2016 Monitoring Report
±586-Acre Rocklin Open Space Preserve
City of Rocklin, California

Regulatory Permits: Claremont (SPK-199900728), Orchard Creek (SPK-2000-00007), Stanford Ranch (SPK-1901-09988), Sunset West (SPK-199300519), and Whitney Ranch (SPK-199800668)

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1.0 EXECUTIVE SUMMARY

This report presents the results of the 2015-2016 monitoring of the approximate 585-acre Rocklin Open Space Preserve (Preserve). The Preserve includes the 24-acre Orchard Creek Preserve, the 309-acre Stanford Ranch Preserve, the 146-acre Sunset West Preserve, the 91-acre Whitney Ranch Preserve, and the 15-acre Claremont Preserve. The City of Rocklin (City) adopted the *City of Rocklin General Open Space Management Plan* (GOSMP) in 2015 to facilitate the management of all of the City's open space holdings. Under the GOSMP, the primary goal is to conserve and protect the functions and values of existing habitats, including vernal pool grasslands, seasonal wetlands, riparian areas, and oak woodlands within the Preserve. The GOSMP requires annual monitoring reports to identify whether special-status species occur within the Preserve, to compare the vegetative and hydrologic condition of the Preserve to the recorded baseline conditions, and to make recommendations for active management should problems occur including vandalism, dumping, invasive species infestations, potential fuel buildup, and fencing issues. Although the open space preserve areas have been established for a number of years, full habitat assessments are required in the first year (Year 1) to establish baseline conditions. The purpose of the 2015-2016 annual monitoring was to establish Year 1 baseline conditions to compare with future annual monitoring efforts and to document whether performance standards are met within the Preserve.

2.0 PROJECT BACKGROUND

2.1. Background

The City adopted the GOSMP in May of 2015 following the approval of the GOSMP by the U.S. Army Corps of Engineers (USACE). The GOSMP allows combined management of over 585 acres in five open space preserves. The GOSMP replaces the previous project-specific management plans, which includes the following:

- *Orchard Creek Open Space Preserve Operations and Management Plan*;
- *Whitney Ranch (Sunset Ranchos Phase 1) Open Space Conservation Easement Operations and Management Plan*;
- *Use Plan Addendum to the Operations and Management Plan/Conservation Easement for the Stanford Ranch Open Space Preserve*; and
- *Operations and Management Plan for the Claremont (Parcel K) Open Space Preserve*.

As discussed above, the GOSMP requires a variety of annual surveys as well as larger baseline surveys every five to ten years. Although the open space preserves have been established for a number of years, full habitat assessments are required in the first year to establish baseline conditions.

2.2. Existing Conditions

The Preserve includes five areas: Claremont, Orchard Creek, Stanford Ranch, Sunset West, and Whitney Ranch (**Figure 1**). **Table 1** identifies the Preserve areas by acreages and habitat types documented in the GOSMP (City of Rocklin 2015).

TABLE 1 — PRESERVE AREA BY HABITAT TYPES

Preserve Area	Acreage	Habitat Types and Existing Conditions
Claremont	±15 acres	Detention basin, pond, seasonal wetland, open grassland, native and planted oaks, and preserved rock formation
Orchard Creek	±24 acres	Riverine seasonal wetland, vernal pool, intermittent drainage swale, and annual grassland dominated by invasive species
Stanford Ranch	±309 acres	Annual grassland, riparian, oak woodland, vernal pool, seasonal wetland, and Pleasant Grove Creek
Sunset West	±146 acres	Annual grassland, riparian, Pleasant Grove Creek, intermittent drainage, drainage swale, historic and created seasonal wetland, riverine wetland, and vernal pool
Whitney Ranch	±91 acres	Annual grassland, drainages, and riparian

2.3. Success Criterion

2.3.1. Residual Dry Matter Monitoring

The GOSMP identifies the target residual dry matter (RDM) for the Preserve as no more than 1,200 pounds (lbs.)/acre, but did not set a minimum RDM target. The typical RDM objective for California annual grassland is a RDM between 800 and 1,200 lbs./acre (Bartolome *et. al* 2006). The typical minimum RDM objective for hardwood range with 50 to 75 percent cover is 400 lbs./acre for a 20 to 40 percent slope and may be as low as 200 lbs./acre on flatter areas. Because the majority of the creek corridors are heavily sloped, the target RDM range for oak woodland areas was established as 400-1,200 lbs./acre. Areas with a RDM exceeding 1,200 lbs./acre are considered to have excess vegetation growth and grazing or mowing practices should be implemented, while areas with a RDM below the target range are overgrazed and stocking rates should be reduced.

2.3.2. Vernal Pool Monitoring

As outlined in the GOSMP, 20 percent of the vernal pools within the Preserve were surveyed. The same select group of vernal pools will be monitored from year-to-year and will be assessed under the established performance standards. The performance standards are outlined below.

Hydrologic Performance Standards

- Pools must be inundated for a duration that is within the range of ponding for natural vernal pools.
- Pools must hold water in a manner consistent with the normal inundation season of natural pools.

Floristic Performance Standards

- Plant species with greater than 25 percent vegetative cover are considered dominant plant species. If no plant species are greater than 25 percent relative cover in a pool, then the plant species with at least 10 percent relative cover are considered dominant plant species.
- Each vernal pool must be dominated by hydrophytic vegetation according to the methods provided in the 1987 *U.S. Army Corps of Engineers Wetland Delineation Manual* (Environmental Laboratories 1987) or the Prevalence Index found in the *Food Securities Act Manual.*

Invertebrate Performance Standards

- Wet-season invertebrate surveys are to be conducted in accordance with the U.S. Fish and Wildlife Service (USFWS) protocol survey for listed vernal pool branchiopods, as outlined in the *Survey Guidelines for the Listed Large Branchiopods* (USFWS 2015). Two exceptions to the survey protocol are that the pools are required to be surveyed only once during the year rather than every two weeks throughout pool inundation and only 20 percent of the vernal pools within the Preserve are required to be surveyed.

2.4. Monitoring Methodology

2.4.1. General Preserve Inspections

General Preserve inspections were conducted throughout the 2015-2016 season in combination with other annual and baseline monitoring tasks.

2.4.2. Aquatic Resources Delineation

Aquatic Resources Delineations were conducted on December 21, 22, 23, 28, 29 and 30, 2015, January 5, 6, 7, 8, 13, 14, 18, 19, 21, and 26, 2016, and February 3, 2016. Wetlands were mapped in accordance with the 1987 *U.S. Army Corps of Engineers Wetland Delineation Manual*, the *Arid West Supplement*, and *Rapanos Guidelines*, with the exception that only hydrology and vegetation characteristics were used to identify wetlands. No formal 3-parameter data points were collected. The top of bank was used to delineate the ordinary high water mark (OHWM) of drainages. Wetland boundaries were collected using handheld Trimble GeoXT global positioning system (GPS) units with sub-meter accuracy.

Following the completion of the field mapping, the GPS data were downloaded from the units and differentially corrected utilizing Trimble Pathfinder Office software and appropriate base station data, and then converted to ESRI® shape file format. Data were exported to the Geographic Information System (GIS) software in the State Plane coordinate system (NAD 83) with units as "survey feet." Within the GIS, data are edited and linear features are built into polygons using recorded width information. All wetland shape files are merged to create a single wetland file with calculated acreages. These files were merged with existing GIS files provided by the City. The wetlands and waterways identified within the GOSMP were revised based on the USACEs' standards, which include wetland and non-wetland waters.

2.4.3. Vegetative Community Mapping

Vegetative communities were initially mapped using aerial photo interpretation in ArcView 10.3. The community mapping was subsequently field checked during the other site studies and updated with the aquatic resources delineation and oak woodland information. The basic vegetative communities remain consistent with those described in the GOSMP.

2.4.4. Oak Woodland Monitoring

All oak woodlands within the Preserve were systematically surveyed on foot by ISA-Certified Arborists Jared Barnes (WE-6417A) and Charlotte Marks (WE-10519A) in September and October 2015. All existing oak trees were closely examined to determine their species type and diameter at breast height (DBH). A diameter tape or calipers were used to verify each trunk diameter at the industry standard of 54 inches above grade. The measurement from the trunk to the end of the longest lateral limb was used as the dripline radius (DLR). Recommendations for removal or suitability for preservation were noted for each tree. All trees greater than 6-inches DBH were inventoried and tagged with pre-printed aluminum tags. The locations of the tagged trees were recorded with handheld GPS units.

The health and structural condition of each tree was rated according to **Table 2**. The health rating considers factors such as the size, color, and density of the foliage; the amount of deadwood within the canopy; bud viability; evidence of wound closure; and the presence or evidence of stress, disease, nutrient deficiency, and/or insect infestation. The structural rating reflects the trunk and branch configuration; canopy balance; the presence of included bark and other structural defects such as decay; and the potential for structural failure. In cases where conditions fall between the Good, Fair, and Poor ratings, intermediate ratings of Fair-Good and Fair-Poor were used.

TABLE 2 — TREE RATING SYSTEM

Rating	Tree Health
Good	There is an average or below-average amount of deadwood/dieback with respect to the tree's size and growing environment; leaf size, color, and density are typical for the species; buds are normal size, viable, abundant, and uniform throughout the canopy; current and past growth increments are generally average or better; any callusing is vigorous. This health rating indicates that there is very little, if any, evidence of stress, disease, nutrient deficiency, and/or insect infestation.
Fair	There is an above-average amount of deadwood/dieback with respect to the tree's size and growing environment; leaf size, color, and density may be below what is typically expected for the species; buds are normal size and viable, but slightly sparse throughout the canopy; current and past growth increments may be below average; tree may be slow to callus around old wounds. This health rating indicates that there is moderate evidence of stress, disease, nutrient deficiency, and/or insect infestation.
Poor	There is an extreme amount of deadwood/dieback with respect to the tree's size and growing environment; leaf size, color, and density are clearly compromised; very few viable buds are present throughout the canopy; current and past growth increments are meager; no evidence of callusing around old wounds. This health rating indicates that there is widespread evidence of stress, disease, nutrient deficiency, and/or insect infestation.
	Tree Structure
Good	No wounds, cavities, decay, or indication of hollowness are evident in the root crown, trunk, or primary and secondary limbs; no anchor roots are exposed; no codominant branching or multiple trunk attachments are present; very little included bark at branch attachments exists; no dead primary or secondary limbs are present in canopy; there have been no major limb failures; limbs are not overburdened; branching structure is appropriate for species; any decay is limited to small dead branches/stubs. This structure rating represents a low potential for failure.
Fair	With respect to the size of the tree, small to moderate wounds, cavities, decay, and indication of hollowness may be evident in the root crown, trunk, and/or primary and secondary limbs; some anchor roots may be exposed; codominant branching or multiple trunk attachments may be present, but included bark does not exist or is not well developed; minor to moderate amounts of included bark at branch attachments may exist; there may be small to moderate amounts of large dead limbs in canopy, but there is no evidence of large limb failures; limbs may be slightly overburdened; branching structure and/or canopy balance may be moderately altered by the tree's growing environment. This structure rating represents a moderate potential for failure.

Poor	With respect to the size of the tree, significant wounds, cavities, decay, and/or indication of hollowness may be evident in the root crown, trunk, and/or primary and secondary limbs; anchor roots may be exposed and/or the tree may have lost anchorage; codominant branching or multiple trunk attachments may be present; significant amounts of included bark may exist in trunk and branch attachments; there may be significant amounts of large dead limbs in the canopy; there may be evidence of trunk or large limb failures; limbs may be severely overburdened; branching structure and/or canopy balance may be drastically altered by the tree's growing environment. This structure rating represents a high potential for failure.

Additionally, areas of oak trees greater than 3-feet in height, but less than 6-inches DBH were mapped as polygons or points by biologists using handheld GPS units. Single trees or groups of trees in areas less than 3-feet by 3-feet were mapped as points. These were classified as oak canopy based on the dominant oak species.

2.4.5. Invasive Species Monitoring

Foothill Associates' biologists surveyed the Preserve for invasive species between August 11, 2015 and September 22, 2015. Random transects spaced approximately 60-feet apart were walked throughout the Preserve to ensure total visual coverage. Locations of invasive species were recorded using the ArcGIS *Collector* app for Androids and iPhones. Because the 2015-2016 annual monitoring was the first year (Year 1) of mapping, attention was focused on the most noxious herbaceous and woody species. Clusters or populations of invasive species were mapped as polygons. Single or populations of plants less than 3-feet by 3-feet were mapped as points. The results of the surveys were updated to the City's GIS Database through the ArcGIS *Collector* app. The results of the invasive species mapping and recommendations for management strategies are discussed in detail in the *Rocklin Open Space Invasive Species Habitat Mapping Report* (Foothill Associates 2015) prepared for the City and summarized in this report.

2.4.6. Vernal Pool Invertebrate Monitoring

Wet-season surveys for listed vernal pool branchiopods were conducted by Meredith Branstad, Jacquelyn Zuker, and Kelly Bayne on February 5, 9, and 26, 2016 and March 15 and 16, 2016. A total of 65 pools were surveyed in three areas of the Preserve: Stanford Ranch, Orchard Creek, and Sunset West. Of those, 57 pools were sampled and the remaining eight were observed to be dry on all sampling dates. The pools were randomly selected to provide a variety of sizes and an even dispersion from throughout the Preserve.

The wetlands were sampled by pulling a D-frame, 150-micron aquatic dip-net through the water column. The dip-net was undulated up and down through the water column to ensure a representative sample from each of the wetlands sampled. A minimum of three five-foot passes were made with the dip-net in each sampled pool. No voucher specimens were collected.

The estimated number (e.g., 10s, 100s, 1,000s, etc.) of listed branchiopods along with the presence of common invertebrates, insects, and other wildlife species within each wetland was recorded. Other data collected during sampling included the wetland number, water depth, estimated maximum depth, inundation area, percent inundation, water temperature, and general habitat and weather conditions. The estimated maximum depth and percent inundation was used to monitor hydrology.

2.4.7. Vernal Pool Floristic Monitoring

Floristic monitoring was conducted on April 2, 7, 13, 14, 23, 26, and 27, 2016 and May 19 and 23, 2016. Floristics monitoring was conducted on the same pools as the ones selected for the invertebrate monitoring. Surveys were conducted on different dates in an attempt to best capture the peak floristic conditions of pools that were no longer inundated. Meandering transects were walked through the entire area of each pool and all observed species were recorded. Each species observed within the pool was assigned a relative cover score using the Braun-Blanquet scale from 0-5 (**Table 3**).

TABLE 3 — BRAUN BLANQUET SCALE

Scale	Relative Cover Range
0	<1%
1	1-5%
2	6-25%
3	26-50%
4	51-75%
5	>75%

2.4.8. Residual Dry Matter Monitoring

A total of 50 RDM points were established within the Preserve; 30 in annual grassland habitat and 20 in oak woodland habitat. Previously used RDM sampling locations provided by the City were included in the sampling locations (**Figure 2**). RDM sampling was conducted on September 29, 2015 and October 2, 8, and 10, 2015. Vegetative sampling was subsequently conducted on the same 50 RDM plots on April, 13, 14, 26, 27, and 29, 2016 and May 2, 3, and 24, 2016. In the fall RDM sampling, Foothill Associates' biologists clipped vegetation within one square-foot plots, as outlined in the *Guidelines for Residual Dry Matter on Coastal and Foothill Rangelands* (RDM Guidelines) (Bartolome *et. al* 2006). In addition, the biologists clipped vegetation within one square meter plots, as outlined in the GOSMP. The weight of vegetation collected from the one square foot plots was used for calculation purposes. A Robel pole along with a golf ball, baseball, and basketball were placed at the RDM plot. The boundaries of the 3-meter square test plot were marked using pin flags. Representative photographs were taken from each sample location at 10-feet and 20-feet from the Robel pole. During, the spring vegetative monitoring, the scientific and common name and absolute cover of all species within the 1-square-meter test plot were recorded. Representative photographs of the RDM sampling plots are provided in **Appendix A**.

2.4.9. Riparian Monitoring

In the fall, riparian monitoring was conducted between August 11, 2015 and September 22, 2015. In the spring, riparian monitoring was conducted on April, 13, 14, 26, 27, and 29, 2016 and May 2, 3, and 24, 2016. The riparian areas were examined on foot to evaluate creek conditions and determine areas with restoration potential.

3.0 BASELINE STUDY RESULTS

3.1. Aquatic Resources Delineation

A total of 134.53 acres of aquatic features were delineated in the Preserve including vernal pool, depressional seasonal wetland, depressional seasonal marsh, riverine seasonal wetland, ephemeral drainage, intermittent drainage, perennial drainage, seep, ditch, and pond (**Figure 3**) (**Sheets 1-4**). **Table 4** summarizes the wetland type by acreage and Preserve area.

TABLE 4 — WETLAND ACREAGES BY PRESERVE AREA

Wetland Type	Claremont	Orchard Creek	Stanford Ranch	Sunset West	Whitney Ranch	Total
Vernal Pool	--	0.15	5.51	5.67	--	**11.33**
Depressional Seasonal Wetland	0.25	0.23	11.74	1.61	3.00	**16.83**
Depressional Seasonal Marsh	--	--	0.07	0.07	--	**0.14**
Riverine Seasonal Wetland	--	0.15	36.74	16.08	0.44	**53.40**
Ephemeral Drainage	--	--	0.68	0.14	0.11	**0.93**
Intermittent Drainage	0.02	0.87	14.22	4.67	6.57	**26.35**
Perennial Drainage	--	--	8.02	5.21	--	**13.24**
Seep	--	--	0.01	--	0.03	**0.04**
Ditch	0.41	--	--	--	--	**0.41**
Pond	1.80	--	0.03	--	10.04	**11.87**
Total	**2.48**	**1.40**	**77.02**	**33.44**	**20.18**	**134.53**

3.2. Vegetative Communities Mapping

Based on information collected during the aquatic resources delineation, oak woodland inventory, and aerial photo interpretation (GoogleEarth 2016), a vegetative communities map was developed (**Figure 4**). Six vegetative communities were identified: annual grasslands, vernal pool annual grassland complexes, riparian woodland, oak woodland, seasonal wetland, and drainage/pond. Wetlands described in **Section 2.4.2** may be located within each vegetative community. **Table 5** summarizes the vegetative community acreage located in each Preserve area. Each vegetative community is described in more detail below.

TABLE 5 — VEGETATIVE COMMUNITY ACREAGE BY PRESERVE AREA

	Claremont	Orchard Creek	Stanford Ranch	Sunset West	Whitney Ranch	Total
Annual Grassland	11.12	--	66.75	29.00	79.89	**185.77**
Vernal Pool Annual Grassland Complex	--	22.94	93.46	60.20	--	**176.59**
Riparian Woodland	0.91	--	96.16	20.56	6.88	**124.51**
Oak Woodland	2.08	--	16.85	--	--	**18.93**
Seasonal Wetland	0.01	0.20	36.02	36.34	0.03	**72.59**
Drainage/Pond	0.71	0.52	--	--	5.08	**6.31**
Total	**14.81**	**23.66**	**309.24**	**146.10**	**90.89**	**584.70**

3.2.1. Annual Grassland

Annual grassland occurs throughout the Preserve. Dominant vegetation within the annual grassland includes: ryegrass (*Festuca perennis*), medusa head (*Elymus caput-medusae*), ripgut brome (*Bromus diandrus*), soft chess brome (*Bromus hordeaceus*), wild oat (*Avena* sp.), Fitch's tarweed (*Hemizonia fitchii*), prickly lettuce (*Lactuca serriola*), rose clover (*Trifolium hirtum*), vetch (*Vicia* sp.), yellow star-thistle (*Centaurea solstitialis*), annual bluegrass (*Poa annua*), Mediterranean barley (*Hordeum marinum* ssp. *gussoneanum*), mustard (*Brassica nigra*), bull thistle (*Cirsium vulgare*), miner's lettuce (*Claytonia perfoliata*), wild radish (*Raphanus sativus*), black mustard (*Brassica nigra*), Italian thistle (*Carduus pycnocephalus*), milk thistle (*Silybum marianum*), and summer mustard (*Hirschfeldia incana*).

The annual grassland supports commonly occurring wildlife species including: California vole (*Microtus californicus*), black-tailed jackrabbit (*Lepus californicus*), deer mouse (*Peromyscus maniculatus*), and pocket gopher (*Thomomys bottae*).

