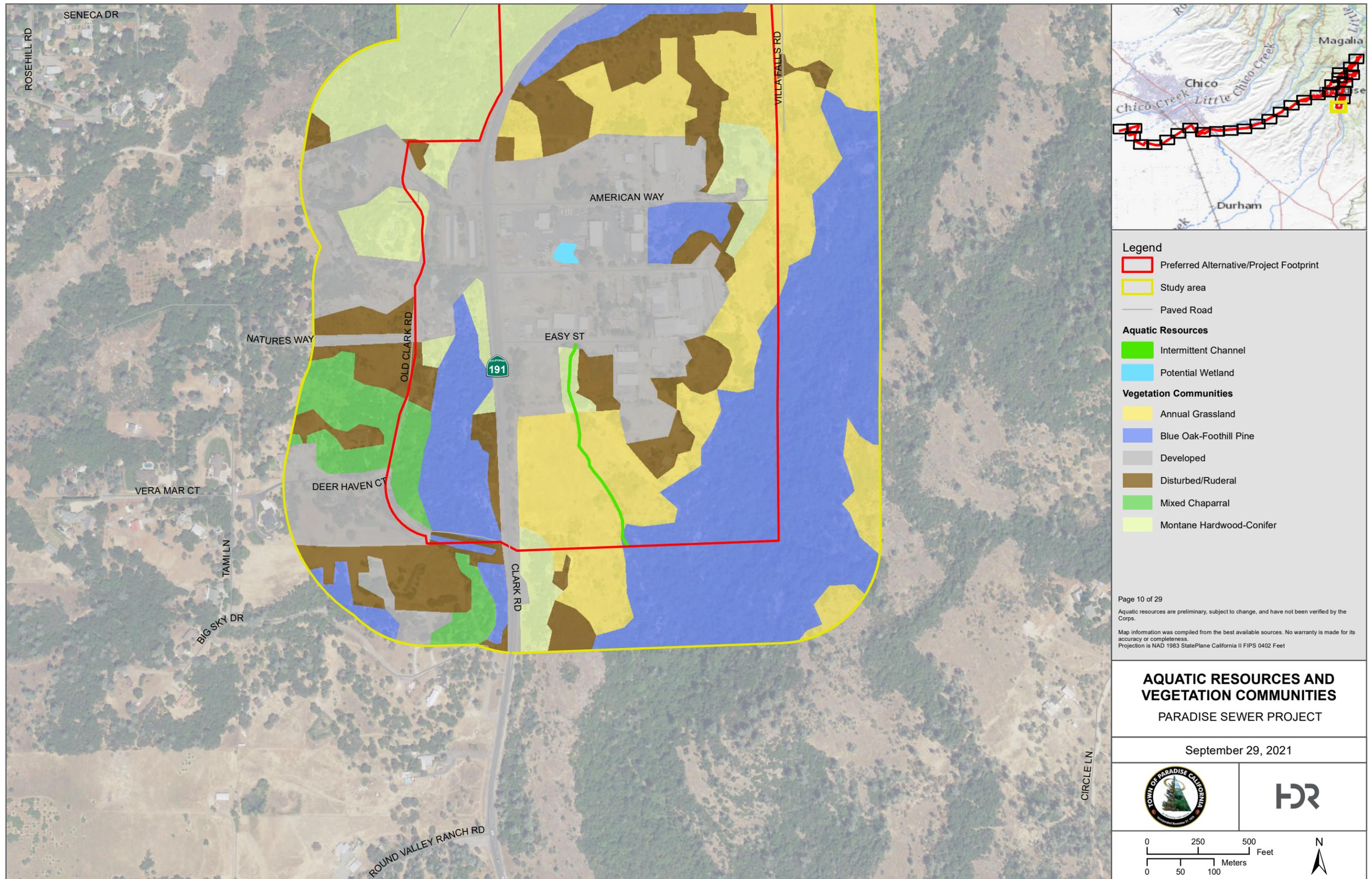
September 29, 2021



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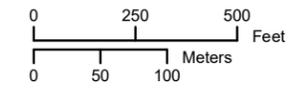
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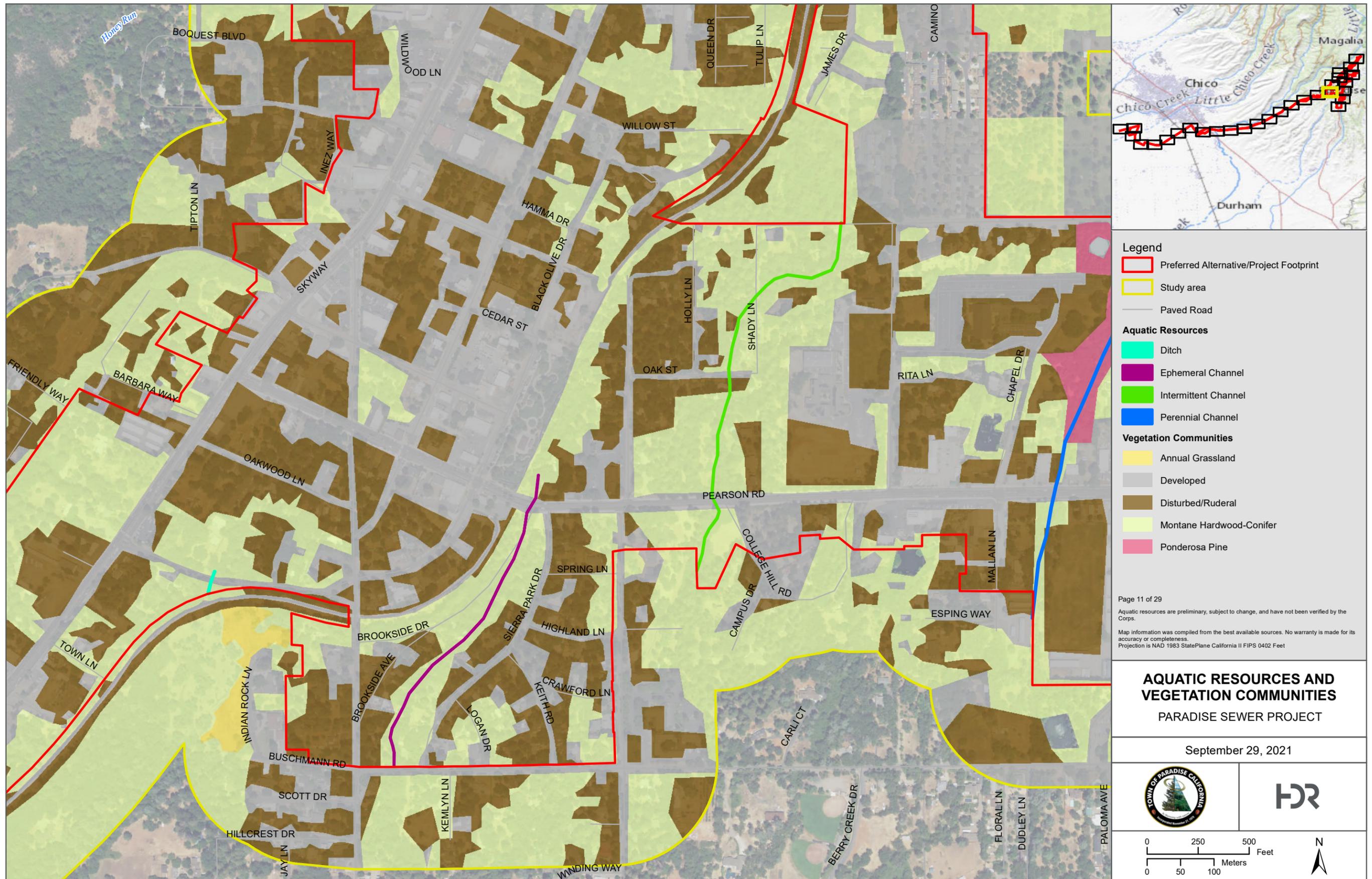


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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021





Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Aquatic Resources

- Ditch
- Ephemeral Channel
- Intermittent Channel
- Perennial Channel

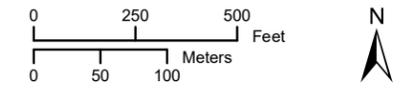
Vegetation Communities

- Annual Grassland
- Developed
- Disturbed/Ruderal
- Montane Hardwood-Conifer
- Ponderosa Pine

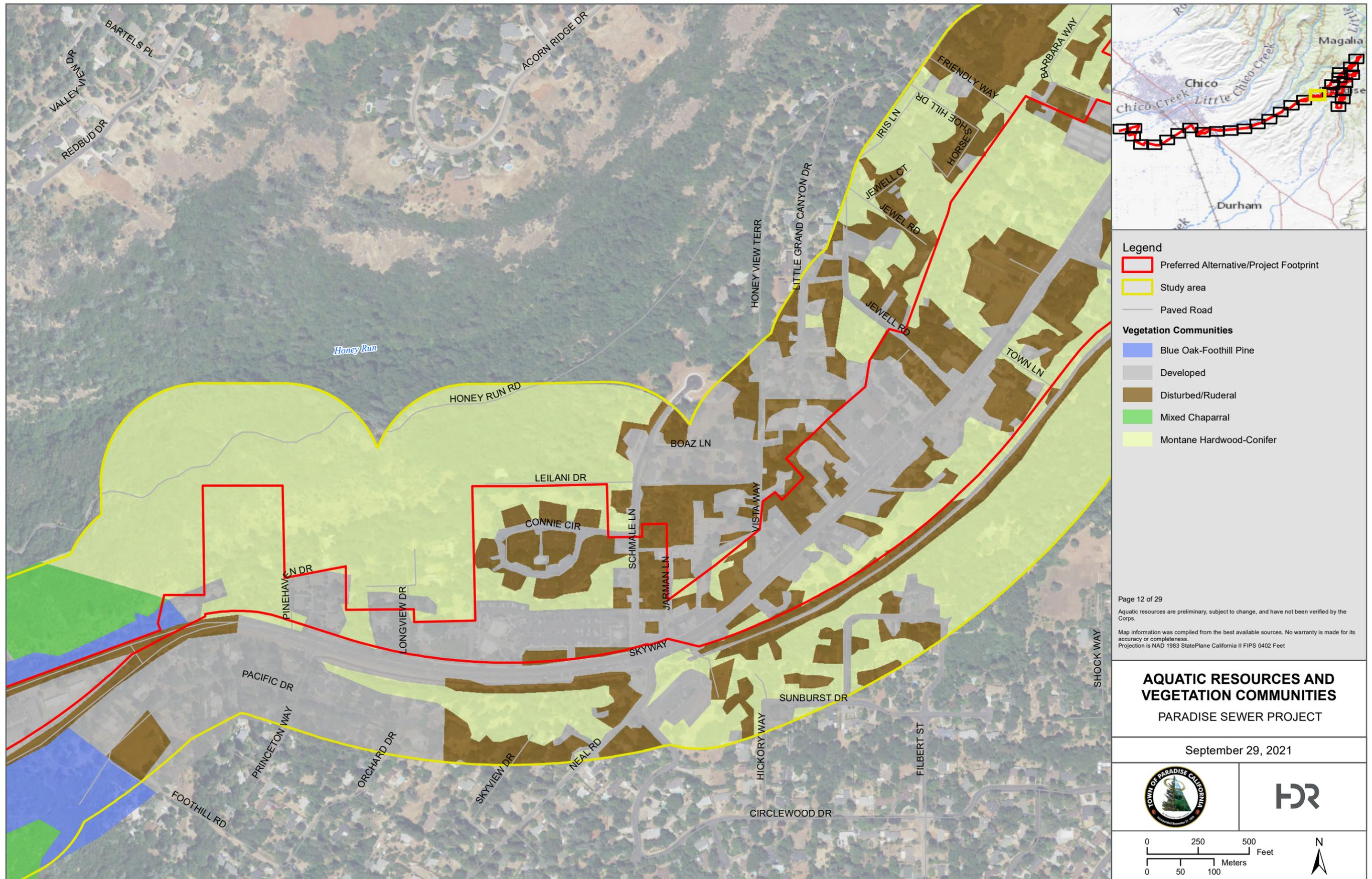
Page 11 of 29
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

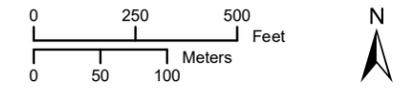
Vegetation Communities

- Blue Oak-Foothill Pine
- Developed
- Disturbed/Ruderal
- Mixed Chaparral
- Montane Hardwood-Conifer

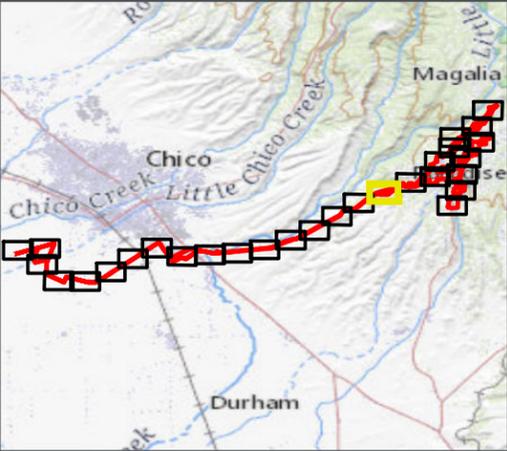
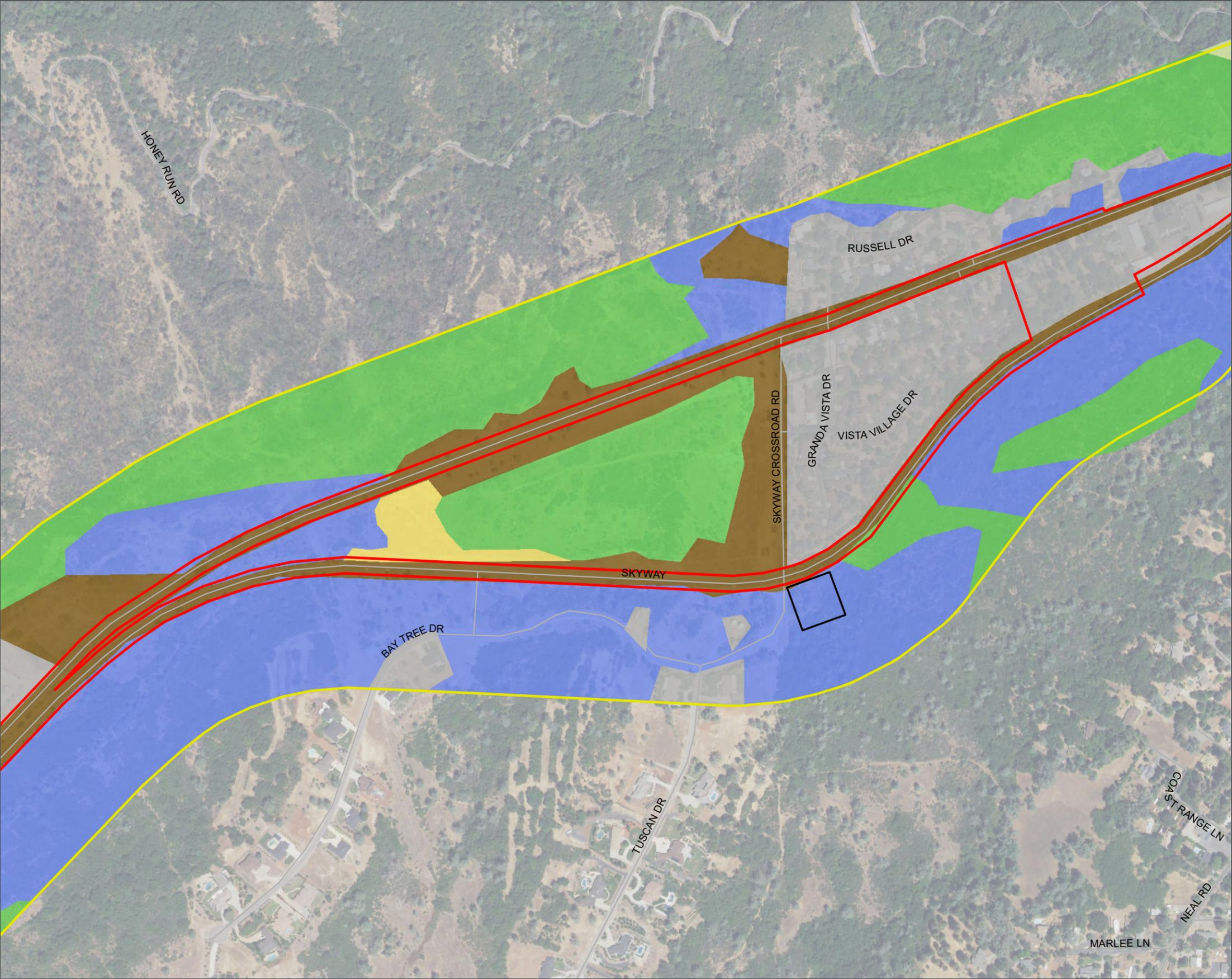
Page 12 of 29
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road
- Proposed Staging Area

Vegetation Communities

- Annual Grassland
- Blue Oak-Foothill Pine
- Developed
- Disturbed/Ruderal
- Mixed Chaparral
- Montane Hardwood-Conifer

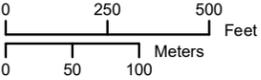
Page 13 of 29
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

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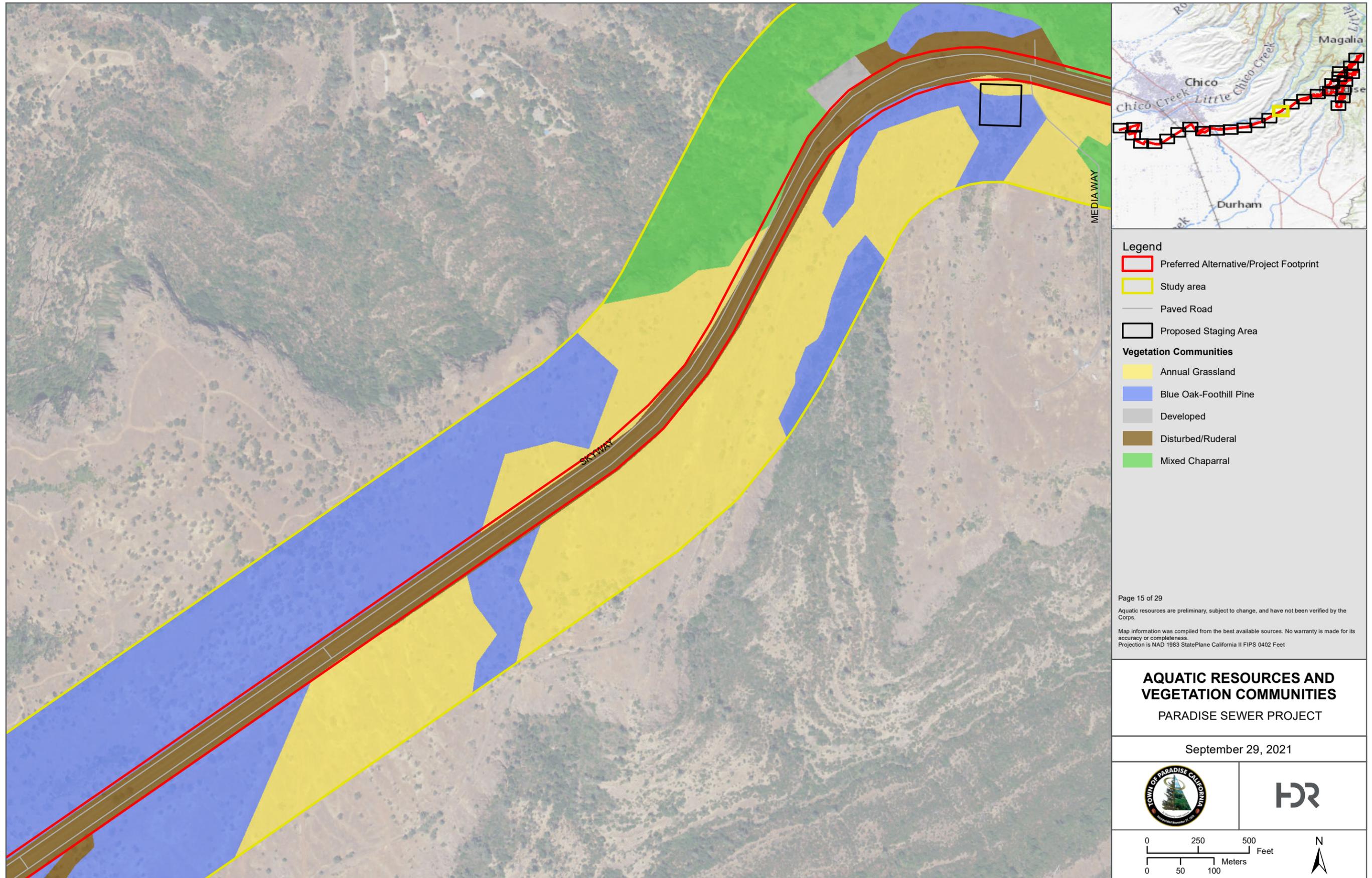








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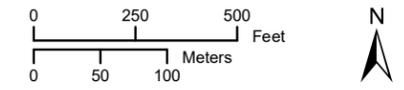


- Legend**
- Preferred Alternative/Project Footprint
 - Study area
 - Paved Road
 - Proposed Staging Area
- Vegetation Communities**
- Annual Grassland
 - Blue Oak-Foothill Pine
 - Developed
 - Disturbed/Ruderal
 - Mixed Chaparral

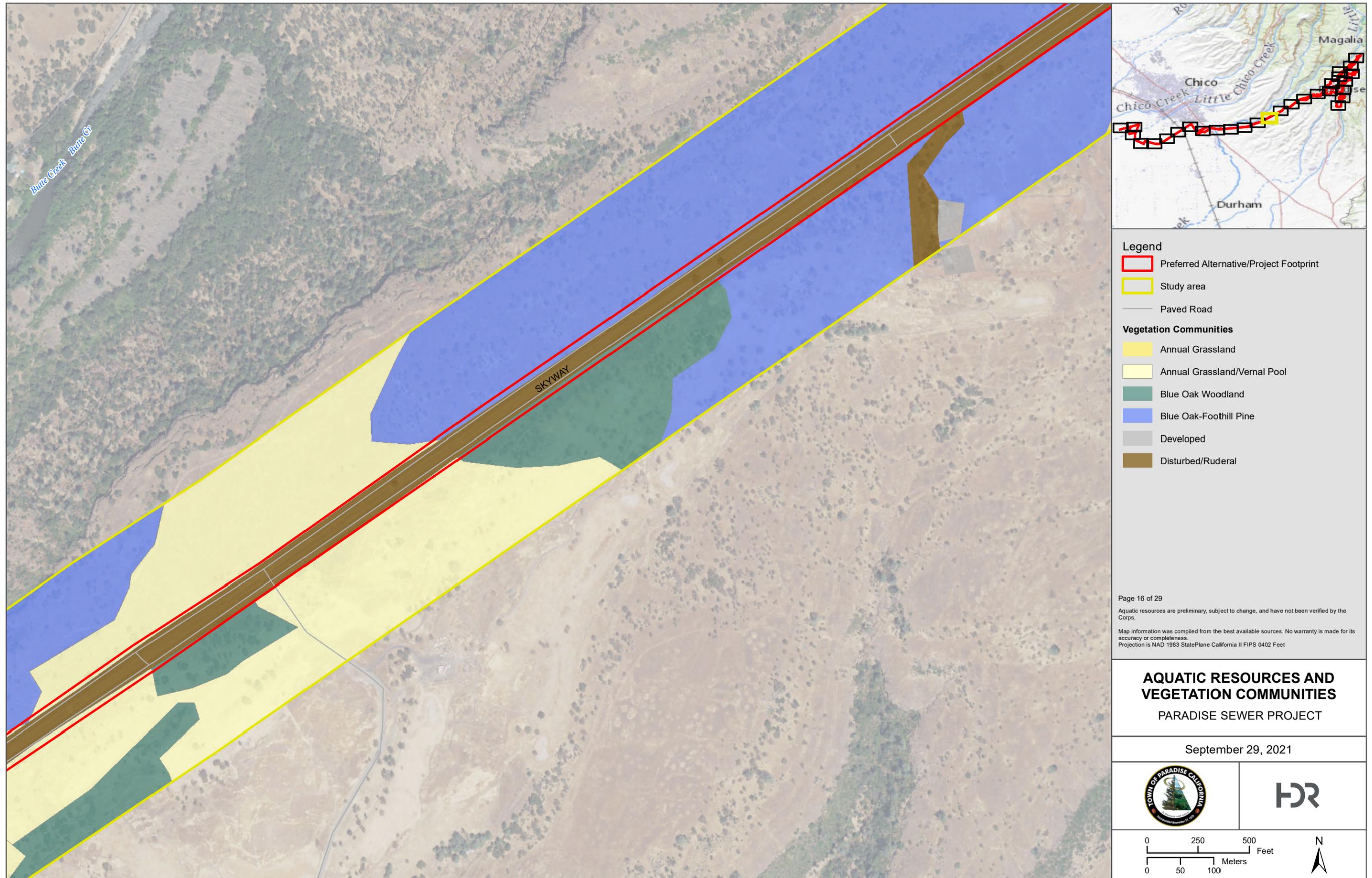
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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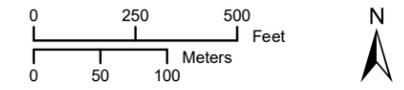


- Legend**
- Preferred Alternative/Project Footprint
 - Study area
 - Paved Road
- Vegetation Communities**
- Annual Grassland
 - Annual Grassland/Vernal Pool
 - Blue Oak Woodland
 - Blue Oak-Foothill Pine
 - Developed
 - Disturbed/Ruderal

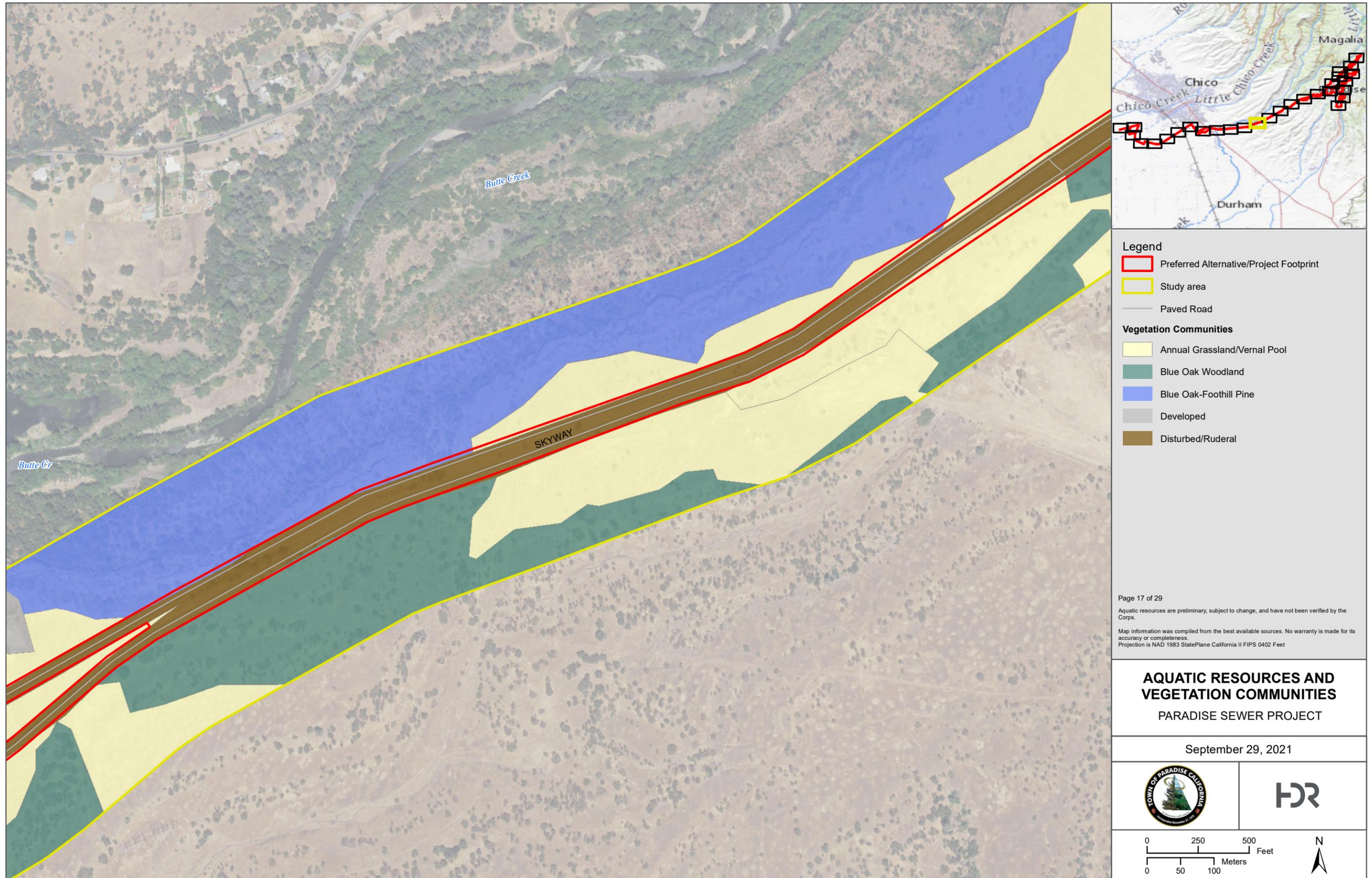
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