3.2.2. Vernal Pool Annual Grassland Complex

Vernal pool annual grassland complexes occur within several areas of the Preserve. Dominant vegetation within the vernal pools within these complexes includes: coyote thistle (*Eryngium vaseyi*), double-horned downingia (*Downingia bicornuta*), woolly marbles (*Psilocarphus brevissimus*), Fremont's goldfields (*Lasthenia fremontii*), Great Valley popcorn flower (*Plagiobothrys stipitatus*), spikerush (*Eleocharis macrostachya*), vernal pool buttercup (*Ranunculus bonariensis*), harvest brodiaea (*Brodiaea elegans*), hawkbit (*Leontodon saxatilis*), annual lupine (*Lupinus bicolor*), and navarretia (*Navarretia leucocephala*). Upland herbaceous vegetation is similar to those described in **Section 3.2.1**. When inundated or saturated, wetlands and vernal pools provide habitat for aquatic invertebrates and amphibians.

3.2.3. Riparian Woodland

Riparian woodland occurs within the Preserve. Dominant vegetation includes: black willow (*Salix goodingii*), Himalayan blackberry (*Rubus armeniacus*), wild rose (*Rosa californica*), wild

grape (*Vitis californica*), button willow (*Cephalanthus occidentalis*), interior live oak (*Quercus wislizenii*), valley oak (*Quercus lobata*), blue oak (*Quercus douglassii*), Fremont cottonwood (*Populus fremontii*), willow (*Salix lasiolepsis*), California black walnut (*Juglans hindsii*), common fig (*Ficus carica*), mulberry (*Morus* sp.), stinging nettle (*Urtica dioica*), poison hemlock (*Conium maculatum*), and western poison oak (*Toxicodendron diversilobum*).

The riparian woodlands support commonly occurring wildlife species including: black tailed deer (*Odocoileus hemionus*), Bewick's wren (*Thryomanes bewickii*), downy woodpecker (*Picoides pubescens*), red-shouldered hawk (*Buteo lineatus*), great horned owl (*Bubo virginianus*), fox sparrow (*Passerella iliaca*), spotted towhee (*Pipilo maculatus*), song sparrow (*Melospiza melodia*), and striped skunk (*Mephitis mephitis*).

3.2.4. Oak Woodland

Oak woodland occurs within the Preserve. Dominant vegetation includes: blue oak, valley oak, interior live oak, hoary coffeeberry (*Rhamnus tomentella*), coyote brush (*Baccharis pilularis*), toyon (*Heteromeles arbutifolia*), and western poison oak. Herbaceous understory species are similar to those described in **Section 3.2.1**.

The oak woodland supports commonly occurring wildlife including: acorn woodpecker (*Melanerpes formicivorus*), western scrub-jay (*Aphelocoma californica*), American kestrel (*Falco sparverius*), and California ground squirrel (*Otospermophilus beecheyi*).

3.2.5. Seasonal Wetland

Seasonal wetland occurs throughout the Preserve. Depressional seasonal wetlands occur as depressions within the topography with a hydrologic regime dominated by saturation and capable of supporting hydrophytic plant species and hydric soils. Dominant vegetation within the depressional seasonal wetlands includes: spikerush, ryegrass, rattail sixweeks grass (*Festuca myuros*), rabbitfoot grass (*Polypogon monspeliensis*), and Mediterranean barley. Riverine seasonal wetlands are defined by a hydrologic regime dominated by unidirectional flow of water. Dominant vegetation within the riverine seasonal wetlands includes: ryegrass, spikerush (*Eleocharis macrostachya*), and Mediterranean barley.

3.2.6. Drainage/Pond

Drainage/pond occurs throughout the Preserve. Ponds are typically manmade, formed from impoundments. Dominant vegetation along the edges of the ponds include ryegrass, Himalayan blackberry, and curly dock (*Rumex crispus*). Drainages include perennial, intermittent, and ephemeral. Perennial drainages generally convey unidirectional water flows throughout the entire year. Dominant vegetation observed along the banks of the perennial drainages includes those identified under the **Section 3.2.3**. Water within intermittent drainages are fed primarily by a seasonally perched groundwater table and supplemented by precipitation and stormwater runoff. Dominant vegetation along the banks of the intermittent drainages includes ryegrass, wild oat, medusa head, and soft chess.

Ephemeral drainages are primarily fed by stormwater runoff. These features convey flows during and immediately after storm events but may stop flowing or begin to dry if the interval between storm events is long enough. Dominant vegetation within the bed and along the banks of the ephemeral drainages include upland species including wild oat, medusa head, and soft chess.

3.3. Oak Woodland Inventory

A total of 804 oak trees were inventoried in the Preserve. These include: 414 interior live oaks, 277 valley oaks, 107 blue oaks, 3 black oaks, and 3 oracle oaks (*Quercus* x *morehus*). Additionally, 0.356 acre of oak woodland canopy formed by trees with trunks smaller than six inches DBH were mapped. **Table 6** summarizes the results of the oak woodland inventory. Tree locations and oak woodland areas are shown in **Figure 5**.

TABLE 6 — OAK WOODLAND BY PRESERVE AREA

	Claremont	Orchard Creek	Stanford Ranch	Sunset West	Whitney Ranch
# of Surveyed Trees	28	--	656	11	109
Total Oak Woodland (acres)	2.08	--	16.85	--	--
Total Riparian Oak Woodland (acres)	0.91	--	96.16	20.56	6.88

In general, the inventoried trees are in good health with respect to tree vigor and live canopy density. **Table 7** identifies the number of surveyed trees by health and structure ratings. The data collected for each inventoried tree is provided in **Appendix B**.

TABLE 7 — NUMBER OF TREES BY HEALTH AND STRUCTURE RATINGS

		Health					
Structure		Good	Fair-Good	Fair	Poor-Fair	Poor	Total Trees
	Good	113	22	1	--	--	136
	Fair-Good	103	167	21	--	1	292
	Fair	11	123	114	6	1	255
	Poor-Fair	1	16	50	23	--	90
	Poor	--	5	4	11	11	31
	Total Trees	**228**	**333**	**190**	**40**	**13**	**804**

3.4. Special-Status Plant Species

Although the GOSMP identifies six special-status plant species with the potential to occur in the Preserve, five of the species are associated with gabbro or serpentine soils that are not known from the Rocklin area and include: Stebbin's morning-glory (*Calystegia stebbinsii*), Pine Hill ceanothus (*Ceanothus roderickii*), El Dorado bedstraw (*Galium californicum* ssp. *sierrae*), Tahoe yellow-cress (*Rorippa subumbellata*), and Layne's butterweed (=ragwort) (*Packera layneae*).

The sixth species, Sacramento Orcutt grass (*Orcuttia viscidia*) has the potential to occur within the Preserve.

Focused special-status plant surveys were not conducted during the baseline surveys 2015-2016 annual monitoring. Focused special-status plant surveys will be conducted during the blooming period for Sacramento Orcutt grass, which extends from April through September, in 2017. Special-status plant surveys will be conducted every five years following the 2017 surveys. No special-status plants were observed during the routine monitoring within the Preserve.

3.5. Special-Status Wildlife Species

The GOSMP identifies 14 special-status wildlife species to be considered during Preserve management. However, Rocklin is outside the range of six of these species: California tiger salamander (*Ambystoma californiense*; CTS), California red-legged frog (*Rana draytonii*; CRLF), giant garter snake (*Thamnophis gigas*; GGS), delta smelt (*Hypomesus tranpacificus*), Lahontan cutthroat trout (*Oncorhynchus clarkii henshawi*), and fisher (*Martes pennanti*).

The remaining eight species have the potential to occur within the Preserve include: western yellow-billed cuckoo (*Coccyzus americanu occidentalis*), Central Valley steelhead (*Oncorhynchus mykiss*), Central Valley spring-run Chinook salmon (*Oncorhynchus tshawytscha*), Central Valley winter-run Chinook salmon (*Oncorhynchus tshawytscha*), conservancy fairy shrimp (*Branchinecta conservatio*), vernal pool fairy shrimp (*Branchinecta lynchi*), vernal pool tadpole shrimp (*Lepidurus packardi*), and valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*; VELB). In addition, the Preserve provides habitat for Swainson's hawk (*Buteo swainsoni*), western burrowing owl (*Athene cunicularia*), and western pond turtle (*Actinemys marmorata*).

Other than annual vernal pool invertebrate monitoring described in **Section 4.2.1**, focused special-status wildlife surveys were not conducted during the 2015-2016 baseline surveys. Focused wildlife surveys will be conducted during the 2016-2017 monitoring year. Western pond turtles (*Actinemys marmorata*) were observed in Stanford Ranch (SR-14).

3.5.1. Valley Elderberry Longhorn Beetle (VELB)

Although protocol-level surveys were not conducted for VELB during the 2015-2016 annual monitoring, the locations of blue elderberry (*Sambucus nigra* ssp. *caerulea*) shrubs were documented during the oak woodland and riparian surveys (**Figure 5**). These shrubs will be surveyed for evidence of VELB habitation during the 2016-2017 annual monitoring.

4.0 ANNUAL MONITORING RESULTS

Annual monitoring tasks are required throughout the year to ensure that the Preserve continues to protect the functions and values of existing habitats, including vernal pool grasslands, seasonal wetlands, riparian areas, and oak woodlands, in accordance with the GOSMP. This includes invasive species mapping, vernal pool monitoring, RDM monitoring, wetland and riparian monitoring, and general Preserve condition monitoring. A complete list of plants and wildlife observed during the 2015-2016 annual monitoring is included in **Appendix C**. Representative photographs are provided in **Appendix A**.

4.1. Invasive Species Mapping

In total, 18 invasive weedy and woody plant species were inventoried in the Preserve. Invasive weedy species include: black mustard, bull thistle, Italian thistle, milk thistle, summer mustard, water hyacinth (*Eichhornia crassipes*), pampas grass (*Cortaderia* sp.), yellow star-thistle, curly dock, bristly ox-tongue (*Helminthotheca echioides*), and stinkwort (*Dittrichia graveolens*). Invasive woody species include: black locust (*Robinia pseudoacacia*), Callery pear (*Pyrus calleryana*), Chinese tallow (*Triadica sebifera*), common fig (*Ficus carica*), Himalayan blackberry, Eucalyptus (*Eucalyptus* sp.), and tree of heaven (*Ailanthus altissima*). The locations of invasive species are shown in **Figure 6**.

In total, approximately 31 acres of invasive species (5%) of the Preserve and 1,358 individual woody plants were mapped. Overall, the level of invasive species in the Preserve is consistent with other open space and undeveloped habitats in the region. Yellow star-thistle is the most widespread invasive species mapped, which is present in over 23 acres of the Preserve. The majority of the yellow-star thistle occurs within the annual grassland. Chinese tallow is the most widespread woody tree present, with 1,084 occurrences mapped within the Preserve. The majority of Chinese tallow trees occur along the creeks and drainages. **Table 8** summarizes the invasive species occurrences.

TABLE 8 — INVASIVE SPECIES

Species	Number of Occurrences	Approximate Acreage*	Cal-IPC Ranking
Chinese Tallow	1,084	2.1	Moderate
Yellow Star-Thistle	396	23.3	High
Callery Pear	124	0.1	Not Listed
Common Fig	99	0.1	Moderate
Himalayan Blackberry	86	2.7	High
Stinkwort	70	2.0	Moderate
Tree of Heaven	69	0.1	Moderate
Italian Thistle	51	0.6	Moderate
Milk Thistle	31	0.9	Limited
Curly Dock	29	0.2	Limited
Black Mustard	27	0.2	Moderate
Bull Thistle	22	0.3	Moderate
Pampas Grass	13	<0.1	High
Black Locust	4	<0.1	Limited
Bristly Ox-tongue	1	<0.1	Limited
Summer Mustard	1	<0.1	Moderate
Water Hyacinth	1	<0.1	High
Eucalyptus	1	--	Limited

*Acreage based on mapped areas and assumption of 50 square foot per point occurrence

4.2. Vernal Pool Monitoring

4.2.1. Invertebrate and Hydrological Monitoring

The federally threatened vernal pool fairy shrimp were observed in two vernal pools within the Preserve; Pool #14 in the Stanford Ranch area and Pool #54 in the Sunset West area (**Figure 7**). Other non-listed aquatic invertebrates observed during the surveys include: water fleas (Cladocera), clam shrimp (Conchostraca), copepods (Copepoda), seed shrimp (Ostracoda), flatworms (Planaridae), diving water beetles (Dytiscidae), midges (Chironomidae), crawling water beetles (Haliplidae), and backswimmers (Notonectidae). Sierran chorus frog (*Pseudacris sierra*) tadpoles were also observed in multiple pools. Detailed invertebrate sampling data are provided in **Appendix D**.

The estimated maximum depth of all of the pools ranged from to 1 to 20 inches (2.5 to 51 centimeters) and the total percent inundation ranged from 5 to 100 percent. Overall, the

vernal pools within the Preserve exhibit hydrology typical of vernal pools within the Central Valley. Hydrologic data is included on the invertebrate sampling data sheets in **Appendix D**.

4.2.2. Vernal Pool Floristic Monitoring

Seven species were recorded in at least 75 percent of the sampled pools within the Orchard Creek, Sunset West, and Stanford Ranch areas of the Preserve. These include: coyote thistle, Mediterranean barley, woolly marbles, Fremont's goldfields, hawkbit, Great Valley popcornflower, and navarretia. The datasheets from the floristic surveys, which include the cover class for each species observed, are included in **Appendix E**.

Vernal pools having a Prevalence Index of 3 or less indicate that they are dominated by hydrophytic vegetation. Twenty-four of the 29 pools (~83%) surveyed on Sunset West meet the floristics performance standard. Three of the four pools (75%) surveyed on Orchard Creek meet the floristics performance standard. Twenty-six of the 29 pools (~ 90%) surveyed on Stanford Ranch meet the floristics performance standard. Of the combined 62 pools surveyed within the Preserve, 51 pools have a Prevalence Index of 3 or less. Therefore, 82 percent of the pools meet the performance standards. Overall, the floristics within the vernal pools exhibit similar hydrophytic plant species typical of vernal pools within the Central Valley.

4.3. Residual Dry Matter and Vegetative Monitoring

In total, 47 out of 50 RDM plots were sampled in Fall 2015 within the Preserve. Three oak woodland RDM plots in the Stanford Ranch Preserve could not be sampled because they either had no vegetative cover, had been planted with landscape planting and mulch, or the vegetation was still green. The three RDM plots were moved slightly for spring surveys. Overall, the RDM data collected in the Preserve exceeds the target objective and grazing pressure should be increased on most Preserve areas during the 2016-2017 monitoring season. **Table 9** summarizes the RDM data by Preserve. Detailed spring and fall monitoring data is shown in **Appendix F**. The results of the RDM monitoring were used to develop grazing recommendations, which were summarized the *Rocklin Open Space Residual Dry Matter Sampling Report* (Foothill Associates 2016).

TABLE 9 — SUMMARY OF RDM DATA

Preserve	Total RDM Points	RDM Range (lbs./acre)	Exceeds Objective >1,200 lbs./acre	Meets Objective 800-1,200 lbs./acre	Below Objective <800 lbs./acre
Claremont	2	1,200 – 2,900	50% (1)	50% (1)	0%
Orchard Creek	2	2,500 – 2,700	100% (2)	0%	0%
Stanford Ranch	22	200 – 3,700	55% (12)	32% (7)	13% (3)
Sunset West	12	700 – 3,700	58% (7)	33% (4)	9% (1)
Whitney Ranch	9	500 – 3,500	44% (4)	44% (4)	12% (1)
Total	**47**	**200 – 3,700**	**55% (26)**	**32% (15)**	**13% (6)**

4.4. Wetland and Riparian Monitoring

Overall, the wetlands and riparian areas are in good condition throughout the Preserve. The greatest threats to these habitats include invasive species, as previously discussed. **Figure 8** shows potential creek restoration and rehabilitation sites identified within the Preserve.

Restoration recommendations fall into the following categories: remove invasive plants and stabilize creek banks. A detailed restoration plan outlining the restoration goals, implementation procedures, success criteria, and special maintenance procedures will be developed for specific sites prior to the start of any restoration project.

4.5. Preserve Conditions and General Surveys

Overall, the Preserve was in good condition during the monitoring. Two beaver dams were observed; one within Stanford Ranch (SR-14) and one within Sunset West (SW-2) (**Figure 8**).

There were limited areas of trash, generally located along the perimeter of residential lots. No significant areas of dumping or toxic chemical spills were observed. Although evidence of trespassing was observed in several areas, no gates or damaged fencing were noted. Areas of trash build-up or trespassing were reported to the City on a regular basis and cleaned up by City staff or volunteers. A general map showing the locations where trash and trespassing were observed throughout the year is shown in **Figure 9**.

In total, over 30 wildlife species were observed in the Preserve, including western pond turtle, ring-necked pheasant, great egret, king fisher, and California king snake. A complete list of wildlife species observed in the Preserve is included in **Appendix C**.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Overall, the Preserve was in good condition during the 2015-2016 monitoring year. The monitored vernal pools met or exceeded the performance standards and supported populations of vernal pool fairy shrimp.

5.1. Recommendations

In 2016-2017, monitoring will continue in accordance with the City's GOSMP. The following recommendations for the Preserve include:

- Continue regular trash pick-up without the preserve;
- Implement invasive species management strategies recommended in the *Rocklin Open Space Invasive Species and Habitat Mapping Letter Report* (Foothill Associates 2015) as follows:
  - Select certain areas (such as SR-1, SR-2, SR-6, SR-8, SR-12, SW-4, SW-6, and C-3) for targeted yellow star-thistle control. Adjust grazing program on these areas to ensure intense pressure in May through June. Consider treating these areas with targeted herbicides between January and March. Potentially seed with native plants next winter to help establish a cover crop to compete with yellow star-thistle. Monitor and adjust control techniques in future years depending on their success in reducing the yellow star-thistle population. Once a successful eradication protocol has been determined, it can be used on other areas of the Preserve that are more prone to re-infestation from adjacent open space.
  - Cut and remove tallow trees starting from the upper ends of the drainages. To avoid impacts to nesting birds, trees should be removed outside of the nesting season (February 15 through August 30), if possible. This work would be done under the existing *Memorandum of Understanding with the California Department of Fish and Wildlife* (CDFW) *for Stream Channel Maintenance*. The City should work to develop a replanting program to replace removed trees with native trees. Native tree planting is a good project for volunteers.
  - Mow or cut Himalayan blackberry and remove vines. Revisit area monthly to remove additional vines or rootstock or allow targeted grazing by goats to eat new growth. To avoid impacts to nesting birds, vines should be removed outside of the nesting season (February 15 through August 30), if possible. This work would be done under the existing *Memorandum of Understanding with the CDFW for Stream Channel Maintenance*. The City should work to develop a replanting program to replace removed blackberry with native shrubs. Manual removal of blackberry root mass or young/re-sprouted plants and planting native shrubs may be a suitable project for volunteers.
  - Remove pampas grass by either digging out rootmass or cutting and treating with herbicide, depending on the size of the plant. This work would be done under the

existing *Memorandum of Understanding with the CDFW for Stream Channel Maintenance*. Manual removal of pampas grass is a good project for volunteers.

  - Treat water hyacinth with a glyphosphate herbicide approved for use in aquatic environments as soon as legally possible. Prior to using aquatic herbicides, the City must be covered under the State Weed Control NPDES Permit (Order 2013-0002-DWQ). An application for coverage, consisting of a Notice of Intent, Aquatic Pesticide Application Plan, and application fee, should be submitted to the State Water Resources Control Board (SWRQCB). The approval process takes at least 90 days to complete.

- Establish three new RDM sampling plots in oak woodland areas to replace plots that could not be sampled in fall 2015-2016.
- Conduct focused rare plant surveys for Sacramento Orcutt grass and special-status animal surveys including VELB during the 2016-2017 annual monitoring year.
- Coordinate spring floristic surveys and focused rare plant surveys with grazing schedule to ensure that plants can be identified during surveys.
- Develop a master restoration plan with standard procedures and typical plans for addressing invasive species removal, bank stabilization, or other similar restoration goals to facilitate implementation of restoration activities in the future.
- Conduct annual invasive species, RDM, vernal pool invertebrate, and riparian monitoring in accordance with the GOSMP.

A summary of how the monitoring goals established in the GOSMP were addressed during the 2015-2016 annual monitoring year and the next steps required for each goal is shown in **Table 10**.

TABLE 10 — SUMMARY OF STATE OF MONITORING GOALS

Goal Number	Goal Description	How Addressed	Next Step
6-1	Maintain an accurate map of waters of the U.S. within Preserve	Completed in 2016 (See **Figure 3**)	Update in 10 years (2026)
6-2	Identify and map quality of native communities. Prioritize areas to receive resources with priority given to high quality habitat.	Completed in 2016 (See **Figure 4**)	Update in 10 years (2026)
6-3	Create and maintain detailed maps of Preserve areas.	Complete	Update in 5 years (2021)
6-4	Create and maintain an inventory of potential habitat and occupied habitat for special-status species that are likely to occur within the Preserve.	Partially complete; potential habitat identified.	Conduct special-status plant and wildlife surveys in 2016-2017.
6-5	Maintain existing populations of endangered species.	Partially complete; surveys for vernal pool invertebrates completed.	Conduct surveys for vernal pool invertebrates and VELB in 2016-2017.
6-6	Conduct survey for other native animal species.	Complete	Maintain observed wildlife list in 2016-2017.
6-7	Maintain a database of beaver dams within the Preserve.	Ongoing	Record beaver dams observed in 2016-2017
6-8	Track changes in vegetation community species composition.	Completed in 2016 (See **Figure 4**)	Update in 10 years (2026)
6-9	Conduct surveys for special-status plants that are likely to occur in the Preserve.	Incomplete	Conduct special-status plant surveys in 2016-2017.
6-10	Maintain an oak tree canopy within the Preserve	Completed in 2016 (See **Figure 5**)	Update in 10 years (2026)
6-11	Monitor wetland and riparian areas twice throughout the year.	Complete	Monitor in 2016-2017
6-12	Monitor oak woodland two times throughout the year.	Complete	Monitor in 2016-2017
6-13	Monitor vernal pool grassland two times throughout the year.	Complete	Monitor in 2016-2017

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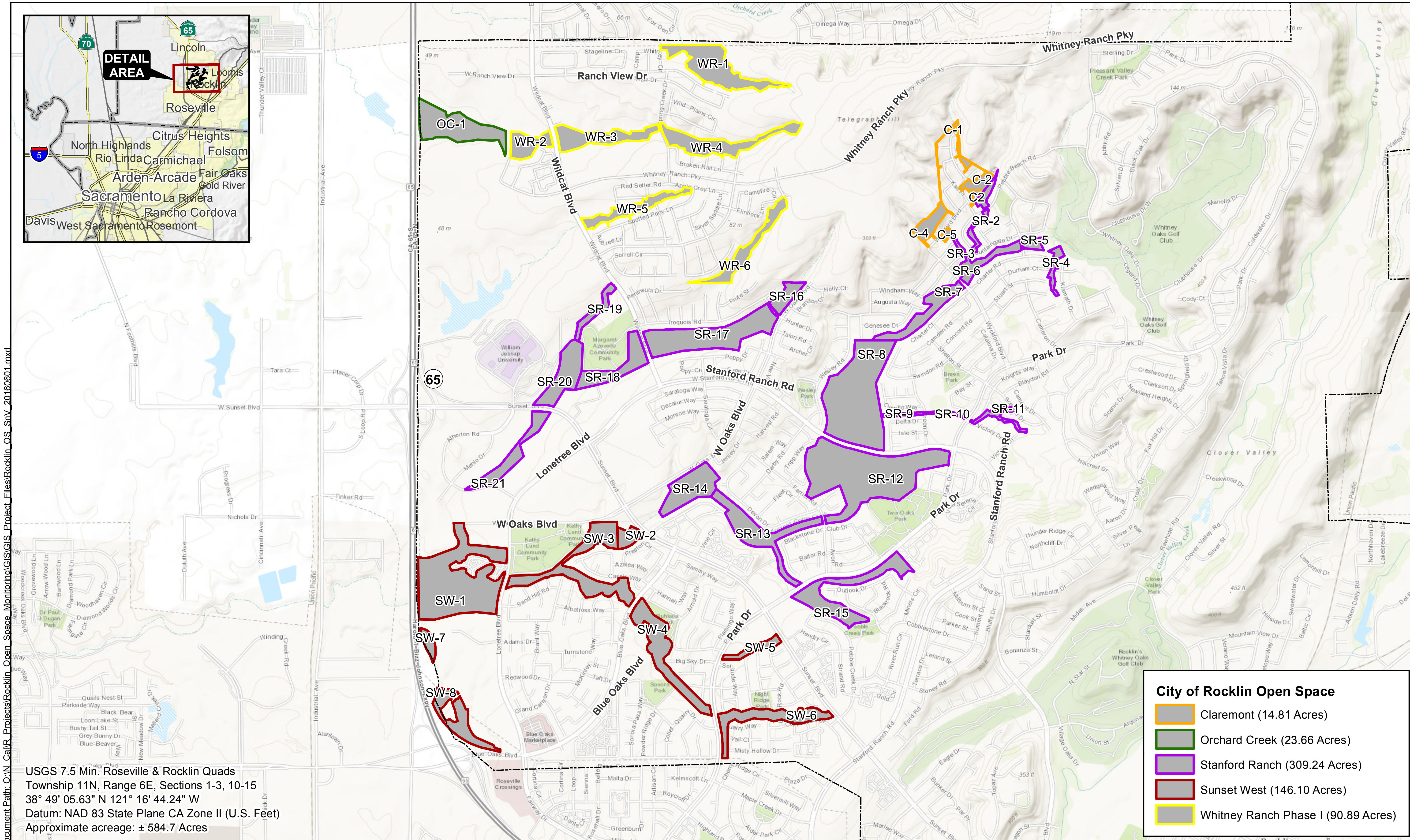
DETAIL AREA
Lincoln
Loomis
Rocklin
Roseville
Citrus Heights
North Highlands
Folsom
Rio Linda
Carmichael
Arden-Arcade
Fair Oaks
Gold River
Sacramento
La Riviera
Rancho Cordova
Davis
West Sacramento
Rosemont
WR-1
WR-2
WR-3
WR-4
WR-5
WR-6
OC-1
C-1
C-2
C2
C-4
C-5
SR-2
SR-3
SR-4
SR-5
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SR-14
SR-15
SR-16
SR-17
SR-18
SR-19
SR-20
SR-21
SW-1
SW-2
SW-3
SW-4
SW-5
SW-6
SW-7
SW-8
Whitney Ranch Pky
Ranch View Dr
Wildcat Blvd
Stanford Ranch Rd
W Oaks Blvd
Lonetree Blvd
Park Dr
Blue Oaks Blvd
65
City of Rocklin Open Space
Claremont (14.81 Acres)
Orchard Creek (23.66 Acres)
Stanford Ranch (309.24 Acres)
Sunset West (146.10 Acres)
Whitney Ranch Phase I (90.89 Acres)
USGS 7.5 Min. Roseville & Rocklin Quads
Township 11N, Range 6E, Sections 1-3, 10-15
38° 49' 05.63" N 121° 16' 44.24" W
Datum: NAD 83 State Plane CA Zone II (U.S. Feet)
Approximate acreage: ± 584.7 Acres
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SITE AND VICINITY

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SCALE IN FEET
1 inch = 2,000 feet

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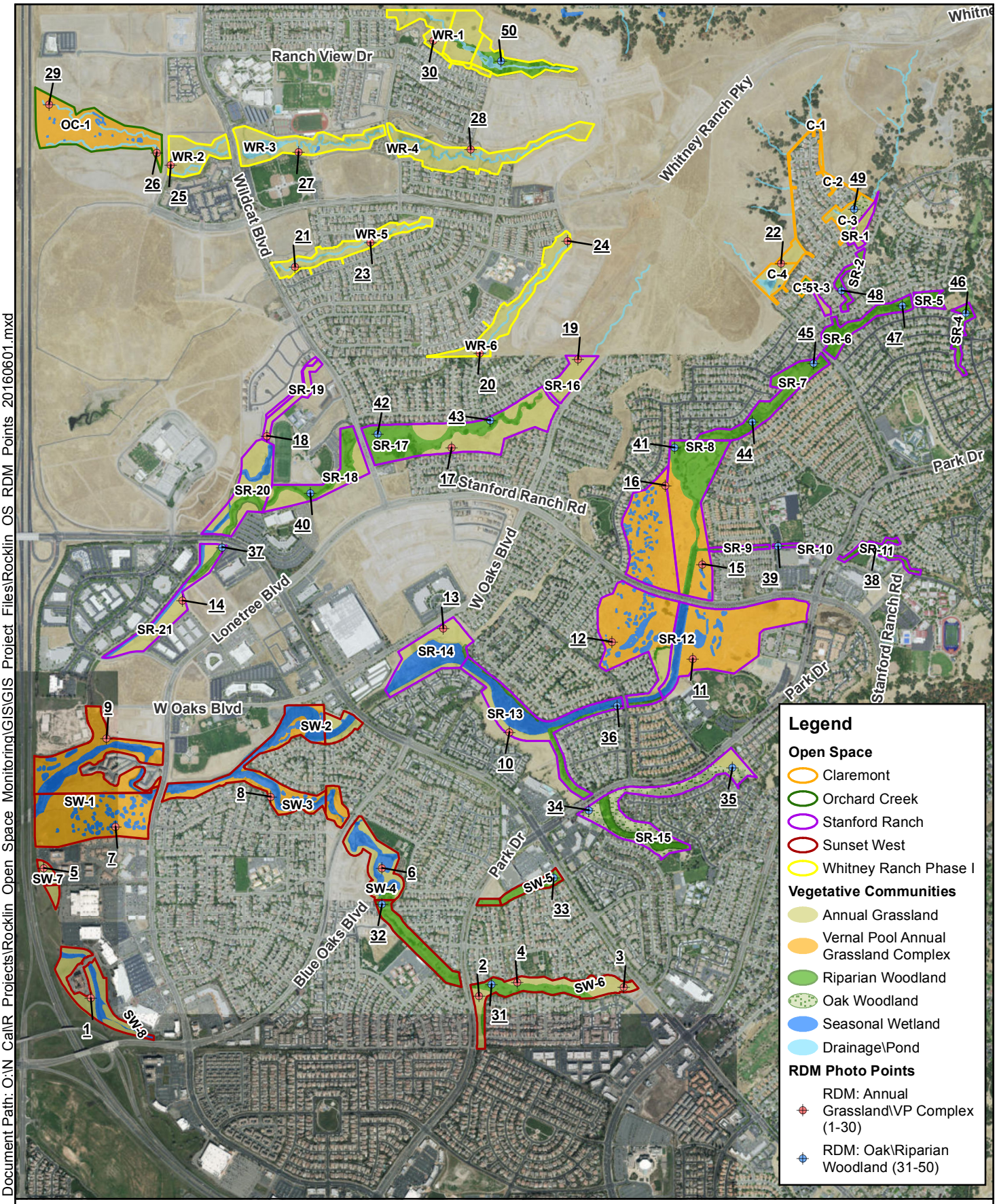
FIGURE 1



LOCATION OF RDM MONITORING POINTS

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Other Features

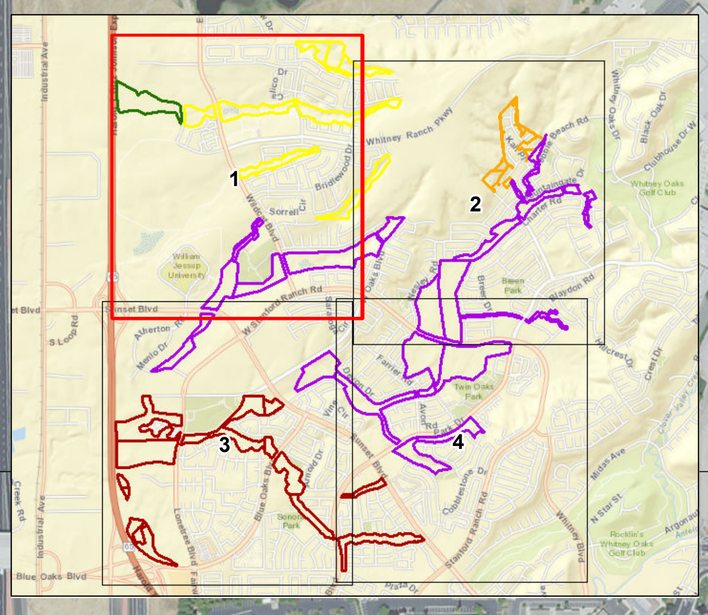
Photo Point

Open Space

- Claremont
- Orchard Creek
- Stanford Ranch
- Sunset West
- Whitney Ranch Phase I

Aquatic Resources

- Depressional Seasonal Wetland (17.160 Acres)
- Depressional Seasonal Marsh (0.142 Acres)
- Seep (0.036 Acres)
- Vernal Pool (11.350 Acres)
- Riverine Seasonal Wetland (53.705 Acres)
- Ephemeral Drainage (0.925 Acres)
- Intermittent Drainage (26.971 Acres)
- Perennial Drainage (14.664 Acres)
- Ditch (0.412 Acres)
- Pond (11.885 Acres)



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Feet

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Rocklin Open Space
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Figure 3
Aquatic Resources Delineation Map

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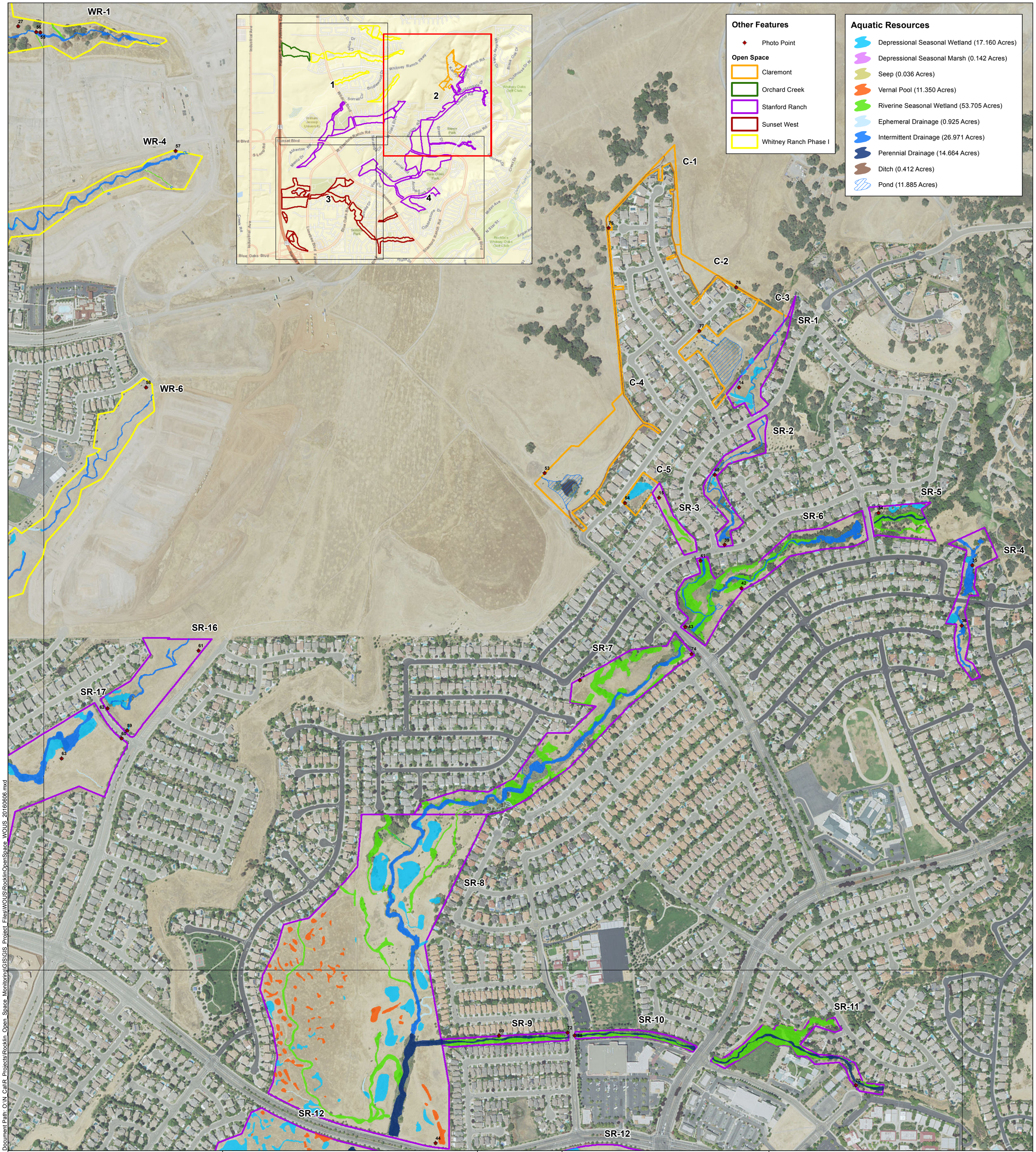

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Figure 3
Aquatic Resources Delineation Map

ROCKLIN OPEN SPACE

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Other Features

Photo Point

Open Space

- Claremont
- Orchard Creek
- Stanford Ranch
- Sunset West
- Whitney Ranch Phase I

Aquatic Resources

- Depressional Seasonal Wetland (17.160 Acres)
- Depressional Seasonal Marsh (0.142 Acres)
- Seep (0.036 Acres)
- Vernal Pool (11.350 Acres)
- Riverine Seasonal Wetland (53.705 Acres)
- Ephemeral Drainage (0.925 Acres)
- Intermittent Drainage (26.971 Acres)
- Perennial Drainage (14.664 Acres)
- Ditch (0.412 Acres)
- Pond (11.885 Acres)

SR-20
SR-21
SR-14
SR-13
SW-1
SW-2
SW-3
SW-4
SW-5
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SW-7
SW-8

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Feet
1 inch = 300 feet

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Rocklin Open Space
Sheet: 3

Figure 3
Aquatic Resources Delineation Map

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SR-8
SR-9
SR-10
SR-11
SR-12
SR-13
SR-14
SR-14
SR-15
SW-5
SW-6
44
69
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80
37
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79
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22
51
21
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52

Other Features

Photo Point

Open Space

- Claremont
- Orchard Creek
- Stanford Ranch
- Sunset West
- Whitney Ranch Phase I

Aquatic Resources

- Depressional Seasonal Wetland (17.160 Acres)
- Depressional Seasonal Marsh (0.142 Acres)
- Seep (0.036 Acres)
- Vernal Pool (11.350 Acres)
- Riverine Seasonal Wetland (53.705 Acres)
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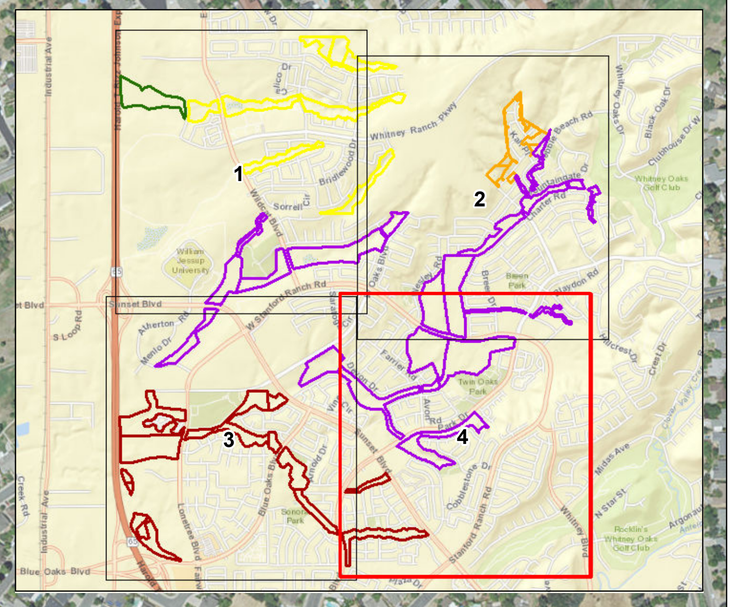

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Feet
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Figure 3
Aquatic Resources Delineation Map