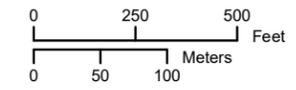
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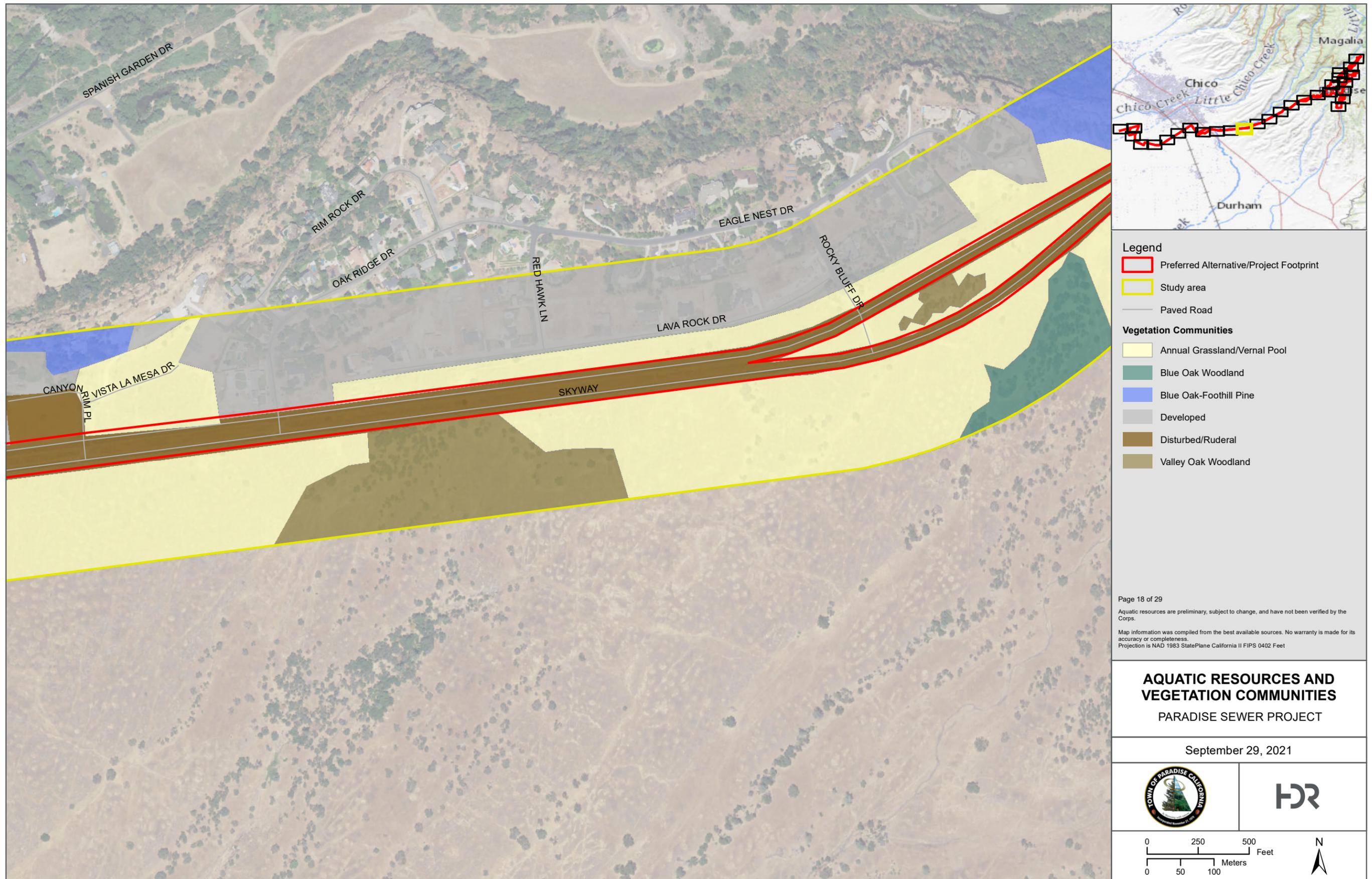
Page 17 of 29
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



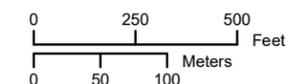
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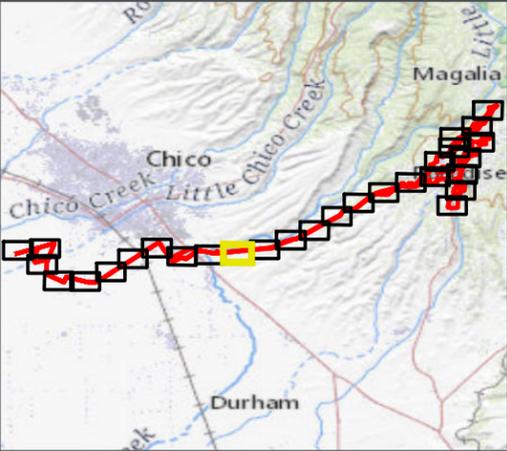
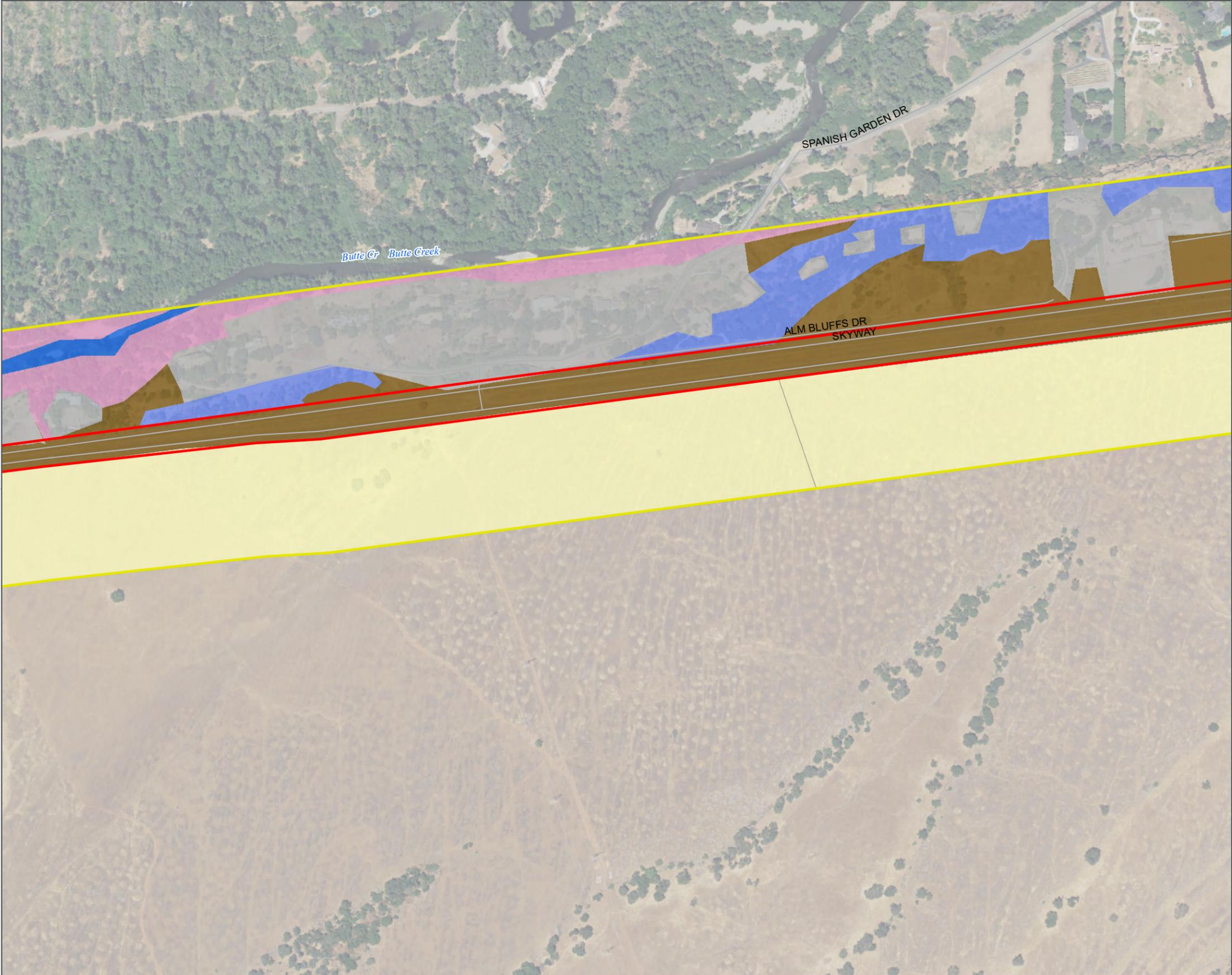


AQUATIC RESOURCES AND VEGETATION COMMUNITIES

PARADISE SEWER PROJECT

September 29, 2021





Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Vegetation Communities

- Annual Grassland/Vernal Pool
- Blue Oak-Foothill Pine
- Developed
- Disturbed/Ruderal
- Valley Foothill Riparian
- Water

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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



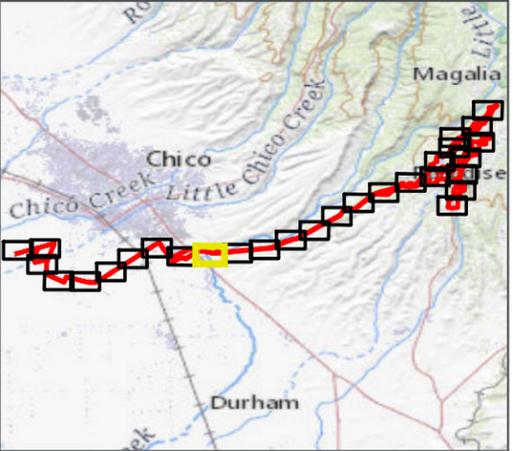
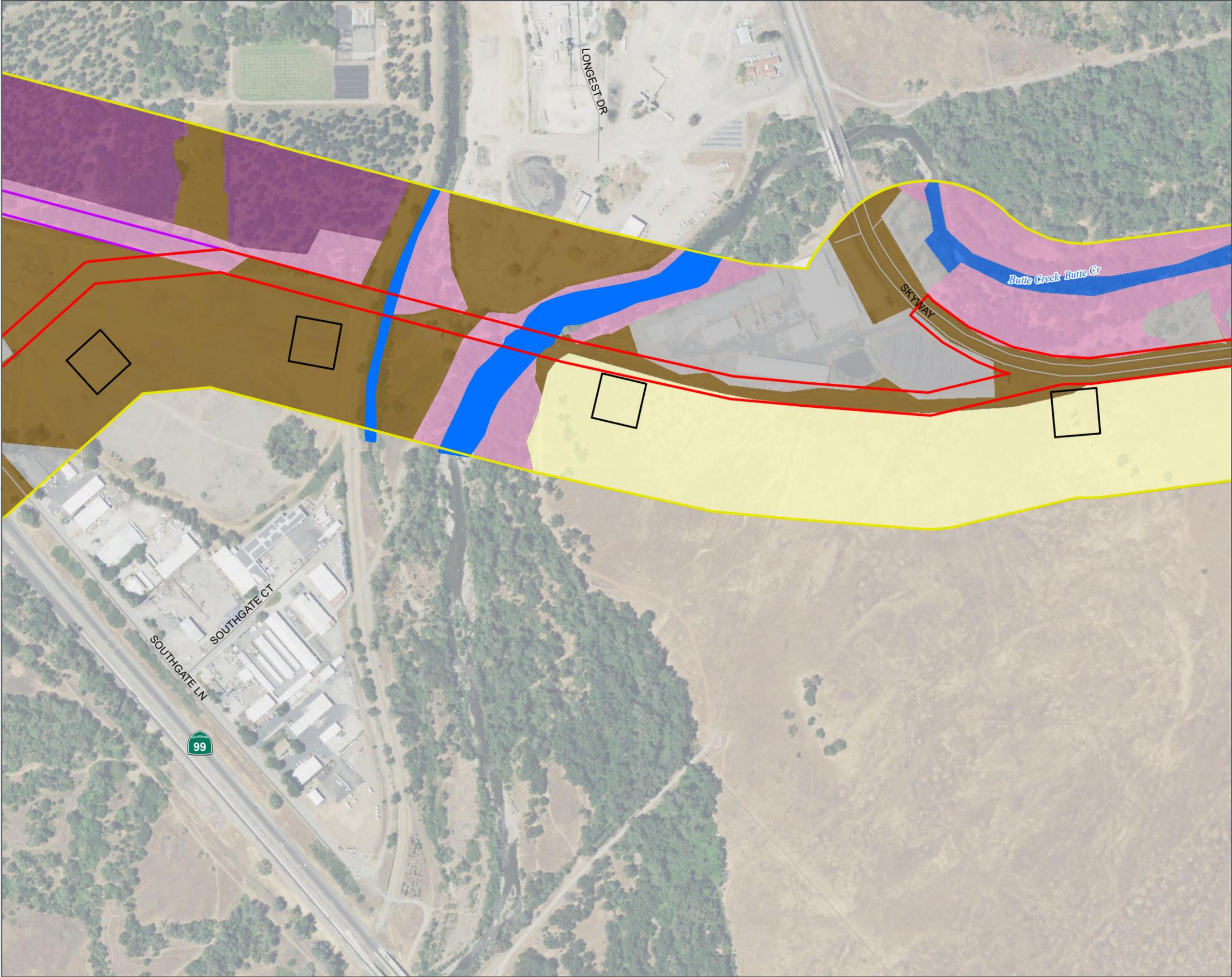

0 250 500 Feet

0 50 100 Meters

N



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- Legend**
- Preferred Alternative/Project Footprint
 - Norfield Ave Alternative
 - Study area
 - Paved Road
 - Proposed Staging Area
- Aquatic Resources**
- Perennial Channel
- Vegetation Communities**
- Annual Grassland/Vernal Pool
 - Developed
 - Disturbed/Ruderal
 - Non-native Woodland
 - Valley Foothill Riparian
 - Water

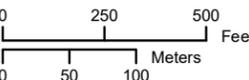
Page 20 of 29
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021

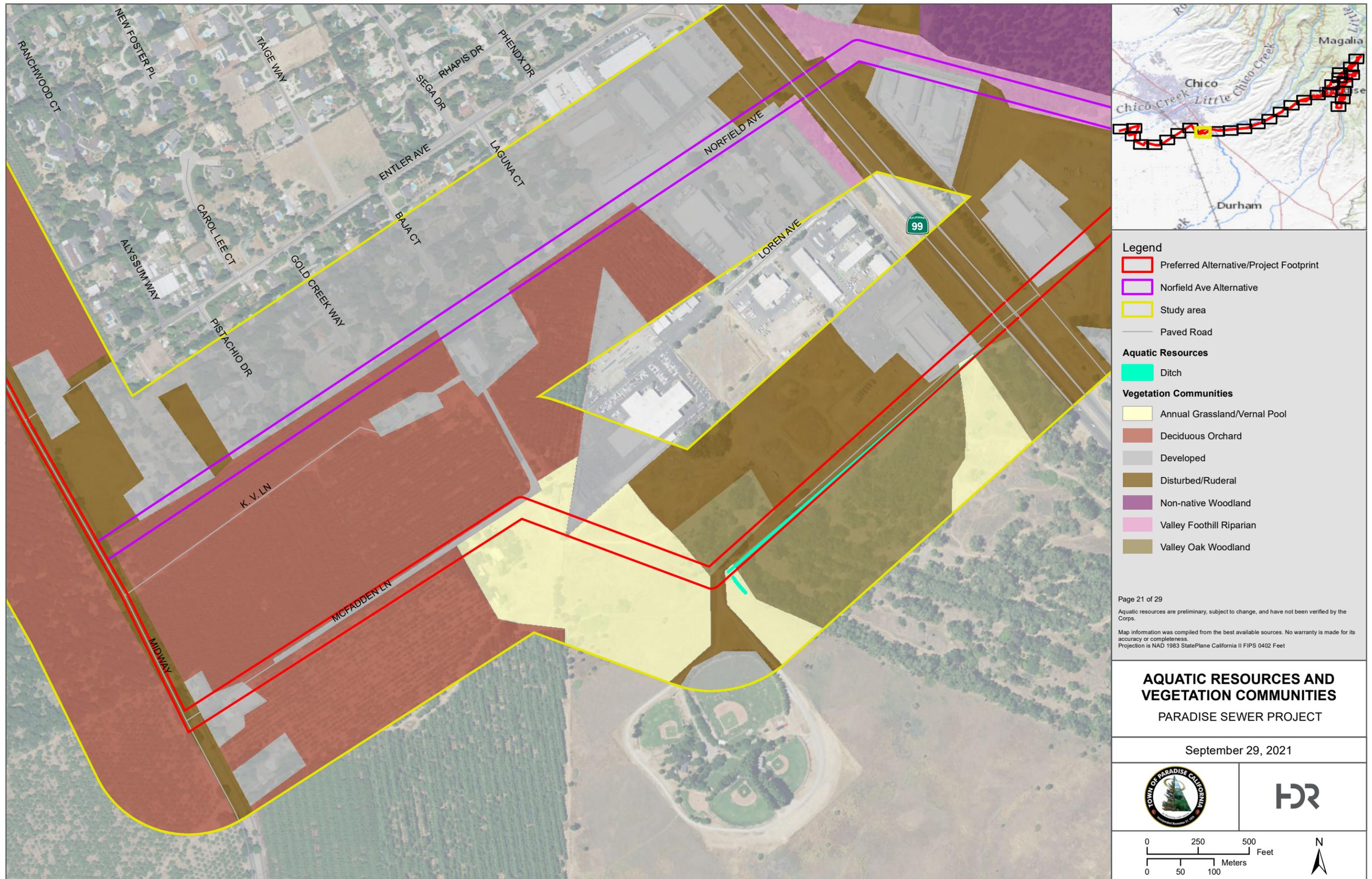








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Legend

- Preferred Alternative/Project Footprint
- Norfield Ave Alternative
- Study area
- Paved Road

Aquatic Resources

- Ditch

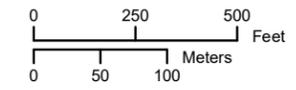
Vegetation Communities

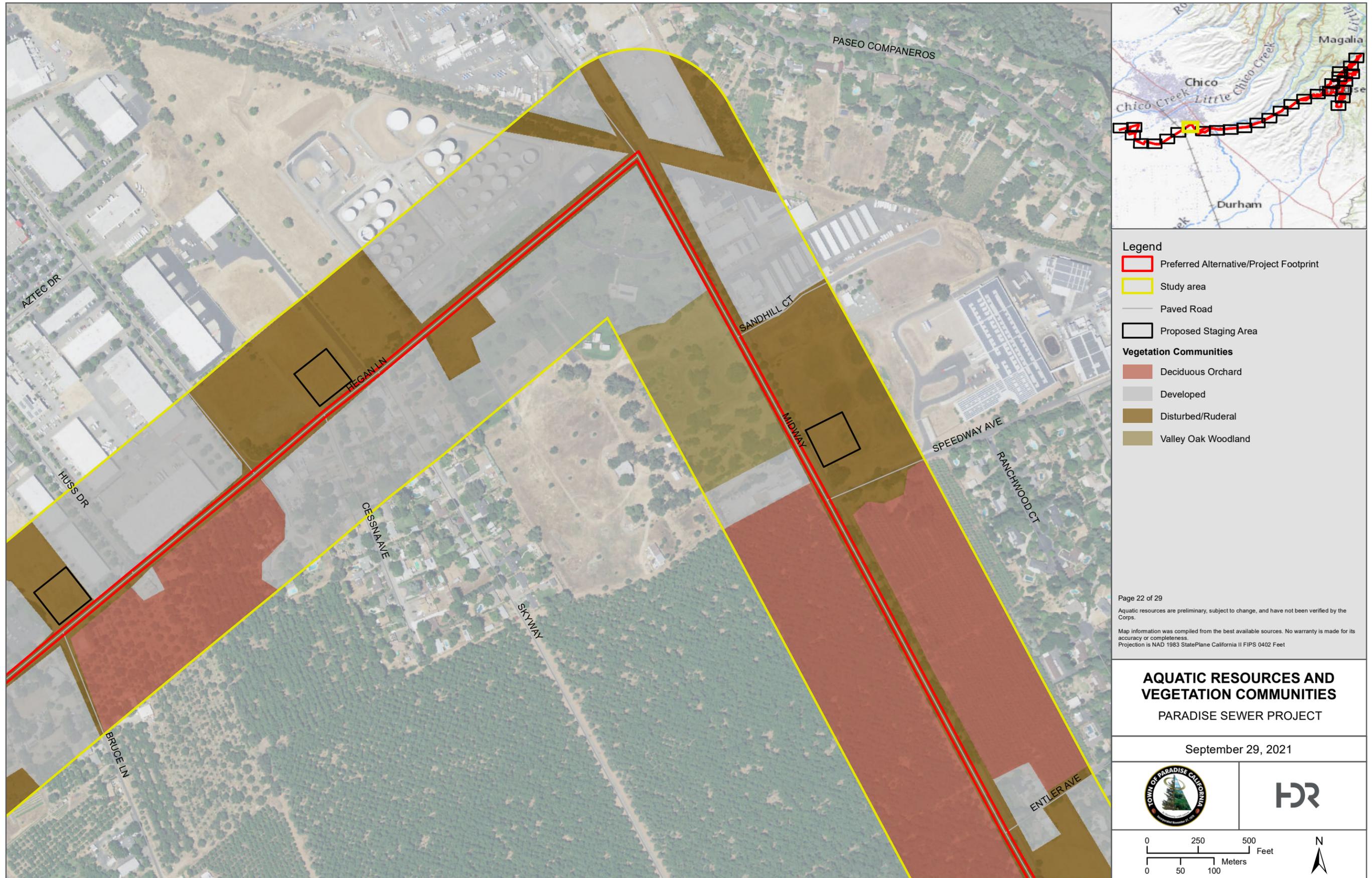
- Annual Grassland/Vernal Pool
- Deciduous Orchard
- Developed
- Disturbed/Ruderal
- Non-native Woodland
- Valley Foothill Riparian
- Valley Oak Woodland

Page 21 of 29
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021





Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road
- Proposed Staging Area

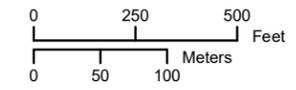
Vegetation Communities

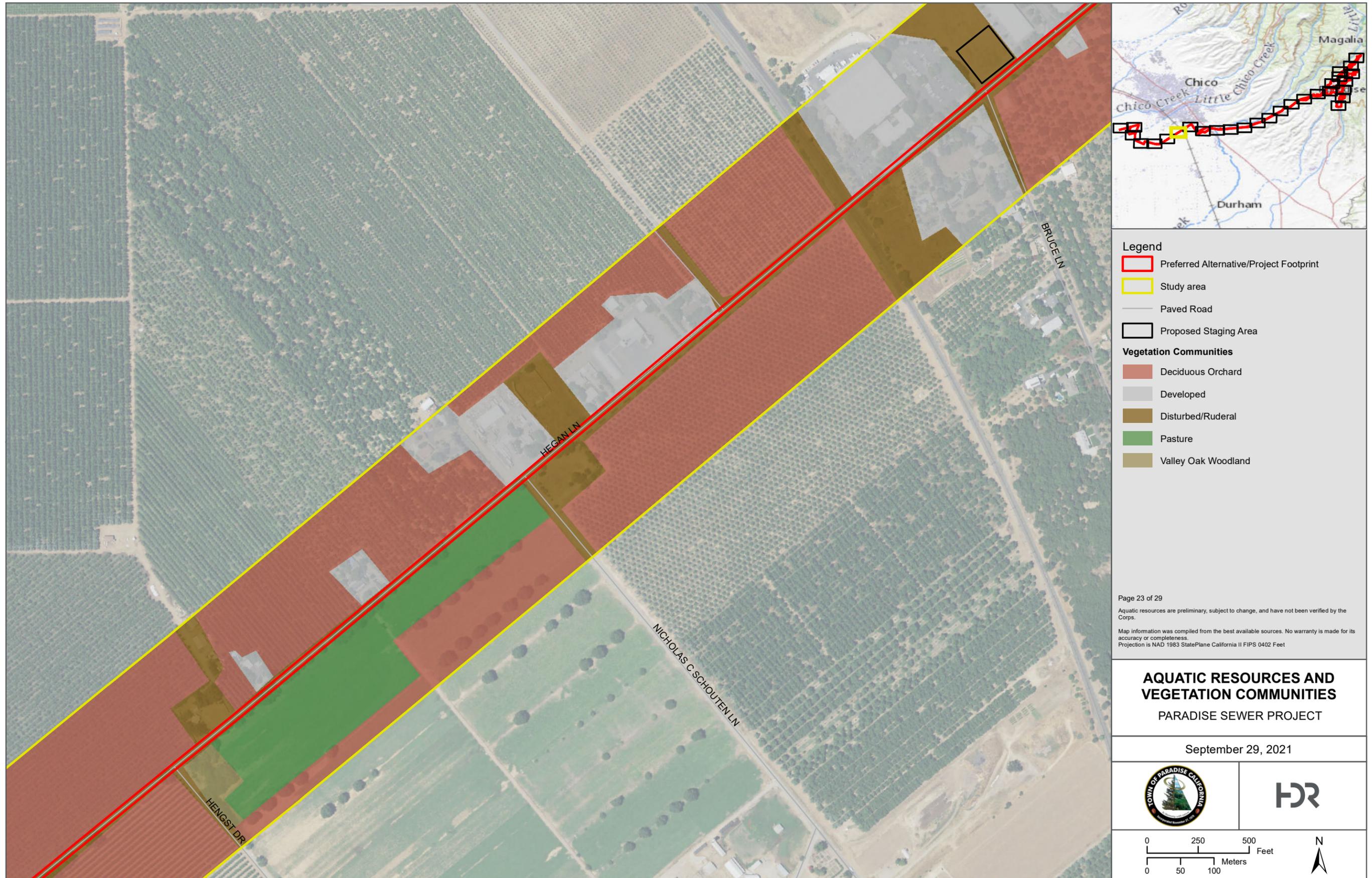
- Deciduous Orchard
- Developed
- Disturbed/Ruderal
- Valley Oak Woodland

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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021





Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road
- Proposed Staging Area

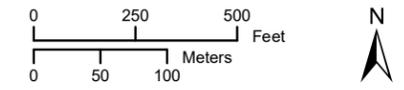
Vegetation Communities

- Deciduous Orchard
- Developed
- Disturbed/Ruderal
- Pasture
- Valley Oak Woodland

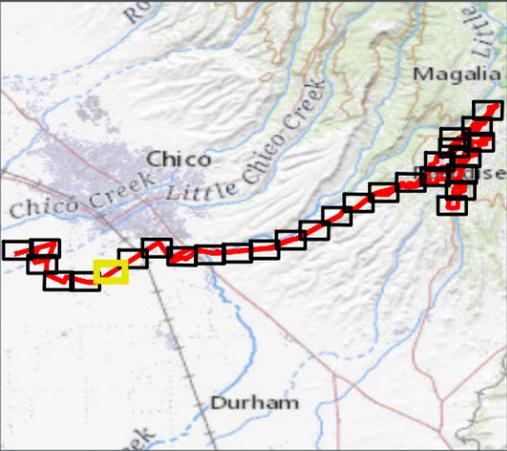
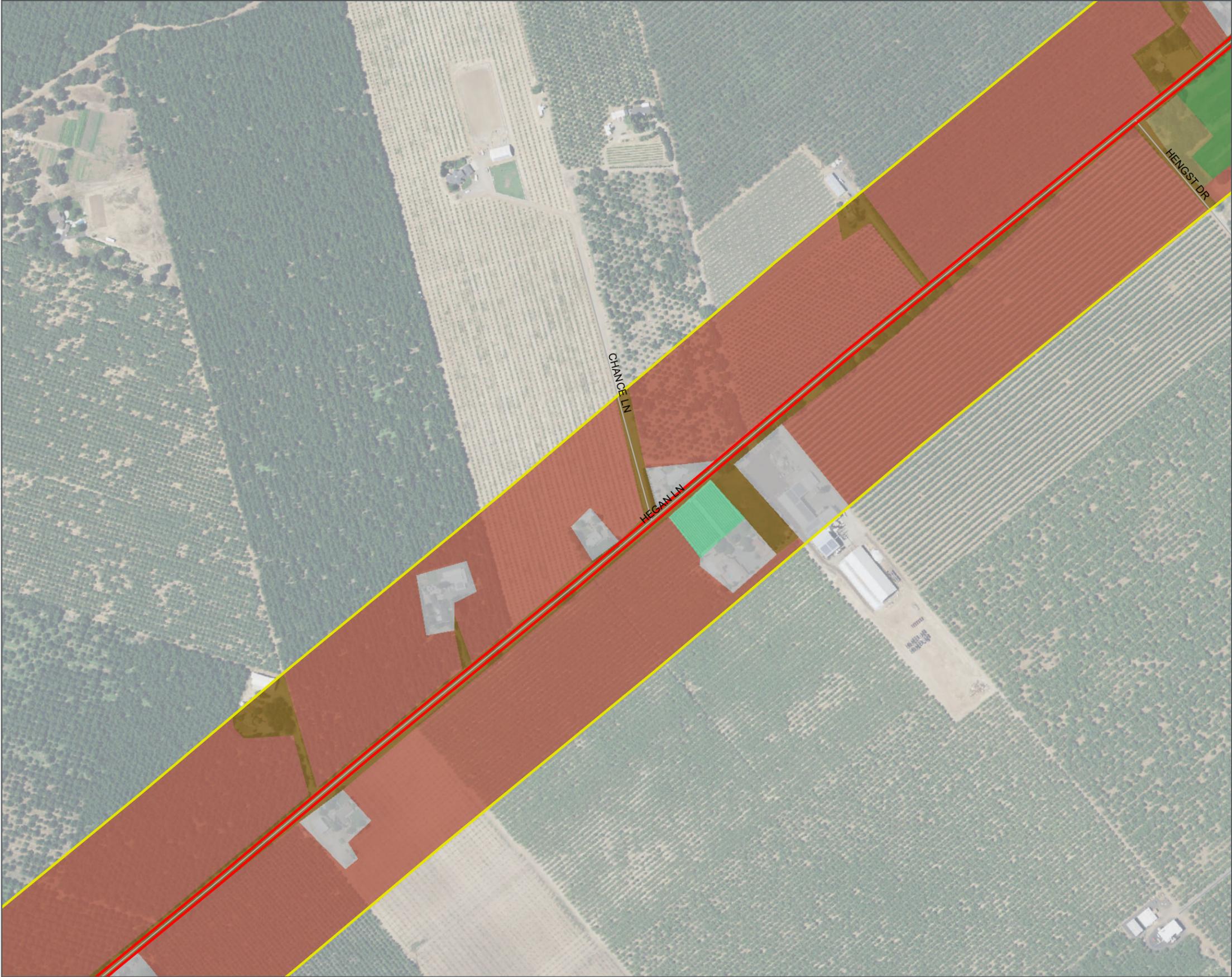
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Vegetation Communities

- Deciduous Orchard
- Developed
- Disturbed/Ruderal
- Pasture
- Valley Oak Woodland
- Vineyard

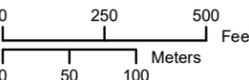
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021