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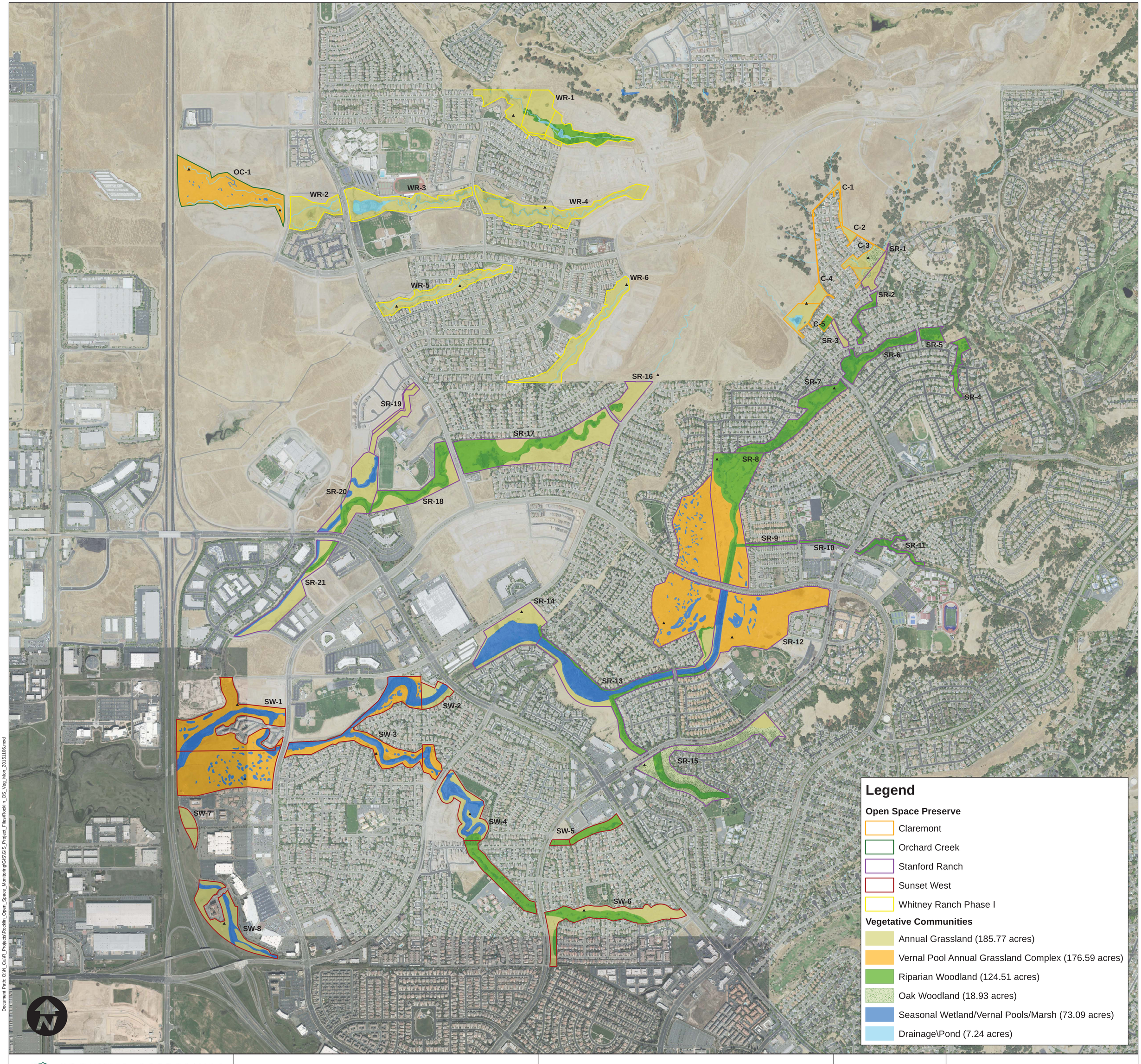

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ROCKLIN OPEN SPACE VEGETATIVE COMMUNITIES MAP

0 600 1,200 2,400
Feet
1 inch = 600 feet

Drawn By: JFI
Date: 2016/06/06

Figure 4

Oak Woodland and Oak Tree Map

Oaks (DBH < 6")

- Blue Oak
- Interior Live Oak
- Valley Oak
- Oak
- Cork Oak
- Hybrid Oak
- Valley Oak & Interior Live Oak

Oaks (DBH > 6")

- Blue Oak
- Interior Live Oak
- Valley Oak
- Black Oak
- Oracle Oak

Other

- Elderberry

Whitney Ranch

Stanford Ranch

Sunset West

Stanford Ranch

Sunset West

Whitney Ranch

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Date: 06/06/2016

Rocklin Open Space

FIGURE 5

ROCKLIN OPEN SPACE

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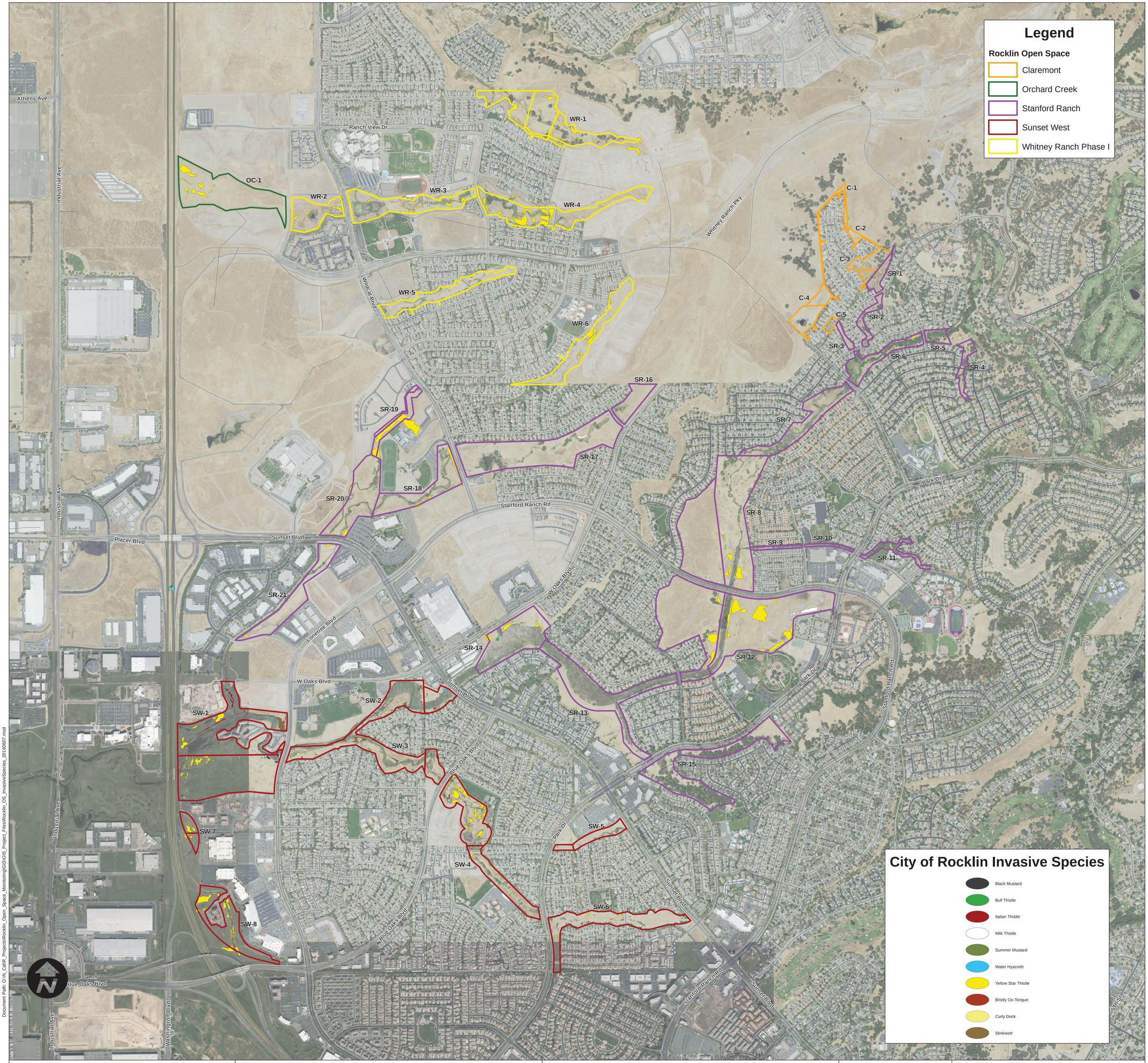

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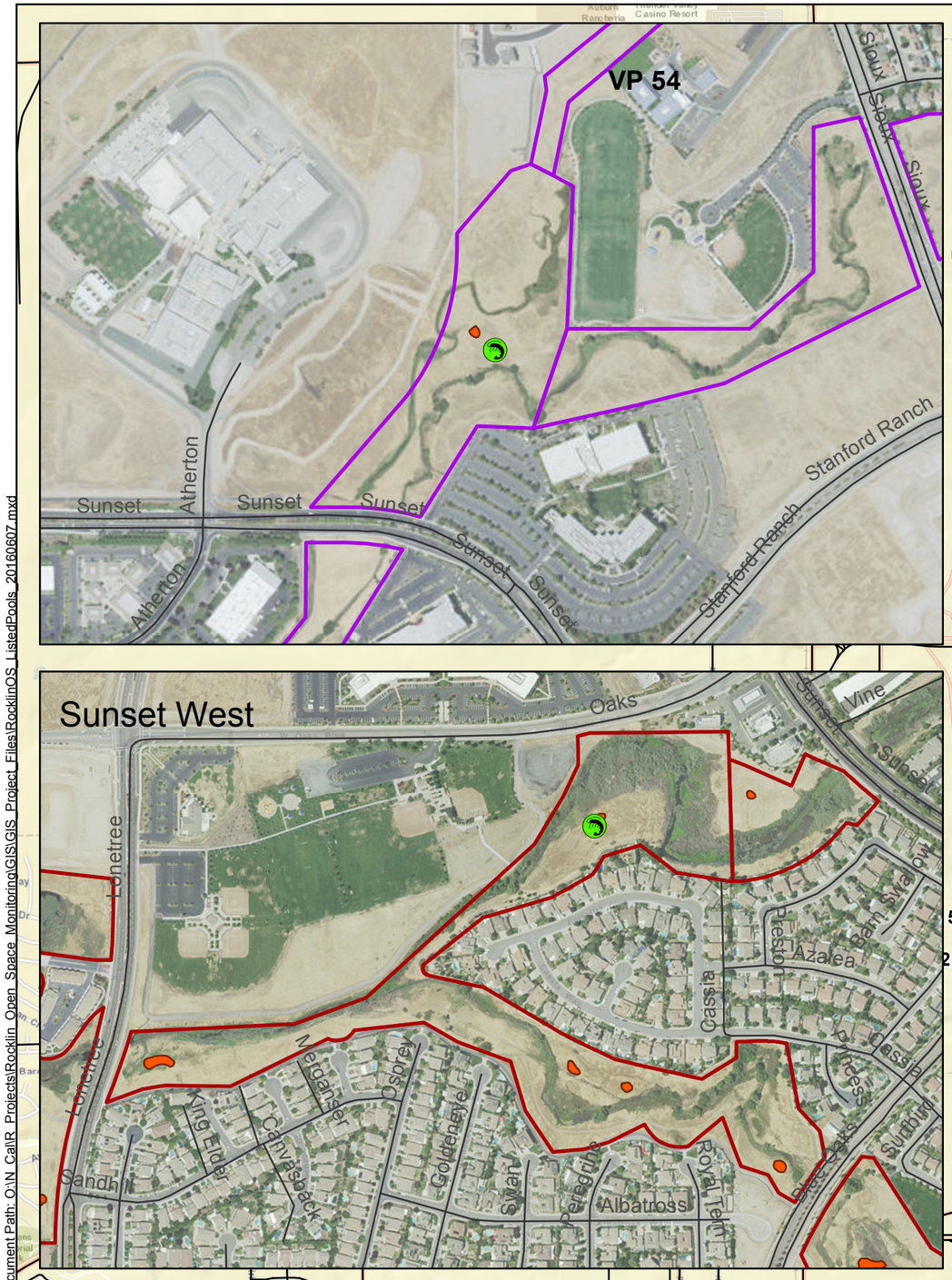
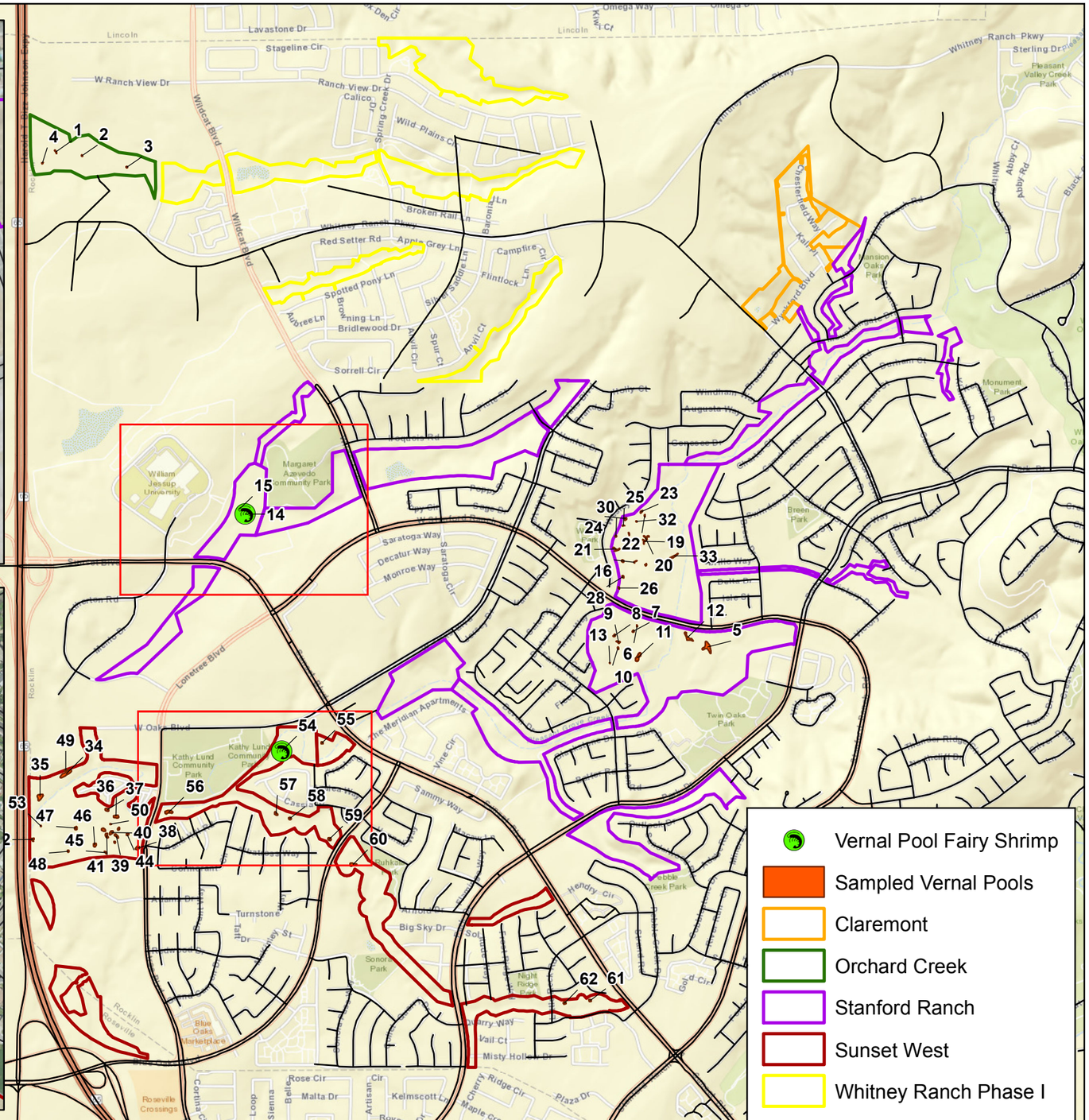
ROCKLIN OPEN SPACE INVASIVE SPECIES

0 1,200 2,400
Feet
1 inch = 600 feet

Drawn By: JFI
Date: 06/07/2016

Figure 6





Vernal Pool Fairy Shrimp
Sampled Vernal Pools
Claremont
Orchard Creek
Stanford Ranch
Sunset West
Whitney Ranch Phase I

FOOTHILL ASSOCIATES
ENVIRONMENTAL CONSULTING • PLANNING • LANDSCAPE ARCHITECTURE

Sampled Vernal Pools and Listed Branchiopod Occurrences

N

0 1,850 3,700 7,400
SCALE IN FEET
1 inch = 1,855 feet

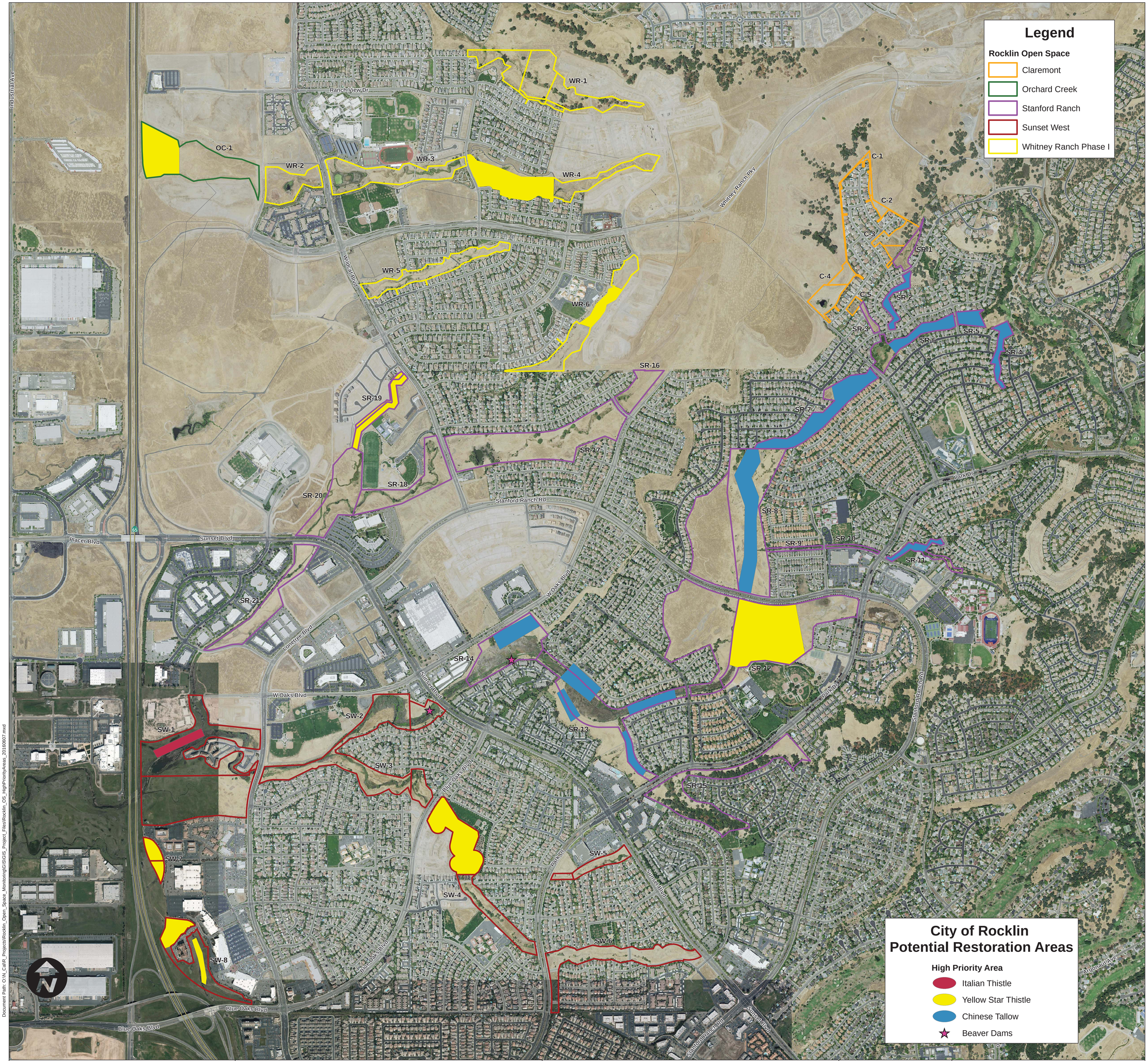
Drawn By: JFI
Date: 06/06/2016

FIGURE 7

ROCKLIN OPEN SPACE MONITORING

Document Name: RocklinOS_ListedPools_20160607 : 6/7/2016 9:25:21 AM

Document Path: O:\N Cal\R Projects\Rocklin Open Space Monitoring\GIS\GIS Project Files\RocklinOS_ListedPools_20160607.mxd



Document Path: O:\N_Calif\R_Projects\Rocklin_Open_Space_Monitoring\GIS\GIS_Project_Files\Rocklin_OS_HighPriorityAreas_20160607.mxd

FOOTHILL ASSOCIATES
ENVIRONMENTAL CONSULTING • PLANNING • LANDSCAPE ARCHITECTURE

ROCKLIN OPEN SPACE
Potential Restoration Areas

0 1,200 2,400
Feet
1 inch = 549 feet

Drawn By: JFI
Date: 06/06/2016

Figure 8

Date: 6/9/2016 Document Name: Rocklin_OS_HighPriorityAreas_20160607

Legend

Rocklin Open Space

- Claremont
- Orchard Creek
- Stanford Ranch
- Sunset West
- Whitney Ranch Phase I

City of Rocklin
Trash and Trespassing Observations

- Homeless Encampment
- Wood Pile
- Trash

FOOTHILL ASSOCIATES
ENVIRONMENTAL CONSULTING • PLANNING • LANDSCAPE ARCHITECTURE

ROCKLIN OPEN SPACE
Trash and Trespassing Observations

0 550 1,100 2,200
Feet
1 inch = 550 feet

Drawn By: JFI
Date: 06/24/2016

Figure 9

Date: 6/24/2016 Document Name: Rocklin_OS_TRASH_20160607

Document Path: O:\N_Calif_Projects\Rocklin_Open_Space_Monitoring\GIS\GIS_Project_Files\Field_Maps\Rocklin_OS_TRASH_20160607.mxd

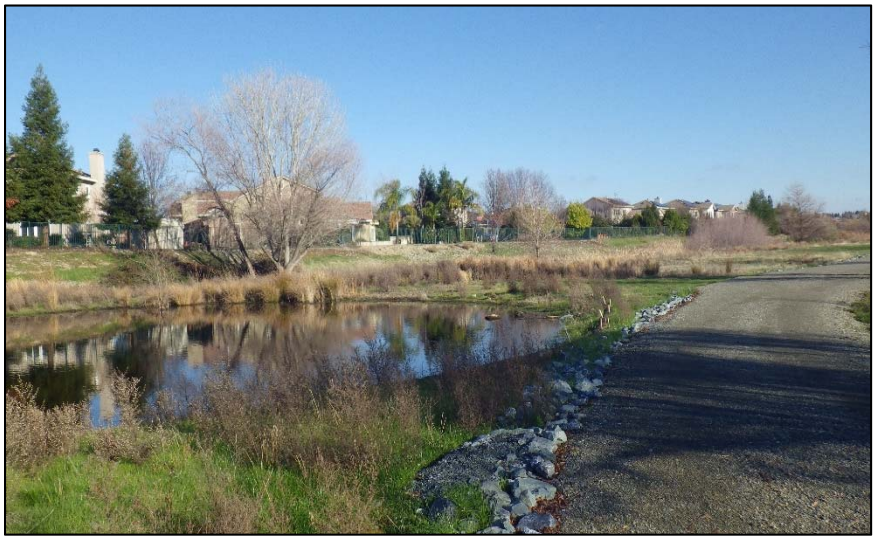
Appendix A — Representative Site Photographs

Description: Pool 7, looking north
Date: February 5, 2016
Photographer: Marisa Brilts

Description: Pool 9, looking northeast
Date: March 16, 2016
Photographer: Meredith Branstad

REPRESENTATIVE SITE PHOTOGRAPHS

Description: Seasonal drainage in the Orchard Creek Preserve
Date: March 16, 2016
Photographer: Meredith Branstad



Description: Pond and bike path in the Sunset West Preserve
Date: February 4, 2016
Photographer: Marisa Brilts

Description: Newly constructed drainage in the Orchard Creek Preserve
Date: January 6, 2016
Photographer: Meredith Branstad

Description: Creek running through Stanford Ranch Preserve
Date: December 8, 2015
Photographer: Marisa Brilts

REPRESENTATIVE SITE PHOTOGRAPHS

Description: Annual grassland with mixed oaks in the Whitney Ranch Preserve, looking north
Date: September 29, 2015
Photographer: Meredith Branstad

Description: Ephemeral drainage in the Whitney Ranch Preserve
Date: December 31, 2015
Photographer: Meredith Branstad

REPRESENTATIVE SITE PHOTOGRAPHS

Description: Claremont, RDM 49
Date: April 28, 2016
Photographer: John Inman

Description: Stanford Ranch, RDM 46
Date: May 3, 2016
Photographer: John Inman

REPRESENTATIVE SITE PHOTOGRAPHS

Description: Orchard Creek, RDM 26
Date: April 14, 2016
Photographer: Marisa Brilts

Description: Stanford Ranch, RDM 43
Date: April 27, 2016
Photographer: John Inman

REPRESENTATIVE SITE PHOTOGRAPHS

Description: Sunset West, RDM 9
Date: April 13, 2016
Photographer: Marisa Brilts

Description: Whitney Ranch, RDM 30
Date: April 29, 2016
Photographer: Zach Neider

REPRESENTATIVE SITE PHOTOGRAPHS

Description: Sunset West, RDM 2
Date: April 13, 2016
Photographer: Marisa Brilts

Description: Whitney Ranch, RDM 24
Date: April 29, 2016
Photographer: Zach Neider

REPRESENTATIVE SITE PHOTOGRAPHS

Appendix B — Tree Survey Data

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
1	Interior Live Oak	1	28	15	Poor-Fair	Poor-Fair	SR-15
2	Interior Live Oak	1	29	35	Poor	Poor	SR-15
3	Interior Live Oak	2	3,7	7	Fair-Good	Fair	SR-15
4	Interior Live Oak	3	41,14,12	30	Fair	Fair	SR-15
5	Interior Live Oak	2	3,7	0	Fair-Good	Fair-Good	SR-15
6	Interior Live Oak	2	1,8	8	Fair-Good	Fair	SR-15
7	Interior Live Oak	1	7	6	Fair-Good	Fair-Good	SR-15
8	Interior Live Oak	2	3,7	8	Fair-Good	Fair-Good	SR-15
9	Interior Live Oak	5	4,4,4,1,1	8	Fair-Good	Fair	SR-15
10	Interior Live Oak	2	5,9	8	Fair-Good	Fair	SR-15
11	Interior Live Oak	3	10,5,5	15	Fair-Good	Fair	SR-15
12	Interior Live Oak	2	8,1	12	Fair	Poor-Fair	SR-15
13	Interior Live Oak	2	9,11	15	Fair-Good	Fair	SR-15
14	Interior Live Oak	1	10	12	Fair-Good	Fair-Good	SR-15
15	Interior Live Oak	2	13,32	35	Poor-Fair	Poor	SR-15
16	Interior Live Oak	6	11,11,8,7,16,14	40	Fair	Poor-Fair	SR-15
17	Interior Live Oak	1	25	30	Fair	Fair	SR-15
18	Interior Live Oak	1	15	35	Poor	Poor	SR-15
19	Interior Live Oak	1	13	40	Poor-Fair	Poor-Fair	SR-15
20	Interior Live Oak	1	16	40	Fair	Fair	SR-15
21	Interior Live Oak	1	24	40	Poor-Fair	Fair	SR-15
22	Interior Live Oak	1	23	30	Fair	Fair	SR-15
23	Interior Live Oak	3	16,29,9	30	Fair	Poor-Fair	SR-15
24	Interior Live Oak	1	26	40	Fair	Fair	SR-15
25	Blue Oak	1	28	30	Fair	Fair	SR-15
26	Interior Live Oak	1	7	10	Fair-Good	Fair-Good	SR-15
27	Interior Live Oak	1	32	25	Fair	Poor-Fair	SR-15
28	Interior Live Oak	1	16	25	Fair	Fair	SR-15
29	Valley Oak	1	48	35	Fair-Good	Fair	SR-15
30	Interior Live Oak	5	13,10,9,17,11,10	30	Fair	Fair	SR-15
31	Valley Oak	1	9	3	Fair	Fair	SR-15
32	Interior Live Oak	1	8,3,3,2,1,2,3,1	5	Fair-Good	Fair-Good	SR-15
33	Interior Live Oak	2	3,4	0	Fair-Good	Fair-Good	SR-15
34	Interior Live Oak	6	1,1,3,2,1,1	4	Fair-Good	Fair-Good	SR-15
35	Blue Oak	1	34	25	Fair-Good	Fair-Good	SR-15
36	Valley Oak	1	16	15	Fair	Fair-Good	SR-15
37	Interior Live Oak	2	6,10	17	Fair	Fair	SR-15
38	Interior Live Oak	2	21,13	25	Fair	Fair	SR-15
39	Interior Live Oak	1	18,14,11,14	25	Fair	Fair	SR-15
40	Interior Live Oak	3	4,4,3	10	Fair-Good	Fair	SR-15
41	Interior Live Oak	2	10,15	25	Poor-Fair	Poor	SR-15
42	Interior Live Oak	1	9	17	Fair	Poor-Fair	SR-15
43	Interior Live Oak	1	26	35	Poor	Poor	SR-15
44	Interior Live Oak	1	14	17	Fair	Fair	SR-15
45	Interior Live Oak	1	14	17	Fair	Poor-Fair	SR-15
46	Interior Live Oak	2	16,22	20	Fair-Good	Fair	SR-15
47	Interior Live Oak	4	14,20,12,19	25	Fair	Fair	SR-15

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
48	Blue Oak	1	27	25	Fair-Good	Fair-Good	SR-15
49	Interior Live Oak	3	10,3,1	10	Fair-Good	Fair	SR-15
50	Interior Live Oak	2	11,22	25	Fair	Fair	SR-15
51	Interior Live Oak	1	21	25	Fair-Good	Fair	SR-15
52	Interior Live Oak	1	10	3	Poor	Poor	SR-15
53	Interior Live Oak	1	35	30	Fair	Poor-Fair	SR-15
54	Interior Live Oak	1	30	25	Fair	Fair	SR-15
55	Interior Live Oak	1	32	25	Fair	Fair	SR-15
56	Valley Oak	2	6,4	4	Fair-Good	Fair-Good	SR-15
57	Interior Live Oak	3	5,3,4	10	Fair-Good	Fair-Good	SR-15
58	Interior Live Oak	1	7	10	Fair-Good	Fair	SR-15
59	Interior Live Oak	1	6	8	Fair-Good	Fair-Good	SR-15
60	Interior Live Oak	1	3,3,2,2	5	Fair-Good	Fair-Good	SR-15
61	Interior Live Oak	1	47	30	Fair	Poor-Fair	SR-15
62	Interior Live Oak	3	8,1,5	10	Fair	Fair	SR-15
63	Valley Oak	1	11	12	Fair	Fair	SR-15
64	Valley Oak	1	7	12	Fair	Fair	SR-15
65	Valley Oak	1	7	17	Fair	Fair	SR-15
66	Valley Oak	1	10	12	Fair	Fair	SR-15
67	Valley Oak	3	7,6,2	15	Fair	Fair	SR-15
68	Valley Oak	2	11,1	12	Fair	Fair-Good	SR-15
69	Valley Oak	1	7	10	Fair	Fair	SR-15
70	Valley Oak	1	6	8	Fair	Fair	SR-15
71	Valley Oak	1	8	10	Fair	Fair	SR-15
72	Valley Oak	1	7	8	Fair	Fair	SR-15
73	Interior Live Oak	1	6	15	Fair	Fair-Good	SR-15
74	Interior Live Oak	1	27	30	Fair	Fair	SR-15
75	Interior Live Oak	4	26,23,15,13	40	Fair-Good	Fair	SR-15
76	Interior Live Oak	1	15	30	Fair-Good	Fair	SR-15
77	Interior Live Oak	1	9	15	Fair-Good	Poor-Fair	SR-15
78	Interior Live Oak	1	11	18	Fair-Good	Fair-Good	SR-15
79	Interior Live Oak	1	12	18	Fair	Fair	SR-15
80	Valley Oak	1	6	12	Good	Fair-Good	SR-15
81	Interior Live Oak	1	11	15	Fair	Fair-Good	SR-15
82	Valley Oak	1	19	40	Fair-Good	Fair-Good	SR-15
83	Interior Live Oak	2	13,7	30	Fair-Good	Fair	SR-15
84	Interior Live Oak	2	28,18	25	Fair-Good	Fair-Good	SR-15
85	Interior Live Oak	1	20	6	Poor	Poor	SR-15
86	Interior Live Oak	1	28	20	Fair	Poor-Fair	SR-15
87	Interior Live Oak	1	46	35	Fair	Poor-Fair	SR-15
88	Interior Live Oak	1	40	45	Poor-Fair	Fair	SR-15
89	Black Oak	2	20,14	18	Poor-Fair	Poor-Fair	SR-15
90	Black Oak	1	47	35	Fair	Fair	SR-15
91	Valley Oak	1	11	25	Fair-Good	Fair-Good	SR-15
92	Valley Oak	1	6	10	Good	Good	SR-15
93	Valley Oak	1	9	15	Fair-Good	Fair-Good	SR-15
94	Valley Oak	1	11	20	Fair-Good	Fair-Good	SR-15
95	Valley Oak	1	6	12	Fair-Good	Fair-Good	SR-15
96	Valley Oak	1	7	15	Fair-Good	Fair	SR-15
97	Interior Live Oak	1	40	35	Fair	Fair	SR-15

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
98	Blue Oak	1	8	16	Fair-Good	Fair-Good	SR-15
99	Valley Oak	1	10,7	18	Fair-Good	Fair-Good	SR-15
100	Interior Live Oak	1	36	0	Fair-Good	Fair	SR-15
101	Interior Live Oak	1	23	20	Poor-Fair	Poor-Fair	SR-15
102	Blue Oak	1	19	25	Good	Fair-Good	SR-15
103	Blue Oak	1	11	20	Fair	Fair	SR-15
104	Blue Oak	1	22	25	Fair-Good	Fair-Good	SR-15
105	Blue Oak	1	23	30	Fair-Good	Fair-Good	SR-15
106	Valley Oak	4	8,6,4,3	15	Fair-Good	Fair-Good	SR-15
107	Valley Oak	1	6	10	Fair-Good	Fair-Good	SR-15
108	Valley Oak	2	7,3	12	Fair-Good	Fair-Good	SR-15
109	Valley Oak	1	6	12	Fair-Good	Fair-Good	SR-15
110	Valley Oak	1	8	15	Fair-Good	Fair-Good	SR-15
111	Valley Oak	1	6	15	Fair-Good	Good	SR-15
112	Valley Oak	1	6	10	Fair-Good	Good	SR-15
113	Interior Live Oak	1	6	12	Good	Good	SR-15
114	Interior Live Oak	1	42	45	Fair-Good	Fair-Good	SR-15
115	Interior Live Oak	2	10,5	20	Fair-Good	Fair-Good	SR-15
116	Interior Live Oak	1	6	20	Fair-Good	Fair	SR-15
117	Interior Live Oak	1	6	12	Good	Fair-Good	SR-15
118	Interior Live Oak	2	7,5	16	Fair-Good	Fair	SR-15
119	Valley Oak	1	9	12	Good	Good	SR-15
120	Interior Live Oak	2	9,6	15	Fair-Good	Fair-Good	SR-15
121	Valley Oak	3	6,4,3	10	Fair-Good	Fair-Good	SR-15
122	Interior Live Oak	2	6, 5	0	Fair-Good	Poor-Fair	SR-15
123	Interior Live Oak	2	6,6	10	Good	Fair-Good	SR-15
124	Interior Live Oak	1	8	8	Fair-Good	Poor	SR-15
125	Interior Live Oak	2	6,5	15	Fair-Good	Fair-Good	SR-15
126	Interior Live Oak	1	7	12	Good	Good	SR-15
127	Interior Live Oak	2	6,6	15	Fair-Good	Fair	SR-15
128	Interior Live Oak	2	8,5	15	Fair-Good	Fair-Good	SR-15
129	Interior Live Oak	1	6	15	Fair-Good	Fair	SR-15
130	Blue Oak	1	26	30	Fair-Good	Fair-Good	SR-15
131	Blue Oak	1	10	18	Fair	Good	SR-15
132	Blue Oak	1	29	40	Fair	Fair	SR-15
133	Interior Live Oak	1	28	30	Fair-Good	Fair-Good	SR-15
134	Interior Live Oak	1	16	25	Fair-Good	Fair-Good	SR-15
135	Interior Live Oak	1	20	22	Fair-Good	Fair-Good	SR-15
136	Interior Live Oak	2	13,10	25	Fair	Poor-Fair	SR-15
137	Interior Live Oak	1	8	15	Fair	Poor-Fair	SR-15
138	Interior Live Oak	1	27	32	Fair-Good	Poor-Fair	SR-15
139	Interior Live Oak	2	26,17	35	Fair	Fair	SR-15
140	Interior Live Oak	1	14	16	Fair-Good	Poor-Fair	SR-15
141	Interior Live Oak	1	12	15	Fair-Good	Fair	SR-15
142	Interior Live Oak	1	29	25	Fair	Poor-Fair	SR-15
143	Interior Live Oak	1	27	40	Fair-Good	Fair	SR-15
144	Blue Oak	1	29	35	Fair-Good	Fair-Good	SR-15
145	Interior Live Oak	1	27	33	Fair-Good	Fair-Good	SR-15
146	Valley Oak	1	36	40	Good	Fair-Good	SR-15
147	Valley Oak	1	33	40	Good	Fair-Good	SR-15

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
148	Interior Live Oak	1	15	18	Fair-Good	Fair	SR-15
149	Blue Oak	1	35	40	Good	Fair-Good	SR-15
150	Interior Live Oak	1	9	15	Good	Fair-Good	SR-15
151	Interior Live Oak	2	27,19	23	Fair-Good	Fair	SR-15
152	Blue Oak	1	24	20	Fair-Good	Poor	SR-15
153	Blue Oak	1	29	45	Fair-Good	Poor-Fair	SR-15
154	Blue Oak	1	25	33	Fair-Good	Fair-Good	SR-15
155	Blue Oak	1	20	20	Fair	Fair	SR-15
156	Blue Oak	1	31	0	Fair-Good	Fair	SR-15
157	Interior Live Oak	1	35	30	Fair-Good	Fair	SR-15
158	Interior Live Oak	1	8	12	Good	Good	SR-15
159	Blue Oak	1	8	8	Fair-Good	Fair	SR-15
160	Interior Live Oak	2	6,2	8	Good	Fair-Good	SR-15
161	Valley Oak	1	8	8	Good	Good	SR-15
162	Blue Oak	1	6	8	Good	Fair-Good	SR-15
163	Blue Oak	1	12	15	Good	Good	SR-15
164	Valley Oak	1	6	8	Good	Good	SR-15
165	Valley Oak	1	12	12	Good	Fair-Good	SR-15
166	Valley Oak	2	7,3	0	Fair	Fair	SR-15
167	Valley Oak	1	14	15	Good	Fair-Good	SR-15
168	Valley Oak	1	11	12	Fair-Good	Fair-Good	SR-15
169	Valley Oak	1	71	45	Fair-Good	Fair-Good	SR-15
170	Interior Live Oak	2	5,4	12	Good	Fair-Good	SR-15
171	Interior Live Oak	1	14	25	Fair	Fair	SR-15
172	Blue Oak	1	29	35	Fair-Good	Fair	SR-15
173	Interior Live Oak	1	40	50	Fair-Good	Poor-Fair	SR-15
174	Blue Oak	1	26	30	Fair-Good	Fair-Good	SR-15
175	Valley Oak	1	8	12	Good	Good	SR-15
176	Interior Live Oak	3	5,4,3	0	Good	Fair	SR-15
177	Interior Live Oak	1	23	30	Fair-Good	Poor-Fair	SR-15
178	Interior Live Oak	9	14,12,11,10,9, 8,7,6,5	35	Good	Fair-Good	SR-15
179	Interior Live Oak	2	16,16	25	Fair-Good	Fair	SR-15
180	Interior Live Oak	2	23,19	25	Poor-Fair	Poor-Fair	SR-15
181	Interior Live Oak	2	14,11	0	Poor-Fair	Poor-Fair	SR-15
182	Interior Live Oak	1	19	25	Fair-Good	Fair-Good	SR-15
183	Interior Live Oak	3	24,18,13	25	Fair	Fair	SR-15
184	Blue Oak	1	34	30	Fair-Good	Fair-Good	SR-15
185	Blue Oak	1	16	16	Good	Good	SR-15
186	Blue Oak	1	24	25	Good	Fair-Good	SR-15
187	Interior Live Oak	1	19	0	Fair-Good	Fair-Good	SR-15
188	Blue Oak	1	15	30	Good	Fair	SR-15
189	Blue Oak	1	17	22	Fair-Good	Fair-Good	SR-15
190	Interior Live Oak	1	21	20	Fair	Poor	SR-15
191	Blue Oak	1	15	20	Fair-Good	Good	SR-15
192	Blue Oak	1	15	18	Fair	Fair-Good	SR-15
193	Interior Live Oak	1	31	35	Fair-Good	Fair	SR-15
194	Blue Oak	1	13	22	Fair-Good	Fair-Good	SR-15
195	Blue Oak	1	20	35	Good	Fair	SR-15
196	Blue Oak	1	35	40	Fair-Good	Fair	SR-15