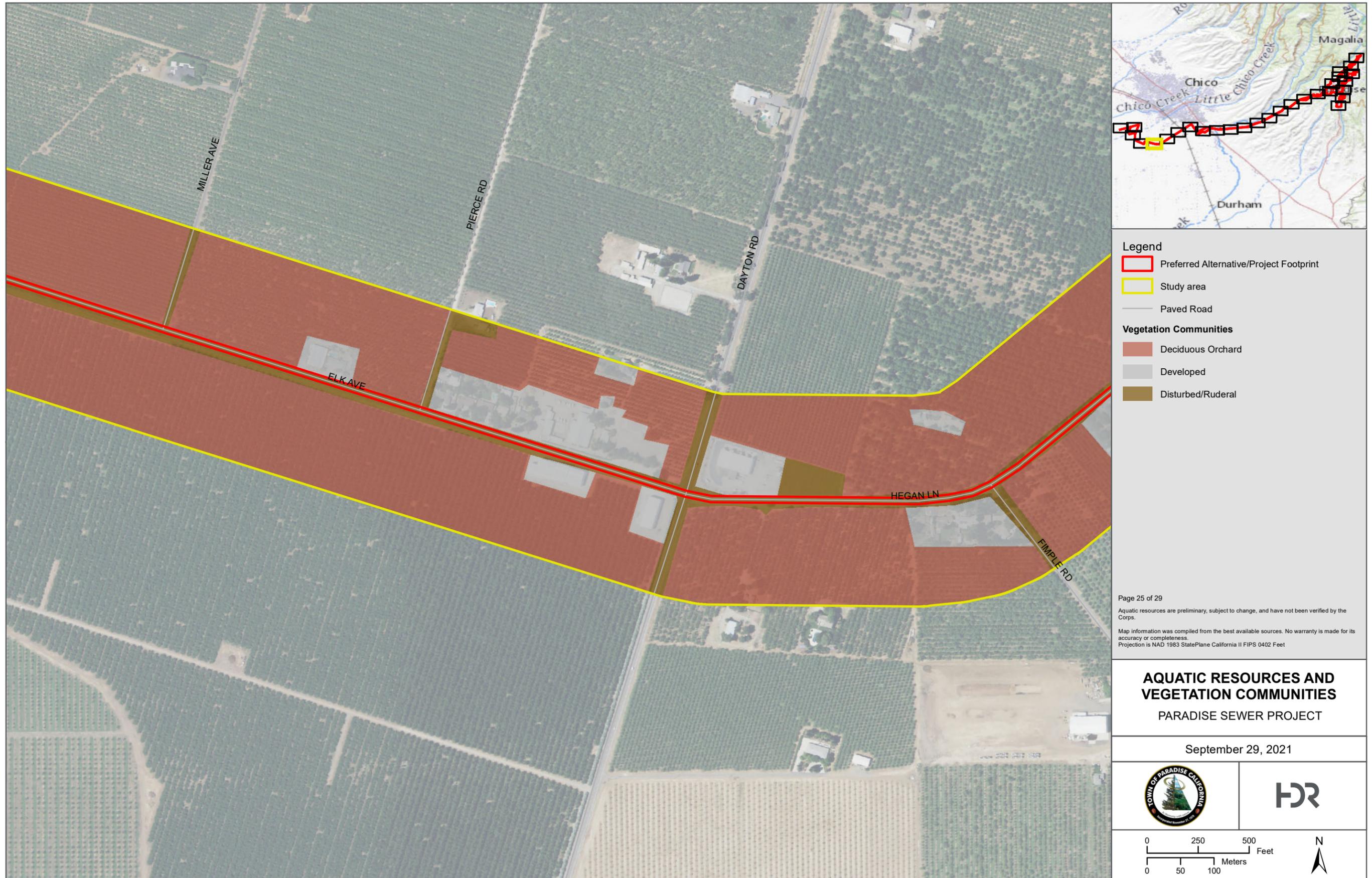








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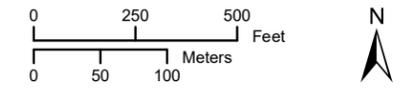


- Legend**
- Preferred Alternative/Project Footprint
 - Study area
 - Paved Road
- Aquatic Resources**
- Ditch
 - Perennial Channel
- Vegetation Communities**
- Deciduous Orchard
 - Developed
 - Disturbed/Ruderal
 - Valley Foothill Riparian

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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road

Aquatic Resources

- Intermittent Channel

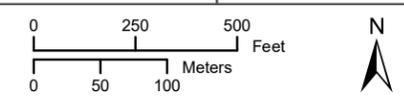
Vegetation Communities

- Cropland
- Deciduous Orchard
- Developed
- Disturbed/Ruderal
- Valley Foothill Riparian

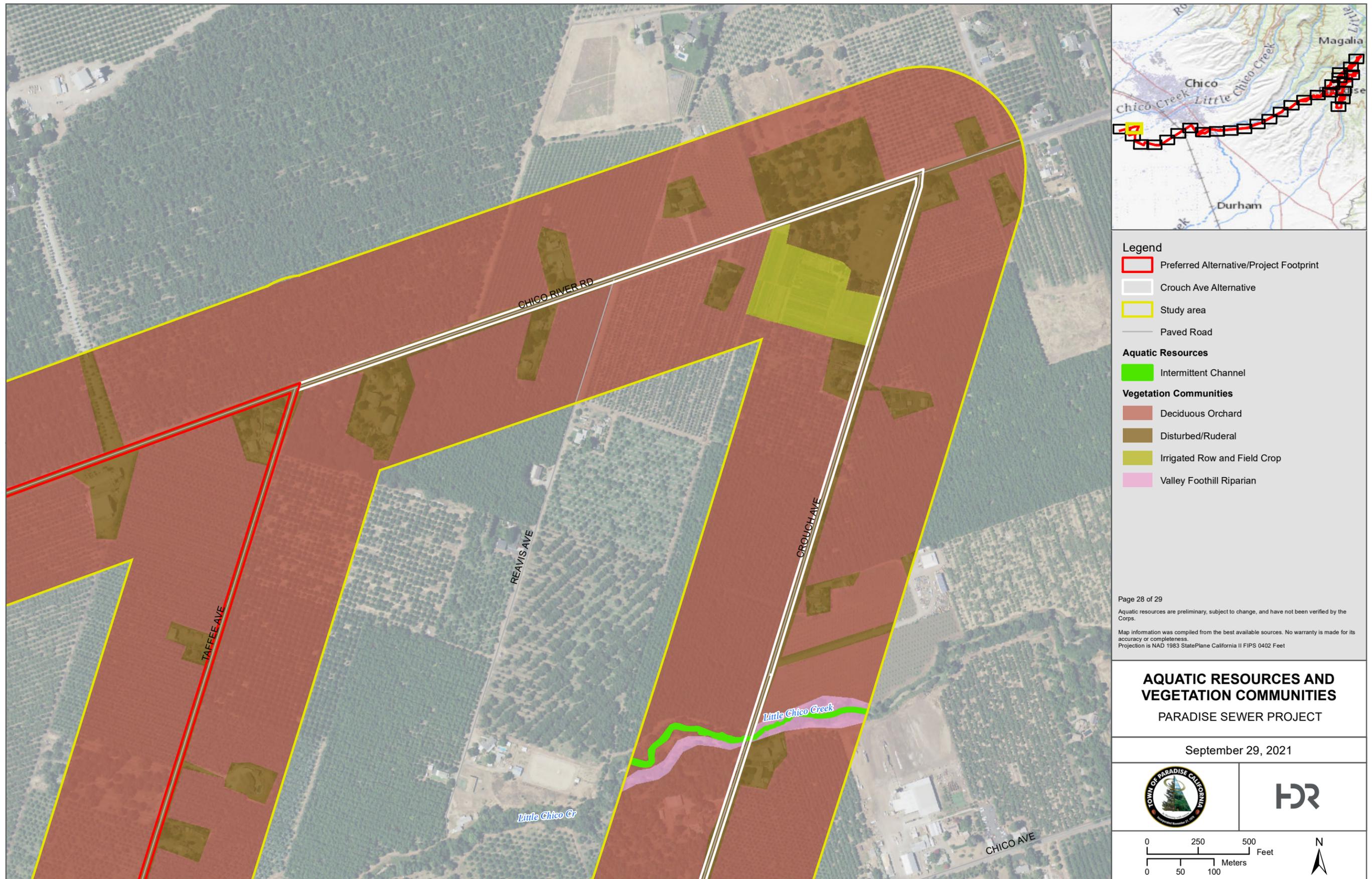
Page 27 of 29
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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Crouch Ave Alternative
- Study area
- Paved Road

Aquatic Resources

- Intermittent Channel

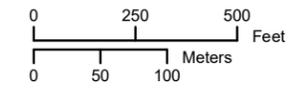
Vegetation Communities

- Deciduous Orchard
- Disturbed/Ruderal
- Irrigated Row and Field Crop
- Valley Foothill Riparian

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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021



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Legend

- Preferred Alternative/Project Footprint
- Study area
- Paved Road
- Proposed Staging Area

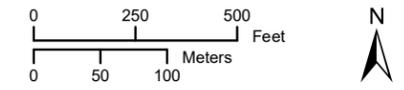
Vegetation Communities

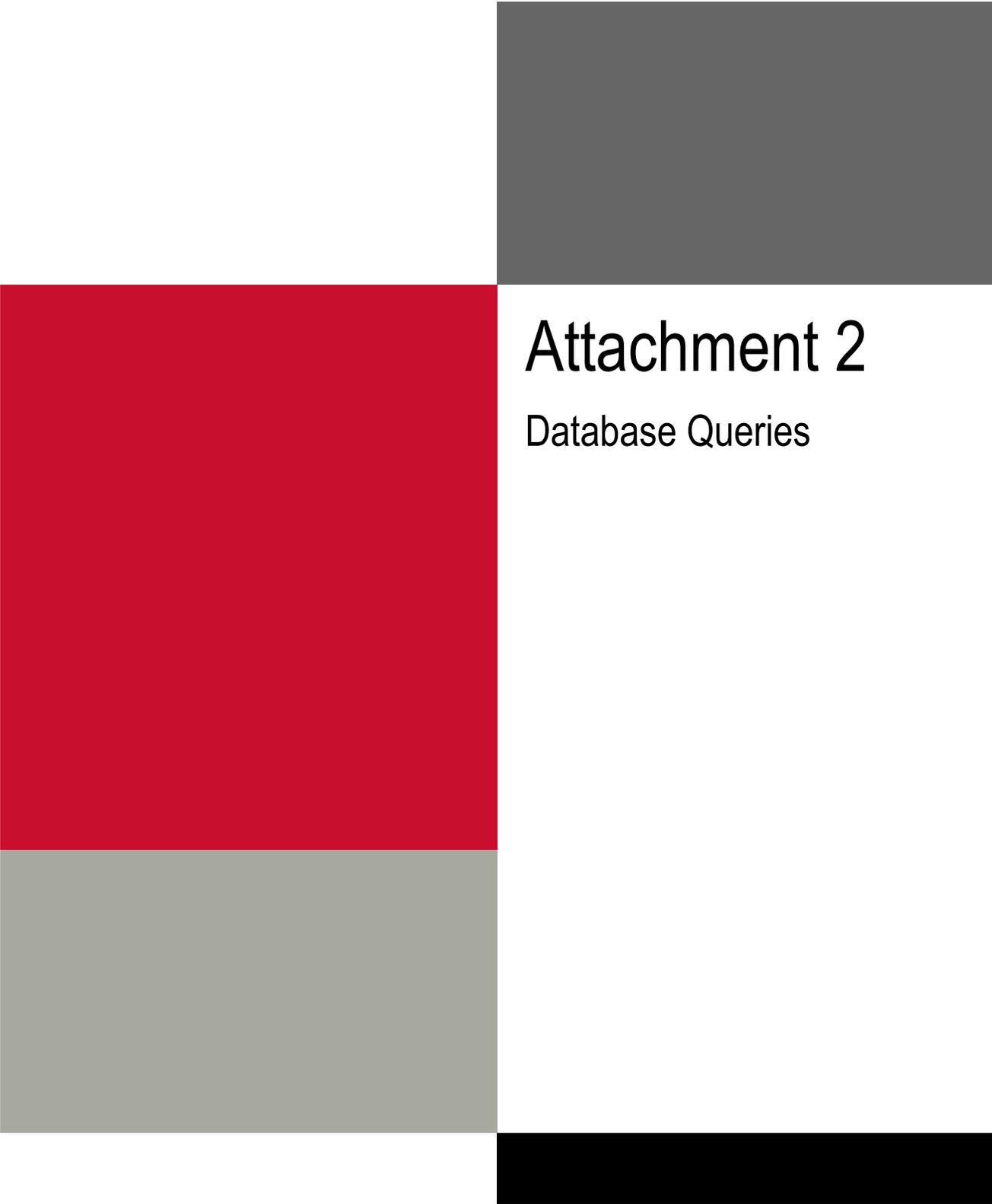
- Deciduous Orchard
- Disturbed/Ruderal

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AQUATIC RESOURCES AND VEGETATION COMMUNITIES
 PARADISE SEWER PROJECT

September 29, 2021





Attachment 2

Database Queries

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_PQuad_Code	Quad_Name	Data_Status
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Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912175 PARADISE EAST	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912174 PULGA	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912166 HAMLIN CANYON	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912165 CHEROKEE	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912164 BERRY CREEK	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912155 OROVILLE	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912154 OROVILLE DAM	Mapped
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3912154 OROVILLE DAM	Unprocessed
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3912155 OROVILLE	Unprocessed
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3912164 BERRY CREEK	Mapped and Unprocessed
Animals - Amphibians	Spea hammondi	western spadefoot	AAABF02020	None	None	SSC	-	3912156 SHIPPEE	Mapped
Animals - Amphibians	Spea hammondi	western spadefoot	AAABF02020	None	None	SSC	-	3912155 OROVILLE	Mapped
Animals - Amphibians	Spea hammondi	western spadefoot	AAABF02020	None	None	SSC	-	3912165 CHEROKEE	Mapped
Animals - Amphibians	Spea hammondi	western spadefoot	AAABF02020	None	None	SSC	-	3912166 HAMLIN CANYON	Mapped
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912165 CHEROKEE	Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912176 PARADISE WEST	Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912155 OROVILLE	Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912154 OROVILLE DAM	Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912164 BERRY CREEK	Unprocessed
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3912156 SHIPPEE	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912156 SHIPPEE	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912164 BERRY CREEK	Mapped and Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912154 OROVILLE DAM	Mapped and Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912155 OROVILLE	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912175 PARADISE EAST	Mapped and Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912174 PULGA	Unprocessed
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912155 OROVILLE	Unprocessed
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912156 SHIPPEE	Mapped
Animals - Birds	Pica nuttalli	yellow-billed magpie	ABPAV09020	None	None	-	-	3912156 SHIPPEE	Unprocessed
Animals - Birds	Falco mexicanus	prairie falcon	ABNKD06090	None	None	WL	-	3912154 OROVILLE DAM	Unprocessed
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912154 OROVILLE DAM	Unprocessed
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912174 PULGA	Unprocessed
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912166 HAMLIN CANYON	Mapped
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912165 CHEROKEE	Unprocessed
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912176 PARADISE WEST	Mapped
Animals - Birds	Antigone canadensis tabida	greater sandhill crane	ABNKM01014	None	Threatened	FP	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX80020	None	Threatened	SSC	-	3912165 CHEROKEE	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX80020	None	Threatened	SSC	-	3912155 OROVILLE	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX80020	None	Threatened	SSC	-	3912156 SHIPPEE	Mapped and Unprocessed
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3912156 SHIPPEE	Mapped
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912164 BERRY CREEK	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912155 OROVILLE	Mapped and Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912154 OROVILLE DAM	Mapped and Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912165 CHEROKEE	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912174 PULGA	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912156 SHIPPEE	Mapped
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912155 OROVILLE	Mapped
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912166 HAMLIN CANYON	Mapped and Unprocessed
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912165 CHEROKEE	Mapped
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912176 PARADISE WEST	Mapped and Unprocessed
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912155 OROVILLE	Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912156 SHIPPEE	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912176 PARADISE WEST	Unprocessed
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912164 BERRY CREEK	Mapped
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912174 PULGA	Mapped
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912175 PARADISE EAST	Mapped
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912156 SHIPPEE	Mapped
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912156 SHIPPEE	Mapped and Unprocessed
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912155 OROVILLE	Mapped
Animals - Crustaceans	Lindieriella occidentalis	California lindieriella	ICBRA06010	None	None	-	-	3912155 OROVILLE	Mapped and Unprocessed
Animals - Crustaceans	Stygobromus gallawayae	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912176 PARADISE WEST	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912166 HAMLIN CANYON	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912165 CHEROKEE	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912155 OROVILLE	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912156 SHIPPEE	Mapped and Unprocessed
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3912155 OROVILLE	Mapped
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912155 OROVILLE	Unprocessed
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912164 BERRY CREEK	Unprocessed
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912174 PULGA	Unprocessed
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912176 PARADISE WEST	Unprocessed
Animals - Fish	Hesperoleucus symmetricus symmetricus	central California roach	AFCJB19021	None	None	SSC	-	3912176 PARADISE WEST	Unprocessed
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCJB25010	None	None	SSC	-	3912174 PULGA	Mapped and Unprocessed
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCJB25010	None	None	SSC	-	3912164 BERRY CREEK	Unprocessed
Animals - Fish	Hysterocarpus traskii traskii	Sacramento-San Joaquin tule perch	AFQK02012	None	None	-	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912166 HAMLIN CANYON	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912176 PARADISE WEST	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912155 OROVILLE	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912154 OROVILLE DAM	Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912155 OROVILLE	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912176 PARADISE WEST	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912166 HAMLIN CANYON	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 13	chinook salmon - Central Valley fall / late fall-run	EAFCHA0205N	None	None	SSC	-	3912155 OROVILLE	Unprocessed
Animals - Insects	Bombus crotchii	Crotch bumble bee	IIHYM24480	None	None	-	-	3912165 CHEROKEE	Mapped
Animals - Insects	Bombus occidentalis	western bumble bee	IIHYM24250	None	None	-	-	3912165 CHEROKEE	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	ICCOL48011	Threatened	None	-	-	3912174 PULGA	Mapped
Animals - Insects	Atractelmis wawona	Wawona riffle beetle	ICCOL58010	None	None	-	-	3912176 PARADISE WEST	Mapped
Animals - Mammals	Canis lupus	gray wolf	AMAJA01030	Endangered	Endangered	-	-	3912174 PULGA	Unprocessed
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912166 HAMLIN CANYON	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912176 PARADISE WEST	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912155 OROVILLE	Unprocessed
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912155 OROVILLE	Mapped and Unprocessed
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912175 PARADISE EAST	Unprocessed
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912174 PULGA	Unprocessed
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3912164 BERRY CREEK	Mapped
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3912155 OROVILLE	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912155 OROVILLE	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912174 PULGA	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912175 PARADISE EAST	Mapped
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3912174 PULGA	Mapped
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3912164 BERRY CREEK	Mapped
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912176 PARADISE WEST	Mapped
Animals - Mollusks	Gonidea angulata	western ridged mussel	IMBIV19010	None	None	-	-	3912155 OROVILLE	Mapped

Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912155	OROVILLE	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912154	OROVILLE DAM	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912164	BERRY CREEK	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912156	SHIPPEE	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912175	PARADISE EAST	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912174	PULGA	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912156	SHIPPEE	Mapped and Unprocessed
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3912154	OROVILLE DAM	Unprocessed
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3912155	OROVILLE	Mapped and Unprocessed
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3912166	HAMLIN CANYON	Mapped and Unprocessed
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912165	CHEROKEE	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912166	HAMLIN CANYON	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912155	OROVILLE	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912156	SHIPPEE	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912156	SHIPPEE	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912155	OROVILLE	Mapped
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912155	OROVILLE	Mapped
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912156	SHIPPEE	Mapped
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912165	CHEROKEE	Mapped
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3912166	HAMLIN CANYON	Mapped
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3912156	SHIPPEE	Mapped
Plants - Bryophytes	Anomobryum julaceum	slender silver moss	NBMUS80010	None	None	-	4.2	3912174	PULGA	Mapped and Unprocessed
Plants - Bryophytes	Bryum chryseum	brassy bryum	NBMUS1A430	None	None	-	4.3	3912156	SHIPPEE	Unprocessed
Plants - Bryophytes	Mielichhoferia elongata	elongate copper moss	NBMUS4Q022	None	None	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Lichens	Peltigera gowardii	western waterfan lichen	NLVER00460	None	None	-	4.2	3912174	PULGA	Unprocessed
Plants - Vascular	Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	None	None	-	1B.2	3912164	BERRY CREEK	Mapped
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912164	BERRY CREEK	Mapped and Unprocessed
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912165	CHEROKEE	Mapped
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912174	PULGA	Mapped and Unprocessed
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLIL02212	None	None	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLIL02212	None	None	-	4.2	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Perideridia bacigalupii	Bacigalupi's yampah	PDAP1N020	None	None	-	4.2	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3912156	SHIPPEE	Mapped
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912154	OROVILLE DAM	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912155	OROVILLE	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912174	PULGA	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912176	PARADISE WEST	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912166	HAMLIN CANYON	Unprocessed
Plants - Vascular	Erigeron petrophilus var. sierrensis	northern Sierra daisy	PDAST3M351	None	None	-	4.3	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Erigeron petrophilus var. sierrensis	northern Sierra daisy	PDAST3M351	None	None	-	4.3	3912174	PULGA	Unprocessed
Plants - Vascular	Hesperervax caulescens	hogwallow starfish	PDASTE5020	None	None	-	4.2	3912166	HAMLIN CANYON	Unprocessed
Plants - Vascular	Hesperervax caulescens	hogwallow starfish	PDASTE5020	None	None	-	4.2	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Hesperervax caulescens	hogwallow starfish	PDASTE5020	None	None	-	4.2	3912156	SHIPPEE	Unprocessed
Plants - Vascular	Layia septentrionalis	Colusa layia	PDAST5N0F0	None	None	-	1B.2	3912165	CHEROKEE	Mapped
Plants - Vascular	Microseris sylvatica	sylvan microseris	PDAST6E0E0	None	None	-	4.2	3912154	OROVILLE DAM	Unprocessed
Plants - Vascular	Packera eurycephala var. lewisrosei	Lewis Rose's ragwort	PDAST8H182	None	None	-	1B.2	3912164	BERRY CREEK	Mapped and Unprocessed
Plants - Vascular	Packera eurycephala var. lewisrosei	Lewis Rose's ragwort	PDAST8H182	None	None	-	1B.2	3912165	CHEROKEE	Mapped
Plants - Vascular	Packera eurycephala var. lewisrosei	Lewis Rose's ragwort	PDAST8H182	None	None	-	1B.2	3912174	PULGA	Mapped and Unprocessed
Plants - Vascular	Packera eurycephala var. lewisrosei	Lewis Rose's ragwort	PDAST8H182	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	4.2	3912176	PARADISE WEST	Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	4.2	3912155	OROVILLE	Unprocessed
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912164	BERRY CREEK	Mapped
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912165	CHEROKEE	Mapped
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912174	PULGA	Mapped
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912176	PARADISE WEST	Mapped
Plants - Vascular	Streptanthus drepanoides	sickle-fruit jewelflower	PDBRA2G200	None	None	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Streptanthus longisiliquus	long-fruit jewelflower	PDBRA2G400	None	None	-	4.3	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Streptanthus longisiliquus	long-fruit jewelflower	PDBRA2G400	None	None	-	4.3	3912174	PULGA	Unprocessed
Plants - Vascular	Githopsis pulchella ssp. serpentinicola	serpentine bluecup	PDCAM07053	None	None	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Eremogone cliffonii	Clifton's eremogone	PDCAR17010	None	None	-	1B.3	3912174	PULGA	Mapped and Unprocessed
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912156	SHIPPEE	Mapped
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912155	OROVILLE	Mapped
Plants - Vascular	Stellaria obtusa	obtuse starwort	PDCAR0X0U0	None	None	-	4.3	3912164	BERRY CREEK	Mapped and Unprocessed
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	4.2	3912176	PARADISE WEST	Mapped
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	4.2	3912175	PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Sedum albumarginatum	Feather River stonecrop	PDCRA0A030	None	None	-	1B.2	3912174	PULGA	Mapped
Plants - Vascular	Hesperocyparis bakeri	Baker cypress	PGCUP04020	None	None	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Bulbostylis capillaris	thread-leaved beakseed	PMCPY02020	None	None	-	4.2	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Bulbostylis capillaris	thread-leaved beakseed	PMCPY02020	None	None	-	4.2	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Bulbostylis capillaris	thread-leaved beakseed	PMCPY02020	None	None	-	4.2	3912155	OROVILLE	Unprocessed
Plants - Vascular	Carex xerophila	chaparral sedge	PMCPY03M60	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Rhynchospora californica	California beaked-rush	PMCPY0N060	None	None	-	1B.1	3912176	PARADISE WEST	Mapped
Plants - Vascular	Rhynchospora capitellata	brownish beaked-rush	PMCPY0N080	None	None	-	2B.2	3912176	PARADISE WEST	Mapped
Plants - Vascular	Rhynchospora capitellata	brownish beaked-rush	PMCPY0N080	None	None	-	2B.2	3912174	PULGA	Mapped and Unprocessed
Plants - Vascular	Arctostaphylos mewukka ssp. truei	True's manzanita	PDERI040Q2	None	None	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Arctostaphylos mewukka ssp. truei	True's manzanita	PDERI040Q2	None	None	-	4.2	3912174	PULGA	Unprocessed
Plants - Vascular	Arctostaphylos mewukka ssp. truei	True's manzanita	PDERI040Q2	None	None	-	4.2	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Euphorbia hooveri	Hoover's spurge	PDEUP0D150	Threatened	None	-	1B.2	3912166	HAMLIN CANYON	Mapped
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912166	HAMLIN CANYON	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912176	PARADISE WEST	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912156	SHIPPEE	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912155	OROVILLE	Unprocessed
Plants - Vascular	Trifolium jokerstii	Butte County golden clover	PDFAB40310	None	None	-	1B.2	3912155	OROVILLE	Mapped
Plants - Vascular	Trifolium jokerstii	Butte County golden clover	PDFAB40310	None	None	-	1B.2	3912156	SHIPPEE	Mapped
Plants - Vascular	Juncus leiostermus var. leiostermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912165	CHEROKEE	Mapped
Plants - Vascular	Juncus leiostermus var. leiostermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912156	SHIPPEE	Mapped
Plants - Vascular	Juncus leiostermus var. leiostermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912155	OROVILLE	Mapped
Plants - Vascular	Monardella venosa	veiny monardella	PDLAM18082	None	None	-	1B.1	3912165	CHEROKEE	Mapped
Plants - Vascular	Monardella venosa	veiny monardella	PDLAM18082	None	None	-	1B.1	3912166	HAMLIN CANYON	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912166	HAMLIN CANYON	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912174	PULGA	Mapped and Unprocessed
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912176	PARADISE WEST	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912175	PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912165	CHEROKEE	Mapped and Unprocessed
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912164	BERRY CREEK	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912155	OROVILLE	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912154	OROVILLE DAM	Mapped and Unprocessed
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912156	SHIPPEE	Mapped
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	4.2	3912154	OROVILLE DAM	Unprocessed
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	4.2	3912155	OROVILLE	Unprocessed
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	4.2	3912164	BERRY CREEK	Unprocessed

Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLIL1A071	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLIL1A071	None	None	-	4.2	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLIL1A071	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912155 OROVILLE	Mapped and Unprocessed
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912155 OROVILLE	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Sidalcea gigantea</i>	giant checkerbloom	PDMAL110T0	None	None	-	4.3	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Sidalcea gigantea</i>	giant checkerbloom	PDMAL110T0	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-	4.3	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-	4.3	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Claytonia parviflora</i> ssp. <i>grandiflora</i>	streambank spring beauty	PDPOR030D1	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Claytonia parviflora</i> ssp. <i>grandiflora</i>	streambank spring beauty	PDPOR030D1	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Lewisia cantelovii</i>	Cantelow's lewisia	PDPOR04020	None	None	-	1B.2	3912174 PULGA	Mapped
Plants - Vascular	<i>Clarkia biloba</i> ssp. <i>brandegeae</i>	Brandegee's clarkia	PDONA05053	None	None	-	4.2	3912155 OROVILLE	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia biloba</i> ssp. <i>brandegeae</i>	Brandegee's clarkia	PDONA05053	None	None	-	4.2	3912154 OROVILLE DAM	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912174 PULGA	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>lutescens</i>	golden-anthered clarkia	PDONA050Q1	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>lutescens</i>	golden-anthered clarkia	PDONA050Q1	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>lutescens</i>	golden-anthered clarkia	PDONA050Q1	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	1B.3	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	1B.3	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	1B.3	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Clarkia mosquinii</i>	Mosquin's clarkia	PDONA050S0	None	None	-	1B.1	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia mosquinii</i>	Mosquin's clarkia	PDONA050S0	None	None	-	1B.1	3912164 BERRY CREEK	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia mosquinii</i>	Mosquin's clarkia	PDONA050S0	None	None	-	1B.1	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Clarkia mosquinii</i>	Mosquin's clarkia	PDONA050S0	None	None	-	1B.1	3912154 OROVILLE DAM	Mapped
Plants - Vascular	<i>Cypripedium californicum</i>	California lady's-slipper	PMORCOQ040	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Cypripedium californicum</i>	California lady's-slipper	PMORCOQ040	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Cypripedium fasciculatum</i>	clustered lady's-slipper	PMORCOQ060	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Cypripedium fasciculatum</i>	clustered lady's-slipper	PMORCOQ060	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Cypripedium fasciculatum</i>	clustered lady's-slipper	PMORCOQ060	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCR0D482	None	None	-	1B.2	3912155 OROVILLE	Mapped
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCR0D482	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Erythranthe filicifolia</i>	fern-leaved monkeyflower	PDPHR01150	None	None	-	1B.2	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Erythranthe filicifolia</i>	fern-leaved monkeyflower	PDPHR01150	None	None	-	1B.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912155 OROVILLE	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912154 OROVILLE DAM	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Erythranthe inconspicua</i>	small-flowered monkeyflower	PDSCR1B1F0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Erythranthe inconspicua</i>	small-flowered monkeyflower	PDSCR1B1F0	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Penstemon personatus</i>	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Penstemon personatus</i>	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912174 PULGA	Mapped
Plants - Vascular	<i>Agrostis hendersonii</i>	Henderson's bent grass	PMPOA040K0	None	None	-	3.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Imperata brevifolia</i>	California satintail	PMPOA3D020	None	None	-	2B.1	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Poa sierrae</i>	Sierra blue grass	PMPOA4Z310	None	None	-	1B.3	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Poa sierrae</i>	Sierra blue grass	PMPOA4Z310	None	None	-	1B.3	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Leptosiphon ambiguus</i>	serpentine leptosiphon	PDPLM09020	None	None	-	4.2	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Leptosiphon ambiguus</i>	serpentine leptosiphon	PDPLM09020	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-	4.3	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-	4.3	3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Aspidotis carlotta-halliae</i>	Carlotta Hall's lace fern	PPADI07020	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Delphinium recurvatum</i>	recurved larkspur	PDRAN0B1J0	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry	PDRHA0H061	None	None	-	1B.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry	PDRHA0H061	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOC0K2	None	None	-	4.2	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOC0K2	None	None	-	4.2	3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOC0K2	None	None	-	4.2	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-	4.3	3912154 OROVILLE DAM	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-	4.3	3912155 OROVILLE	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-	4.3	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-	4.3	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Viola tomentosa</i>	felt-leaved violet	PDVIO04280	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912168	ORD FERRY	Mapped
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912167	CHICO	Unprocessed
Animals - Amphibians	<i>Rana boylei</i>	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912166	HAMLIN CANYON	Mapped
Animals - Amphibians	<i>Spea hammondii</i>	western spadefoot	AAABF02020	None	None	SSC	-	3912166	HAMLIN CANYON	Mapped
Animals - Amphibians	<i>Spea hammondii</i>	western spadefoot	AAABF02020	None	None	SSC	-	3912156	SHIPPEE	Mapped
Animals - Amphibians	<i>Spea hammondii</i>	western spadefoot	AAABF02020	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Amphibians	<i>Spea hammondii</i>	western spadefoot	AAABF02020	None	None	SSC	-	3912178	NORD	Mapped
Animals - Birds	<i>Aquila chrysaetos</i>	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912176	PARADISE WEST	Unprocessed
Animals - Birds	<i>Buteo swainsoni</i>	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912178	NORD	Mapped
Animals - Birds	<i>Buteo swainsoni</i>	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912167	CHICO	Mapped
Animals - Birds	<i>Buteo swainsoni</i>	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912168	ORD FERRY	Mapped
Animals - Birds	<i>Buteo swainsoni</i>	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912157	NELSON	Mapped
Animals - Birds	<i>Buteo swainsoni</i>	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	<i>Elanus leucurus</i>	white-tailed kite	ABNKC06010	None	None	FP	-	3912156	SHIPPEE	Unprocessed
Animals - Birds	<i>Haliaeetus leucocephalus</i>	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912156	SHIPPEE	Unprocessed
Animals - Birds	<i>Haliaeetus leucocephalus</i>	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912157	NELSON	Unprocessed
Animals - Birds	<i>Haliaeetus leucocephalus</i>	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	<i>Haliaeetus leucocephalus</i>	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912167	CHICO	Unprocessed
Animals - Birds	<i>Haliaeetus leucocephalus</i>	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	<i>Ardea alba</i>	great egret	ABNGA04040	None	None	-	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Birds	<i>Ardea alba</i>	great egret	ABNGA04040	None	None	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	<i>Ardea herodias</i>	great blue heron	ABNGA04010	None	None	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	<i>Ardea herodias</i>	great blue heron	ABNGA04010	None	None	-	-	3912156	SHIPPEE	Mapped
Animals - Birds	<i>Ardea herodias</i>	great blue heron	ABNGA04010	None	None	-	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Birds	<i>Egretta thula</i>	snowy egret	ABNGA06030	None	None	-	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	<i>Egretta thula</i>	snowy egret	ABNGA06030	None	None	-	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	<i>Gymnogyps californianus</i>	California condor	ABNKA03010	Endangered	Endangered	FP	-	3912167	CHICO	Unprocessed
Animals - Birds	<i>Gymnogyps californianus</i>	California condor	ABNKA03010	Endangered	Endangered	FP	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	<i>Pica nuttalli</i>	yellow-billed magpie	ABPAV09020	None	None	-	-	3912156	SHIPPEE	Unprocessed
Animals - Birds	<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3912168	ORD FERRY	Mapped
Animals - Birds	<i>Falco peregrinus anatum</i>	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912176	PARADISE WEST	Mapped
Animals - Birds	<i>Falco peregrinus anatum</i>	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912166	HAMLIN CANYON	Mapped
Animals - Birds	<i>Antigone canadensis tabida</i>	greater sandhill crane	ABNMK01014	None	Threatened	FP	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	<i>Antigone canadensis tabida</i>	greater sandhill crane	ABNMK01014	None	Threatened	FP	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	<i>Progne subis</i>	purple martin	ABPAU01010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	<i>Progne subis</i>	purple martin	ABPAU01010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	<i>Riparia riparia</i>	bank swallow	ABPAU08010	None	Threatened	-	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Birds	<i>Riparia riparia</i>	bank swallow	ABPAU08010	None	Threatened	-	-	3912178	NORD	Mapped
Animals - Birds	<i>Riparia riparia</i>	bank swallow	ABPAU08010	None	Threatened	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	<i>Agelaius tricolor</i>	tricolored blackbird	ABPBX00020	None	Threatened	SSC	-	3912156	SHIPPEE	Mapped and Unprocessed
Animals - Birds	<i>Agelaius tricolor</i>	tricolored blackbird	ABPBX00020	None	Threatened	SSC	-	3912158	LLANO SECO	Mapped
Animals - Birds	<i>Agelaius tricolor</i>	tricolored blackbird	ABPBX00020	None	Threatened	SSC	-	3912157	NELSON	Mapped
Animals - Birds	<i>Agelaius tricolor</i>	tricolored blackbird	ABPBX00020	None	Threatened	SSC	-	3912167	CHICO	Mapped
Animals - Birds	<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	<i>Icteria virens</i>	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	<i>Lanius ludovicianus</i>	loggerhead shrike	ABPBR01030	None	None	SSC	-	3912156	SHIPPEE	Mapped
Animals - Birds	<i>Pandion haliaetus</i>	osprey	ABNKC01010	None	None	WL	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	<i>Pandion haliaetus</i>	osprey	ABNKC01010	None	None	WL	-	3912158	LLANO SECO	Mapped
Animals - Birds	<i>Pandion haliaetus</i>	osprey	ABNKC01010	None	None	WL	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Birds	<i>Pandion haliaetus</i>	osprey	ABNKC01010	None	None	WL	-	3912167	CHICO	Unprocessed
Animals - Birds	<i>Setophaga petechia</i>	yellow warbler	ABPBX03010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	<i>Setophaga petechia</i>	yellow warbler	ABPBX03010	None	None	SSC	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	<i>Setophaga petechia</i>	yellow warbler	ABPBX03010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	<i>Setophaga petechia</i>	yellow warbler	ABPBX03010	None	None	SSC	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	<i>Setophaga petechia</i>	yellow warbler	ABPBX03010	None	None	SSC	-	3912156	SHIPPEE	Mapped
Animals - Birds	<i>Nannopterum auritum</i>	double-crested cormorant	ABNFD01020	None	None	WL	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	<i>Nannopterum auritum</i>	double-crested cormorant	ABNFD01020	None	None	WL	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	<i>Laterallus jamaicensis coturniculus</i>	California black rail	ABNME03041	None	Threatened	FP	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Birds	<i>Laterallus jamaicensis coturniculus</i>	California black rail	ABNME03041	None	Threatened	FP	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	<i>Laterallus jamaicensis coturniculus</i>	California black rail	ABNME03041	None	Threatened	FP	-	3912166	HAMLIN CANYON	Mapped and Unprocessed
Animals - Birds	<i>Asio otus</i>	long-eared owl	ABNSB13010	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	<i>Athene cucularia</i>	burrowing owl	ABNSB10010	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	<i>Athene cucularia</i>	burrowing owl	ABNSB10010	None	None	SSC	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	<i>Athene cucularia</i>	burrowing owl	ABNSB10010	None	None	SSC	-	3912156	SHIPPEE	Unprocessed
Animals - Birds	<i>Athene cucularia</i>	burrowing owl	ABNSB10010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Birds	<i>Athene cucularia</i>	burrowing owl	ABNSB10010	None	None	SSC	-	3912178	NORD	Mapped and Unprocessed
Animals - Birds	<i>Athene cucularia</i>	burrowing owl	ABNSB10010	None	None	SSC	-	3912167	CHICO	Mapped and Unprocessed
Animals - Birds	<i>Strix nebulosa</i>	great gray owl	ABNSB12040	None	Endangered	-	-	3912167	CHICO	Unprocessed
Animals - Birds	<i>Strix nebulosa</i>	great gray owl	ABNSB12040	None	Endangered	-	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	<i>Strix nebulosa</i>	great gray owl	ABNSB12040	None	Endangered	-	-	3912176	PARADISE WEST	Unprocessed
Animals - Birds	<i>Strix nebulosa</i>	great gray owl	ABNSB12040	None	Endangered	-	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	<i>Strix occidentalis occidentalis</i>	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	<i>Selasphorus rufus</i>	rufous hummingbird	ABNUC51020	None	None	-	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	<i>Selasphorus rufus</i>	rufous hummingbird	ABNUC51020	None	None	-	-	3912167	CHICO	Unprocessed
Animals - Birds	<i>Selasphorus rufus</i>	rufous hummingbird	ABNUC51020	None	None	-	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	<i>Vireo bellii pusillus</i>	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912167	CHICO	Mapped
Animals - Birds	<i>Vireo bellii pusillus</i>	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912156	SHIPPEE	Mapped
Animals - Birds	<i>Vireo bellii pusillus</i>	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912157	NELSON	Mapped
Animals - Crustaceans	<i>Branchinecta conservatio</i>	Conservancy fairy shrimp	ICBRA03010	Endangered	None	-	-	3912178	NORD	Mapped and Unprocessed
Animals - Crustaceans	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912178	NORD	Mapped and Unprocessed
Animals - Crustaceans	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912158	LLANO SECO	Mapped
Animals - Crustaceans	<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912156	SHIPPEE	Mapped and Unprocessed
Animals - Crustaceans	<i>Branchinecta mesoallensis</i>	midvalley fairy shrimp	ICBRA03150	None	None	-	-	3912178	NORD	Mapped
Animals - Crustaceans	<i>Lindieriella occidentalis</i>	California linderiella	ICBRA06010	None	None	-	-	3912178	NORD	Mapped
Animals - Crustaceans	<i>Lindieriella occidentalis</i>	California linderiella	ICBRA06010	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	<i>Lindieriella occidentalis</i>	California linderiella	ICBRA06010	None	None	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Crustaceans	<i>Stygobromus gallawayae</i>	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Crustaceans	<i>Stygobromus gallawayae</i>	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912176	PARADISE WEST	Mapped
Animals - Crustaceans	<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912178	NORD	Mapped and Unprocessed
Animals - Crustaceans	<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912158	LLANO SECO	Mapped
Animals - Crustaceans	<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912156	SHIPPEE	Mapped and Unprocessed
Animals - Crustaceans	<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912167	CHICO	Mapped
Animals - Crustaceans	<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912166	HAMLIN CANYON	Mapped
Animals - Fish	<i>Acipenser medirostris</i> pop. 1	green sturgeon - southern DPS	AFCOA01031	Threatened	None	-	-	3912158	LLANO SECO	Mapped
Animals - Fish	<i>Acipenser medirostris</i> pop. 1	green sturgeon - southern DPS	AFCOA01031	Threatened	None	-	-	3912178	NORD	Mapped
Animals - Fish	<i>Acipenser medirostris</i> pop. 1	green sturgeon - southern DPS	AFCOA01031	Threatened	None	-	-	3912168	ORD FERRY	Mapped
Animals - Fish	<i>Acipenser transmontanus</i>	white sturgeon	AFCOA01050	None	None	SSC	-	3912168	ORD FERRY	Unprocessed
Animals - Fish	<i>Acipenser transmontanus</i>	white sturgeon	AFCOA01050	None	None	SSC	-	3912158	LLANO SECO	Unprocessed
Animals - Fish	<i>Cottus gulosus</i>	riffle sculpin	A							

Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912176 PARADISE WEST	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912167 CHICO	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912166 HAMLIN CANYON	Mapped and Unprocessed
Animals - Insects	Anthicus antiochensis	Antioch Dunes anthicid beetle	IICOL49020	None	None	-	-	3912168 ORD FERRY	Mapped
Animals - Insects	Anthicus sacramento	Sacramento anthicid beetle	IICOL49010	None	None	-	-	3912168 ORD FERRY	Mapped
Animals - Insects	Bombus crotchii	Crotch bumble bee	IHYM24480	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912168 ORD FERRY	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912167 CHICO	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912157 NELSON	Unprocessed
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912158 LLANO SECO	Mapped and Unprocessed
Animals - Insects	Atractelmis wawona	Wawona riffle beetle	IICOL58010	None	None	-	-	3912176 PARADISE WEST	Mapped
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912178 NORD	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912157 NELSON	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912167 CHICO	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912158 LLANO SECO	Unprocessed
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912167 CHICO	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912166 HAMLIN CANYON	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912158 LLANO SECO	Mapped and Unprocessed
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912157 NELSON	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912178 NORD	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912176 PARADISE WEST	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912168 ORD FERRY	Mapped and Unprocessed
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912168 ORD FERRY	Mapped
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912178 NORD	Mapped
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912167 CHICO	Mapped
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912178 NORD	Unprocessed
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3912158 LLANO SECO	Mapped
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3912157 NELSON	Mapped
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3912167 CHICO	Mapped
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3912168 ORD FERRY	Unprocessed
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912167 CHICO	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912168 ORD FERRY	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912158 LLANO SECO	Mapped
Animals - Mammals	Lasiurus blossevillii	western red bat	AMACC05060	None	None	SSC	-	3912168 ORD FERRY	Mapped
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3912167 CHICO	Mapped
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3912168 ORD FERRY	Mapped
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3912158 LLANO SECO	Mapped
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912168 ORD FERRY	Mapped
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912176 PARADISE WEST	Mapped
Animals - Mollusks	Margaritifera falcata	western pearlshell	IMBIV27020	None	None	-	-	3912167 CHICO	Unprocessed
Animals - Mollusks	Anodonta californiensis	California floater	IMBIV04220	None	None	-	-	3912168 ORD FERRY	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912168 ORD FERRY	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912176 PARADISE WEST	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912167 CHICO	Mapped
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912158 LLANO SECO	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912157 NELSON	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912156 SHIPPEE	Mapped and Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912156 SHIPPEE	Mapped and Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912157 NELSON	Mapped and Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912158 LLANO SECO	Mapped and Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912168 ORD FERRY	Mapped
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3912166 HAMLIN CANYON	Mapped and Unprocessed
Community - Terrestrial	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	-	-	3912158 LLANO SECO	Mapped
Community - Terrestrial	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	-	-	3912168 ORD FERRY	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912168 ORD FERRY	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912158 LLANO SECO	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912166 HAMLIN CANYON	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912156 SHIPPEE	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912157 NELSON	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912158 LLANO SECO	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912167 CHICO	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912168 ORD FERRY	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912168 ORD FERRY	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912167 CHICO	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912158 LLANO SECO	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912157 NELSON	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912156 SHIPPEE	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912158 LLANO SECO	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912168 ORD FERRY	Mapped
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912156 SHIPPEE	Mapped
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3912166 HAMLIN CANYON	Mapped
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3912178 NORD	Mapped
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3912156 SHIPPEE	Mapped
Plants - Bryophytes	Bryum chryseum	brassy bryum	NBMU51A430	None	None	-	-	4.3 3912156 SHIPPEE	Unprocessed
Plants - Bryophytes	Campylopodia stenocarpa	flagella-like atractylocarpus	NBMU584010	None	None	-	2B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3912167 CHICO	Mapped
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912167 CHICO	Unprocessed
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Centromadia parryi ssp. rudis	Parry's rough tarplant	PDAST4R0P3	None	None	-	-	4.2 3912158 LLANO SECO	Unprocessed
Plants - Vascular	Hesperexax caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912158 LLANO SECO	Unprocessed
Plants - Vascular	Hesperexax caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912156 SHIPPEE	Unprocessed
Plants - Vascular	Hesperexax caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Hesperexax caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Hesperexax caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912178 NORD	Unprocessed
Plants - Vascular	Lasthenia ferrisiae	Ferris' goldfields	PDAST51070	None	None	-	-	4.2 3912157 NELSON	Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	-	4.2 3912157 NELSON	Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	-	4.2 3912158 LLANO SECO	Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	-	4.2 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Cryptantha crinita	silky cryptantha	PDBOR0A0Q0	None	None	-	1B.2	3912168 ORD FERRY	Mapped
Plants - Vascular	Cryptantha rostellata	red-stemmed cryptantha	PDBOR0A2M1	None	None	-	-	4.2 3912167 CHICO	Unprocessed
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	Brasenia schreberi	watershield	PDCAB01010	None	None	-	2B.3	3912158 LLANO SECO	Mapped
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912177 RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	-	4.2 3912176 PARADISE WEST	Mapped
Plants - Vascular	Rhynchospora californica	California beaked-rush	PMCYP0N060	None	None	-	1B.1	3912176 PARADISE WEST	Mapped
Plants - Vascular	Rhynchospora californica	California beaked-rush	PMCYP0N060	None	None	-	1B.1	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	Rhynchospora capitellata	brownish beaked-rush	PMCYP0N080	None	None	-	2B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	Euphorbia hooveri	Hoover's spurge	PDEUP0D150	Threatened	None	-	1B.2	3912178 NORD	Mapped
Plants - Vascular	Euphorbia hooveri	Hoover's spurge	PDEUP0D150	Threatened	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912167 CHICO	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912156 SHIPPEE	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912178 NORD	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Astragalus tener var. ferrisiae	Ferris' milk-vetch	PDFAB0F8R3	None	None	-	1B.1	3912178 NORD	Mapped
Plants - Vascular	Astragalus tener var. ferrisiae	Ferris' milk-vetch	PDFAB0F8R3	None	None	-	1B.1	3912158 LLANO SECO	Mapped
Plants - Vascular	Trifolium jokerstii	Butte County golden clover	PDFAB40310	None	None	-	1B.2	3912156 SHIPPEE	Mapped

Plants - Vascular	<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Monardella venosa</i>	veiny monardella	PDLAM18082	None	None	-	1B.1	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Wolffia brasiliensis</i>	Brazilian watermeal	PMLEM03020	None	None	-	2B.3	3912158 LLANO SECO	Mapped
Plants - Vascular	<i>Wolffia brasiliensis</i>	Brazilian watermeal	PMLEM03020	None	None	-	2B.3	3912168 ORD FERRY	Mapped
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLILOV060	None	None	-		3.2 3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLILOV060	None	None	-		3.2 3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLILOV060	None	None	-		3.2 3912167 CHICO	Mapped
Plants - Vascular	<i>Fritillaria pluriflora</i>	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912167 CHICO	Mapped
Plants - Vascular	<i>Fritillaria pluriflora</i>	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Fritillaria pluriflora</i>	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	<i>Fritillaria pluriflora</i>	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912178 ORD FERRY	Mapped
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLIL1A071	None	None	-		4.2 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912178 ORD FERRY	Mapped and Unprocessed
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912177 RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912167 CHICO	Mapped
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>floccosa</i>	woolly meadowfoam	PDLIM02043	None	None	-		4.2 3912177 RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>floccosa</i>	woolly meadowfoam	PDLIM02043	None	None	-		4.2 3912178 ORD FERRY	Mapped and Unprocessed
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912168 ORD FERRY	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912158 LLANO SECO	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912157 NELSON	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912167 CHICO	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-		4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-		4.3 3912167 CHICO	Unprocessed
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-		4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCR0D482	None	None	-	1B.2	3912178 ORD FERRY	Mapped
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCR0D482	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912167 CHICO	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912178 ORD FERRY	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912168 ORD FERRY	Unprocessed
Plants - Vascular	<i>Imperata brevifolia</i>	California satintail	PMPOA3D020	None	None	-	2B.1	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Imperata brevifolia</i>	California satintail	PMPOA3D020	None	None	-	2B.1	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912178 ORD FERRY	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912158 LLANO SECO	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Leptosiphon ambiguus</i>	serpentine leptosiphon	PDPLM09020	None	None	-		4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912178 ORD FERRY	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	northern slender pondweed	PMPT03091	None	None	-	2B.2	3912167 CHICO	Mapped
Plants - Vascular	<i>Delphinium recurvatum</i>	recurved larkspur	DRAN0B1J0	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Delphinium recurvatum</i>	recurved larkspur	DRAN0B1J0	None	None	-	1B.2	3912157 NELSON	Mapped
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLIL0C0K2	None	None	-		4.2 3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLIL0C0K2	None	None	-		4.2 3912167 CHICO	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLIL0C0K2	None	None	-		4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLIL0C0K2	None	None	-		4.2 3912178 ORD FERRY	Unprocessed

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912175	PARADISE EAST	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912167	CHICO	Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912166	HAMLIN CANYON	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912165	CHEROKEE	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912155	OROVILLE	Mapped
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3912155	OROVILLE	Unprocessed
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912155	OROVILLE	Mapped
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912165	CHEROKEE	Mapped
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912156	SHIPPEE	Mapped
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912166	HAMLIN CANYON	Mapped
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912176	PARADISE WEST	Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912165	CHEROKEE	Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912155	OROVILLE	Unprocessed
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912157	NELSON	Mapped
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912167	CHICO	Mapped
Animals - Birds	Elanus leucurus	white-tailed kite	ABNKC06010	None	None	FP	-	3912156	SHIPPEE	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912156	SHIPPEE	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912157	NELSON	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912155	OROVILLE	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912167	CHICO	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912175	PARADISE EAST	Mapped and Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912155	OROVILLE	Unprocessed
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912156	SHIPPEE	Mapped
Animals - Birds	Gymnogyps californianus	California condor	ABNKA03010	Endangered	Endangered	FP	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Gymnogyps californianus	California condor	ABNKA03010	Endangered	Endangered	FP	-	3912167	CHICO	Unprocessed
Animals - Birds	Pica nuttalli	yellow-billed magpie	ABPAV09020	None	None	-	-	3912156	SHIPPEE	Unprocessed
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912165	CHEROKEE	Unprocessed
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912166	HAMLIN CANYON	Mapped
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912176	PARADISE WEST	Mapped
Animals - Birds	Antigone canadensis tabida	greater sandhill crane	ABNMK01014	None	Threatened	FP	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912167	CHICO	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912165	CHEROKEE	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912157	NELSON	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912155	OROVILLE	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912156	SHIPPEE	Mapped and Unprocessed
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Lanius ludovicianus	loggerhead shrike	ABPBR01030	None	None	SSC	-	3912156	SHIPPEE	Mapped
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912165	CHEROKEE	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912155	OROVILLE	Mapped and Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912167	CHICO	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912156	SHIPPEE	Mapped
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912155	OROVILLE	Mapped
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912165	CHEROKEE	Mapped
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912166	HAMLIN CANYON	Mapped and Unprocessed
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912167	CHICO	Mapped and Unprocessed
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912156	SHIPPEE	Unprocessed
Animals - Birds	Athene cucularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912155	OROVILLE	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912176	PARADISE WEST	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912167	CHICO	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912175	PARADISE EAST	Mapped
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3912167	CHICO	Unprocessed
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912167	CHICO	Mapped
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912156	SHIPPEE	Mapped
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912157	NELSON	Mapped
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912156	SHIPPEE	Mapped and Unprocessed
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912155	OROVILLE	Mapped
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3912155	OROVILLE	Mapped and Unprocessed
Animals - Crustaceans	Stygobromus gallawayae	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Crustaceans	Stygobromus gallawayae	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912176	PARADISE WEST	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912167	CHICO	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912155	OROVILLE	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912156	SHIPPEE	Mapped and Unprocessed
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912165	CHEROKEE	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912166	HAMLIN CANYON	Mapped
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3912155	OROVILLE	Mapped
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912155	OROVILLE	Unprocessed
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912176	PARADISE WEST	Unprocessed
Animals - Fish	Hesperoleucus symmetricus symmetricus	central California roach	AFCJB19021	None	None	SSC	-	3912176	PARADISE WEST	Unprocessed
Animals - Fish	Hysteroecarpus traskii traskii	Sacramento-San Joaquin tule perch	AFCQK02012	None	None	-	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912166	HAMLIN CANYON	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912167	CHICO	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912155	OROVILLE	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912157	NELSON	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912155	OROVILLE	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912167	CHICO	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCHA0205L	Threatened	Threatened	-	-	3912166	HAMLIN CANYON	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 13	chinook salmon - Central Valley fall / late fall-run ESU	AFCHA0205N	None	None	SSC	-	3912155	OROVILLE	Unprocessed
Animals - Insects	Bombus crotchii	Crotch bumble bee	IHYM24480	None	None	-	-	3912165	CHEROKEE	Mapped
Animals - Insects	Bombus crotchii	Crotch bumble bee	IHYM24480	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Insects	Bombus occidentalis	western bumble bee	IHYM24250	None	None	-	-	3912165	CHEROKEE	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912157	NELSON	Unprocessed
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry long								

Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912167 CHICO	Mapped
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912155 OROVILLE	Mapped and Unprocessed
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912175 PARADISE EAST	Unprocessed
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3912157 NELSON	Mapped
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3912167 CHICO	Mapped
Animals - Mammals	Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	None	None	SSC	-	3912155 OROVILLE	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912155 OROVILLE	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912167 CHICO	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912175 PARADISE EAST	Mapped
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3912167 CHICO	Mapped
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912176 PARADISE WEST	Mapped
Animals - Mollusks	Margaritifera falcata	western pearlshell	IMBIV27020	None	None	-	-	3912167 CHICO	Unprocessed
Animals - Mollusks	Gonidea angulata	western ridged mussel	IMBIV19010	None	None	-	-	3912155 OROVILLE	Mapped
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912155 OROVILLE	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912156 SHIPPEE	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912157 NELSON	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912167 CHICO	Mapped
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912166 HAMLIN CANYON	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912176 PARADISE WEST	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912175 PARADISE EAST	Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912157 NELSON	Mapped and Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912156 SHIPPEE	Mapped and Unprocessed
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3912155 OROVILLE	Mapped and Unprocessed
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3912166 HAMLIN CANYON	Mapped and Unprocessed
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912166 HAMLIN CANYON	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912155 OROVILLE	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912156 SHIPPEE	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912165 CHEROKEE	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912157 NELSON	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912167 CHICO	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912167 CHICO	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912157 NELSON	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912156 SHIPPEE	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912155 OROVILLE	Mapped
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912155 OROVILLE	Mapped
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912156 SHIPPEE	Mapped
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912165 CHEROKEE	Mapped
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3912166 HAMLIN CANYON	Mapped
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3912177 RICHARDSON SPRINGS	Mapped
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3912156 SHIPPEE	Mapped
Plants - Bryophytes	Bryum chryseum	brassy bryum	NBMUS1A430	None	None	-	-	4.3 3912156 SHIPPEE	Unprocessed
Plants - Bryophytes	Campylopodia stenocarpa	flagella-like atractylocarpus	NBMUS84010	None	None	-	2B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Bryophytes	Mielichhoferia elongata	elongate copper moss	NBMUS4Q022	None	None	-	-	4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLIL02212	None	None	-	-	4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3912167 CHICO	Mapped
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912155 OROVILLE	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912167 CHICO	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Erigeron petrophilus var. sierrensis	northern Sierra daisy	PDAST3M351	None	None	-	-	4.3 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Hesperex caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Hesperex caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Hesperex caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Hesperex caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2 3912156 SHIPPEE	Unprocessed
Plants - Vascular	Lasthenia ferrisiae	Ferris' goldfields	PDAST5L070	None	None	-	-	4.2 3912157 NELSON	Unprocessed
Plants - Vascular	Layia septentrionalis	Colusa layia	PDAST5N0F0	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	Packera eurycephala var. lewisrosei	Lewis Rose's ragwort	PDAST8H182	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	Packera eurycephala var. lewisrosei	Lewis Rose's ragwort	PDAST8H182	None	None	-	1B.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	-	4.2 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	-	4.2 3912157 NELSON	Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	-	4.2 3912155 OROVILLE	Unprocessed
Plants - Vascular	Cryptantha rostellata	red-stemmed cryptantha	PDBORA2M1	None	None	-	-	4.2 3912167 CHICO	Unprocessed
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	Streptanthus drepanoides	sickle-fruit jewelflower	PDBRA2G200	None	None	-	-	4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Githopsis pulchella ssp. serpentinicola	serpentine bluecup	PDCAM07053	None	None	-	-	4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912155 OROVILLE	Mapped
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912177 RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	-	4.2 3912176 PARADISE WEST	Mapped
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	-	4.2 3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Hesperocyparis bakeri	Baker cypress	PGCUP04020	None	None	-	-	4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Bulbostylis capillaris	thread-leaved beakseed	PMCPY02020	None	None	-	-	4.2 3912155 OROVILLE	Unprocessed
Plants - Vascular	Bulbostylis capillaris	thread-leaved beakseed	PMCPY02020	None	None	-	-	4.2 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Carex xerophila	chaparral sedge	PMCPY03M60	None	None	-	1B.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Rhynchospora californica	California beaked-rush	PMCPY0N060	None	None	-	1B.1	3912176 PARADISE WEST	Mapped
Plants - Vascular	Rhynchospora californica	California beaked-rush	PMCPY0N060	None	None	-	1B.1	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	Rhynchospora capitellata	brownish beaked-rush	PMCPY0N080	None	None	-	2B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	Arctostaphylos mewukka ssp. truei	True's manzanita	PDERI040Q2	None	None	-	-	4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Euphorbia hooveri	Hoover's spurge	PDEUP0D150	Threatened	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912155 OROVILLE	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912156 SHIPPEE	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3 3912167 CHICO	Unprocessed
Plants - Vascular	Trifolium jokerstii	Butte County golden clover	PDFAB40310	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	Trifolium jokerstii	Butte County golden clover	PDFAB40310	None	None	-	1B.2	3912155 OROVILLE	Mapped
Plants - Vascular	Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912155 OROVILLE	Mapped
Plants - Vascular	Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912165 CHEROKEE	Mapped
Plants - Vascular	Juncus leiospermus var. leiospermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	Monardella venosa	veiny monardella	PDLAM18082	None	None	-	1B.1	3912165 CHEROKEE	Mapped
Plants - Vascular	Monardella venosa	veiny monardella	PDLAM18082	None	None	-	1B.1	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLIL0V060	None	None	-	-	3.2 3912166 HAMLIN CANYON	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLIL0V060	None	None	-	-	3.2 3912165 CHEROKEE	Mapped and Unprocessed
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLIL0V060	None	None	-	-	3.2 3912155 OROVILLE	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLIL0V060	None	None	-	-	3.2 3912176 PARADISE WEST	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLIL0V060	None	None	-	-	3.2 3912167 CHICO	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLIL0V060	None	None	-	-	3.2 3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLIL0V0F0	None	None	-	1B.2	3912167 CHICO	Mapped
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLIL0V0F0	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLIL0V0F0	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	-	4.2 3912155 OROVILLE	Unprocessed
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	-	4.2 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	-	4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Limnanthes floccosa ssp. californica	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912167 CHICO	Mapped

Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912177 RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912155 OROVILLE	Mapped and Unprocessed
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Limnanthes floccosa</i> ssp. <i>floccosa</i>	woolly meadowfoam	PDLIM02043	None	None	-		4.2 3912177 RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912155 OROVILLE	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912157 NELSON	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912167 CHICO	Mapped
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-		4.3 3912167 CHICO	Unprocessed
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-		4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-		4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Claytonia parviflora</i> ssp. <i>grandiflora</i>	streambank spring beauty	PDPOR030D1	None	None	-		4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Clarkia biloba</i> ssp. <i>brandegeae</i>	Brandegee's clarkia	PDONA050S3	None	None	-		4.2 3912155 OROVILLE	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>lutescens</i>	golden-anthered clarkia	PDONA050Q1	None	None	-		4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	1B.3	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Clarkia mosquini</i>	Mosquin's clarkia	PDONA050S0	None	None	-	1B.1	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Cypripedium fasciculatum</i>	clustered lady's-slipper	PMORC0Q060	None	None	-		4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCRD482	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCRD482	None	None	-	1B.2	3912155 OROVILLE	Mapped
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912155 OROVILLE	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912167 CHICO	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Erythranthe inconspicua</i>	small-flowered monkeyflower	PDSCR1B1F0	None	None	-		4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Penstemon personatus</i>	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Imperata brevifolia</i>	California satintail	PMPOA3D020	None	None	-	2B.1	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Imperata brevifolia</i>	California satintail	PMPOA3D020	None	None	-	2B.1	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Leptosiphon ambiguus</i>	serpentine leptosiphon	PDPLM09020	None	None	-		4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Leptosiphon ambiguus</i>	serpentine leptosiphon	PDPLM09020	None	None	-		4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	northern slender pondweed	PMPT03091	None	None	-	2B.2	3912167 CHICO	Mapped
Plants - Vascular	<i>Delphinium recurvatum</i>	recurved larkspur	PDRAN0B1J0	None	None	-	1B.2	3912156 SHIPPEE	Mapped
Plants - Vascular	<i>Delphinium recurvatum</i>	recurved larkspur	PDRAN0B1J0	None	None	-	1B.2	3912157 NELSON	Mapped
Plants - Vascular	<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry	PDRHA0H061	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOCOK2	None	None	-		4.2 3912167 CHICO	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOCOK2	None	None	-		4.2 3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOCOK2	None	None	-		4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOCOK2	None	None	-		4.2 3912156 SHIPPEE	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-		4.3 3912155 OROVILLE	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-		4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLILOCOJ0	None	None	-		4.3 3912175 PARADISE EAST	Unprocessed