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
197	Blue Oak	1	12	25	Fair	Poor-Fair	SR-15
198	Interior Live Oak	4	14,9,9,7	25	Fair	Fair	SR-15
199	Blue Oak	1	18	20	Good	Fair	SR-15
200	Blue Oak	1	27	25	Good	Good	SR-15
201	Interior Live Oak	1	33	35	Fair-Good	Fair	SR-15
202	Interior Live Oak	1	6	15	Fair	Fair	SR-15
203	Interior Live Oak	1	6	20	Fair	Fair	SR-15
204	Interior Live Oak	1	36	40	Fair-Good	Fair	SR-15
205	Valley Oak	1	13	45	Fair-Good	Fair	SR-15
206	Interior Live Oak	1	7	16	Fair-Good	Fair	SR-15
207	Interior Live Oak	1	22	30	Fair	Fair	SR-15
208	Blue Oak	1	28	25	Good	Good	SR-15
209	Interior Live Oak	1	18	25	Fair-Good	Fair	SR-15
210	Blue Oak	1	22	30	Good	Fair-Good	SR-15
211	Valley Oak	1	20	25	Fair-Good	Fair-Good	SR-15
212	Blue Oak	1	14	25	Fair-Good	Fair-Good	SR-15
213	Blue Oak	1	19	22	Fair-Good	Good	SR-15
214	Blue Oak	1	20	23	Fair-Good	Fair-Good	SR-15
215	Blue Oak	1	19	25	Fair-Good	Fair-Good	SR-15
216	Interior Live Oak	1	7	24	Fair-Good	Fair	SR-15
217	Interior Live Oak	4	17,16,10,8	0	Fair-Good	Fair	SR-15
218	Blue Oak	1	21	20	Fair-Good	Fair-Good	SR-15
219	Interior Live Oak	1	32	28	Fair-Good	Fair-Good	SR-15
220	Blue Oak	1	23	21	Good	Good	SR-15
221	Valley Oak	1	37	28	Fair-Good	Fair	SR-15
222	Blue Oak	1	26	25	Fair-Good	Good	SR-15
223	Valley Oak	1	32	35	Fair-Good	Good	SR-15
224	Interior Live Oak	2	14,10	30	Fair-Good	Fair	SR-15
225	Interior Live Oak	1	6	15	Good	Fair-Good	SR-15
226	Interior Live Oak	2	22,15	35	Fair-Good	Fair	SR-15
227	Interior Live Oak	1	22	25	Fair	Fair	SR-15
228	Valley Oak	1	37	45	Fair	Fair	SR-15
229	Interior Live Oak	1	31	35	Fair-Good	Poor-Fair	SR-15
230	Interior Live Oak	2	19,17	45	Poor-Fair	Poor-Fair	SR-15
231	Interior Live Oak	1	24	22	Fair-Good	Poor-Fair	SR-15
234	Blue Oak	1	22	25	Fair-Good	Fair-Good	SR-15
236	Blue Oak	1	27	17	Fair	Poor-Fair	SR-15
237	Valley Oak	1	8	7	Fair-Good	Fair-Good	SR-15
238	Blue Oak	1	24	15	Poor-Fair	Poor-Fair	SR-15
239	Blue Oak	1	30	27	Fair	Fair	SR-15
240	Blue Oak	1	26	30	Fair-Good	Fair-Good	SR-15
241	Interior Live Oak	1	34	35	Poor-Fair	Poor-Fair	SR-15
242	Interior Live Oak	3	13,20,12	45	Poor-Fair	Poor-Fair	SR-15
243	Interior Live Oak	2	10,9	37	Poor	Poor	SR-15
244	Blue Oak	1	24	22	Fair-Good	Fair	SR-15
245	Blue Oak	2	7,10	17	Fair	Poor-Fair	SR-15
246	Blue Oak	1	30	25	Fair-Good	Fair-Good	SR-15
247	Blue Oak	1	26	25	Fair	Fair	SR-15
248	Valley Oak	1	6	12	Poor-Fair	Poor-Fair	SR-15
249	Interior Live Oak	3	14,15,9	40	Fair	Fair	SR-15

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
250	Interior Live Oak	2	15,11	45	Poor-Fair	Poor	SR-15
251	Interior Live Oak	3	25,15,11	27	Poor-Fair	Poor	SR-15
252	Interior Live Oak	1	20	35	Fair	Poor-Fair	SR-15
253	Interior Live Oak	1	8	8	Fair-Good	Fair-Good	SR-15
254	Interior Live Oak	2	7,3	12	Fair-Good	Fair	SR-15
255	Blue Oak	1	27	22	Fair-Good	Fair-Good	SR-15
256	Blue Oak	1	51	35	Fair-Good	Fair	SR-15
257	Interior Live Oak	2	6,4	8	Fair-Good	Fair-Good	SR-15
258	Blue Oak	1	27	30	Fair	Fair	SR-15
259	Blue Oak	1	24	20	Poor	Poor	SR-15
260	Blue Oak	2	36,13	27	Poor	Poor	SR-15
261	Blue Oak	1	29	30	Fair	Fair	SR-15
262	Interior Live Oak	3	6,6,4	10	Fair-Good	Fair	SR-15
263	Interior Live Oak	3	7,7,2	8	Fair-Good	Fair-Good	SR-15
264	Valley Oak	1	8	7	Fair-Good	Fair-Good	SR-15
265	Valley Oak	1	51	22	Fair-Good	Fair-Good	SR-15
266	Blue Oak	2	6,2	6	Fair-Good	Fair	SR-15
267	Blue Oak	1	7	8	Fair-Good	Fair	SR-15
268	Blue Oak	1	35	30	Fair-Good	Fair	SR-15
269	Blue Oak	1	45	25	Fair-Good	Fair	SR-15
270	Blue Oak	2	6,2	7	Fair-Good	Fair	SR-15
271	Interior Live Oak	4	16,19,17,18	25	Fair-Good	Fair	SR-15
272	Blue Oak	1	38	22	Fair	Fair	SR-15
273	Blue Oak	1	19	22	Fair-Good	Fair	SR-15
274	Interior Live Oak	3	17,19,20	30	Fair	Poor-Fair	SR-15
275	Interior Live Oak	1	18	25	Fair	Poor-Fair	SR-15
276	Interior Live Oak	3	18,19,20	35	Fair	Poor-Fair	SR-15
277	Interior Live Oak	1	8	8	Fair-Good	Fair	SR-15
278	Interior Live Oak	1	25	17	Poor-Fair	Poor	SR-15
279	Interior Live Oak	2	18,28	37	Poor-Fair	Poor	SR-15
280	Interior Live Oak	2	7,3	8	Fair-Good	Fair	SR-15
281	Interior Live Oak	1	16	15	Fair	Poor-Fair	SR-15
282	Interior Live Oak	1	29	37	Poor-Fair	Poor-Fair	SR-15
283	Valley Oak	1	26	27	Fair-Good	Fair-Good	SR-15
284	Valley Oak	1	49	30	Fair-Good	Fair	SR-15
285	Interior Live Oak	1	16	25	Fair-Good	Fair-Good	SR-15
286	Interior Live Oak	2	17,16	27	Fair-Good	Fair	SR-15
287	Interior Live Oak	3	31,8,14	30	Fair	Fair	SR-15
288	Interior Live Oak	3	16,3,18	37	Poor-Fair	Poor	SR-15
289	Interior Live Oak	2	10,14	15	Fair-Good	Fair	SR-15
290	Interior Live Oak	3	5,5,26	30	Fair	Fair	SR-15
291	Interior Live Oak	1	10	5	Poor-Fair	Poor-Fair	SR-15
292	Interior Live Oak	1	18	22	Fair	Fair	SR-15
293	Interior Live Oak	1	25	25	Fair	Fair-Good	SR-15
294	Interior Live Oak	1	11	15	Fair	Fair	SR-15
295	Valley Oak	1	26	30	Fair-Good	Fair	SR-15
296	Interior Live Oak	3	21,11,11	30	Fair	Fair	SR-15
297	Interior Live Oak	2	19,17	25	Fair	Poor-Fair	SR-15
298	Valley Oak	1	51	35	Fair-Good	Fair	SR-15
299	Interior Live Oak	1	21	33	Fair	Poor-Fair	SR-15

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
300	Interior Live Oak	1	4	8	Fair-Good	Fair	SR-15
301	Interior Live Oak	2	14,10	25	Fair-Good	Fair	SR-15
302	Interior Live Oak	1	8	18	Fair	Fair	SR-15
303	Valley Oak	1	17	30	Fair-Good	Fair-Good	SR-15
304	Interior Live Oak	1	31	20	Fair	Fair	SR-15
305	Valley Oak	1	19	30	Fair	Fair-Good	SR-15
306	Interior Live Oak	1	20	25	Fair	Fair	SR-15
307	Oracle Oak	1	20	22	Fair-Good	Fair	SR-15
309	Interior Live Oak	1	18	10	Poor-Fair	Poor-Fair	SR-15
310	Interior Live Oak	1	21	30	Fair	Poor	SR-15
311	Interior Live Oak	1	36	35	Fair-Good	Fair	SR-15
312	Valley Oak	1	33	35	Fair-Good	Fair	SR-15
313	Interior Live Oak	1	22	20	Fair	Poor-Fair	SR-15
314	Interior Live Oak	1	13	15	Poor-Fair	Poor-Fair	SR-15
315	Valley Oak	1	21	30	Fair	Fair-Good	SR-15
316	Interior Live Oak	1	6	15	Good	Fair-Good	SR-15
317	Interior Live Oak	1	11	20	Fair	Fair	SR-15
318	Interior Live Oak	1	12	25	Fair	Poor-Fair	SR-15
319	Interior Live Oak	1	6	8	Fair	Poor-Fair	SR-15
320	Valley Oak	1	9	10	Fair	Fair	SR-15
321	Interior Live Oak	1	29	35	Fair-Good	Fair	SR-15
322	Interior Live Oak	1	38	25	Fair	Poor	SR-15
323	Valley Oak	1	48	35	Fair	Fair	SR-15
324	Interior Live Oak	1	28	30	Fair	Fair	SR-15
325	Interior Live Oak	1	20	30	Fair	Fair	SR-15
326	Interior Live Oak	1	24	30	Fair-Good	Fair-Good	SR-15
327	Interior Live Oak	1	11	22	Fair	Fair	SR-15
328	Interior Live Oak	1	7	8	Poor-Fair	Fair	SR-15
329	Interior Live Oak	1	18	20	Fair	Fair	SR-15
330	Interior Live Oak	1	22	20	Fair-Good	Fair	SR-15
331	Interior Live Oak	1	36	20	Fair	Fair	SR-15
332	Interior Live Oak	1	32	20	Fair	Poor-Fair	SR-15
333	Interior Live Oak	3	18,12,9	20	Fair	Fair	SR-15
334	Interior Live Oak	3	24,20,16	25	Fair-Good	Fair	SR-15
335	Interior Live Oak	1	22	18	Fair	Poor-Fair	SR-15
336	Interior Live Oak	1	36	18	Fair-Good	Poor-Fair	SR-15
337	Interior Live Oak	1	13	15	Fair	Fair	SR-15
338	Interior Live Oak	1	38	15	Fair-Good	Poor	SR-15
339	Interior Live Oak	1	41	30	Fair-Good	Fair	SR-15
340	Interior Live Oak	1	25	25	Poor-Fair	Poor	SR-15
341	Valley Oak	1	36	35	Fair-Good	Fair-Good	SR-15
342	Valley Oak	1	38	30	Fair-Good	Fair	SR-15
343	Interior Live Oak	6	5,4,4,3,3	18	Fair-Good	Fair	SR-15
344	Interior Live Oak	1	21	25	Fair-Good	Fair-Good	SR-15
345	Interior Live Oak	1	22	18	Fair	Poor-Fair	SR-15
346	Valley Oak	1	38	30	Fair-Good	Fair	SR-15
347	Interior Live Oak	1	14	20	Fair-Good	Fair-Good	SR-15
348	Interior Live Oak	1	29	8	Poor	Poor	SR-15
349	Interior Live Oak	1	23	25	Fair	Fair	SR-15
350	Interior Live Oak	2	16,6	20	Fair	Poor-Fair	SR-15

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
351	Interior Live Oak	1	24	30	Fair-Good	Poor-Fair	SR-15
352	Valley Oak	1	29	45	Fair	Poor-Fair	SR-15
353	Interior Live Oak	1	13	25	Fair-Good	Poor-Fair	SR-15
354	Valley Oak	1	51	40	Fair-Good	Fair	SR-15
355	Interior Live Oak	1	18	22	Fair	Poor-Fair	SR-15
356	Oracle Oak	1	33	33	Fair-Good	Fair	SR-15
357	Interior Live Oak	1	9	18	Fair	Fair	SR-15
358	Interior Live Oak	3	13,12,11	20	Poor	Fair	SR-15
359	Interior Live Oak	1	21	18	Fair-Good	Fair	SR-15
360	Interior Live Oak	2	18,13	18	Fair	Fair	SR-15
361	Interior Live Oak	1	35	30	Fair	Fair	SR-15
362	Valley Oak	1	35	35	Fair-Good	Fair-Good	SR-15
363	Interior Live Oak	1	15	20	Fair	Poor-Fair	SR-15
364	Interior Live Oak	2	15,5	30	Poor-Fair	Fair	SR-15
365	Interior Live Oak	2	12,10	25	Fair	Poor-Fair	SR-15
366	Interior Live Oak	1	17	20	Fair	Poor-Fair	SR-15
367	Valley Oak	1	39	35	Fair-Good	Fair-Good	SR-15
368	Valley Oak	1	23	25	Fair	Fair-Good	SR-15
369	Valley Oak	1	23	30	Fair	Fair	SR-15
370	Valley Oak	1	35	15	Fair	Poor-Fair	SR-15
371	Valley Oak	1	30	35	Fair-Good	Fair-Good	SR-15
372	Interior Live Oak	3	7,6,5	20	Fair	Fair	SR-15
373	Interior Live Oak	1	6	10	Good	Fair	SR-15
374	Interior Live Oak	1	9	10	Good	Fair-Good	SR-15
375	Valley Oak	1	32	30	Fair-Good	Fair-Good	SR-15
376	Valley Oak	1	15	18	Fair-Good	Fair-Good	SR-15
377	Valley Oak	1	42	10	Poor-Fair	Poor	SR-15
378	Valley Oak	1	22	25	Fair-Good	Fair	SR-15
379	Valley Oak	1	27	25	Fair-Good	Fair	SR-15
380	Valley Oak	2	25,20	30	Fair-Good	Fair-Good	SR-15
381	Interior Live Oak	1	7	8	Good	Good	SR-15
382	Interior Live Oak	1	7	8	Good	Fair	SR-15
383	Interior Live Oak	1	7	7	Good	Fair-Good	SR-15
384	Interior Live Oak	1	10	10	Good	Fair-Good	SR-15
385	Interior Live Oak	1	7	7	Good	Fair-Good	SR-15
386	Interior Live Oak	1	7	7	Good	Fair-Good	SR-15
387	Interior Live Oak	1	8	8	Good	Fair	SR-15
388	Interior Live Oak	2	28,21	25	Fair-Good	Fair	SR-15
389	Interior Live Oak	1	6	6	Good	Good	SR-15
390	Interior Live Oak	1	6	6	Good	Good	SR-15
391	Valley Oak	1	31	25	Fair	Fair-Good	SR-15
392	Blue Oak	1	17	20	Fair	Fair	SR-15
393	Valley Oak	1	25	20	Fair	Fair-Good	SR-15
394	Interior Live Oak	1	7	12	Good	Fair-Good	SR-15
395	Valley Oak	1	6	6	Good	Poor-Fair	SR-15
396	Valley Oak	1	7	10	Good	Good	SR-15
397	Interior Live Oak	1	6	8	Fair	Poor-Fair	SR-15
398	Interior Live Oak	1	6	10	Good	Fair-Good	SR-15
399	Valley Oak	1	7	15	Good	Fair-Good	SR-15
400	Interior Live Oak	1	6	12	Good	Good	SR-15

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
401	Interior Live Oak	1	7	15	Good	Good	SR-15
402	Valley Oak	1	31	40	Fair-Good	Fair-Good	SR-15
403	Valley Oak	1	40	35	Fair-Good	Fair-Good	SR-15
414	Interior Live Oak	1	7	15	Good	Fair-Good	SR-15
426	Interior Live Oak	10	2,3,5,4,8,1,6,2,6,5	20	Fair-Good	Fair	SR-4
427	Interior Live Oak	1	36	47	Fair-Good	Fair	SR-4
428	Interior Live Oak	2	24,17	30	Fair	Poor-Fair	SR-4
429	Interior Live Oak	1	14	27	Poor-Fair	Fair	SR-4
430	Interior Live Oak	8	8,6,7,7,10.5,12,5,3	27	Fair	Fair	SR-4
431	Interior Live Oak	1	14	27	Poor-Fair	Poor-Fair	SR-4
432	Interior Live Oak	3	5,6,1	25	Fair	Poor-Fair	SR-4
433	Interior Live Oak	1	23	20	Poor-Fair	Poor-Fair	SR-4
435	Blue Oak	1	16	27	Fair	Fair	SR-4
435	Blue Oak	1	37	47	Fair-Good	Fair-Good	SR-4
436	Blue Oak	1	20	30	Fair	Fair	SR-4
437	Interior Live Oak	2	10,10	20	Fair	Fair	SR-4
438	Interior Live Oak	2	4,10	20	Fair	Fair	SR-4
439	Interior Live Oak	2	7,10	25	Fair	Fair	SR-4
440	Blue Oak	1	25	40	Fair	Fair-Good	SR-4
441	Valley Oak	1	20	27	Fair-Good	Fair-Good	SR-5
442	Interior Live Oak	1	6	8	Fair-Good	Fair-Good	SR-5
443	Interior Live Oak	2	6,4	10	Fair-Good	Fair-Good	SR-5
444	Interior Live Oak	2	1,6	12	Fair	Fair	SR-5
445	Interior Live Oak	1	9	17	Fair	Fair	SR-5
446	Interior Live Oak	2	8,14	22	Fair-Good	Fair-Good	SR-5
447	Interior Live Oak	4	5,7,4,3	17	Fair-Good	Fair-Good	SR-5
448	Valley Oak	2	8,9	27	Fair-Good	Fair	SR-5
449	Interior Live Oak	1	6	17	Fair	Fair	SR-5
450	Valley Oak	1	18	40	Fair	Poor-Fair	SR-5
451	Valley Oak	1	9	27	Fair	Poor-Fair	SR-5
452	Valley Oak	1	9	10	Fair-Good	Fair	SR-5
454	Interior Live Oak	1	6	10	Fair-Good	Fair-Good	SR-5
455	Interior Live Oak	3	4,7,1	20	Fair	Fair	SR-5
456	Interior Live Oak	2	6,4	17	Fair	Poor-Fair	SR-5
457	Interior Live Oak	5	2,3,5,2,6	17	Fair	Fair	SR-5
458	Interior Live Oak	3	6,2,3	15	Fair-Good	Fair	SR-5
459	Valley Oak	1	33	42	Poor-Fair	Poor	SR-5
460	Interior Live Oak	4	5,6,4,6	15	Fair-Good	Fair	SR-5
461	Interior Live Oak	3	6,4,6	12	Fair-Good	Fair	SR-5
462	Interior Live Oak	1	8	15	Fair-Good	Fair	SR-5
463	Interior Live Oak	1	6	12	Fair	Fair	SR-5
464	Blue Oak	1	43	35	Fair	Poor-Fair	SR-1
465	Interior Live Oak	1	9	10	Good	Fair-Good	C-3
465	Interior Live Oak	1	11	12	Fair-Good	Fair	C-3
466	Blue Oak	1	6	12	Fair-Good	Fair-Good	SR-1
468	Interior Live Oak	2	10,5	13	Fair-Good	Fair	SR-2
469	Valley Oak	1	30	25	Fair-Good	Poor-Fair	SR-2
470	Interior Live Oak	2	13,9	22	Fair	Poor-Fair	SR-2