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912168	ORD FERRY	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912167	CHICO	Unprocessed
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912178	NORD	Mapped
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912178	NORD	Mapped
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912271	FOSTER ISLAND	Mapped
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912167	CHICO	Mapped
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912261	HAMILTON CITY	Mapped and Unprocessed
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912168	ORD FERRY	Mapped
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912251	GLENN	Mapped and Unprocessed
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912157	NELSON	Mapped
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912157	NELSON	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912167	CHICO	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912271	FOSTER ISLAND	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3912271	FOSTER ISLAND	Unprocessed
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3912261	HAMILTON CITY	Unprocessed
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	Ardea alba	great egret	ABNGA04040	None	None	-	-	3912251	GLENN	Unprocessed
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912251	GLENN	Unprocessed
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912261	HAMILTON CITY	Unprocessed
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Birds	Ardea herodias	great blue heron	ABNGA04010	None	None	-	-	3912271	FOSTER ISLAND	Unprocessed
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	Egretta thula	snowy egret	ABNGA06030	None	None	-	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	Gymnogyps californianus	California condor	ABNKA03010	Endangered	Endangered	FP	-	3912167	CHICO	Unprocessed
Animals - Birds	Gymnogyps californianus	California condor	ABNKA03010	Endangered	Endangered	FP	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3912271	FOSTER ISLAND	Mapped
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3912168	ORD FERRY	Mapped
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	-	-	3912251	GLENN	Mapped
Animals - Birds	Antigone canadensis tabida	greater sandhill crane	ABNMK01014	None	Threatened	FP	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Riparia riparia	bank swallow	ABPAU08010	None	Threatened	-	-	3912271	FOSTER ISLAND	Mapped and Unprocessed
Animals - Birds	Riparia riparia	bank swallow	ABPAU08010	None	Threatened	-	-	3912178	NORD	Mapped
Animals - Birds	Riparia riparia	bank swallow	ABPAU08010	None	Threatened	-	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Birds	Riparia riparia	bank swallow	ABPAU08010	None	Threatened	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	Riparia riparia	bank swallow	ABPAU08010	None	Threatened	-	-	3912251	GLENN	Mapped and Unprocessed
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912251	GLENN	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912158	LLANO SECO	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912157	NELSON	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912261	HAMILTON CITY	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912167	CHICO	Mapped
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912251	GLENN	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912251	GLENN	Mapped
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912158	LLANO SECO	Mapped
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912271	FOSTER ISLAND	Mapped and Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912261	HAMILTON CITY	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912167	CHICO	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912271	FOSTER ISLAND	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	Nannopterum auritum	double-crested cormorant	ABNFD01020	None	None	WL	-	3912158	LLANO SECO	Unprocessed
Animals - Birds	Nannopterum auritum	double-crested cormorant	ABNFD01020	None	None	WL	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912178	NORD	Mapped and Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912167	CHICO	Mapped and Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912251	GLENN	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912167	CHICO	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3912167	CHICO	Unprocessed
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3912168	ORD FERRY	Unprocessed
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912167	CHICO	Mapped
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912157	NELSON	Mapped
Animals - Crustaceans	Branchinecta conservatio	Conservancy fairy shrimp	ICBRA03010	Endangered	None	-	-	3912178	NORD	Mapped and Unprocessed
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912178	NORD	Mapped and Unprocessed
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912158	LLANO SECO	Mapped
Animals - Crustaceans	Branchinecta mesovallensis	midvalley fairy shrimp	ICBRA03150	None	None	-	-	3912178	NORD	Mapped
Animals - Crustaceans	Lindieriella occidentalis	California lindieriella	ICBRA06010	None	None	-	-	3912178	NORD	Mapped
Animals - Crustaceans	Lindieriella occidentalis	California lindieriella	ICBRA06010	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Lindieriella occidentalis	California lindieriella	ICBRA06010	None	None	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Crustaceans	Stygobromus gallawayae	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912178	NORD	Mapped and Unprocessed
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912158	LLANO SECO	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912167	CHICO	Mapped
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3912251	GLENN	Mapped
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3912158	LLANO SECO	Mapped
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3912178	NORD	Mapped
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3912271	FOSTER ISLAND	Mapped
Animals - Fish	Acipenser medirostris pop. 1	green sturgeon - southern DPS	AFCAA01031	Threatened	None	-	-	3912168	ORD FERRY	Mapped
Animals - Fish	Acipenser transmontanus	white sturgeon	AFCAA01050	None	None	SSC	-	3912168	ORD FERRY	Unprocessed
Animals - Fish	Acipenser transmontanus	white sturgeon	AFCAA01050	None	None	SSC	-	3912271	FOSTER ISLAND	Unprocessed
Animals - Fish	Acipenser transmontanus	white sturgeon	AFCAA01050	None	None	SSC	-	3912158	LLANO SECO	Unprocessed
Animals - Fish	Acipenser transmontanus	white sturgeon	AFCAA01050	None	None	SSC	-	3912251	GLENN	Unprocessed
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCEB25010	None	None	SSC	-	3912168	ORD FERRY	Unprocessed
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCEB25010	None	None	SSC	-	3912261	HAMILTON CITY	Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912261	HAMILTON CITY	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912167	CHICO	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912271	FOSTER ISLAND	Mapped
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912178	NORD	Mapped
Animals - Fish	Oncorhynchus mykiss irideus pop. 11									

Animals - Insects	Anthicus sacramento	Sacramento anthicid beetle	IICOL49010	None	None	-	-	3912168	ORD FERRY	Mapped
Animals - Insects	Bombus crotchii	Crotch bumble bee	IHYM24480	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912271	FOSTER ISLAND	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912168	ORD FERRY	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912261	HAMILTON CITY	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912157	NELSON	Unprocessed
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912251	GLENN	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912167	CHICO	Mapped
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912167	CHICO	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912251	GLENN	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912158	LLANO SECO	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912157	NELSON	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912261	HAMILTON CITY	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912271	FOSTER ISLAND	Unprocessed
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912178	NORD	Unprocessed
Animals - Mammals	Erithizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Mammals	Erithizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912178	NORD	Mapped
Animals - Mammals	Erithizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Mammals	Erithizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Mammals	Erithizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912157	NELSON	Mapped
Animals - Mammals	Erithizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912251	GLENN	Mapped and Unprocessed
Animals - Mammals	Erithizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912167	CHICO	Mapped
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912167	CHICO	Mapped
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912168	ORD FERRY	Mapped
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912178	NORD	Mapped
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912178	NORD	Unprocessed
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912271	FOSTER ISLAND	Unprocessed
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3912158	LLANO SECO	Mapped
Animals - Mammals	Taxidea taxus	American badger	AMAJF04010	None	None	SSC	-	3912157	NELSON	Mapped
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3912167	CHICO	Mapped
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3912168	ORD FERRY	Unprocessed
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912167	CHICO	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912168	ORD FERRY	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912158	LLANO SECO	Mapped
Animals - Mammals	Lasiurus blossevillii	western red bat	AMACC05060	None	None	SSC	-	3912168	ORD FERRY	Mapped
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3912168	ORD FERRY	Mapped
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3912167	CHICO	Mapped
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3912158	LLANO SECO	Mapped
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912168	ORD FERRY	Mapped
Animals - Mollusks	Margaritifera falcata	western pearlshell	IMBIV27020	None	None	-	-	3912167	CHICO	Unprocessed
Animals - Mollusks	Anodonta californiensis	California floater	IMBIV04220	None	None	-	-	3912168	ORD FERRY	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912168	ORD FERRY	Mapped and Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912167	CHICO	Mapped
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912158	LLANO SECO	Unprocessed
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912157	NELSON	Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912157	NELSON	Mapped and Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912158	LLANO SECO	Mapped and Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912251	GLENN	Mapped and Unprocessed
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912168	ORD FERRY	Mapped
Animals - Reptiles	Thamnophis gigas	giant gartersnake	ARADB36150	Threatened	Threatened	-	-	3912261	HAMILTON CITY	Mapped
Community - Terrestrial	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	-	-	3912168	ORD FERRY	Mapped
Community - Terrestrial	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	-	-	3912271	FOSTER ISLAND	Mapped
Community - Terrestrial	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	-	-	3912251	GLENN	Mapped
Community - Terrestrial	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	-	-	3912158	LLANO SECO	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912158	LLANO SECO	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912251	GLENN	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912271	FOSTER ISLAND	Mapped
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912168	ORD FERRY	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912168	ORD FERRY	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912271	FOSTER ISLAND	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912251	GLENN	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912167	CHICO	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912158	LLANO SECO	Mapped
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912157	NELSON	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912157	NELSON	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912158	LLANO SECO	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912167	CHICO	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912271	FOSTER ISLAND	Mapped
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912168	ORD FERRY	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912168	ORD FERRY	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912271	FOSTER ISLAND	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912251	GLENN	Mapped
Community - Terrestrial	Great Valley Willow Scrub	Great Valley Willow Scrub	CTT63410CA	None	None	-	-	3912158	LLANO SECO	Mapped
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3912178	NORD	Mapped
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Plants - Bryophytes	Campylopodia stenocarpa	flagella-like atractylocarpus	NBMUS84010	None	None	-	2B.2	3912177	RICHARDSON SPRINGS	Mapped
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3912167	CHICO	Mapped
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912167	CHICO	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912177	RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Centromadia parryi ssp. rudis	Parry's rough tarplant	PDAST4R0P3	None	None	-	4.2	3912158	LLANO SECO	Unprocessed
Plants - Vascular	Centromadia parryi ssp. rudis	Parry's rough tarplant	PDAST4R0P3	None	None	-	4.2	3912251	GLENN	Unprocessed
Plants - Vascular	Hesperervax caulescens	hogwallow starfish	PDASTE5020	None	None	-	4.2	3912158	LLANO SECO	Unprocessed
Plants - Vascular	Hesperervax caulescens	hogwallow starfish	PDASTE5020	None	None	-	4.2	3912177	RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Hesperervax caulescens	hogwallow starfish	PDASTE5020	None	None	-	4.2	3912178	NORD	Unprocessed
Plants - Vascular	Lasthenia ferrisiae	Ferris' goldfield	PDAST5L070	None	None	-	4.2	3912157	NELSON	Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	4.2	3912158	LLANO SECO	Unprocessed
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZO01030	None	None	-	4.2	3912157	NELSON	Unprocessed
Plants - Vascular	Cryptantha crinita	silky cryptantha	PDBOROAOQ0	None	None	-	1B.2	3912168	ORD FERRY	Mapped
Plants - Vascular	Cryptantha rostellata	red-stemmed cryptantha	PDBOROAZM1	None	None	-	4.2	3912167	CHICO	Unprocessed
Plants - Vascular	Brasenia schreberi	watershield	PDCAB01010	None	None	-	2B.3	3912158	LLANO SECO	Mapped
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	Rhynchospora californica	California beaked-rush	PMCYPON060	None	None	-	1B.1	3912177	RICHARDSON SPRINGS	Mapped
Plants - Vascular	Euphorbia hooveri	Hoover's spurge	PDEUP0D150	Threatened	None	-	1B.2	3912178	NORD	Mapped
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912178	NORD	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912177	RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912167	CHICO	Unprocessed
Plants - Vascular	Astragalus tener var. ferrisiae	Ferris' milk-vetch	PDFAB0F8R3	None	None	-	1B.1	3912158	LLANO SECO	Mapped
Plants - Vascular	Astragalus tener var. ferrisiae	Ferris' milk-vetch	PDFAB0F8R3	None	None	-	1B.1	3912178	NORD	Mapped
Plants - Vascular	Juncus leiopermus var. leiopermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912177	RICHARDSON SPRINGS	Mapped
Plants - Vascular	Wolffia brasiliensis	Brazilian watermeal	PMLEM03020	None	None	-	2B.3	3912261	HAMILTON CITY	Mapped
Plants - Vascular	Wolffia brasiliensis	Brazilian watermeal	PMLEM03020	None	None	-	2B.3	3912168	ORD FERRY	Mapped
Plants - Vascular	Wolffia brasiliensis	Brazilian watermeal	PMLEM03020	None	None	-	2B.3	3912158	LLANO SECO	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	3.2	3912167	CHICO	Mapped
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912167	CHICO	Mapped
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912178	NORD	Mapped
Plants - Vascular	Limnanthes floccosa ssp. californica	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	Limnanthes floccosa ssp. californica	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912178	NORD	Mapped and Unprocessed
Plants - Vascular	Limnanthes floccosa ssp. californica	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912167	CHICO	Mapped
Plants - Vascular	Limnanthes floccosa ssp. floccosa	woolly meadowfoam	PDLIM02043	None	None	-	4.2	3912178	NORD	Mapped and Unprocessed
Plants - Vascular	Limnanthes floccosa ssp. floccosa	woolly meadowfoam	PDLIM02043	None	None	-	4.2	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	Hibiscus lasiocarpus var. occidentalis	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912177	RICHARDSON SPRINGS	Mapped

Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912168 ORD FERRY	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912158 LLANO SECO	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0H0R3	None	None	-	1B.2	3912157 NELSON	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912167 CHICO	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-	4.3	3912167 CHICO	Unprocessed
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCR0D482	None	None	-	1B.2	3912178 NORD	Mapped
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCR0D482	None	None	-	1B.2	3912261 HAMILTON CITY	Mapped
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912168 ORD FERRY	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912178 NORD	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912167 CHICO	Unprocessed
Plants - Vascular	<i>Imperata brevifolia</i>	California satintail	PMPOA3D020	None	None	-	2B.1	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912178 NORD	Mapped
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912158 LLANO SECO	Mapped
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-	4.3	3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-	4.3	3912178 NORD	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	northern slender pondweed	PMPOA3D020	None	None	-	2B.2	3912167 CHICO	Mapped
Plants - Vascular	<i>Delphinium recurvatum</i>	recurved larkspur	PDRAN0B1J0	None	None	-	1B.2	3912157 NELSON	Mapped
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOC0K2	None	None	-	4.2	3912167 CHICO	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLILOC0K2	None	None	-	4.2	3912178 NORD	Unprocessed

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Status	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912186	COHASSET	Mapped	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912185	STIRLING CITY	Mapped	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912184	KIMSHEW POINT	Mapped	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912176	PARADISE WEST	Mapped and Unprocessed	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912175	PARADISE EAST	Mapped and Unprocessed	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912174	PULGA	Mapped and Unprocessed	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912166	HAMLIN CANYON	Mapped	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912165	CHEROKEE	Mapped and Unprocessed	
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912164	BERRY CREEK	Mapped and Unprocessed	
Animals - Amphibians	Rana cascadae	Cascades frog	AAABH01060	None	Candidate Endangered	SSC	-	3912184	KIMSHEW POINT	Mapped	
Animals - Amphibians	Rana draytonii	California red-legged frog	AAABH01022	Threatened	None	SSC	-	3912164	BERRY CREEK	Mapped and Unprocessed	
Animals - Amphibians	Rana sierrae	Sierra Nevada yellow-legged frog	AAABH01340	Endangered	Threatened	WL	-	3912184	KIMSHEW POINT	Unprocessed	
Animals - Amphibians	Spea hammondi	western spadefoot	AAABF02020	None	None	SSC	-	3912165	CHEROKEE	Mapped	
Animals - Amphibians	Spea hammondi	western spadefoot	AAABF02020	None	None	SSC	-	3912166	HAMLIN CANYON	Mapped	
Animals - Birds	Accipiter gentilis	northern goshawk	ABNKC12060	None	None	SSC	-	3912184	KIMSHEW POINT	Mapped and Unprocessed	
Animals - Birds	Accipiter gentilis	northern goshawk	ABNKC12060	None	None	SSC	-	3912185	STIRLING CITY	Unprocessed	
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912176	PARADISE WEST	Unprocessed	
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912165	CHEROKEE	Unprocessed	
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912164	BERRY CREEK	Unprocessed	
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912164	BERRY CREEK	Mapped and Unprocessed	
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912166	HAMLIN CANYON	Unprocessed	
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912174	PULGA	Unprocessed	
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912175	PARADISE EAST	Mapped and Unprocessed	
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912176	PARADISE WEST	Mapped	
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912174	PULGA	Unprocessed	
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912166	HAMLIN CANYON	Mapped	
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912165	CHEROKEE	Unprocessed	
Animals - Birds	Antigone canadensis tabida	greater sandhill crane	ABNKM01014	None	Threatened	FP	-	3912166	HAMLIN CANYON	Unprocessed	
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX0020	None	Threatened	SSC	-	3912165	CHEROKEE	Mapped	
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912165	CHEROKEE	Unprocessed	
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912166	HAMLIN CANYON	Unprocessed	
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912164	BERRY CREEK	Unprocessed	
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912174	PULGA	Unprocessed	
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912185	STIRLING CITY	Mapped	
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912176	PARADISE WEST	Mapped and Unprocessed	
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912166	HAMLIN CANYON	Mapped and Unprocessed	
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912165	CHEROKEE	Mapped	
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed	
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed	
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912166	HAMLIN CANYON	Unprocessed	
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912176	PARADISE WEST	Unprocessed	
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912164	BERRY CREEK	Mapped	
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912174	PULGA	Mapped	
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912175	PARADISE EAST	Mapped	
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912184	KIMSHEW POINT	Mapped	
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912185	STIRLING CITY	Mapped	
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912186	COHASSET	Mapped	
Animals - Crustaceans	Stygobromus gallowayae	Galloway's amphipod	ICMAL05E10	None	None	-	-	3912186	COHASSET	Mapped	
Animals - Crustaceans	Stygobromus gallowayae	Galloway's amphipod	ICMAL05E10	None	None	-	-	3912176	PARADISE WEST	Mapped	
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912166	HAMLIN CANYON	Mapped	
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912165	CHEROKEE	Mapped	
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912164	BERRY CREEK	Unprocessed	
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912174	PULGA	Unprocessed	
Animals - Fish	Cottus gulosus	riffle sculpin	AFC4E02140	None	None	SSC	-	3912176	PARADISE WEST	Unprocessed	
Animals - Fish	Hesperoleucus symmetricus symmetricus	central California roach	AFCJB19021	None	None	SSC	-	3912176	PARADISE WEST	Unprocessed	
Animals - Fish	Hesperoleucus symmetricus symmetricus	central California roach	AFCJB19021	None	None	SSC	-	3912186	COHASSET	Unprocessed	
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCJB25010	None	None	SSC	-	3912174	PULGA	Mapped and Unprocessed	
Animals - Fish	Mylopharodon conocephalus	hardhead	AFCJB25010	None	None	SSC	-	3912164	BERRY CREEK	Unprocessed	
Animals - Fish	Hysteroecarpus traskii traskii	Sacramento-San Joaquin tule perch	AFCQK02012	None	None	-	-	3912166	HAMLIN CANYON	Unprocessed	
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCOA0209K	Threatened	None	-	-	3912166	HAMLIN CANYON	Mapped and Unprocessed	
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCOA0209K	Threatened	None	-	-	3912186	COHASSET	Mapped and Unprocessed	
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCOA0209K	Threatened	None	-	-	3912176	PARADISE WEST	Mapped and Unprocessed	
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCOA0205L	Threatened	Threatened	-	-	3912176	PARADISE WEST	Mapped and Unprocessed	
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCOA0205L	Threatened	Threatened	-	-	3912185	STIRLING CITY	Unprocessed	
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCOA0205L	Threatened	Threatened	-	-	3912186	COHASSET	Mapped	
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run ESU	AFCOA0205L	Threatened	Threatened	-	-	3912166	HAMLIN CANYON	Mapped and Unprocessed	
Animals - Insects	Bombus croceus	Crotch bumble bee	IIHYM24480	None	None	-	-	3912165	CHEROKEE	Mapped	
Animals - Insects	Bombus occidentalis	western bumble bee	IIHYM24250	None	None	-	-	3912165	CHEROKEE	Mapped	
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912174	PULGA	Mapped	
Animals - Insects	Atractelmis wawona	Wawona riffle beetle	IICOL58010	None	None	-	-	3912176	PARADISE WEST	Mapped	
Animals - Insects	Atractelmis wawona	Wawona riffle beetle	IICOL58010	None	None	-	-	3912185	STIRLING CITY	Mapped	
Animals - Insects	Atractelmis wawona	Wawona riffle beetle	IICOL58010	None	None	-	-	3912186	COHASSET	Mapped	
Animals - Mammals	Aplodontia rufa californica	Sierra Nevada mountain beaver	AMAF01013	None	None	SSC	-	3912184	KIMSHEW POINT	Mapped	
Animals - Mammals	Canis lupus	gray wolf	AMAJA01030	Endangered	Endangered	-	-	3912184	KIMSHEW POINT	Unprocessed	
Animals - Mammals	Canis lupus	gray wolf	AMAJA01030	Endangered	Endangered	-	-	3912174	PULGA	Unprocessed	
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912166	HAMLIN CANYON	Mapped	
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912186	COHASSET	Mapped and Unprocessed	
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912176	PARADISE WEST	Mapped	
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912175	PARADISE EAST	Unprocessed	
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912186	COHASSET	Unprocessed	
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912184	KIMSHEW POINT	Unprocessed	
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912185	STIRLING CITY	Unprocessed	
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912174	PULGA	Unprocessed	
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3912164	BERRY CREEK	Mapped	
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912174	PULGA	Mapped	
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912175	PARADISE EAST	Mapped	
Animals - Mammals	Lasiurus blossevillii	western red bat	AMACC05060	None	None	SSC	-	3912185	STIRLING CITY	Mapped	
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3912174	PULGA	Mapped	
Animals - Mammals	Myotis thysanodes	fringed myotis	AMACC01090	None	None	-	-	3912164	BERRY CREEK	Mapped	
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912185	STIRLING CITY	Mapped	
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912176	PARADISE WEST	Mapped	
Animals - Mollusks	Monadenia churchi	Klamath sideband	IMGASC7010	None	None	-	-	3912185	STIRLING CITY	Unprocessed	
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912186	COHASSET	Unprocessed	
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912175	PARADISE EAST	Unprocessed	
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912176	PARADISE WEST	Mapped and Unprocessed	
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912164	BERRY CREEK	Mapped and Unprocessed	
Animals - Reptiles	Emys marmorata	western pond turtle	ARAAD02030	None	None	SSC	-	3912174	PULGA	Mapped and Unprocessed	
Animals - Reptiles	Phrynosoma blainvillii	coast horned lizard	ARACF12100	None	None	SSC	-	3912166	HAMLIN CANYON	Mapped and Unprocessed	
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912166	HAMLIN CANYON	Mapped	
Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912165	CHEROKEE	Mapped	
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912165	CHEROKEE	Mapped	
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3912166	HAMLIN CANYON	Mapped	
Plants - Bryophytes	Anomobryum julaceum	slender silver moss	NBMUS80010	None	None	-	-	4.2	3912174	PULGA	Mapped and Unprocessed
Plants - Bryophytes	Mielichhoferia elongata	elongate copper moss	NBMUS4Q022	None	None	-	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Lichens	Peltigera gowardii	western waterfan lichen	NLVER00460	None	None	-	-	4.2	3912174	PULGA	Unprocessed
Plants - Vascular	Sagittaria sanfordii	Sanford's arrowhead	PMALI040Q0	None	None	-	1B.2	3912164	BERRY CREEK	Mapped	
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLLI022V0	None	None	-	1B.2	3912164	BERRY CREEK	Mapped and Unprocessed	
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLLI022V0	None	None	-	1B.2	3912165	CHEROKEE	Mapped	
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLLI022V0	None	None	-	1B.2	3912174	PULGA	Mapped and Unprocessed	
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLLI022V0	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed	
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLLI022V0	None	None	-	1B.2	3912185	STIRLING CITY	Mapped	
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLLI02212	None	None	-	-	4.2	3912185	STIRLING CITY	Unprocessed
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLLI02212	None	None	-	-	4.2	3912186	COHASSET	Unprocessed
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLLI02212	None	None	-	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLLI02212	None	None	-	-	4.2	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Perideridia bacigalupi	Bacigalupi's yampah	PDAST1N020	None	None	-	-	4.2	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912164	BERRY CREEK	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Calycadenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912166	HAMLIN CANYON	Unprocessed

Plants - Vascular	<i>Calycaenia oppositifolia</i>	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Calycaenia oppositifolia</i>	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Calycaenia oppositifolia</i>	Butte County calycadenia	PDAST1P070	None	None	-	4.2	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Erigeron petrophilus</i> var. <i>sierrensis</i>	northern Sierra daisy	PDAST3M351	None	None	-	4.3	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Erigeron petrophilus</i> var. <i>sierrensis</i>	northern Sierra daisy	PDAST3M351	None	None	-	4.3	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Hespererax caulescens</i>	hogwallow starfish	PDASTE5020	None	None	-	4.2	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Hespererax caulescens</i>	hogwallow starfish	PDASTE5020	None	None	-	4.2	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Layia septentrionalis</i>	Colusa layia	PDAST5N0F0	None	None	-	18.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort	PDAST8H182	None	None	-	18.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort	PDAST8H182	None	None	-	18.2	3912164 BERRY CREEK	Mapped and Unprocessed
Plants - Vascular	<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort	PDAST8H182	None	None	-	18.2	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort	PDAST8H182	None	None	-	18.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	<i>Azolla microphylla</i>	Mexican mosquito fern	PPAZO01030	None	None	-	4.2	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	PDBRA0K181	None	None	-	18.2	3912174 PULGA	Mapped
Plants - Vascular	<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	PDBRA0K181	None	None	-	18.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	PDBRA0K181	None	None	-	18.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	PDBRA0K181	None	None	-	18.2	3912185 STIRLING CITY	Mapped
Plants - Vascular	<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	PDBRA0K181	None	None	-	18.2	3912186 COHASSET	Mapped
Plants - Vascular	<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	PDBRA0K181	None	None	-	18.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	PDBRA0K181	None	None	-	18.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Streptanthus drepanoides</i>	sickle-fruit jewelflower	PDBRA2G200	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Streptanthus longisiliquus</i>	long-fruit jewelflower	PDBRA2G400	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Streptanthus longisiliquus</i>	long-fruit jewelflower	PDBRA2G400	None	None	-	4.3	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Githopsis pulchella</i> ssp. <i>serpentinicola</i>	serpentine bluecup	PDCAM07053	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Eremogone cliftonii</i>	Clifton's eremogone	PDCAR17010	None	None	-	18.3	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Eremogone cliftonii</i>	Clifton's eremogone	PDCAR17010	None	None	-	18.3	3912184 KIMSHAW POINT	Mapped and Unprocessed
Plants - Vascular	<i>Stellaria obtusa</i>	obtuse starwort	PDCAR0X0U0	None	None	-	4.3	3912184 KIMSHAW POINT	Mapped and Unprocessed
Plants - Vascular	<i>Stellaria obtusa</i>	obtuse starwort	PDCAR0X0U0	None	None	-	4.3	3912164 BERRY CREEK	Mapped and Unprocessed
Plants - Vascular	<i>Calystegia atriplicifolia</i> ssp. <i>buttensis</i>	Butte County morning-glory	PDCON04012	None	None	-	4.2	3912184 KIMSHAW POINT	Mapped
Plants - Vascular	<i>Calystegia atriplicifolia</i> ssp. <i>buttensis</i>	Butte County morning-glory	PDCON04012	None	None	-	4.2	3912186 COHASSET	Mapped and Unprocessed
Plants - Vascular	<i>Calystegia atriplicifolia</i> ssp. <i>buttensis</i>	Butte County morning-glory	PDCON04012	None	None	-	4.2	3912185 STIRLING CITY	Mapped and Unprocessed
Plants - Vascular	<i>Calystegia atriplicifolia</i> ssp. <i>buttensis</i>	Butte County morning-glory	PDCON04012	None	None	-	4.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Calystegia atriplicifolia</i> ssp. <i>buttensis</i>	Butte County morning-glory	PDCON04012	None	None	-	4.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	<i>Sedum albomarginatum</i>	Feather River stonecrop	PDCRA0A030	None	None	-	18.2	3912174 PULGA	Mapped
Plants - Vascular	<i>Hesperocyparis bakeri</i>	Baker cypress	PGCUP04020	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Bulbostylis capillaris</i>	thread-leaved beakseed	PMCYP02020	None	None	-	4.2	3912184 KIMSHAW POINT	Unprocessed
Plants - Vascular	<i>Bulbostylis capillaris</i>	thread-leaved beakseed	PMCYP02020	None	None	-	4.2	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Bulbostylis capillaris</i>	thread-leaved beakseed	PMCYP02020	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Carex xerophila</i>	chaparral sedge	PMCPY03M60	None	None	-	18.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	<i>Eriophorum gracile</i>	slender cottongrass	PMCPY0A080	None	None	-	4.3	3912184 KIMSHAW POINT	Unprocessed
Plants - Vascular	<i>Rhynchospora californica</i>	California beaked-rush	PMCPY0N060	None	None	-	18.1	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Rhynchospora capitellata</i>	brownish beaked-rush	PMCPY0N080	None	None	-	28.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Rhynchospora capitellata</i>	brownish beaked-rush	PMCPY0N080	None	None	-	28.2	3912184 KIMSHAW POINT	Mapped
Plants - Vascular	<i>Rhynchospora capitellata</i>	brownish beaked-rush	PMCPY0N080	None	None	-	28.2	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Arctostaphylos mewukka</i> ssp. <i>truei</i>	True's manzanita	PDERI040Q2	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Arctostaphylos mewukka</i> ssp. <i>truei</i>	True's manzanita	PDERI040Q2	None	None	-	4.2	3912185 STIRLING CITY	Unprocessed
Plants - Vascular	<i>Arctostaphylos mewukka</i> ssp. <i>truei</i>	True's manzanita	PDERI040Q2	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Arctostaphylos mewukka</i> ssp. <i>truei</i>	True's manzanita	PDERI040Q2	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Euphorbia hooveri</i>	Hoover's spurge	PDEUP0D150	Threatened	None	-	18.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Astragalus pauperculus</i>	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Astragalus pauperculus</i>	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Astragalus pauperculus</i>	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Astragalus pauperculus</i>	depauperate milk-vetch	PDFAB0F6N0	None	None	-	4.3	3912186 COHASSET	Unprocessed
Plants - Vascular	<i>Rupertia hallii</i>	Hall's rupertia	PDFAB62010	None	None	-	18.2	3912186 COHASSET	Mapped and Unprocessed
Plants - Vascular	<i>Rupertia hallii</i>	Hall's rupertia	PDFAB62010	None	None	-	18.2	3912185 STIRLING CITY	Mapped
Plants - Vascular	<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush	PMJUN011L2	None	None	-	18.1	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Monardella venosa</i>	veiny monardella	PDLAM18082	None	None	-	18.1	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Monardella venosa</i>	veiny monardella	PDLAM18082	None	None	-	18.1	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Calochortus syntrophus</i>	Callahan's mariposa-lily	PMLL0D150	None	None	-	18.1	3912186 COHASSET	Mapped
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912186 COHASSET	Mapped
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912184 KIMSHAW POINT	Mapped
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912185 STIRLING CITY	Mapped and Unprocessed
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912165 CHEROKEE	Mapped and Unprocessed
Plants - Vascular	<i>Fritillaria eastwoodiae</i>	Butte County fritillary	PMLL0V060	None	None	-	3.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLL1A071	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLL1A071	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLL1A071	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLL1A071	None	None	-	4.2	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLL1A071	None	None	-	4.2	3912185 STIRLING CITY	Unprocessed
Plants - Vascular	<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	PMLL1A071	None	None	-	4.2	3912186 COHASSET	Unprocessed
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	18.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	PDMAL0HOR3	None	None	-	18.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Sidalcea gigantea</i>	giant checkerbloom	PDMAL110T0	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Sidalcea gigantea</i>	giant checkerbloom	PDMAL110T0	None	None	-	4.3	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Sidalcea gigantea</i>	giant checkerbloom	PDMAL110T0	None	None	-	4.3	3912185 STIRLING CITY	Unprocessed
Plants - Vascular	<i>Sidalcea gigantea</i>	giant checkerbloom	PDMAL110T0	None	None	-	4.3	3912184 KIMSHAW POINT	Unprocessed
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	18.2	3912186 COHASSET	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	18.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	18.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Sidalcea robusta</i>	Butte County checkerbloom	PDMAL110P0	None	None	-	18.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-	4.3	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-	4.3	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-	4.3	3912186 COHASSET	Unprocessed
Plants - Vascular	<i>Claytonia palustris</i>	marsh claytonia	PDPOR030S0	None	None	-	4.3	3912185 STIRLING CITY	Unprocessed
Plants - Vascular	<i>Claytonia parviflora</i> ssp. <i>grandiflora</i>	streambank spring beauty	PDPOR030D1	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Claytonia parviflora</i> ssp. <i>grandiflora</i>	streambank spring beauty	PDPOR030D1	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Lewisia cantelovii</i>	Cantelow's lewisia	PDPOR04020	None	None	-	18.2	3912174 PULGA	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	18.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	18.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	18.2	3912174 PULGA	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	18.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	18.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	18.2	3912185 STIRLING CITY	Unprocessed
Plants - Vascular	<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	PDONA050J1	None	None	-	18.2	3912186 COHASSET	Mapped
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>lutescens</i>	golden-anthered clarkia	PDONA050Q1	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>lutescens</i>	golden-anthered clarkia	PDONA050Q1	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>lutescens</i>	golden-anthered clarkia	PDONA050Q1	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	18.3	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	18.3	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	18.3	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	18.3	3912186 COHASSET	Mapped
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	18.3	3912185 STIRLING CITY	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	PDONA050Q2	None	None	-	18.3	3912184 KIMSHAW POINT	Mapped
Plants - Vascular	<i>Clarkia mosquinii</i>	Mosquin's clarkia	PDONA050S0	None	None	-	18.1	3912185 STIRLING CITY	Mapped
Plants - Vascular	<i>Clarkia mosquinii</i>	Mosquin's clarkia	PDONA050S0	None	None	-	18.1	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia mosquinii</i>	Mosquin's clarkia	PDONA050S0	None	None	-	18.1	3912164 BERRY CREEK	Mapped and Unprocessed
Plants - Vascular	<i>Clarkia mosquinii</i>	Mosquin's clarkia	PDONA050S0	None	None	-	18.1	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Botrychium crenulatum</i>	scalloped moonwort	PPOPH010L0	None	None	-	28.2	3912184 KIMSHAW POINT	Mapped
Plants - Vascular	<i>Botrychium minganense</i>	Mingan moonwort	PPOPH010R0	None	None	-	28.2	3912184 KIMSHAW POINT	Mapped
Plants - Vascular	<i>Botrychium montanum</i>	western goblin	PPOPH010K0	None	None	-	28.1	3912184 KIMSHAW POINT	Mapped
Plants - Vascular	<i>Cypripedium californicum</i>	California lady's-slipper	PMORCOQ040	None	None	-	4.2	3912184 KIMSHAW POINT	Unprocessed
Plants - Vascular	<i>Cypripedium californicum</i>	California lady's-slipper	PMORCOQ040	None	None				

Plants - Vascular	<i>Piperia colemanii</i>	Coleman's rein orchid	PMORC1X080	None	None	-	4.3	3912185 STIRLING CITY	Unprocessed
Plants - Vascular	<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	PDSCR0D482	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Erythranthe filicifolia</i>	fern-leaved monkeyflower	PDPHR01150	None	None	-	1B.2	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Erythranthe filicifolia</i>	fern-leaved monkeyflower	PDPHR01150	None	None	-	1B.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912185 STIRLING CITY	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912186 COHASSET	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Erythranthe glaucescens</i>	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-	4.3	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Erythranthe inconspicua</i>	small-flowered monkeyflower	PDSCR1B1F0	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Erythranthe inconspicua</i>	small-flowered monkeyflower	PDSCR1B1F0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Penstemon personatus</i>	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912174 PULGA	Mapped
Plants - Vascular	<i>Penstemon personatus</i>	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Penstemon personatus</i>	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912185 STIRLING CITY	Mapped
Plants - Vascular	<i>Penstemon personatus</i>	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912184 KIMSHEW POINT	Mapped
Plants - Vascular	<i>Agrostis hendersonii</i>	Henderson's bent grass	PMPOA040K0	None	None	-	3.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Imperata brevifolia</i>	California satintail	PMPOA3D020	None	None	-	2B.1	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Poa sierrae</i>	Sierra blue grass	PMPOA4Z310	None	None	-	1B.3	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Poa sierrae</i>	Sierra blue grass	PMPOA4Z310	None	None	-	1B.3	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Tuctoria greenei</i>	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	<i>Leptosiphon ambiguus</i>	serpentine leptosiphon	PDPLM09020	None	None	-	4.2	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Leptosiphon ambiguus</i>	serpentine leptosiphon	PDPLM09020	None	None	-	4.2	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Navarretia heterandra</i>	Tehama navarretia	PDPLM0C0A0	None	None	-	4.3	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912164 BERRY CREEK	Mapped
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912174 PULGA	Mapped and Unprocessed
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912185 STIRLING CITY	Mapped
Plants - Vascular	<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912186 COHASSET	Mapped and Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912186 COHASSET	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912176 PARADISE WEST	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Polygonum bidwelliae</i>	Bidwell's knotweed	PDPGN0L0C0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Aspidotis carlotta-halliae</i>	Carlotta Hall's lace fern	PPAD107020	None	None	-	4.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry	PDRHA0H061	None	None	-	1B.2	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry	PDRHA0H061	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLL0C0K2	None	None	-	4.2	3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	<i>Brodiaea rosea</i> ssp. <i>vallicola</i>	valley brodiaea	PMLL0C0K2	None	None	-	4.2	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLL0C0J0	None	None	-	4.3	3912165 CHEROKEE	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLL0C0J0	None	None	-	4.3	3912164 BERRY CREEK	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLL0C0J0	None	None	-	4.3	3912174 PULGA	Unprocessed
Plants - Vascular	<i>Brodiaea sierrae</i>	Sierra foothills brodiaea	PMLL0C0J0	None	None	-	4.3	3912175 PARADISE EAST	Unprocessed
Plants - Vascular	<i>Viola tomentosa</i>	felt-leaved violet	PDVIO04280	None	None	-	4.2	3912164 BERRY CREEK	Unprocessed

Element_Type	Scientific_Name	Common_Name	Element_Code	Federal_Statu	State_Status	CDFW_Status	CA_Rare_Plant_Rank	Quad_Code	Quad_Name	Data_Status
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912186	COHASSET	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912185	STIRLING CITY	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912175	PARADISE EAST	Mapped and Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912167	CHICO	Unprocessed
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912166	HAMLIN CANYON	Mapped
Animals - Amphibians	Rana boylei	foothill yellow-legged frog	AAABH01050	None	Endangered	SSC	-	3912165	CHEROKEE	Mapped and Unprocessed
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912165	CHEROKEE	Mapped
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912166	HAMLIN CANYON	Mapped
Animals - Amphibians	Spea hammondii	western spadefoot	AAABF02020	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Birds	Accipiter gentilis	northern goshawk	ABNKC12060	None	None	SSC	-	3912185	STIRLING CITY	Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912176	PARADISE WEST	Unprocessed
Animals - Birds	Aquila chrysaetos	golden eagle	ABNKC22010	None	None	FP ; WL	-	3912165	CHEROKEE	Unprocessed
Animals - Birds	Buteo swainsoni	Swainson's hawk	ABNKC19070	None	Threatened	-	-	3912167	CHICO	Mapped
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912167	CHICO	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912175	PARADISE EAST	Mapped and Unprocessed
Animals - Birds	Haliaeetus leucocephalus	bald eagle	ABNKC10010	Delisted	Endangered	FP	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Gymnogyps californianus	California condor	ABNKA03010	Endangered	Endangered	FP	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Gymnogyps californianus	California condor	ABNKA03010	Endangered	Endangered	FP	-	3912167	CHICO	Unprocessed
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912166	HAMLIN CANYON	Mapped
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912165	CHEROKEE	Unprocessed
Animals - Birds	Falco peregrinus anatum	American peregrine falcon	ABNKD06071	Delisted	Delisted	FP	-	3912176	PARADISE WEST	Mapped
Animals - Birds	Antigone canadensis tabida	greater sandhill crane	ABNMC01014	None	Threatened	FP	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Progne subis	purple martin	ABPAU01010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX00020	None	Threatened	SSC	-	3912167	CHICO	Mapped
Animals - Birds	Agelaius tricolor	tricolored blackbird	ABPBX00020	None	Threatened	SSC	-	3912165	CHEROKEE	Mapped
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Icteria virens	yellow-breasted chat	ABPBX24010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912185	STIRLING CITY	Mapped
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912167	CHICO	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Pandion haliaetus	osprey	ABNKC01010	None	None	WL	-	3912165	CHEROKEE	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912167	CHICO	Unprocessed
Animals - Birds	Setophaga petechia	yellow warbler	ABPBX03010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912166	HAMLIN CANYON	Mapped and Unprocessed
Animals - Birds	Laterallus jamaicensis coturniculus	California black rail	ABNME03041	None	Threatened	FP	-	3912165	CHEROKEE	Mapped
Animals - Birds	Asio otus	long-eared owl	ABNSB13010	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912167	CHICO	Mapped and Unprocessed
Animals - Birds	Athene cunicularia	burrowing owl	ABNSB10010	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912176	PARADISE WEST	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912167	CHICO	Unprocessed
Animals - Birds	Strix nebulosa	great gray owl	ABNSB12040	None	Endangered	-	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912175	PARADISE EAST	Mapped
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912185	STIRLING CITY	Mapped
Animals - Birds	Strix occidentalis occidentalis	California Spotted Owl	ABNSB12013	None	None	SSC	-	3912186	COHASSET	Mapped
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3912177	RICHARDSON SPRINGS	Unprocessed
Animals - Birds	Selasphorus rufus	rufous hummingbird	ABNUC51020	None	None	-	-	3912167	CHICO	Unprocessed
Animals - Birds	Vireo bellii pusillus	least Bell's vireo	ABPBW01114	Endangered	Endangered	-	-	3912167	CHICO	Mapped
Animals - Crustaceans	Branchinecta lynchi	vernal pool fairy shrimp	ICBRA03030	Threatened	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Linderiella occidentalis	California linderiella	ICBRA06010	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Stygobromus gallawayae	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Crustaceans	Stygobromus gallawayae	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912176	PARADISE WEST	Mapped
Animals - Crustaceans	Stygobromus gallawayae	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912187	CAMPBELL MOUND	Mapped
Animals - Crustaceans	Stygobromus gallawayae	Gallaway's amphipod	ICMAL05E10	None	None	-	-	3912186	COHASSET	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912167	CHICO	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912166	HAMLIN CANYON	Mapped
Animals - Crustaceans	Lepidurus packardii	vernal pool tadpole shrimp	ICBRA10010	Endangered	None	-	-	3912165	CHEROKEE	Mapped
Animals - Fish	Cottus gulosus	rifle sculpin	AFCE02140	None	None	SSC	-	3912176	PARADISE WEST	Unprocessed
Animals - Fish	Hesperoleucus symmetricus symmetricus	central California roach	AFCJB19021	None	None	SSC	-	3912176	PARADISE WEST	Unprocessed
Animals - Fish	Hesperoleucus symmetricus symmetricus	central California roach	AFCJB19021	None	None	SSC	-	3912186	COHASSET	Unprocessed
Animals - Fish	Hysterocarpus traskii traskii	Sacramento-San Joaquin tule perch	AFCQK02012	None	None	-	-	3912166	HAMLIN CANYON	Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912166	HAMLIN CANYON	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912167	CHICO	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912186	COHASSET	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Animals - Fish	Oncorhynchus mykiss irideus pop. 11	steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	-	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run	EAFCHA0205L	Threatened	Threatened	-	-	3912176	PARADISE WEST	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run	EAFCHA0205L	Threatened	Threatened	-	-	3912185	STIRLING CITY	Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run	EAFCHA0205L	Threatened	Threatened	-	-	3912186	COHASSET	Mapped
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run	EAFCHA0205L	Threatened	Threatened	-	-	3912167	CHICO	Mapped and Unprocessed
Animals - Fish	Oncorhynchus tshawytscha pop. 11	chinook salmon - Central Valley spring-run	EAFCHA0205L	Threatened	Threatened	-	-	3912166	HAMLIN CANYON	Mapped and Unprocessed
Animals - Insects	Bombus crotchii	Crotch bumble bee	IHYM24480	None	None	-	-	3912165	CHEROKEE	Mapped
Animals - Insects	Bombus crotchii	Crotch bumble bee	IHYM24480	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Insects	Bombus occidentalis	western bumble bee	IHYM24250	None	None	-	-	3912165	CHEROKEE	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912167	CHICO	Mapped
Animals - Insects	Desmocerus californicus dimorphus	valley elderberry longhorn beetle	IICOL48011	Threatened	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Insects	Atractelmis wawona	Wawona riffle beetle	IICOL58010	None	None	-	-	3912176	PARADISE WEST	Mapped
Animals - Insects	Atractelmis wawona	Wawona riffle beetle	IICOL58010	None	None	-	-	3912186	COHASSET	Mapped
Animals - Insects	Atractelmis wawona	Wawona riffle beetle	IICOL58010	None	None	-	-	3912185	STIRLING CITY	Mapped
Animals - Mammals	Vulpes vulpes patwin	Sacramento Valley red fox	AMAJA03015	None	None	-	-	3912167	CHICO	Unprocessed
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912166	HAMLIN CANYON	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912167	CHICO	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912186	COHASSET	Mapped and Unprocessed
Animals - Mammals	Erethizon dorsatum	North American porcupine	AMAFJ01010	None	None	-	-	3912176	PARADISE WEST	Mapped
Animals - Mammals	Eumops perotis californicus	western mastiff bat	AMACD02011	None	None	SSC	-	3912167	CHICO	Mapped
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912175	PARADISE EAST	Unprocessed
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912186	COHASSET	Unprocessed
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912187	CAMPBELL MOUND	Unprocessed
Animals - Mammals	Pekania pennanti	Fisher	AMAJF01020	None	None	SSC	-	3912185	STIRLING CITY	Unprocessed
Animals - Mammals	Antrozous pallidus	pallid bat	AMACC10010	None	None	SSC	-	3912167	CHICO	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912167	CHICO	Mapped
Animals - Mammals	Lasionycteris noctivagans	silver-haired bat	AMACC02010	None	None	-	-	3912175	PARADISE EAST	Mapped
Animals - Mammals	Lasiurus blossevillii	western red bat	AMACC05060	None	None	SSC	-	3912185	STIRLING CITY	Mapped
Animals - Mammals	Lasiurus cinereus	hoary bat	AMACC05030	None	None	-	-	3912167	CHICO	Mapped
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912185	STIRLING CITY	Mapped
Animals - Mammals	Myotis yumanensis	Yuma myotis	AMACC01020	None	None	-	-	3912176	PARADISE WEST	Mapped
Animals - Mollusks	Monadenia churchi	Klamath sideband	IMGASC7010	None	None	-	-	3912185	STIRLING CITY	Unprocessed
Animals - Mollusks	Margaritifera falcata	western pearlshell	IMBIV27020	None	None	-</				

Community - Terrestrial	Great Valley Cottonwood Riparian Forest	Great Valley Cottonwood Riparian Forest	CTT61410CA	None	None	-	-	3912166	HAMLIN CANYON	Mapped	
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912167	CHICO	Mapped	
Community - Terrestrial	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	CTT61420CA	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped	
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped	
Community - Terrestrial	Great Valley Valley Oak Riparian Forest	Great Valley Valley Oak Riparian Forest	CTT61430CA	None	None	-	-	3912167	CHICO	Mapped	
Community - Terrestrial	Northern Basalt Flow Vernal Pool	Northern Basalt Flow Vernal Pool	CTT44131CA	None	None	-	-	3912165	CHEROKEE	Mapped	
Community - Terrestrial	Northern Hardpan Vernal Pool	Northern Hardpan Vernal Pool	CTT44110CA	None	None	-	-	3912166	HAMLIN CANYON	Mapped	
Community - Terrestrial	Northern Volcanic Mud Flow Vernal Pool	Northern Volcanic Mud Flow Vernal Pool	CTT44132CA	None	None	-	-	3912177	RICHARDSON SPRINGS	Mapped	
Plants - Bryophytes	Campylopodia stenocarpa	Campylopodia stenocarpa	NBMUS84010	None	None	-	2B.2	3912177	RICHARDSON SPRINGS	Mapped	
Plants - Bryophytes	Mielichhoferia elongata	elongate copper moss	NBMUS4Q022	None	None	-	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912165	CHEROKEE	Mapped	
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed	
Plants - Vascular	Allium jepsonii	Jepson's onion	PMLIL022V0	None	None	-	1B.2	3912185	STIRLING CITY	Mapped	
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLIL02212	None	None	-	-	4.2	3912185	STIRLING CITY	Unprocessed
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLIL02212	None	None	-	-	4.2	3912186	COHASSET	Unprocessed
Plants - Vascular	Allium sanbornii var. sanbornii	Sanborn's onion	PMLIL02212	None	None	-	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Balsamorhiza macrolepis	big-scale balsamroot	PDAST11061	None	None	-	1B.2	3912167	CHICO	Mapped	
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912167	CHICO	Unprocessed
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912166	HAMLIN CANYON	Unprocessed
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912177	RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Calycaenia oppositifolia	Butte County calycadenia	PDAST1P070	None	None	-	-	4.2	3912176	PARADISE WEST	Unprocessed
Plants - Vascular	Erigeron petrophilus var. sierrensis	northern Sierra daisy	PDAST3M351	None	None	-	-	4.3	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Hesperexax caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2	3912177	RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Hesperexax caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Hesperexax caulescens	hogwallow starfish	PDASTE5020	None	None	-	-	4.2	3912166	HAMLIN CANYON	Unprocessed
Plants - Vascular	Layia septentrionalis	Colusa layia	PDAST5N0F0	None	None	-	1B.2	3912165	CHEROKEE	Mapped	
Plants - Vascular	Packera eurycephala var. lewisrosei	Lewis Rose's ragwort	PDAST8H182	None	None	-	1B.2	3912165	CHEROKEE	Mapped	
Plants - Vascular	Packera eurycephala var. lewisrosei	Lewis Rose's ragwort	PDAST8H182	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed	
Plants - Vascular	Azolla microphylla	Mexican mosquito fern	PPAZ001030	None	None	-	-	4.2	3912176	PARADISE WEST	Unprocessed
Plants - Vascular	Cryptantha rostellata	red-stemmed cryptantha	PDBOR0A2M1	None	None	-	-	4.2	3912167	CHICO	Unprocessed
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912165	CHEROKEE	Mapped	
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed	
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912176	PARADISE WEST	Mapped	
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912186	COHASSET	Mapped	
Plants - Vascular	Cardamine pachystigma var. dissectifolia	dissected-leaved toothwort	PDBRA0K1B1	None	None	-	1B.2	3912185	STIRLING CITY	Mapped	
Plants - Vascular	Streptanthus drepanoides	sickle-fruit jewelflower	PDBRA2G200	None	None	-	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Githopsis pulchella ssp. serpenticicola	serpentine bluecup	PDCAM07053	None	None	-	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Paronychia ahartii	Ahart's paronychia	PDCAR0L0V0	None	None	-	1B.1	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed	
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	-	4.2	3912176	PARADISE WEST	Mapped
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	-	4.2	3912175	PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	-	4.2	3912185	STIRLING CITY	Mapped and Unprocessed
Plants - Vascular	Calystegia atriplicifolia ssp. buttensis	Butte County morning-glory	PDCON04012	None	None	-	-	4.2	3912186	COHASSET	Mapped and Unprocessed
Plants - Vascular	Hesperocyparis bakeri	Baker cypress	PGCUP04020	None	None	-	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Bulbostylis capillaris	thread-leaved beakseed	PMCYP02020	None	None	-	-	4.2	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Carex xerophila	chaparral sedge	PMCYP03M60	None	None	-	1B.2	3912175	PARADISE EAST	Mapped and Unprocessed	
Plants - Vascular	Rhynchospora californica	California beaked-rush	PMCYP0N060	None	None	-	1B.1	3912176	PARADISE WEST	Mapped	
Plants - Vascular	Rhynchospora californica	California beaked-rush	PMCYP0N060	None	None	-	1B.1	3912177	RICHARDSON SPRINGS	Mapped	
Plants - Vascular	Rhynchospora capitellata	brownish beaked-rush	PMCYP0N080	None	None	-	2B.2	3912176	PARADISE WEST	Mapped	
Plants - Vascular	Arctostaphylos mewukka ssp. truei	True's manzanita	PDERI040Q2	None	None	-	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Arctostaphylos mewukka ssp. truei	True's manzanita	PDERI040Q2	None	None	-	-	4.2	3912185	STIRLING CITY	Unprocessed
Plants - Vascular	Euphorbia hooveri	Hoover's spurge	PDEUP0D150	Threatened	None	-	1B.2	3912166	HAMLIN CANYON	Mapped	
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3	3912166	HAMLIN CANYON	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3	3912167	CHICO	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3	3912165	CHEROKEE	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3	3912186	COHASSET	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3	3912187	CAMPBELL MOUND	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3	3912176	PARADISE WEST	Unprocessed
Plants - Vascular	Astragalus pauperculus	depauperate milk-vetch	PDFAB0F6N0	None	None	-	-	4.3	3912177	RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Rupertia hallii	Hall's rupertia	PDFAB62010	None	None	-	1B.2	3912186	COHASSET	Mapped and Unprocessed	
Plants - Vascular	Rupertia hallii	Hall's rupertia	PDFAB62010	None	None	-	1B.2	3912185	STIRLING CITY	Mapped	
Plants - Vascular	Juncus leiopermus var. leiopermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912187	CAMPBELL MOUND	Mapped	
Plants - Vascular	Juncus leiopermus var. leiopermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912177	RICHARDSON SPRINGS	Mapped	
Plants - Vascular	Juncus leiopermus var. leiopermus	Red Bluff dwarf rush	PMJUN011L2	None	None	-	1B.1	3912165	CHEROKEE	Mapped	
Plants - Vascular	Monardella venosa	veiny monardella	PDLAM18082	None	None	-	1B.1	3912165	CHEROKEE	Mapped	
Plants - Vascular	Monardella venosa	veiny monardella	PDLAM18082	None	None	-	1B.1	3912166	HAMLIN CANYON	Mapped	
Plants - Vascular	Calochortus syntrophus	Callahan's mariposa-lily	PMLL0D150	None	None	-	1B.1	3912186	COHASSET	Mapped	
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	-	3.2	3912186	COHASSET	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	-	3.2	3912185	STIRLING CITY	Mapped and Unprocessed
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	-	3.2	3912176	PARADISE WEST	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	-	3.2	3912166	HAMLIN CANYON	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	-	3.2	3912167	CHICO	Mapped
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	-	3.2	3912175	PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Fritillaria eastwoodiae	Butte County fritillary	PMLILOV060	None	None	-	-	3.2	3912165	CHEROKEE	Mapped and Unprocessed
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912167	CHICO	Mapped	
Plants - Vascular	Fritillaria pluriflora	adobe-lily	PMLILOV0F0	None	None	-	1B.2	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed	
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	-	4.2	3912176	PARADISE WEST	Unprocessed
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	-	4.2	3912185	STIRLING CITY	Unprocessed
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	-	4.2	3912186	COHASSET	Unprocessed
Plants - Vascular	Lilium humboldtii ssp. humboldtii	Humboldt lily	PMLIL1A071	None	None	-	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Limnanthes floccosa ssp. californica	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912167	CHICO	Mapped	
Plants - Vascular	Limnanthes floccosa ssp. californica	Butte County meadowfoam	PDLIM02042	Endangered	Endangered	-	1B.1	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed	
Plants - Vascular	Limnanthes floccosa ssp. floccosa	woolly meadowfoam	PDLIM02043	None	None	-	-	4.2	3912177	RICHARDSON SPRINGS	Mapped and Unprocessed
Plants - Vascular	Limnanthes floccosa ssp. floccosa	woolly meadowfoam	PDLIM02043	None	None	-	-	4.2	3912187	CAMPBELL MOUND	Mapped
Plants - Vascular	Hibiscus lasiocarpus var. occidentalis	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912177	RICHARDSON SPRINGS	Mapped	
Plants - Vascular	Hibiscus lasiocarpus var. occidentalis	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912176	PARADISE WEST	Mapped	
Plants - Vascular	Hibiscus lasiocarpus var. occidentalis	woolly rose-mallow	PDMAL0HOR3	None	None	-	1B.2	3912166	HAMLIN CANYON	Mapped	
Plants - Vascular	Sidalcea gigantea	giant checkerbloom	PDMAL110T0	None	None	-	-	4.3	3912185	STIRLING CITY	Unprocessed
Plants - Vascular	Sidalcea robusta	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912186	COHASSET	Mapped	
Plants - Vascular	Sidalcea robusta	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912176	PARADISE WEST	Mapped	
Plants - Vascular	Sidalcea robusta	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912177	RICHARDSON SPRINGS	Mapped	
Plants - Vascular	Sidalcea robusta	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912166	HAMLIN CANYON	Mapped	
Plants - Vascular	Sidalcea robusta	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912167	CHICO	Mapped	
Plants - Vascular	Sidalcea robusta	Butte County checkerbloom	PDMAL110P0	None	None	-	1B.2	3912165	CHEROKEE	Mapped	
Plants - Vascular	Claytonia palustris	marsh claytonia	PDPOR03050	None	None	-	-	4.3	3912167	CHICO	Unprocessed
Plants - Vascular	Claytonia palustris	marsh claytonia	PDPOR03050	None	None	-	-	4.3	3912166	HAMLIN CANYON	Unprocessed
Plants - Vascular	Claytonia palustris	marsh claytonia	PDPOR03050	None	None	-	-	4.3	3912176	PARADISE WEST	Unprocessed
Plants - Vascular	Claytonia palustris	marsh claytonia	PDPOR03050	None	None	-	-	4.3	3912186	COHASSET	Unprocessed
Plants - Vascular	Claytonia palustris	marsh claytonia	PDPOR03050	None	None	-	-	4.3	3912185	STIRLING CITY	Unprocessed
Plants - Vascular	Claytonia parviflora ssp. grandiflora	streambank spring beauty	PDPOR030D1	None	None	-	-	4.2	3912175	PARADISE EAST	Unprocessed
Plants - Vascular	Clarkia gracilis ssp. albicaulis	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912175	PARADISE EAST	Mapped	
Plants - Vascular	Clarkia gracilis ssp. albicaulis	white-stemmed clarkia	PDONA050J1	None	None	-	1B.2	3912177	RICHARDSON SPRINGS	Mapped	

Plants - Vascular	Castilleja rubicundula var. rubicundula	pink creamsacs	PDSCR0D482	None	None	-	1B.2	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912167 CHICO	Unprocessed
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912185 STIRLING CITY	Unprocessed
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912186 COHASSET	Unprocessed
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912187 CAMPBELL MOUND	Unprocessed
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Erythranthe glaucescens	shield-bracted monkeyflower	PDSCR1B1B0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Erythranthe inconspicua	small-flowered monkeyflower	PDSCR1B1F0	None	None	-		4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Penstemon personatus	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	Penstemon personatus	closed-throated beardtongue	PDSCR1L4Y0	None	None	-	1B.2	3912185 STIRLING CITY	Mapped
Plants - Vascular	Imperata brevifolia	California satintail	PMPOA3D020	None	None	-	2B.1	3912187 CAMPBELL MOUND	Mapped
Plants - Vascular	Imperata brevifolia	California satintail	PMPOA3D020	None	None	-	2B.1	3912176 PARADISE WEST	Mapped
Plants - Vascular	Imperata brevifolia	California satintail	PMPOA3D020	None	None	-	2B.1	3912177 RICHARDSON SPRINGS	Mapped
Plants - Vascular	Tuctoria greenei	Greene's tuctoria	PMPOA6N010	Endangered	Rare	-	1B.1	3912166 HAMLIN CANYON	Mapped
Plants - Vascular	Leptosiphon ambiguus	serpentine leptosiphon	PDPLM09020	None	None	-		4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Leptosiphon ambiguus	serpentine leptosiphon	PDPLM09020	None	None	-		4.2 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Navarretia heterandra	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Navarretia heterandra	Tehama navarretia	PDPLM0C0A0	None	None	-		4.3 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Eriogonum umbellatum var. ahartii	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912165 CHEROKEE	Mapped
Plants - Vascular	Eriogonum umbellatum var. ahartii	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912175 PARADISE EAST	Mapped and Unprocessed
Plants - Vascular	Eriogonum umbellatum var. ahartii	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912176 PARADISE WEST	Mapped
Plants - Vascular	Eriogonum umbellatum var. ahartii	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912186 COHASSET	Mapped and Unprocessed
Plants - Vascular	Eriogonum umbellatum var. ahartii	Ahart's buckwheat	PDPGN086UY	None	None	-	1B.2	3912185 STIRLING CITY	Mapped
Plants - Vascular	Polygonum bidwelliae	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912186 COHASSET	Unprocessed
Plants - Vascular	Polygonum bidwelliae	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912187 CAMPBELL MOUND	Unprocessed
Plants - Vascular	Polygonum bidwelliae	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912176 PARADISE WEST	Unprocessed
Plants - Vascular	Polygonum bidwelliae	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912177 RICHARDSON SPRINGS	Unprocessed
Plants - Vascular	Polygonum bidwelliae	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912175 PARADISE EAST	Unprocessed
Plants - Vascular	Polygonum bidwelliae	Bidwell's knotweed	PDPGN0L0C0	None	None	-		4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Stuckenia filiformis ssp. alpina	northern slender pondweed	PMPO03091	None	None	-	2B.2	3912167 CHICO	Mapped
Plants - Vascular	Frangula purshiana ssp. ultramafica	Caribou coffeeberry	PDRHA0H061	None	None	-	1B.2	3912175 PARADISE EAST	Mapped
Plants - Vascular	Brodiaea rosea ssp. vallicola	valley brodiaea	PMLLLOC0K2	None	None	-		4.2 3912166 HAMLIN CANYON	Unprocessed
Plants - Vascular	Brodiaea rosea ssp. vallicola	valley brodiaea	PMLLLOC0K2	None	None	-		4.2 3912167 CHICO	Unprocessed
Plants - Vascular	Brodiaea rosea ssp. vallicola	valley brodiaea	PMLLLOC0K2	None	None	-		4.2 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Brodiaea sierrae	Sierra foothills brodiaea	PMLLLOC0J0	None	None	-		4.3 3912165 CHEROKEE	Unprocessed
Plants - Vascular	Brodiaea sierrae	Sierra foothills brodiaea	PMLLLOC0J0	None	None	-		4.3 3912175 PARADISE EAST	Unprocessed