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
471	Interior Live Oak	1	48	30	Fair-Good	Fair	SR-2
472	Interior Live Oak	3	30,13,8	30	Fair	Fair	SR-2
473	Interior Live Oak	3	17,11,7	25	Fair-Good	Poor-Fair	SR-2
474	Interior Live Oak	1	11	18	Fair	Poor-Fair	SR-2
475	Valley Oak	1	17	22	Good	Good	SR-6
476	Valley Oak	1	13	18	Good	Good	SR-6
477	Valley Oak	1	7	25	Fair-Good	Fair	SR-6
478	Valley Oak	1	8	18	Fair-Good	Fair	SR-6
479	Valley Oak	2	10,10	20	Fair-Good	Fair-Good	SR-6
480	Valley Oak	1	9	16	Good	Good	SR-6
481	Valley Oak	1	10	16	Good	Good	SR-6
482	Valley Oak	1	11	20	Good	Fair-Good	SR-6
483	Valley Oak	2	9,6	18	Good	Fair-Good	SR-6
484	Valley Oak	1	8	16	Good	Fair-Good	SR-6
485	Valley Oak	1	7	12	Good	Fair-Good	SR-6
486	Valley Oak	1	11	20	Good	Fair-Good	SR-6
487	Valley Oak	1	8	16	Good	Fair-Good	SR-6
488	Valley Oak	1	9	18	Good	Fair-Good	SR-6
489	Valley Oak	1	13	25	Fair-Good	Fair-Good	SR-6
490	Valley Oak	1	7	18	Good	Fair-Good	SR-6
491	Valley Oak	1	6	15	Good	Fair-Good	SR-6
492	Valley Oak	1	8	17	Good	Good	SR-6
493	Valley Oak	1	26	26	Fair-Good	Fair-Good	SR-6
494	Valley Oak	3	20,19,14	35	Fair-Good	Fair-Good	SR-6
495	Valley Oak	1	25	30	Fair-Good	Fair-Good	SR-6
496	Valley Oak	1	6	10	Fair-Good	Fair	SR-6
497	Valley Oak	1	26	30	Fair-Good	Fair-Good	SR-6
498	Valley Oak	1	19	30	Fair-Good	Fair-Good	SR-6
499	Valley Oak	1	8	12	Good	Fair-Good	SR-6
500	Valley Oak	1	8	18	Good	Fair-Good	SR-6
501	Valley Oak	1	7	12	Fair-Good	Fair-Good	SR-6
502	Valley Oak	1	18	35	Fair-Good	Fair-Good	SR-6
503	Blue Oak	1	7	22	Fair	Fair	SR-6
504	Valley Oak	2	14,5	30	Fair-Good	Fair-Good	SR-6
505	Blue Oak	1	13	24	Fair-Good	Fair-Good	SR-6
506	Valley Oak	2	13,6	10	Fair	Fair-Good	SR-6
507	Valley Oak	1	11	18	Fair	Fair-Good	SR-6
508	Valley Oak	1	13	22	Good	Fair-Good	SR-6
509	Valley Oak	1	17	28	Good	Good	SR-6
510	Valley Oak	1	6	14	Good	Fair-Good	SR-6
511	Valley Oak	1	35	25	Fair-Good	Fair-Good	SR-6
512	Valley Oak	1	17	33	Fair-Good	Fair-Good	SR-6
513	Valley Oak	1	16	25	Fair-Good	Fair-Good	SR-6
514	Valley Oak	1	14	25	Fair-Good	Fair-Good	SR-6
515	Valley Oak	1	7	15	Fair-Good	Fair-Good	SR-6
516	Valley Oak	1	7	15	Good	Fair-Good	SR-6
517	Valley Oak	1	7	18	Good	Fair-Good	SR-6
518	Valley Oak	1	22	30	Good	Fair-Good	SR-6
519	Valley Oak	1	6	10	Fair-Good	Fair-Good	SR-6
520	Valley Oak	1	24	25	Good	Good	SR-6

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
521	Valley Oak	1	6	12	Good	Good	SR-6
522	Valley Oak	1	8	10	Good	Good	SR-6
523	Valley Oak	1	6	10	Good	Good	SR-6
524	Valley Oak	1	17	22	Good	Good	SR-6
525	Interior Live Oak	1	6	12	Good	Fair-Good	SR-6
526	Valley Oak	1	9	16	Good	Fair-Good	SR-6
527	Valley Oak	1	33	25	Good	Good	SR-6
528	Interior Live Oak	1	6	15	Good	Fair-Good	SR-6
529	Interior Live Oak	1	9	12	Fair-Good	Fair-Good	SR-6
530	Valley Oak	1	8	25	Good	Fair-Good	SR-6
531	Valley Oak	1	17	40	Fair-Good	Fair-Good	SR-6
532	Valley Oak	1	20	25	Good	Good	SR-6
533	Valley Oak	1	28	32	Fair-Good	Fair-Good	SR-6
534	Blue Oak	1	9	18	Good	Fair-Good	SR-6
535	Interior Live Oak	1	9	15	Good	Fair	SR-6
536	Interior Live Oak	1	6	15	Good	Fair-Good	SR-6
537	Blue Oak	1	41	30	Fair-Good	Fair-Good	SR-6
538	Valley Oak	1	31	32	Fair-Good	Fair-Good	SR-6
539	Blue Oak	1	18	28	Fair	Fair	SR-6
540	Valley Oak	1	17	30	Fair-Good	Fair-Good	SR-6
541	Blue Oak	1	17	22	Fair-Good	Fair-Good	SR-6
542	Valley Oak	1	12	25	Good	Fair-Good	SR-6
543	Blue Oak	1	7	2	Poor	Fair-Good	SR-6
544	Blue Oak	1	9	12	Fair	Fair-Good	SR-6
545	Valley Oak	1	10	22	Good	Fair-Good	SR-6
546	Valley Oak	1	6	20	Fair-Good	Fair-Good	SR-6
547	Valley Oak	1	14	25	Fair-Good	Fair-Good	SR-6
548	Valley Oak	1	15	18	Good	Good	SR-6
549	Valley Oak	1	6	8	Fair-Good	Fair-Good	SR-6
550	Valley Oak	1	14	22	Good	Fair-Good	SR-6
551	Valley Oak	1	23	30	Good	Good	SR-6
552	Valley Oak	1	9	28	Fair-Good	Fair-Good	SR-6
553	Blue Oak	1	6	8	Fair	Fair-Good	SR-6
554	Valley Oak	1	19	20	Good	Fair-Good	SR-6
555	Valley Oak	1	10	20	Good	Fair-Good	SR-6
556	Valley Oak	1	10	20	Fair-Good	Fair-Good	SR-6
557	Valley Oak	1	8	12	Good	Good	SR-6
558	Valley Oak	1	6	10	Good	Good	SR-6
559	Valley Oak	1	36	28	Fair-Good	Fair-Good	SR-6
560	Valley Oak	1	9	20	Good	Fair-Good	SR-6
561	Valley Oak	1	8	20	Good	Fair-Good	SR-6
562	Valley Oak	1	18	25	Good	Good	SR-6
563	Valley Oak	1	6	49	Fair-Good	Fair-Good	SR-6
564	Valley Oak	1	8	13	Good	Good	SR-6
565	Valley Oak	1	10	18	Good	Good	SR-6
566	Valley Oak	1	9	15	Good	Good	SR-6
567	Valley Oak	1	8	12	Good	Good	SR-6
568	Valley Oak	1	6	15	Good	Fair-Good	SR-6
569	Valley Oak	1	14	20	Good	Fair-Good	SR-6
570	Valley Oak	1	17	20	Good	Good	SR-6

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
571	Valley Oak	1	21	20	Good	Good	SR-6
572	Blue Oak	1	9	13	Good	Fair-Good	SR-7
573	Blue Oak	1	7	13	Good	Good	SR-7
574	Blue Oak	1	6	12	Good	Good	SR-8
575	Valley Oak	1	10	8	Fair	Fair-Good	SR-11
576	Valley Oak	1	7	8	Fair	Fair-Good	SR-11
577	Valley Oak	1	6	8	Fair	Poor-Fair	SR-11
585	Interior Live Oak	2	3,13	20	Fair-Good	Fair	SR-11
586	Interior Live Oak	2	2,9	12	Fair-Good	Fair	SR-11
587	Interior Live Oak	1	12	15	Fair-Good	Fair-Good	SR-11
588	Valley Oak	2	12,13	25	Fair	Fair	SR-11
589	Valley Oak	1	11	17	Fair	Poor-Fair	SR-11
590	Valley Oak	1	12	10	Fair-Good	Fair-Good	SR-11
591	Valley Oak	1	8	10	Fair	Fair	SR-11
592	Valley Oak	1	9	10	Fair-Good	Fair-Good	SR-11
593	Valley Oak	1	8	8	Fair	Fair	SR-11
594	Valley Oak	1	9	9	Fair	Fair	SR-11
595	Valley Oak	2	7,1	10	Fair	Fair	SR-11
596	Interior Live Oak	3	4,6,4	12	Fair-Good	Fair	SR-12
597	Valley Oak	3	10,8,6	15	Fair-Good	Fair	SR-12
598	Interior Live Oak	1	7	8	Fair	Fair	SR-12
599	Interior Live Oak	1	7	15	Fair-Good	Fair	SR-12
600	Interior Live Oak	2	8,14	22	Fair-Good	Poor-Fair	SR-12
601	Valley Oak	1	9	12	Fair-Good	Fair	SR-12
602	Valley Oak	2	5,7	10	Fair	Fair	SR-12
603	Valley Oak	2	8,1	10	Fair	Fair	SR-12
604	Valley Oak	1	9	10	Fair	Fair-Good	SR-12
605	Valley Oak	1	7	10	Fair	Fair	SR-12
606	Interior Live Oak	1	6	8	Fair-Good	Fair-Good	SR-12
607	Valley Oak	1	8	8	Fair-Good	Fair-Good	SR-12
608	Valley Oak	2	6,1	10	Fair-Good	Fair	SR-12
609	Valley Oak	2	6,3	10	Fair	Fair	SR-12
610	Valley Oak	1	8	10	Fair	Fair	SR-12
611	Interior Live Oak	1	6	12	Fair-Good	Fair	SR-12
612	Valley Oak	1	10	15	Fair-Good	Fair-Good	SR-12
613	Valley Oak	1	11	12	Fair-Good	Fair-Good	SR-12
614	Valley Oak	1	10	8	Fair	Fair	SR-12
615	Valley Oak	2	3,10	10	Fair	Fair	SR-12
616	Valley Oak	2	6,3	10	Poor-Fair	Fair	SR-12
617	Interior Live Oak	3	2,6,4	15	Fair	Fair	SR-12
618	Valley Oak	1	37	25	Fair	Fair	SR-12
619	Valley Oak	3	7,10,5	17	Poor-Fair	Poor	SR-12
620	Valley Oak	1	6	8	Fair	Fair	SR-12
621	Valley Oak	1	6	8	Fair	Fair-Good	SR-12
626	Interior Live Oak	1	38	30	Poor-Fair	Poor-Fair	SR-12
627	Interior Live Oak	1	6	8	Fair-Good	Fair	SR-12
628	Interior Live Oak	2	6,1	10	Fair-Good	Fair	SR-12
629	Oracle Oak	2	7,4	15	Fair-Good	Fair	SR-12
630	Interior Live Oak	1	7	12	Fair-Good	Fair	SR-12
631	Interior Live Oak	2	7,4	15	Poor	Poor	SR-12

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
632	Valley Oak	1	62	30	Poor-Fair	Poor-Fair	SR-12
633	Interior Live Oak	1	10	15	Fair-Good	Fair-Good	SR-12
634	Interior Live Oak	5	6,6,2,2,4	10	Fair	Fair	SR-12
635	Interior Live Oak	2	2,2	12	Fair-Good	Fair	SR-12
636	Valley Oak	1	16	27	Fair-Good	Fair-Good	SR-12
637	Interior Live Oak	1	9	10	Good	Good	SW-6
638	Interior Live Oak	1	6	8	Good	Good	SW-6
639	Interior Live Oak	1	6	10	Fair-Good	Good	SW-6
640	Interior Live Oak	2	7,3	12	Good	Fair	SW-6
641	Interior Live Oak	2	6,3	10	Good	Fair-Good	SW-6
642	Interior Live Oak	1	6	8	Fair-Good	Fair-Good	SW-6
643	Interior Live Oak	1	6	10	Fair-Good	Fair-Good	SW-6
644	Interior Live Oak	1	10	12	Good	Fair-Good	SW-6
645	Interior Live Oak	1	9	14	Good	Good	SW-6
646	Interior Live Oak	1	6	8	Good	Good	SW-6
647	Interior Live Oak	1	6	10	Fair-Good	Fair-Good	SW-6
648	Interior Live Oak	1	10	20	Good	Fair	SR-14
649	Interior Live Oak	1	7	16	Fair-Good	Fair-Good	SR-14
650	Interior Live Oak	1	6	10	Good	Good	SR-14
651	Interior Live Oak	5	5,3,3,2,1	8	Fair-Good	Fair-Good	WR-6
652	Interior Live Oak	3	7,3,2	12	Good	Fair-Good	WR-6
653	Interior Live Oak	1	6	10	Good	Good	WR-6
654	Interior Live Oak	1	6	10	Good	Good	WR-6
655	Interior Live Oak	1	7	10	Good	Good	WR-6
665	Interior Live Oak	1	7	12	Good	Good	WR-6
666	Interior Live Oak	1	6	12	Fair-Good	Good	WR-6
667	Interior Live Oak	1	6	12	Good	Good	WR-6
668	Interior Live Oak	1	7	12	Good	Good	WR-6
669	Interior Live Oak	1	6	10	Good	Good	WR-6
670	Interior Live Oak	1	6	12	Good	Good	WR-6
671	Interior Live Oak	1	6	12	Fair-Good	Good	WR-6
672	Interior Live Oak	1	7	12	Good	Good	WR-6
673	Interior Live Oak	1	7	12	Good	Good	WR-6
674	Interior Live Oak	1	6	12	Good	Good	WR-6
675	Interior Live Oak	1	6	12	Good	Fair-Good	WR-6
676	Interior Live Oak	1	8	15	Fair-Good	Good	WR-6
677	Interior Live Oak	1	6	12	Fair-Good	Fair-Good	WR-6
678	Interior Live Oak	1	6	12	Good	Fair-Good	WR-6
679	Interior Live Oak	1	6	12	Good	Good	WR-6
680	Interior Live Oak	1	6	12	Good	Fair-Good	WR-6
681	Interior Live Oak	1	7	15	Fair-Good	Good	WR-6
682	Interior Live Oak	1	6	10	Good	Good	WR-6
683	Interior Live Oak	1	6	12	Good	Good	WR-6
684	Interior Live Oak	1	6	12	Good	Good	WR-6
686	Interior Live Oak	4	6,2,2,2	12	Good	Good	WR-5
687	Interior Live Oak	1	6	10	Good	Good	WR-5
688	Interior Live Oak	1	6	10	Good	Good	WR-5
689	Interior Live Oak	1	6	12	Good	Good	WR-5
690	Interior Live Oak	1	6	12	Fair-Good	Good	WR-5
691	Interior Live Oak	1	8	15	Good	Good	WR-5

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
692	Interior Live Oak	1	6	10	Good	Good	WR-4
693	Valley Oak	1	8	11	Good	Good	WR-4
704	Interior Live Oak	1	6	10	Good	Good	WR-4
713	Valley Oak	1	55	30	Fair-Good	Fair-Good	WR-1
714	Valley Oak	1	50	35	Fair-Good	Fair-Good	WR-1
715	Valley Oak	2	12,9	20	Good	Fair-Good	WR-1
716	Valley Oak	1	31	30	Good	Good	WR-1
717	Valley Oak	1	60	33	Fair-Good	Fair	WR-1
718	Valley Oak	1	37	28	Fair-Good	Fair-Good	WR-1
719	Valley Oak	1	35	24	Good	Good	WR-1
720	Valley Oak	1	23	20	Good	Good	WR-1
721	Valley Oak	1	29	22	Good	Good	WR-1
722	Valley Oak	1	15	18	Good	Good	WR-1
723	Valley Oak	1	50	35	Fair-Good	Fair-Good	WR-1
724	Interior Live Oak	1	6	10	Good	Fair	WR-1
725	Interior Live Oak	3	9,4,3	10	Good	Fair-Good	WR-1
726	Interior Live Oak	5	7,5,4,3,3	10	Good	Fair-Good	WR-1
727	Valley Oak	4	14,13,8,6	20	Fair-Good	Fair-Good	WR-1
728	Valley Oak	1	51	32	Fair-Good	Fair-Good	WR-1
729	Valley Oak	1	31	22	Fair-Good	Fair-Good	WR-1
730	Interior Live Oak	3	6,5,4	10	Good	Good	WR-1
731	Interior Live Oak	4	6,3,3,2	10	Good	Good	WR-1
732	Interior Live Oak	1	6	10	Good	Fair-Good	WR-1
733	Valley Oak	1	9	15	Good	Good	WR-1
734	Interior Live Oak	2	8,3	12	Good	Fair-Good	WR-1
735	Valley Oak	2	9,8	18	Good	Fair-Good	WR-1
736	Interior Live Oak	1	12	18	Fair-Good	Fair-Good	WR-1
737	Valley Oak	1	7	10	Good	Good	WR-1
738	Valley Oak	2	9,4	15	Good	Fair-Good	WR-1
739	Valley Oak	2	8,7	16	Good	Fair-Good	WR-1
740	Valley Oak	1	6	10	Good	Fair-Good	WR-1
741	Valley Oak	2	8,5	16	Good	Fair-Good	WR-1
742	Valley Oak	1	23	25	Fair-Good	Good	WR-1
743	Interior Live Oak	1	10	15	Good	Good	WR-1
744	Valley Oak	1	26	20	Good	Good	WR-1
745	Valley Oak	1	38	28	Good	Good	WR-1
746	Interior Live Oak	1	46	28	Fair-Good	Fair	WR-1
747	Interior Live Oak	2	13,11	25	Fair-Good	Fair-Good	WR-1
748	Interior Live Oak	2	19,16	25	Fair-Good	Fair	WR-1
749	Valley Oak	1	21	25	Good	Fair-Good	WR-1
750	Valley Oak	1	22	22	Fair-Good	Fair-Good	WR-1
751	Valley Oak	1	41	35	Fair-Good	Fair-Good	WR-1
752	Interior Live Oak	1	28	16	Fair-Good	Poor	WR-1
753	Valley Oak	1	16	20	Fair-Good	Fair-Good	WR-1
754	Valley Oak	1	33	20	Fair-Good	Fair-Good	WR-1
755	Valley Oak	1	24	20	Good	Fair-Good	WR-1
756	Interior Live Oak	5	32,16,9,4,3	18	Fair-Good	Fair	WR-1
757	Valley Oak	1	24	30	Fair-Good	Fair-Good	WR-1
758	Interior Live Oak	1	13	6	Poor	Poor	WR-1
759	Valley Oak	1	28	35	Fair	Poor-Fair	WR-1