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To:
Consultation Code: 08ESMF00-2021-SLI-2318
Event Code: 08ESMF00-2021-E-06656
Project Name: Paradise Sewer Project

July 14, 2021

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to

utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:

<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>;

<http://www.towerkill.com>; and

www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

<http://>

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

Project Summary

Consultation Code: 08ESMF00-2021-SLI-2318

Event Code: 08ESMF00-2021-E-06656

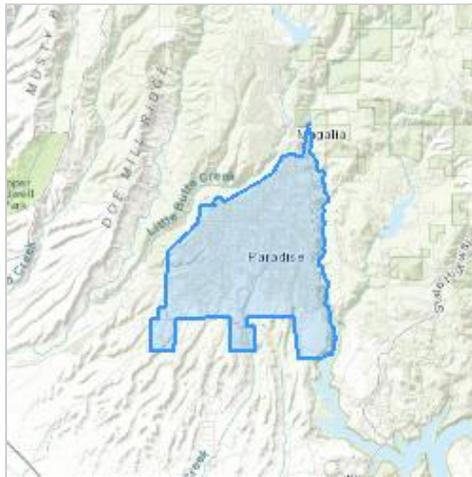
Project Name: Paradise Sewer Project

Project Type: WASTEWATER PIPELINE

Project Description: The Town of Paradise (Town) is proposing to construct a new sewer collection system within the Town, a connection pipeline, and connection to the City of Chico Water Pollution Control Plant. The Paradise Sewer Project would replace individualized septic systems within the Town's parcel boundaries which are managed by property owners. This project includes an extension of wastewater services from expansion of the City of Chico's service area to the Town, as approved by the Butte Local Agency Formation Commission.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@39.76135065,-121.60481243550245,14z>



Counties: Butte County, California

Endangered Species Act Species

There is a total of 10 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Reptiles

NAME	STATUS
Giant Garter Snake <i>Thamnophis gigas</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4482	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened

Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/321	Threatened

Insects

NAME	STATUS
Valley Elderberry Longhorn Beetle <i>Desmocerus californicus dimorphus</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7850	Threatened

Crustaceans

NAME	STATUS
Conservancy Fairy Shrimp <i>Branchinecta conservatio</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8246	Endangered
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp <i>Lepidurus packardi</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2246	Endangered

Flowering Plants

NAME	STATUS
Greene's Tuctoria <i>Tuctoria greenei</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/1573	Endangered
Hairy Orcutt Grass <i>Orcuttia pilosa</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2262	Endangered
Hoover's Spurge <i>Chamaesyce hooveri</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3019	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Sacramento Fish And Wildlife Office
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2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To:
Consultation Code: 08ESMF00-2021-SLI-2317
Event Code: 08ESMF00-2021-E-06654
Project Name: Paradise Sewer Project

July 14, 2021

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, under the jurisdiction of the U.S. Fish and Wildlife Service (Service) that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the Service under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

Please follow the link below to see if your proposed project has the potential to affect other species or their habitats under the jurisdiction of the National Marine Fisheries Service:

http://www.nwr.noaa.gov/protected_species/species_list/species_lists.html

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to

utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:

<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>;

<http://www.towerkill.com>; and

www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

<http://>

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

Project Summary

Consultation Code: 08ESMF00-2021-SLI-2317

Event Code: 08ESMF00-2021-E-06654

Project Name: Paradise Sewer Project

Project Type: WASTEWATER PIPELINE

Project Description: The Town of Paradise (Town) is proposing to construct a new sewer collection system within the Town, a connection pipeline, and connection to the City of Chico Water Pollution Control Plant. The Paradise Sewer Project would replace individualized septic systems within the Town's parcel boundaries which are managed by property owners. This project includes an extension of wastewater services from expansion of the City of Chico's service area to the Town, as approved by the Butte Local Agency Formation Commission.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@39.71290415,-121.71382087144531,14z>



Counties: Butte County, California

Endangered Species Act Species

There is a total of 12 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Birds

NAME	STATUS
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

Reptiles

NAME	STATUS
Giant Garter Snake <i>Thamnophis gigas</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4482	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened

Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/321	Threatened

Insects

NAME	STATUS
Valley Elderberry Longhorn Beetle <i>Desmocerus californicus dimorphus</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/7850	Threatened

Crustaceans

NAME	STATUS
Conservancy Fairy Shrimp <i>Branchinecta conservatio</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/8246	Endangered
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp <i>Lepidurus packardii</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2246	Endangered

Flowering Plants

NAME	STATUS
Butte County Meadowfoam <i>Limnanthes floccosa ssp. californica</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/4223	Endangered
Greene's Tuctoria <i>Tuctoria greenei</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/1573	Endangered
Hairy Orcutt Grass <i>Orcuttia pilosa</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/2262	Endangered
Hoover's Spurge <i>Chamaesyce hooveri</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/3019	Threatened

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

Quad Name **Paradise East**
Quad Number **39121-G5**

ESA Anadromous Fish

SONCC Coho ESU (T) -
CCC Coho ESU (E) -
CC Chinook Salmon ESU (T) -
CVSR Chinook Salmon ESU (T) - **X**
SRWR Chinook Salmon ESU (E) -
NC Steelhead DPS (T) -
CCC Steelhead DPS (T) -
SCCC Steelhead DPS (T) -
SC Steelhead DPS (E) -
CCV Steelhead DPS (T) - **X**
Eulachon (T) -
sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
CCC Coho Critical Habitat -
CC Chinook Salmon Critical Habitat -
CVSR Chinook Salmon Critical Habitat -
SRWR Chinook Salmon Critical Habitat -
NC Steelhead Critical Habitat -
CCC Steelhead Critical Habitat -
SCCC Steelhead Critical Habitat -
SC Steelhead Critical Habitat -
CCV Steelhead Critical Habitat - **X**
Eulachon Critical Habitat -
sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) -
Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

- East Pacific Green Sea Turtle (T) -
- Olive Ridley Sea Turtle (T/E) -
- Leatherback Sea Turtle (E) -
- North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

- Blue Whale (E) -
- Fin Whale (E) -
- Humpback Whale (E) -
- Southern Resident Killer Whale (E) -
- North Pacific Right Whale (E) -
- Sei Whale (E) -
- Sperm Whale (E) -

ESA Pinnipeds

- Guadalupe Fur Seal (T) -
- Steller Sea Lion Critical Habitat -

Essential Fish Habitat

- Coho EFH -
- Chinook Salmon EFH - **X**
- Groundfish EFH -
- Coastal Pelagics EFH -
- Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

- MMPA Cetaceans -
- MMPA Pinnipeds -

Quad Name **Paradise West**
 Quad Number **39121-G6**

ESA Anadromous Fish

SONCC Coho ESU (T) -
 CCC Coho ESU (E) -
 CC Chinook Salmon ESU (T) -
 CVSR Chinook Salmon ESU (T) - **X**
 SRWR Chinook Salmon ESU (E) - **X**
 NC Steelhead DPS (T) -
 CCC Steelhead DPS (T) -
 SCCC Steelhead DPS (T) -
 SC Steelhead DPS (E) -
 CCV Steelhead DPS (T) - **X**
 Eulachon (T) -
 sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
 CCC Coho Critical Habitat -
 CC Chinook Salmon Critical Habitat -
 CVSR Chinook Salmon Critical Habitat - **X**
 SRWR Chinook Salmon Critical Habitat -
 NC Steelhead Critical Habitat -
 CCC Steelhead Critical Habitat -
 SCCC Steelhead Critical Habitat -
 SC Steelhead Critical Habitat -
 CCV Steelhead Critical Habitat - **X**
 Eulachon Critical Habitat -
 sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) -
 Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

- East Pacific Green Sea Turtle (T) -
- Olive Ridley Sea Turtle (T/E) -
- Leatherback Sea Turtle (E) -
- North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

- Blue Whale (E) -
- Fin Whale (E) -
- Humpback Whale (E) -
- Southern Resident Killer Whale (E) -
- North Pacific Right Whale (E) -
- Sei Whale (E) -
- Sperm Whale (E) -

ESA Pinnipeds

- Guadalupe Fur Seal (T) -
- Steller Sea Lion Critical Habitat -

Essential Fish Habitat

- Coho EFH -
- Chinook Salmon EFH - **X**
- Groundfish EFH -
- Coastal Pelagics EFH -
- Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

- MMPA Cetaceans -
- MMPA Pinnipeds -

Quad Name **Cherokee**
Quad Number **39121-F5**

ESA Anadromous Fish

SONCC Coho ESU (T) -
CCC Coho ESU (E) -
CC Chinook Salmon ESU (T) -
CVSR Chinook Salmon ESU (T) - **X**
SRWR Chinook Salmon ESU (E) -
NC Steelhead DPS (T) -
CCC Steelhead DPS (T) -
SCCC Steelhead DPS (T) -
SC Steelhead DPS (E) -
CCV Steelhead DPS (T) - **X**
Eulachon (T) -
sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
CCC Coho Critical Habitat -
CC Chinook Salmon Critical Habitat -
CVSR Chinook Salmon Critical Habitat -
SRWR Chinook Salmon Critical Habitat -
NC Steelhead Critical Habitat -
CCC Steelhead Critical Habitat -
SCCC Steelhead Critical Habitat -
SC Steelhead Critical Habitat -
CCV Steelhead Critical Habitat - **X**
Eulachon Critical Habitat -
sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

Range Black Abalone (E) -
Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

- East Pacific Green Sea Turtle (T) -
- Olive Ridley Sea Turtle (T/E) -
- Leatherback Sea Turtle (E) -
- North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

- Blue Whale (E) -
- Fin Whale (E) -
- Humpback Whale (E) -
- Southern Resident Killer Whale (E) -
- North Pacific Right Whale (E) -
- Sei Whale (E) -
- Sperm Whale (E) -

ESA Pinnipeds

- Guadalupe Fur Seal (T) -
- Steller Sea Lion Critical Habitat -

Essential Fish Habitat

- Coho EFH -
- Chinook Salmon EFH - **X**
- Groundfish EFH -
- Coastal Pelagics EFH -
- Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

- MMPA Cetaceans -
- MMPA Pinnipeds -

Quad Name **Hamlin Canyon**
 Quad Number **39121-F6**

ESA Anadromous Fish

- SONCC Coho ESU (T) -
- CCC Coho ESU (E) -
- CC Chinook Salmon ESU (T) -
- CVSR Chinook Salmon ESU (T) - **X**
- SRWR Chinook Salmon ESU (E) - **X**
- NC Steelhead DPS (T) -
- CCC Steelhead DPS (T) -
- SCCC Steelhead DPS (T) -
- SC Steelhead DPS (E) -
- CCV Steelhead DPS (T) - **X**
- Eulachon (T) -
- sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

- SONCC Coho Critical Habitat -
- CCC Coho Critical Habitat -
- CC Chinook Salmon Critical Habitat -
- CVSR Chinook Salmon Critical Habitat - **X**
- SRWR Chinook Salmon Critical Habitat -
- NC Steelhead Critical Habitat -
- CCC Steelhead Critical Habitat -
- SCCC Steelhead Critical Habitat -
- SC Steelhead Critical Habitat -
- CCV Steelhead Critical Habitat - **X**
- Eulachon Critical Habitat -
- sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

- Range Black Abalone (E) -
- Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

- East Pacific Green Sea Turtle (T) -
- Olive Ridley Sea Turtle (T/E) -
- Leatherback Sea Turtle (E) -
- North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

- Blue Whale (E) -
- Fin Whale (E) -
- Humpback Whale (E) -
- Southern Resident Killer Whale (E) -
- North Pacific Right Whale (E) -
- Sei Whale (E) -
- Sperm Whale (E) -

ESA Pinnipeds

- Guadalupe Fur Seal (T) -
- Steller Sea Lion Critical Habitat -

Essential Fish Habitat

- Coho EFH -
- Chinook Salmon EFH - **X**
- Groundfish EFH -
- Coastal Pelagics EFH -
- Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

- MMPA Cetaceans -
- MMPA Pinnipeds -

Quad Name **Chico**
 Quad Number **39121-F7**

ESA Anadromous Fish

- SONCC Coho ESU (T) -
- CCC Coho ESU (E) -
- CC Chinook Salmon ESU (T) -
- CVSR Chinook Salmon ESU (T) - **X**
- SRWR Chinook Salmon ESU (E) - **X**
- NC Steelhead DPS (T) -
- CCC Steelhead DPS (T) -
- SCCC Steelhead DPS (T) -
- SC Steelhead DPS (E) -
- CCV Steelhead DPS (T) - **X**
- Eulachon (T) -
- sDPS Green Sturgeon (T) -

ESA Anadromous Fish Critical Habitat

- SONCC Coho Critical Habitat -
- CCC Coho Critical Habitat -
- CC Chinook Salmon Critical Habitat -
- CVSR Chinook Salmon Critical Habitat - **X**
- SRWR Chinook Salmon Critical Habitat -
- NC Steelhead Critical Habitat -
- CCC Steelhead Critical Habitat -
- SCCC Steelhead Critical Habitat -
- SC Steelhead Critical Habitat -
- CCV Steelhead Critical Habitat - **X**
- Eulachon Critical Habitat -
- sDPS Green Sturgeon Critical Habitat -

ESA Marine Invertebrates

- Range Black Abalone (E) -
- Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

- East Pacific Green Sea Turtle (T) -
- Olive Ridley Sea Turtle (T/E) -
- Leatherback Sea Turtle (E) -
- North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

- Blue Whale (E) -
- Fin Whale (E) -
- Humpback Whale (E) -
- Southern Resident Killer Whale (E) -
- North Pacific Right Whale (E) -
- Sei Whale (E) -
- Sperm Whale (E) -

ESA Pinnipeds

- Guadalupe Fur Seal (T) -
- Steller Sea Lion Critical Habitat -

Essential Fish Habitat

- Coho EFH -
- Chinook Salmon EFH - **X**
- Groundfish EFH -
- Coastal Pelagics EFH -
- Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

- MMPA Cetaceans -
- MMPA Pinnipeds -

Quad Name **Ord Ferry**
 Quad Number **39121-F8**

ESA Anadromous Fish

SONCC Coho ESU (T) -
 CCC Coho ESU (E) -
 CC Chinook Salmon ESU (T) -
 CVSR Chinook Salmon ESU (T) - **X**
 SRWR Chinook Salmon ESU (E) - **X**
 NC Steelhead DPS (T) -
 CCC Steelhead DPS (T) -
 SCCC Steelhead DPS (T) -
 SC Steelhead DPS (E) -
 CCV Steelhead DPS (T) - **X**
 Eulachon (T) -
 sDPS Green Sturgeon (T) - **X**

ESA Anadromous Fish Critical Habitat

SONCC Coho Critical Habitat -
 CCC Coho Critical Habitat -
 CC Chinook Salmon Critical Habitat -
 CVSR Chinook Salmon Critical Habitat - **X**
 SRWR Chinook Salmon Critical Habitat - **X**
 NC Steelhead Critical Habitat -
 CCC Steelhead Critical Habitat -
 SCCC Steelhead Critical Habitat -
 SC Steelhead Critical Habitat -
 CCV Steelhead Critical Habitat - **X**
 Eulachon Critical Habitat -
 sDPS Green Sturgeon Critical Habitat - **X**

ESA Marine Invertebrates

Range Black Abalone (E) -
 Range White Abalone (E) -

ESA Marine Invertebrates Critical Habitat

Black Abalone Critical Habitat -

ESA Sea Turtles

East Pacific Green Sea Turtle (T) -
Olive Ridley Sea Turtle (T/E) -
Leatherback Sea Turtle (E) -
North Pacific Loggerhead Sea Turtle (E) -

ESA Whales

Blue Whale (E) -
Fin Whale (E) -
Humpback Whale (E) -
Southern Resident Killer Whale (E) -
North Pacific Right Whale (E) -
Sei Whale (E) -
Sperm Whale (E) -

ESA Pinnipeds

Guadalupe Fur Seal (T) -
Steller Sea Lion Critical Habitat -

Essential Fish Habitat

Coho EFH -
Chinook Salmon EFH - **X**
Groundfish EFH -
Coastal Pelagics EFH -
Highly Migratory Species EFH -

MMPA Species (See list at left)

ESA and MMPA Cetaceans/Pinnipeds

**See list at left and consult the NMFS Long Beach office
562-980-4000**

MMPA Cetaceans -
MMPA Pinnipeds -



Attachment 3

Sensitive Biological Resources Table



Sensitive Biological Resources and their Potential to Occur in the Study Area

Scientific Name	Common Name	Federal Status	State Status	State Rare Plant Rank	General Habitat Characteristics	Potential to Occur in Study Area	Rationale
Plants							
<i>Allium jepsonii</i>	Jepson's onion	None	None	1B.2	Serpentine or volcanic soils in chaparral, cismontane woodland, and lower montane coniferous forest. Elevation: 984–3,707 feet. Blooming period: April–August (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Astragalus tener</i> var. <i>ferrisiae</i>	Ferris' milk-vetch	None	None	1B.1	Meadows, seeps, and subalkaline grassland. Elevation: 0–263 feet. Blooming period: March–June (CNPS 2021).	Y	Potential to occur in annual grassland habitats in the western portion of the study area (from the City of Chico west to the Chico WPCP).
<i>Balsamorhiza macrolepis</i>	big-scale balsamroot	None	None	1B.2	Chaparral, cismontane woodland, and grassland. Elevation: 115–4,806 feet. Blooming period: March–June (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, montane hardwood-conifer, and annual grassland habitats in the study area.
<i>Botrychium crenulatum</i>	scalloped moonwort	None	None	2B.2	Bogs, fens, meadows, seeps, marshes, freshwater swamps, montane coniferous forests. Elevation: 4,159–10,758 feet. Sporing period: June–September (CNPS 2021).	N	Study area is below the known elevational range of the species.
<i>Botrychium minganense</i>	Mingan moonwort	None	None	2B.2	Mesic soils in bogs, fens, lower and upper montane coniferous forest. Elevation: 4,773–7,152 feet. Sporing period: July–September (CNPS 2021).	N	Study area is below the known elevational range of the species.
<i>Botrychium montanum</i>	western goblin	None	None	2B.1	Mesic soil in meadows, seeps, and montane coniferous forest. Elevation: 4,805–7,150 feet. Sporing period: July–September (CNPS 2021).	N	Study area is below the known elevational range of the species.
<i>Brasenia schreberi</i>	watershield	None	None	2B.3	Freshwater marshes, ponds, swamps, and streams with low velocity flows. Elevation: 3–7,218 feet. Blooming period: April–	Y	Potential to occur in the study area, in Comanche Creek or Little Chico Creek.

Scientific Name	Common Name	Federal Status	State Status	State Rare Plant Rank	General Habitat Characteristics	Potential to Occur in Study Area	Rationale
					October (CNPS 2021).		
<i>Campylopodiella stenocarpa</i>	flagella-like atractylocarpus	None	None	2B.2	Cismontane woodland, roadsides. Elevation: 935–1,410 feet. (CNPS 2021).	Y	Potential to occur in blue oak-foothill pine, montane hardwood-conifer habitats, and disturbed/ruderal areas adjacent to those habitat types in the study area.
<i>Cardamine pachystigma</i> var. <i>dissectifolia</i>	dissected-leaved toothwort	None	None	1B.2	Chaparral, lower montane coniferous forest, serpentine outcrops, and gravelly serpentine talus. Elevation: 984–4,594 feet. (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Carex xerophila</i>	chaparral sedge	None	None	1B.2	Serpentine and gabbro soils in chaparral, cismontane woodland, and lower montane coniferous forest. Elevation: 902–2,527 feet. Blooming period: March–June (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Castilleja rubicundula</i> var. <i>rubicundula</i>	pink creamsacs	None	None	1B.2	Serpentine soils in meadows, seeps, grassland, cismontane woodland, and openings of chaparral. Elevation: 65–3,002 feet. Blooming period: April–June (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, montane hardwood-conifer, and annual grassland habitats in the study area.
<i>Clarkia gracilis</i> ssp. <i>albicaulis</i>	white-stemmed clarkia	None	None	1B.2	Chaparral and cismontane woodland. Elevation: 688–3,609 feet. Blooming period: May–July (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Clarkia mildrediae</i> ssp. <i>mildrediae</i>	Mildred's clarkia	None	None	1B.3	Sandy, usually granitic, soils in cismontane woodland and lower montane coniferous forest. Elevation: 902–5,676 feet. Blooming period: May–August (CNPS 2021).	Y	Potential to occur in blue oak-foothill pine and montane hardwood-conifer habitats in the study area.
<i>Clarkia mosquinii</i>	Mosquin's clarkia	None	None	1B.1	Rocky soils and roadsides in cismontane woodland and lower montane coniferous	Y	Potential to occur in blue oak-foothill pine, montane

Scientific Name	Common Name	Federal Status	State Status	State Rare Plant Rank	General Habitat Characteristics	Potential to Occur in Study Area	Rationale
					forest. Elevation: 590–4,856 feet. Blooming period: May–July (CNPS 2021).		hardwood-conifer habitats, and disturbed/ruderal areas adjacent to these habitat types in the study area.
<i>Cryptantha crinita</i>	silky cryptantha	None	None	1B.2	Rocky volcanic soils, gravelly streambanks, gravel bars, foothill woodland. Elevation: 295–3,675 feet. Blooming period: March–June (CNPS 2021).	Y	Potential to occur in blue oak woodland, blue oak-foothill pine, valley oak woodland, and valley foothill riparian habitats in the study area.
<i>Delphinium recurvatum</i>	recurved larkspur	None	None	1B.2	Alkaline soils in chenopod scrub, cismontane woodland, and grassland. Elevation: 9–2,592 feet. Blooming period: March–June (CNPS 2021).	Y	Potential to occur in blue oak-foothill pine, montane hardwood-conifer, and annual grassland habitats in the study area.
<i>Eremogone cliffonii</i>	Clifton's eremogone	None	None	1B.3	Usually in granitic soils in openings of chaparral and montane coniferous forests. Elevation: 1,492–6,825 feet. Blooming period: April–September (CNPS 2021).	Y	Potential to occur in mixed chaparral, montane hardwood-conifer, and ponderosa pine habitats in the study area.
<i>Eriogonum umbellatum</i> var. <i>ahartii</i>	Ahart's buckwheat	None	None	1B.2	Serpentine soils on slopes in openings of chaparral and cismontane woodland. Elevation: 902–4,856 feet. Blooming period: June–September (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Erythranthe filicifolia</i>	fern-leaved monkeyflower	None	None	1B.2	Usually in slow-draining ephemeral seeps that are among exfoliating granitic slabs in meadows, chaparral, and lower montane coniferous forest. Elevation: 1,148–5,610 feet. Blooming period: April–June (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Euphorbia hooveri</i>	Hoover's spurge	FT	None	1B.2	Vernal pools. Generally, grows in relatively large, deep vernal pools among the rolling hills, remnant alluvial fans and depositional stream terraces at the base of the Sierra Nevada foothills. Elevation: 80–	Y	Potential to occur in vernal pools within annual grassland habitats in the western portion of the study area (from Tuscan Ridge Golf Club west

Scientific Name	Common Name	Federal Status	State Status	State Rare Plant Rank	General Habitat Characteristics	Potential to Occur in Study Area	Rationale
					820 feet. Blooming period: July–October (CNPS 2021, USFWS 2009a).		to the Chico WPCP).
<i>Frangula purshiana</i> ssp. <i>ultramafica</i>	Caribou coffeeberry	None	None	1B.2	Serpentine soils in chaparral, montane coniferous forests, meadows, and seeps. Elevation: 2,705–6,330 feet. Blooming period: May–July (CNPS 2021).	N	Study area is below the known elevational range of the species.
<i>Fritillaria pluriflora</i>	adobe-lily	None	None	1B.2	Adobe soils in chaparral, cismontane woodland, and grassland. Elevation: 147–3,100 feet. Blooming period: February–April (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, montane hardwood-conifer, and annual grassland habitats in the study area.
<i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i>	woolly rose-mallow	None	None	1B.2	Freshwater marshes and swamps, as well as on soaked riverbanks and low peat islands in sloughs. Often occurs in riprap on sides of levees. Elevation: 0–509 feet. Blooming period: June–September (CNPS 2021).	Y	Potential to occur in small freshwater emergent wetland features and in valley foothill riparian habitats in the study area, especially along Butte Creek.
<i>Imperata brevifolia</i>	California satintail	None	None	2B.1	Mesic soils in chaparral, coastal scrub, Mojavean desert scrub, riparian scrub, meadows and seeps (often alkali). Elevation: 0–4,905 feet. Blooming period: September–May (CNPS 2021).	Y	Potential to occur in small freshwater emergent wetland features within mixed chaparral and valley foothill riparian habitats in the study area, especially along Butte Creek.
<i>Juncus leiospermus</i> var. <i>leiospermus</i>	Red Bluff dwarf rush	None	None	1B.1	Vernally mesic soils in chaparral, cismontane woodland, meadows, seeps, grassland, and vernal pools. Elevation: 98–4,118 feet. Blooming period: March–June (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, montane hardwood-conifer, and vernal pools within annual grassland habitats in the study area.
<i>Layia septentrionalis</i>	Colusa layia	None	None	1B.2	Sandy serpentine soils in chaparral, cismontane woodland, and grassland. Elevation: 50–3,609 feet. Blooming period: April–May (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, montane hardwood-conifer, and annual grassland habitats in the study area.

Scientific Name	Common Name	Federal Status	State Status	State Rare Plant Rank	General Habitat Characteristics	Potential to Occur in Study Area	Rationale
<i>Lewisia cantelovii</i>	Cantelow's lewisia	None	None	1B.2	Mesic and granitic soils and occasionally serpentine seeps in broadleaved upland and lower montane coniferous forests, chaparral, and cismontane woodland. Elevation: 1,066–4,512 feet. Blooming period: May–October (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Limnanthes floccosa</i> ssp. <i>californica</i>	Butte County meadowfoam	FE	SE	1B.1	Vernal swales and mesic grassland. Primarily on the margins of vernal swales and to a lesser extent on the margins of vernal pools located on alluvial terraces in annual grasslands with mima mound topography. Elevation: 115–1,215 feet. Blooming period: March–May (CNPS 2021, USFWS 2008).	Y	Potential to occur on margins of vernal pools within annual grassland habitats in the study area.
<i>Monardella venosa</i>	veiny monardella	None	None	1B.1	Heavy clay soils in cismontane woodland and grassland. Elevation: 98–1,329 feet. Blooming period: June and July (CNPS 2021).	Y	Potential to occur in blue oak-foothill pine, montane hardwood-conifer, and annual grassland habitats in the study area.
<i>Orcuttia pilosa</i>	hairy Orcutt grass	FE	SE	1B.1	Vernal pools on high or low stream terraces and alluvial fans. Occurs in Northern Basalt Flow, Northern Claypan, and Northern Hardpan vernal pools within annual grasslands. Elevation: 85–660 feet. Blooming period: May–September (CNPS 2021, USFWS 2009b).	Y	Potential to occur in vernal pools within annual grassland habitats in the study area.
<i>Packera eurycephala</i> var. <i>lewisrosei</i>	Lewis Rose's ragwort	None	None	1B.2	Serpentine soils in chaparral, cismontane woodland, and lower montane coniferous forest. Elevation: 328–6,200 feet. Blooming period: March–July (CNPS 2021).	Y	Potential to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Paronychia ahartii</i>	Ahart's paronychia	None	None	1B.1	Cismontane woodland, grassland, and vernal pools. Elevation: 95–1,640 feet. Blooming period: March–June (CNPS 2021).	Y	Potential to occur in blue oak-foothill pine, montane hardwood-conifer, and vernal pools within annual grassland

Scientific Name	Common Name	Federal Status	State Status	State Rare Plant Rank	General Habitat Characteristics	Potential to Occur in Study Area	Rationale
							habitats in the study area.
<i>Penstemon personatus</i>	closed-throated beardtongue	None	None	1B.2	Metavolcanic soils in chaparral and montane coniferous forests. Elevation: 3,490–6,955 feet. Blooming period: June–October (CNPS 2021).	N	Study area is below the known elevational range of the species.
<i>Poa sierrae</i>	Sierra blue grass	None	None	1B.3	Openings in lower montane coniferous forest. Elevation: 1,148–6,282 feet. Blooming period: April–June (CNPS 2021).	Y	Potential to occur in blue oak-foothill pine and montane hardwood-conifer habitats in the study area.
<i>Rhynchospora californica</i>	California beaked-rush	None	None	1B.1	Bogs, fens, meadows, seeps, freshwater marshes and swamps, and lower montane coniferous forest. Elevation: 145–885 feet. Blooming period: May–July (CNPS 2021).	Y	Potential to occur in small freshwater emergent wetland features within montane hardwood-conifer and valley-foothill riparian habitats in the study area.
<i>Rhynchospora capitellata</i>	brownish beaked-rush	None	None	2B.2	Mesic soils in meadows, seeps, marshes, swamps, and montane coniferous forests. Elevation: 145–6,560 feet. Blooming period: July–August (CNPS 2021).	Y	Potential to occur in small freshwater emergent wetland features within montane hardwood-conifer and valley-foothill riparian habitats in the study area.
<i>Rupertia hallii</i>	Hall's rupertia	None	None	1B.2	Roadsides and openings of cismontane woodland and lower montane coniferous forest. Elevation: 1,785–7,380 feet. Blooming period: June–August (CNPS 2021).	Y	Potential to occur in blue oak-foothill pine, montane hardwood-conifer habitats, and disturbed/ruderal areas adjacent to those habitat types in the study area.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	None	None	1B.2	Standing or slow-moving freshwater marshes, ponds, swamps, and ditches that are typically shallow. Elevation: 0–1,985 feet. Blooming period: May–October (CNPS 2021).	Y	Potential to occur in the study area in Comanche Creek or Little Chico Creek.
<i>Sedum albomarginatum</i>	Feather River stonecrop	None	None	1B.2	Serpentine soils in chaparral and lower montane coniferous forest. Elevation:	Y	Potential to occur in mixed chaparral, blue oak-foothill

Scientific Name	Common Name	Federal Status	State Status	State Rare Plant Rank	General Habitat Characteristics	Potential to Occur in Study Area	Rationale
					984–6,070 feet. Blooming period: May–June (CNPS 2021).		pine, and montane hardwood-conifer habitats in the study area.
<i>Sidalcea robusta</i>	Butte County checkerbloom	None	None	1B.2	Chaparral and cismontane woodland. Elevation: 245–1,313 feet. Blooming period: April–June (CNPS 2021).	Y	Known to occur in mixed chaparral, blue oak-foothill pine, and montane hardwood-conifer habitats in the study area.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i>	slender-leaved pondweed	None	None	2B.2	Shallow, clear water of lakes, drainage channels, freshwater marshes and swamps. Elevation: 15–7,628 feet. Blooming period: May–July (CNPS 2021).	Y	Potential to occur in the study area in Comanche Creek or Little Chico Creek.
<i>Trifolium jokerstii</i>	Butte County golden clover	None	None	1B.2	Mesic grassland and vernal pools. Elevation: 145–1,313feet. Blooming period: March–May (CNPS 2021).	Y	Potential to occur in vernal pools within annual grassland habitats in the study area.
<i>Tuctoria greenei</i>	Greene's tuctoria	FE	SR	1B.1	Vernal pools. Often grows in shallower pools or on the shallow margins of deeper pools. Does not tolerate long periods of inundation. Elevation: 82–4,348 feet. Blooming period: May–September (CNPS 2021).	Y	Potential to occur in vernal pools within annual grassland habitats in the study area.
<i>Wolffia brasiliensis</i>	Brazilian watermeal	None	None	2B.3	Shallow freshwater marshes and swamps. Elevation: 65–330 feet. Blooming period: April and December (CNPS 2021).	Y	Potential to occur in small freshwater emergent wetland features in the study area.
Invertebrates							
<i>Bombus crotchii</i>	Crotch bumble bee	None	SCE	---	Open grassland and scrub habitats. Nesting occurs underground. This species is classified as a short-tongued species, whose food plants include those in the following genera: <i>Asclepias</i> , <i>Chaenactis</i> , <i>Lupinus</i> , <i>Medicago</i> , <i>Phacelia</i> , and <i>Salvia</i> (CDFW 2019a).	Y	Potential to occur in annual grassland and mixed chaparral habitats in the study area.
<i>Bombus occidentalis</i>	western bumble bee	None	SCE	---	Open grassy areas, urban parks and gardens, chaparral and shrub areas, and	Y	Potential to occur in annual grassland and mixed

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					mountain meadows. Typically nests underground in abandoned rodent burrows, such as old squirrel or other animal nests, and in open west-southwest slopes bordered by trees, although a few nests have been reported from above-ground locations such as in logs among railroad ties. Availability of nest sites may depend on rodent abundance (CDFW 2019a).		chaparral habitats, as well as some developed and disturbed/ruderal parts of the study area.
<i>Branchinecta conservatio</i>	Conservancy fairy shrimp	FE	None	---	Endemic to California vernal pools, almost entirely in the Central Valley, with the exception of one population along the central coast in Ventura County. Majority of sites inhabited by this species are large and turbid pools which remain inundated much longer than typical vernal pools (USFWS 2012).	Y	Potential to occur in vernal pools within annual grassland habitats in the study area.
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	FT	None	---	Endemic to the grasslands of the Central Valley and the Central and South Coast Range mountains of California, and the Agate Desert of southern Oregon. Found only in cool water vernal pools, requiring water temperatures of 50°F or lower to hatch. Typically associated with smaller and shallower vernal pools (about 6 inches deep) that have relatively short periods of inundation (USFWS 2007a).	Y	Potential to occur in vernal pools within annual grassland habitats in the study area.
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	FT	None	---	Dependent on host plant, elderberry (<i>Sambucus</i> spp.), which most commonly grows in riparian woodlands, but also in some upland habitats such as oak savannas and annual grasslands. Current presumed range in Central Valley extends from Shasta County south to Fresno	Y	Known to occur in valley foothill riparian habitats in the study area, especially along Butte Creek and Little Chico Creek where elderberry shrubs are known to be present.

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					County, including the valley floor and lower foothills up to about 500 feet in elevation (USFWS 2017).		
<i>Lepidurus packardii</i>	vernal pool tadpole shrimp	FE	None	---	Found only in ephemeral freshwater habitats, including alkaline pools, clay flats, vernal lakes, vernal pools, vernal swales, and other seasonal wetlands. Patchily distributed across the Central Valley from Shasta County south to Tulare County with isolated occurrences in the East Bay Area (USFWS 2007b).	Y	Potential to occur in vernal pools within annual grassland habitats in the study area.
Fish							
<i>Acipenser medirostris</i>	green sturgeon (southern DPS)	FT	SSC	---	Spawning occurs primarily in the Sacramento River, but those that spawn in the Feather and Yuba Rivers are also part of the southern DPS. Oceanic waters, bays, and estuaries during non-spawning season. Enters San Francisco Bay late winter through early spring, and spawning occurs from April through early July. Spawn in cool sections of river mainstems in deep pools containing small to medium-sized gravel, cobble, or boulder substrate (NMFS 2015).	N	Study area is outside the known range of the species, which occurs in the Sacramento River but not its tributary creeks.
<i>Cottus gulosus</i>	riffle sculpin	None	SSC	---	Permanent, cool, headwater streams where riffles and rocky substrates predominate. Such streams are clear and shaded, with moderate gradients. Found in many increasingly isolated watersheds in the Central Valley drainage and the central coast. They are mostly present in mid-elevation reaches, although they are present below dams with coldwater releases (Moyle 2002).	Y	Potential to occur in streams in the study area, including Butte Creek, Comanche Creek, and Little Chico Creek.
<i>Hypomesus</i>	delta smelt	FT	SE	---	Endemic to open waters of San Francisco	N	Study area is outside the

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<i>transpacificus</i>					Bay and Sacramento-San Joaquin River Delta. Distribution includes San Pablo Bay up through Suisun Bay, upstream through the delta to the Sacramento River below Isleton, and the San Joaquin River below Mossdale. Spawning has not been observed in the wild but is thought to take place in sloughs and shallow edge-water channels in the upper delta and in Montezuma Slough near Suisun Bay. (USFWS 2010a).		known range of the species.
<i>Mylopharodon conocephalus</i>	hardhead	None	SSC	---	Small to large streams in low to mid-elevation environments. May also inhabit lakes or reservoirs. Preferred stream temperature might easily exceed 68°F, though these fish do not favor low dissolved oxygen levels. Usually found in clear deep streams with a slow but present flow. Though spawning may occur in pools, runs, or riffles, the bedding area will typically be characterized by gravel and rocky substrate. Occurs from Sacramento-San Joaquin and Russian River drainages from the Pit River, Modoc County in the north, to the Kern River, Kern County in the south (CDFW 2015).	Y	Potential to occur in streams in the study area, especially Butte Creek.
<i>Oncorhynchus mykiss irideus</i> (pop. 11)	steelhead (Central Valley DPS)	FT	None	---	Includes naturally spawned anadromous steelhead originating below natural and manmade impassable barriers from the Sacramento and San Joaquin Rivers and their tributaries; excludes such fish originating from San Francisco and San Pablo Bays and their tributaries. This DPS does include steelhead from two artificial propagation programs: Coleman National Fish Hatchery Program and Feather River	Y	Known to occur in perennial stream features in the study area, especially Butte Creek.

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					Fish Hatchery Program. Spawning habitat includes gravel-bottomed, fast-flowing, well-oxygenated rivers and streams. Non-spawning habitat includes estuarine and marine waters (NMFS 2016a).		
<i>Oncorhynchus tshawytscha</i> (pop. 7)	chinook salmon (Sacramento River winter-run ESU)	FE	SE	---	Currently found in the Sacramento River below Keswick Dam. Spawns in the Sacramento River but not its tributaries. Requires clean, cold water over gravel beds with water temperatures between 42 and 57°F for spawning (NMFS 2016b).	N	Study area is outside the known range of the species, which occurs in the Sacramento River but not its tributaries.
<i>Oncorhynchus tshawytscha</i> (pop. 11)	chinook salmon (Central Valley spring-run ESU)	FT	ST	---	Currently found in the Sacramento-San Joaquin River Delta, the Sacramento River and its tributaries, including the American, Yuba and Feather Rivers, and Mill, Deer, and Butte Creeks. The numbers of adults are dependent on pool depth and volume, amount of cover, and proximity to gravel. Water temperatures greater than 80°F are lethal to adults (NMFS 2016c).	Y	Confirmed present in Butte Creek during field studies.
<i>Oncorhynchus tshawytscha</i> (pop. 13)	chinook salmon (Central Valley fall / late fall-run ESU)	None	SSC	---	Currently found primarily in the Sacramento River, where most spawning and rearing of juveniles takes place in the reach between Red Bluff Diversion Dam and Redding's Keswick Dam. The specific habitat requirements of late fall-run chinook salmon have not been determined but they are presumably similar to other Central Valley chinook salmon runs. It is believed that optimal conditions fall within the range of physical and chemical characteristics of the unimpaired Sacramento River above Shasta Dam (CDFW 2015).	N	Study area is outside the known range of the species, which occurs in the Sacramento River but not its tributaries.
Amphibians							

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<i>Rana boylei</i>	foothill yellow-legged frog	None	ST	---	Shallow flowing streams and rivers with at least cobble sized substrate. Breeding generally occurs at the margins of wide shallow channels with reduced flow variation near tributary confluences. Specifically, egg masses are placed in low flow locations on or under rocks with preferred substrates being boulders, cobbles, or gravel (CDFW 2019b).	Y	Known to occur in perennial stream and valley foothill riparian habitats in the study area, especially Butte Creek and Honey Run.
<i>Rana cascadae</i>	Cascades frog	None	SCE, SSC	---	Found in a wide range of aquatic habitats and wet meadows that do not freeze. Not often seen on land. Breeding habitat generally consists of montane lentic areas with a preference for small shallow spring fed ponds (Thomson et al. 2016).	N	The proposed project area is outside the known range of the species (CDFW 2021b).
<i>Rana draytonii</i>	California red-legged frog	FT	SSC	---	Ponds and streams in humid forests, woodlands, grasslands, coastal scrub, and streambanks with plant cover in lowlands or foothills. Breeding habitat includes permanent or ephemeral water sources: lakes, ponds, reservoirs, slow streams, marshes, bogs, and swamps. Ephemeral wetland habitats require animal burrows or other moist refuges for estivation when the wetlands are dry. Essential breeding habitat must hold water for a minimum of 20 weeks. Occurs from sea level to 5,000 feet in elevation (USFWS 2010b).	Y	Potential to occur in perennial channel, valley foothill riparian, and annual grasslands with connectivity to those habitats in the study area.
<i>Rana sierrae</i>	Sierra Nevada yellow-legged frog	FE	ST	---	Lakes, ponds, marshes, meadows, and streams at high elevations ranging from about 4,500 to 12,000 feet but can occur as low as about 3,500 feet in the northern portions of their range. Highly aquatic. Adults can be found sitting on rocks along shorelines with little or no vegetation.	N	Study area is below the known elevational range of the species.

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					Rarely found more than 3.3 feet from water (USFWS 2020c).		
<i>Spea hammondi</i>	western spadefoot	None	SSC	---	Grasslands, oak woodlands, coastal sage scrub, and chaparral in washes, floodplains, alluvial fans, playas, and alkali flats. Natural and artificial water bodies are used for breeding (Thomson et al. 2016).	Y	Potential to occur in vernal pools and small freshwater emergent wetland features within annual grassland, blue oak woodland, valley oak woodland, and mixed chaparral habitats in the study area.
Reptiles							
<i>Actinemys marmorata</i>	western pond turtle	None	SSC	---	Various water bodies including permanent and ephemeral systems either natural or artificial. Upland habitat that is at least moderately undisturbed is required for nesting and overwintering, in soils that are loose enough for excavation (Thomson et al. 2016).	Y	Known to occur in perennial streams, and valley foothill riparian habitats in the study area. Confirmed present in Butte Creek during field studies.
<i>Phrynosoma blainvillii</i>	coast horned lizard	None	SSC	---	Sage scrub, dunes, alluvial scrub, annual grassland, chaparral, oak, riparian, and Joshua tree woodland, coniferous forest, and saltbush scrub. Needs loose, fine soils for burrowing, open areas for basking, and dense foliage for cover. Negatively associated with Argentine ants (<i>Linepithema humi</i>) (Thomson et al. 2016).	Y	Potential to occur in annual grassland, mixed chaparral, blue oak woodland, blue oak-foothill pine, and valley oak woodland in the study area.
<i>Thamnophis gigas</i>	giant gartersnake	FT	ST	---	Marshes, sloughs, ponds, small lakes, low gradient streams, irrigation and drainage canals, rice fields and their associated uplands from sea level to 400 feet in elevation. Upland habitat should have burrows or soil crevices suitable for snakes to reside during their dormancy period from November through mid-March (USFWS 2020a).	Y	Potential to occur in perennial stream and valley foothill riparian habitats from Butte Creek to the western terminus of the study area.

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Birds							
<i>Accipiter gentilis</i>	northern goshawk	None	SSC	---	Nests in mature and old-growth coniferous forests at high elevations in the Sierra Nevada, Cascade, North Coast, and Transverse Ranges. Prefers stands with Pacific Ponderosa pine (<i>Pinus ponderosa</i> var. <i>pacifica</i>), Jeffrey pine (<i>Pinus jeffreyi</i>), Lodgepole pine (<i>Pinus contorta</i>), Douglas-fir (<i>Pseudotsuga menziesii</i>), and rarely pinyon-juniper (<i>Pinus monophylla</i> and <i>Juniperus</i> spp.) or quaking aspen (<i>Populus tremuloides</i>). Prefers stands with larger trees, denser canopies, and relatively open understories (Shuford and Gardali 2008).	Y	Potential to occur in montane hardwood-conifer and ponderosa pine habitats at the highest elevation portions of the study area. However, this species is much more likely to occur during migration or winter in the study area, and is not likely to nest there due to the lack of old-growth, dense canopy forest.
<i>Agelaius tricolor</i>	tricolored blackbird	None	ST, SSC	---	Preferred nesting habitat includes cattails (<i>Typha</i> spp.), bulrushes (<i>Schoenoplectus</i> spp.), Himalayan blackberry (<i>Rubus armeniacus</i>), and agricultural silage. Dense vegetation is preferred but heavily lodged cattails not burned in recent years may preclude settlement. Need access to open water (CDFW 2021b).	Y	Potential to occur in annual grassland, cropland, irrigated row and field crop, pasture, and valley foothill riparian habitats in the study area, though more likely to occur foraging than nesting.
<i>Aquila chrysaetos</i>	golden eagle	BGEPA	SFP	---	Prefers rolling foothills and mountain terrain, wide arid plateaus deeply cut by streams and canyons, open mountain slopes, cliffs, and rock outcrops. (CDFW 2021b).	Y	Potential to occur in annual grassland, blue oak-foothill pine, and mixed chaparral habitats in the study area.
<i>Antigone canadensis tabida</i>	greater sandhill crane	None	ST, SFP	---	Breeds in and near wet meadow, shallow lacustrine, and fresh emergent wetland habitats. Winters in annual and perennial grassland habitats, moist croplands with rice or corn stubble, and open emergent wetlands. Prefers treeless plains. Nests in remote portions of extensive wetlands or	Y	Potential to occur in annual grassland, cropland, irrigated row and field crop, and pasture habitat in the study area. Does not nest in the study area region but does stop through the area on

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					sometimes shortgrass prairies. In California, breeds only in Siskiyou, Modoc, and Lassen Counties, and in Sierra Valley in Plumas and Sierra Counties. Winters primarily in the Sacramento and San Joaquin Valleys from Tehama County south to Kings County (CDFW 2021b).		migration and over winter. Migrant flocks were observed over the study area during field studies in Spring 2021.
<i>Asio otus</i>	long-eared owl	None	SSC	---	Widespread but uncommon and local across California year-round, except in the Central Valley where it is a rarely encountered migrant and winter resident. Nests and roosts in dense stands of live oak (<i>Quercus</i> spp.) in riparian thickets with dense canopies near meadow edges. Also nests in dense stands of conifers at higher elevations (CDFW 2021b).	Y	Potential to occur in montane hardwood-conifer, ponderosa pine, blue oak-foothill pine, and valley-foothill riparian habitats in the study area.
<i>Athene cunicularia</i>	burrowing owl	None	SSC	---	Resident in much of the state in open, dry grasslands and various desert habitats. Requires open areas with mammal burrows; especially those of California ground squirrel (<i>Otospermophilus beecheyi</i>). Inhabits rolling hills, grasslands, fallow fields, sparsely vegetated desert scrub, vacant lots and other open human disturbed lands such as airports and golf courses (CDFW 2021b).	Y	Potential to occur in annual grassland, cropland, irrigated row and field crop, pasture, and disturbed/ruderal habitats in the study area.
<i>Buteo swainsoni</i>	Swainson's hawk	None	ST	---	Nests in oak savanna and cottonwood riparian areas adjacent to foraging habitat of grasslands, agricultural fields, and pastures where they often follow farm equipment to gather killed and maimed rodents. Increasingly also nests in sparse stands of gum trees (<i>Eucalyptus</i> spp.) and Australian pines (<i>Casuarina equisetifolia</i>) and often forage along roadsides and	Y	Confirmed present in the study area during field studies from the City of Chico west to the Chico WPCP.

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					grassy highway medians (CDFW 2021b).		
<i>Circus hudsonius</i>	northern harrier	None	SSC	---	Nests on the ground in patches of dense, tall vegetation in undisturbed areas. Breed and forage in a variety of open habitats such as marshes, wet meadows, weedy borders of lakes, rivers and streams, grasslands, pastures, croplands, sagebrush flats, and desert sinks (Shuford and Gardali 2008).	Y	Confirmed present in the study area during field studies, though more likely to forage than nest.
<i>Coccyzus americanus occidentalis</i>	yellow-billed cuckoo (western DPS)	FT	SE	---	Requires riparian woodland with dense cover; primarily old-growth cottonwood (<i>Populus</i> spp.) forests with willow (<i>Salix</i> spp.) understory but will also nest in overgrown orchards adjacent to streams and dense thickets alongside marshes. Persists in small numbers along the Sacramento River between Red Bluff and Colusa, the Feather River between Yuba City and the Bear River, Owens Valley, the Kern River Valley, the Colorado River Valley, the Santa Ana River near Prado Basin, and the San Luis Rey River in northern San Diego County (USFWS 2020b).	N	In Butte County, not known to nest away from the Sacramento River, which is outside the study area (CDFW 2021b).
<i>Elanus leucurus</i>	white-tailed kite	None	SFP	---	Fairly common resident of the Central Valley, coast, and Coast Range Mountains. Nests in oak savanna, oak and willow riparian, and other open areas with scattered trees near foraging habitat. Forages in open grasslands, meadows, farmlands, and emergent wetlands. Often seen hover foraging over roadsides or grassy highway medians (CDFW 2021b).	Y	Potential to occur in annual grassland, blue oak woodland, valley oak woodland, valley foothill riparian, irrigated row and field crop, pasture, and disturbed/ruderal habitats in the study area.
<i>Falco peregrinus anatum</i>	American peregrine falcon	None	SFP	---	Breeds near wetlands, lakes, rivers, or other waters on cliffs, banks, dunes or	Y	Potential to occur in blue oak-foothill pine, ponderosa pine,

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					mounds, mostly in woodland, forest, and coastal habitats. Nest is a scrape on a depression or ledge in an open site. May use man-made structures (such as bridges, skyscrapers, or electrical towers), large snags, or trees for nesting (CDFW 2021b).		and montane hardwood-conifer habitats as well as developed portions of the study area.
<i>Gymnogyps californianus</i>	California condor	FE	SE, SFP	---	From the southern Sierra Nevada Range, across the Tehachapi Range, and through the Transverse Ranges from Los Angeles County to Santa Barbara County, and north up the Coast Range Mountains to Big Sur and Pinnacles National Park. Nests in cavities located on steep rock formations or in the burned-out hollows of old-growth coast redwoods (<i>Sequoia semervirens</i>) or giant sequoias (<i>Sequoiadendron giganteum</i>). Less commonly uses cliff ledges or large old nests of other bird species. Forages in open terrain of foothill grassland and oak savanna habitats, and at coastal sites in central California (USFWS 2013).	N	The study area is outside the known range of the species (CDFW 2021b).
<i>Haliaeetus leucocephalus</i>	bald eagle	BGEPA	SE	---	Permanent resident in the highest Coast Range mountains, across the Cascade Range, and down the Sierra Nevada to the eastern Transverse Ranges of San Bernardino and Riverside Counties. Uncommon migrant and winter visitor to lowland rivers, lakes, and reservoirs. Nests in large, old-growth, or dominant live trees with open branchwork, especially ponderosa pine (<i>Pinus ponderosa</i>). Requires large bodies of water or rivers with abundant fish and adjacent snags	Y	Confirmed present in the study area during field studies.

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					(CDFW 2021b).		
<i>Icteria virens</i>	yellow-breasted chat	None	SSC	---	Nests in early-successional riparian habitats with a well-developed shrub layer and an open canopy. Restricted to narrow borders of streams, creeks, sloughs, and rivers. Often nest in dense thickets of blackberry (<i>Rubus</i> spp.) and willow (<i>Salix</i> spp.) (Shuford and Gardali 2008).	Y	Potential to occur in valley foothill riparian habitats in the study area.
<i>Lanius ludovicianus</i>	loggerhead shrike	None	SSC	---	Shrublands and open woodlands with a fair amount of grass cover and areas of bare ground. Requires tall shrubs or trees, fences, or power lines for hunting perches and territorial advertisement. Also requires open areas of short grasses, forbs, or bare ground for hunting, large shrubs or trees for nest placement, and thorny vegetation or barbed wire fences for impaling prey (Shuford and Gardali 2008).	Y	Potential to occur in annual grassland, mixed chaparral, blue oak woodland, valley oak woodland, valley foothill riparian, irrigated row and field crop, pasture, and disturbed/ruderal habitats in the study area.
<i>Laterallus jamaicensis coturniculus</i>	California black rail	None	ST, SFP	---	Saline, brackish, and fresh emergent wetlands. Known to nest at scattered locations in the San Francisco Bay Area and Delta region, Point Reyes National Seashore, San Luis Obispo and Orange Counties, as well as the Imperial and Lower Colorado River Valleys. Spottily distributed in the Sacramento Valley (CDFW 2021b).	Y	Potential to occur in small freshwater emergent wetland and vernal pools within annual grassland habitats in the study area.
<i>Progne subis</i>	purple martin	None	SSC	---	Present in California from mid-March through late September. Requires concentrations of nesting cavities, relatively open airspace above accessible nest sites, and relatively abundant aerial insect prey. In the coastal mountains, Cascade Range, and Sierra Nevada foothills, inhabits open forests, woodlands,	Y	Potential to occur in montane hardwood-conifer and valley-foothill riparian habitats in the study area. Could occur as a migrant in the lower elevation portions of the study area, but only likely to nest at higher elevations in and near

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					and riparian areas. Extirpated as a breeder from most of the Central Valley except the Sacramento area where it has taken to nesting in hollow-box bridges (CDFW 2021b).		Paradise.
<i>Riparia riparia</i>	bank swallow	None	ST	---	A colonial nester in riparian and lacustrine bluffs or cliffs with fine-textured or sandy soils into which the nest cavities are dug. Also nests in earthen banks as well as sand and gravel pits. Currently most numerous in the Sacramento Valley along the Sacramento, Feather, and American Rivers, and Cache Creek in western Yolo County. (CDFW 2021b).	N	Could occur in the study area as a passage migrant, but unlikely to colonize anywhere in Butte County away from the Sacramento or Feather Rivers, which are outside the study area (CDFW 2021b).
<i>Setophaga petechia</i>	yellow warbler	None	SSC	---	Usually found in riparian deciduous habitats in summer: cottonwoods (<i>Populus</i> spp.), willows (<i>Salix</i> spp.), alders (<i>Alnus</i> spp.), and other small trees and shrubs typical of low, open-canopy riparian woodland. Also breeds in montane shrubbery in open coniferous forests (CDFW 2021b).	Y	Potential to occur in montane hardwood-conifer and valley foothill riparian habitats in the study area.
<i>Strix nebulosa</i>	great gray owl	None	SE	---	Breeds in red fir (<i>Abies magnifica</i>), lodgepole pine (<i>Pinus contorta</i> ssp. <i>murrayana</i>), and mixed coniferous habitats, always near wet meadows. Nests in large, broken-topped snags usually 25 to 72 feet above the ground. A rarely seen resident at 4,500 to 7,500 feet in elevation in the Sierra Nevada Range, from the vicinity of Quincy south to the Yosemite region. (CDFW 2021b).	N	The study area is outside the known elevation range of the species.
<i>Strix occidentalis occidentalis</i>	California spotted owl	None	SSC	---	Older forests in areas of high canopy cover, with a multi-layered canopy, old decadent trees, a high number of large	Y	Potential to occur in montane hardwood-conifer and ponderosa pine habitats at the

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					trees, and coarse downed woody debris. In California, ranges throughout the west slopes of the Sierra Nevada Mountains, and down the Coast Range Mountains from Carmel south through the Transverse Ranges nearly to Baja California (Shuford and Gardali 2008).		highest elevation portions of the study area. However, this species is much more likely to occur during migration or winter in the study area, and is not likely to nest there due to the lack of old-growth, dense canopy forest.
<i>Vireo bellii pusillus</i>	least Bell's vireo	FE	SE	---	Once occupied much of the Central Valley, but has disappeared from most its former range, and is now restricted to southern California from southern Inyo and Monterey Counties south through the South Coast and Inland Empire regions. Obligate riparian breeder, favoring cottonwood (<i>Populus</i> spp.), willow (<i>Salix</i> spp.), and oak (<i>Quercus</i> spp.) woodlands, and mule fat (<i>Baccharis salicifolia</i>) scrub along watercourses (USFWS 2006).	N	The study area is outside the known current range of the species. The species has likely been extirpated from the Sacramento Valley since at least the mid-1980's.
Mammals							
<i>Antrozous pallidus</i>	pallid bat	None	SSC	---	Generally found in a wide variety of habitats but with some preference for drier areas. Day roosts are in caves, crevices, mines, and occasionally in hollow trees and buildings (CDFW 2021b).	Y	Potential to occur in all types of habitats including developed portions of the study area.
<i>Aplodontia rufa californica</i>	Sierra Nevada mountain beaver	None	SSC	---	Ranges across the Sierra Nevada Mountains from Shasta and Lassen Counties south to Tulare County. Generally found in dense riparian forests and open shrubscapes around most forest types. Specifically found in forests with open to moderate canopy cover and a dense understory near water. Requires deep friable soils and a cool moist microclimate (CDFW 2021b).	N	The study area is outside the known range of the species.

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<i>Canis lupis</i>	gray wolf	None	SE	---	Was considered extirpated from California by the early 20th Century, but as of 2012 has begun re-establishing an intermittent presence in the northeastern part of the state, from Siskiyou and Shasta Counties south through Lassen and Plumas Counties (CDFW 2020). Habitat preferences appear to be more prey dependent than cover dependent. Territories have a variety of topographic features. Forests, open meadows, rocky ridges, and lakes or rivers all comprise a pack's territory. In the West, have been known to follow the seasonal elevational movements of ungulate herds (Snyder 1991).	N	The study area is outside the known range of the species.
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	None	SSC	---	Ranges throughout California except for high elevation portions of the Sierra Nevada Mountains. Generally prefers mesic habitats but known to occur in all non-alpine habitats of California. Roosting occurs in caves, tunnels, mines, buildings, or other structures. This species may use different roosting sites during the day versus during the night (CDFW 2021b).	Y	Potential to occur in all types of habitats including developed portions of the study area.
<i>Eumops perotis californicus</i>	western mastiff bat	None	SSC	---	Ranges throughout southern California, the central coast, and the Sierra Nevada Mountains. Generally occurs in open, arid, or semi-arid habitats. Roosts in rock crevices and buildings (CDFW 2021b).	Y	Potential to occur in all types of habitats including developed portions of the study area.
<i>Lasiurus blossevillii</i>	western red bat	None	SSC	---	Ranges across the Central Valley, as well as the coast and Coast Range mountains from Mendocino County south, and east across the Los Angeles area into the Inland Empire region. Occurs in most	Y	Potential to occur in all types of habitats including developed portions of the study area.

Scientific Name	Common Name	Federal Status	State Status	State Rare Plant Rank	General Habitat Characteristics	Potential to Occur in Study Area	Rationale
					habitats except desert and alpine areas. Roosts in trees, sometimes shrubs, and typically at the margins of habitats (CDFW 2021b).		
<i>Pekania pennanti</i>	fisher (West Coast DPS)	None	SSC	---	Large areas of mature, dense forest stands with snags and greater than 50% canopy closure. Uncommon permanent resident of the Sierra Nevada, Cascades, and Klamath Mountains; also found in a few areas in the North Coast Ranges (USFWS 2014).	N	Not likely to occur in study area due to the lack of mature, dense canopy forest.
<i>Taxidea taxus</i>	American badger	None	SSC	---	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils in which they excavate burrows and forage for their fossorial mammal prey (CDFW 2021b).	Y	Potential to occur in annual grassland, mixed chaparral, and blue oak-foothill pine habitats in the study area.

Status: Federal Endangered (FE); Federal Threatened (FT); State Endangered (SE); State Threatened (ST); State Candidate Endangered (SCE); State Fully Protected (SFP); State Rare (SR); State Species of Special Concern (SSC); Bald and Golden Eagle Protection Act (BGEPA); California Native Plant Society (CNPS) State Rare Plant Rankings: 1B = Rare, Threatened, or Endangered in California and Elsewhere, 2B = Rare, Threatened, or Endangered in California, but More Common Elsewhere, Threat Ranks – 0.1 = Seriously threatened in California, 0.2 = Fairly threatened in California, 0.3 = Not very threatened in California