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
760	Valley Oak	1	19	25	Fair	Poor-Fair	WR-1
761	Interior Live Oak	1	9	10	Poor-Fair	Poor-Fair	WR-1
762	Valley Oak	1	18	18	Good	Fair-Good	WR-1
763	Valley Oak	1	13	15	Fair-Good	Fair-Good	WR-1
764	Valley Oak	1	22	25	Fair-Good	Fair-Good	WR-1
765	Valley Oak	1	29	22	Fair-Good	Fair-Good	WR-1
766	Interior Live Oak	2	30,19	33	Fair-Good	Fair	WR-1
767	Interior Live Oak	2	19,17	25	Fair-Good	Poor	WR-1
768	Interior Live Oak	2	12,10	15	Fair-Good	Fair-Good	WR-1
769	Interior Live Oak	2	16,9	18	Fair-Good	Fair	WR-1
770	Interior Live Oak	1	38	30	Fair-Good	Poor-Fair	WR-1
771	Interior Live Oak	1	22	25	Good	Good	WR-1
772	Interior Live Oak	2	25,11	25	Good	Good	WR-1
773	Interior Live Oak	3	24,20,13	32	Fair-Good	Fair	WR-1
774	Interior Live Oak	2	23,18	20	Fair-Good	Fair-Good	WR-1
775	Interior Live Oak	2	28,16	28	Fair-Good	Fair-Good	WR-1
776	Interior Live Oak	1	17	24	Fair	Fair	WR-1
777	Interior Live Oak	2	24,3	18	Poor-Fair	Poor-Fair	WR-1
778	Interior Live Oak	1	32	22	Fair	Poor-Fair	WR-1
779	Valley Oak	1	37	25	Fair-Good	Good	WR-1
780	Valley Oak	1	20	20	Good	Fair-Good	WR-1
781	Valley Oak	1	44	35	Fair-Good	Fair-Good	WR-1
783	Valley Oak	1	57	30	Good	Fair-Good	WR-1
784	Interior Live Oak	2	31,10	30	Good	Fair-Good	WR-1
785	Interior Live Oak	1	40	40	Fair-Good	Fair	WR-1
786	Interior Live Oak	1	6	8	Good	Good	WR-1
787	Interior Live Oak	1	6	8	Good	Good	WR-1
788	Interior Live Oak	1	6	10	Good	Fair-Good	WR-1
788	Interior Live Oak	1	6	10	Good	Fair-Good	C-4
789	Interior Live Oak	1	11	12	Fair-Good	Good	C-4
790	Interior Live Oak	4	6,3,3,1	10	Good	Fair-Good	C-4
791	Interior Live Oak	1	7	13	Good	Good	C-4
792	Blue Oak	2	24,22	24	Good	Good	C-3
794	Blue Oak	1	23	22	Fair-Good	Good	C-3
795	Blue Oak	1	26	20	Fair-Good	Good	C-3
796	Blue Oak	1	31	20	Fair	Fair-Good	C-3
797	Blue Oak	1	32	20	Good	Fair-Good	C-3
798	Blue Oak	1	38	30	Fair-Good	Fair-Good	C-3
799	Black Oak	1	26	26	Fair-Good	Good	C-3
800	Blue Oak	1	31	28	Fair-Good	Good	C-3
801	Blue Oak	1	35	28	Good	Good	C-3
802	Blue Oak	1	25	28	Good	Fair-Good	C-3
803	Blue Oak	1	31	30	Fair-Good	Good	C-3
804	Blue Oak	1	28	28	Fair-Good	Good	C-3
805	Blue Oak	1	22	20	Fair-Good	Fair-Good	C-3
806	Blue Oak	1	24	22	Fair-Good	Fair-Good	C-3
807	Blue Oak	1	34	30	Good	Fair-Good	C-3
808	Blue Oak	1	30	30	Fair-Good	Fair-Good	C-3
809	Blue Oak	1	28	30	Fair-Good	Fair-Good	C-3
810	Blue Oak	1	14	20	Fair-Good	Fair	C-3

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
811	Blue Oak	1	27	25	Fair-Good	Fair-Good	C-3
812	Blue Oak	1	22	30	Fair	Poor	C-3
813	Blue Oak	1	49	38	Fair-Good	Good	C-3
814	Interior Live Oak	1	7	12	Good	Good	C-3
815	Blue Oak	1	42	27	Fair-Good	Fair-Good	SR-1
816	Interior Live Oak	3	5,4,7	10	Fair-Good	Fair	SR-12
817	Valley Oak	2	6,4	8	Fair	Fair	SR-12
818	Valley Oak	3	6,8,6	12	Fair-Good	Fair	SR-12
819	Valley Oak	2	6,2	8	Poor-Fair	Poor-Fair	SR-12
882	Valley Oak	1	9	10	Good	Good	SR-13
883	Valley Oak	1	9	10	Good	Fair-Good	SR-13
884	Interior Live Oak	1	8	12	Good	Fair-Good	SR-13
885	Valley Oak	2	6,5	14	Good	Fair-Good	SR-13
886	Interior Live Oak	2	6,3	12	Good	Fair-Good	SR-13
887	Valley Oak	1	7	10	Good	Good	SR-13
888	Valley Oak	1	6	10	Good	Good	SR-13
889	Interior Live Oak	2	6,5	12	Good	Fair-Good	SR-13
890	Interior Live Oak	1	8	15	Good	Fair-Good	SR-13
891	Interior Live Oak	1	6	11	Good	Good	SR-13
892	Interior Live Oak	4	6,4,3,3	12	Good	Fair-Good	SR-13
901	Valley Oak	1	35	27	Fair-Good	Fair-Good	SR-12
902	Valley Oak	1	6	4	Fair-Good	Fair-Good	SR-12
903	Valley Oak	1	7	6	Fair	Fair	SR-12
904	Interior Live Oak	2	7,1	10	Fair-Good	Fair	SR-12
905	Interior Live Oak	2	5,7	12	Fair-Good	Fair	SR-12
906	Valley Oak	4	3,3,3,8	8	Fair	Fair	SR-12
907	Valley Oak	1	27	30	Fair	Fair	SR-12
908	Valley Oak	1	7	8	Fair-Good	Fair	SR-12
909	Interior Live Oak	2	6,2	10	Fair-Good	Fair	SR-12
910	Valley Oak	2	6,2	10	Fair	Fair	SR-12
911	Interior Live Oak	1	6	10	Fair-Good	Fair	SR-12
912	Interior Live Oak	1	6	8	Fair-Good	Fair	SR-12
913	Valley Oak	1	10	8	Poor-Fair	Poor-Fair	SR-12
914	Valley Oak	2	6,7	10	Fair-Good	Fair	SR-12
915	Valley Oak	1	7	8	Fair	Fair	SR-12
916	Valley Oak	1	6	10	Good	Good	SR-13
917	Valley Oak	1	10	10	Good	Good	SR-13
918	Valley Oak	3	13,8,8	18	Good	Fair-Good	SR-13
919	Valley Oak	1	10	12	Good	Good	SR-13
920	Valley Oak	1	18	18	Good	Fair-Good	SR-13
921	Valley Oak	1	16	18	Good	Good	SR-13
922	Valley Oak	1	6	8	Good	Good	SR-13
923	Valley Oak	1	18	18	Good	Good	SR-13
924	Interior Live Oak	2	7,2	15	Good	Fair-Good	SR-13
925	Valley Oak	1	7	10	Good	Good	SR-13
926	Interior Live Oak	5	3,3,2,1	8	Good	Good	SR-13
927	Interior Live Oak	4	5,5,3,3	8	Good	Good	SR-13
928	Valley Oak	1	6	10	Good	Good	SR-13
929	Interior Live Oak	2	6,5	10	Good	Fair-Good	SR-13
930	Interior Live Oak	1	6	12	Good	Good	SR-13

Rocklin Open Space
Tree Survey Data

Tree Number	Species	Number of Trunks	DBH	Dripline Radius	Health	Structure	Location
932	Interior Live Oak	2	9,8	15	Good	Fair-Good	SR-13
933	Interior Live Oak	2	8,3	15	Good	Good	SR-13
934	Interior Live Oak	3	8,7,6	15	Good	Fair-Good	SR-13
935	Interior Live Oak	3	9,8,3	15	Good	Fair-Good	SR-13
936	Interior Live Oak	1	11	15	Good	Good	SR-13
937	Interior Live Oak	2	7,6	16	Fair-Good	Fair-Good	SR-13
938	Interior Live Oak	1	6	10	Good	Fair-Good	SR-13
940	Interior Live Oak	1	8	10	Good	Good	SR-13
941	Interior Live Oak	1	10	15	Good	Good	SR-13
942	Interior Live Oak	1	6	8	Good	Good	SR-10

Appendix C — Observed Plant and Wildlife Species Lists

Claremont Preserve Area

Plant List

Scientific Name	Common Name
*Avena fatua	Wild oat
*Brassica rapa	Field mustard
*Bromus diandrus	Ripgut grass
*Bromus hordeaceus	Soft chess
*Carduus pycnocephalus	Italian thistle
*Centaurea solstitialis	Yellow star thistle
*Elymus caput-medusae	Medusahead
*Festuca perennis	Rye grass
*Ficus carica	Edible fig
*Foeniculum vulgare	Sweet fennel
Hordeum marinum	Seaside barley
Hordeum murinum	Foxtail barley
*Plantago lanceolata	English plantain
*Pyrus calleryana	Callery pear
*Raphanus sativus	Wild radish
*Rubus armeniacus	Himalayan blackberry
*Rumex crispus	Curly dock
Silybum marianum	Milk thistle
*Triadica sebifera	Chinese tallowtree
*Trifolium dubium	Little hop clover
*Trifolium hirtum	Rose clover
Amsinckia menziesii	Common fiddleneck
Delphinium sp.	Larkspur
Erodium botrys	Filaree
Holocarpha virgata	Tarplant
Lupinus bicolor	Miniature lupine
Quercus lobata	Valley oak
Rubus armeniacus	Himalayan blackberry
Schoenoplectus sp.	Bulrush
Sonchus sp.	Sowthistle

* = Invasive Species

Claremont Preserve Area

Wildlife List

Scientific Name	Common Name
Aphelocoma californica	Western scrub jay
Lepus californicus	Black-tailed jackrabbit
Melozone crissalis	California towhee
Mimus polyglottos	Northern mockingbird
Spinus tristis	American goldfinch
Turdus migratorius	American robin
Zenaida macroura	Mourning Dove

Orchard Creek Preserve Area

Plant List

Scientific Name	Common Name
**Avena fatua*	Wild oat
**Brassica rapa*	Field mustard
**Bromus diandrus*	Ripgut grass
**Bromus hordeaceus*	Soft chess
**Carduus pycnocephalus*	Italian thistle
**Centaurea solstitialis*	Yellow star thistle
**Elymus caput-medusae*	Medusahead
**Festuca perennis*	Rye grass
**Ficus carica*	Edible fig
**Foeniculum vulgare*	Sweet fennel
**Galium aparine*	Common bedstraw
**Plantago lanceolata*	English plantain
**Pyrus calleryana*	Callery pear
**Raphanus sativus*	Wild radish
**Rubus armeniacus*	Himalayan blackberry
**Rumex crispus*	Curly dock
**Triadica sebifera*	Chinese tallowtree
**Trifolium dubium*	Little hop clover
**Trifolium hirtum*	Rose clover

* = Invasive Species

Orchard Creek Preserve Area

Wildlife List

Scientific Name	Common Name
Aphelocoma californica	Western scrub jay
Buteo jamaicensis	Red-tailed hawk
Charadrius vociferus	Killdeer
Colaptes auratus	Northern Flicker
Lepus californicus	Black-tailed jackrabbit
Melozone crissalis	California towhee
Mimus polyglottos	Northern mockingbird
Sayornis nigricans	Black phoebe
Zenaida macroura	Mourning dove

Stanford Ranch Preserve Area

Plant List

Scientific Name	Common Name
**Avena fatua*	Wild oat
**Brassica rapa*	Field mustard
**Bromus diandrus*	Ripgut grass
**Bromus hordeaceus*	Soft chess
**Carduus pycnocephalus*	Italian thistle
**Centaurea solstitialis*	Yellow star thistle
**Elymus caput-medusae*	Medusahead
**Festuca perennis*	Rye grass
**Ficus carica*	Edible fig
**Foeniculum vulgare*	Sweet fennel
**Galium aparine*	Common bedstraw
**Plantago lanceolata*	English plantain
**Pyrus calleryana*	Callery pear
**Raphanus sativus*	Wild radish
**Rubus armeniacus*	Himalayan blackberry
**Rumex crispus*	Curly dock
**Triadica sebifera*	Chinese tallowtree
**Trifolium dubium*	Little hop clover
**Trifolium hirtum*	Rose clover
Achillea millefolium	Common yarrow
Acmispon (L. purshianus)	Spanish lotus
Acmispon americanus	American bird's foot trefoil
Aira caryophyllea	Silver hair grass
Baccharis pilularis	Coyote brush
Carex sp.	Sedge
Centromadia fitchii	Spikeweed
Cichorium intybus	Chicory
Convolvulus arvensis	Field bindweed
Croton Setigerus	Turkey-mullein
Cyperus eragrostis	Nutsedge
Datura sp.	Jimson weed
Dysphania ambrosioides	Mexican tea
Eleocharis macrostachya	Spikerush
Epilobium ciliatum	Willowherb
Erodium botrys	Filaree
Eschscholzia californica	California poppy
Eschscholzia lobbii	Frying pan poppy
Filago sp.	Cottonrose
Fraxinus latifolia	Oregon ash
Holocarpha virgata	Tarweed
Hordeum marinum	Mediterranean barley
Hordeum murinum	Foxtail barley
Hypochaeris glabra	Smooth cat's-ear
Juncus balticus	Baltic rush
Juncus patens	Spreading rush
Lactuca serriola	Prickly lettuce

Stanford Ranch Preserve Area

Plant List

Scientific Name	Common Name
Ligustrum sp.	Privet
Lysimachia arvensis	Scarlet pimpernel
Mentha pulegium	Pennyroyal
Paspalum dilatatum	Dallis grass
Petrorhagia dubia	Pink grass
Phoradendron leucarpum	Big leaf mistletoe
Pinus sabiniana	Bull pine
Polygonum sp.	Knotweed
Polypogon monspeliensis	Rabbitsfoot grass
Populus fremontii ssp. fremontii	Fremont cottonwood
Quercus douglasii	Blue oak
Quercus kelloggii	Black oak
Quercus lobata	Valley oak
Robinia pseudoacacia	Black locust
Rumex acetosella	Common sheep sorrel
Salix exigua	Narrow leaved willow
Salix laevigata	Red willow
Salix sp.	Willow
Schoenoplectus sp.	Bulrush
Symphyotrichum chilense	Purple aster
Torilis arvensis	Field hedge parsley
Toxicodendron diversilobum	Poison oak
Trichostema lanceolatum	Vinegar weed
Triteleia laxa	Ithuriel's spear
Typha angustifolia	Narrow-leaved cattail
Typha latifolia	Common cattail
Verbascum blattaria	Moth mullein
Verbascum thapsus	Woolly mullein
Vicia villosa	Hairy vetch
Vitis californica	California grape

* = Invasive Species

Stanford Ranch Preserve Area
Wildlife List

Scientific Name	Common Name
Aphelocoma californica	Western scrub-jay
Ardea alba	Great egret
Ardea herodias	Great blue heron
Buteo jamaicensis	Red-tailed hawk
Callipepla californica	California quail
Canis latrans	Coyote
Cathartes aura	Turkey vulture
Ceryle alcyon	Belted king fisher
Clemmys marmorata	Western pond turtle
Colaptes auratus	Northern flicker
Columba livia	Rock pigeon
Haemorhous mexicanus	House finch
Junco hyemalis	Dark-eyed Junco
Lampropeltis	King snake
Lepus californicus	Black-tailed jackrabbit
Melanerpes formicivorus	Acorn woodpecker
Meleagris gallopavo	Wild turkey
Odocoileus hemionus	Balck tailed dear
Passerculus sandwichensis	Savannah sparrow
Phasianus colchicus	Ring-necked pheasant
Pipilo maculatus	Spotted towhee
Procyon lotor	Raccoon
Sayornis nigricans	Black phoebe
Zenaida macroura	Mourning dove

Sunset West Preserve Area

Plant List

Scientific Name	Common Name
**Avena fatua*	Wild oat
**Brassica rapa*	Field mustard
**Bromus diandrus*	Ripgut grass
**Bromus hordeaceus*	Soft chess
**Carduus pycnocephalus*	Italian thistle
**Centaurea solstitialis*	Yellow star thistle
**Elymus caput-medusae*	Medusahead
**Festuca perennis*	Rye grass
**Ficus carica*	Edible fig
**Foeniculum vulgare*	Sweet fennel
**Galium aparine*	Common bedstraw
**Hordeum marinum*	Mediterranean barley
**Plantago lanceolata*	English plantain
**Pyrus calleryana*	Callery pear
**Raphanus sativus*	Wild radish
**Rubus armeniacus*	Himalayan blackberry
**Rumex crispus*	Curly dock
**Triadica sebifera*	Chinese tallowtree
**Trifolium dubium*	Little hop clover
**Trifolium hirtum*	Rose clover
Acmispon (L. purshianus)	Spanish lotus
Baccharis pilularis	Coyote brush
Croton Setigerus	Turkey-mullein
Cyperus eragrostis	Nutsedge
Datura sp.	Jimson weed
Eleocharis macrostachya	Spikerush
Epilobium ciliatum	Willowherb
Holocarpha virgata	Tarweed
Juncus patens	Spreading rush
Lactuca serriola	Prickly lettuce
Mentha pulegium	Pennyroyal
Nerium oleande	Oleander
Paspalum dilatatum	Dallis grass
Polygonum sp.	Knotweed
Polypogon monspeliensis	Rabbitsfoot grass
Quercus wislizeni	Interior live oak
Rosa californica	California wild rose
Silybum marianum	Milk thistle
Sorghum halepense	Johnsongrass
Typha angustifolia	Narrow-leaved cattail

* = Invasive Species

Sunset West Preserve Area
Wildlife List

Scientific Name	Common Name
Aphelocoma californica	Western scrub-jay
Ardea alba	Great egret
Ardea herodias	Great blue heron
Buteo jamaicensis	Red-tailed hawk
Calypte anna	Anna's Hummingbird
Canis latrans	Coyote
Cathartes aura	Turkey vulture
Ceryle alcyon	Belted king fisher
Colaptes auratus	Northern flicker
Columba livia	Rock Pigeon
Corvus brachyrhynchos	American crow
Euphagus cyanocephalus	Brewer’s blackbird
Haemorhous mexicanus	House finch
Junco hyemalis	Dark-eyed Junco
Lampropeltis	King snake
Lepus californicus	Black-tailed jackrabbit
Megaceryle alcyon	Belted Kingfisher
Melanerpes formicivorus	Acorn Woodpecker
Mimus polyglottos	Northern mockingbird
Passer domesticus	House sparrow
Passerculus sandwichensis	Savannah sparrow
Phasianus colchicus	Ring-necked pheasant
Pipilo maculatus	Spotted Towhee
Procyon lotor	Raccoon
Sayornis nigricans	Black phoebe
Sceloporus occidentalis	Western fence lizard
Turdus migratorius	American robin
Zenaida macroura	Mourning dove

Whitney Ranch Preserve Area

Plant List

Scientific Name	Common Name
**Avena fatua*	Wild oat
**Brassica rapa*	Field mustard
**Bromus diandrus*	Ripgut grass
**Bromus hordeaceus*	Soft chess
**Carduus pycnocephalus*	Italian thistle
**Centaurea solstitialis*	Yellow star thistle
**Elymus caput-medusae*	Medusahead
**Festuca perennis*	Rye grass
**Ficus carica*	Edible fig
**Foeniculum vulgare*	Sweet fennel
**Galium aparine*	Common bedstraw
**Plantago lanceolata*	English plantain
**Pyrus calleryana*	Callery pear
**Raphanus sativus*	Wild radish
**Rubus armeniacus*	Himalayan blackberry
**Rumex crispus*	Curly dock
**Triadica sebifera*	Chinese tallowtree
**Trifolium dubium*	Little hop clover
**Trifolium hirtum*	Rose clover
Acmispon (L. purshianus)	Spanish lotus
Avena fatua	Cultivated Oat
Baccharis pilularis	Coyote brush
Centromadia fitchii	Spikeweed
Croton Setigerus	Turkey-mullein
Cyperus eragrostis	Nutsedge
Datura sp.	Jimson weed
Eleocharis macrostachya	Spikerush
Epilobium ciliatum	Willowherb
Holocarpha virgata	Tarweed
Hordeum marinum	Mediterranean barley
Juncus patens	Spreading rush
Lactuca serriola	Prickly lettuce
Mentha pulegium	Pennyroyal
Paspalum dilatatum	Dallis grass
Polygonum sp.	Knotweed
Polypogon monspeliensis	Rabbitsfoot grass
Populus fremontii ssp. fremontii	Fremont cottonwood
Salix laevigata	Red willow
Trichostema lanceolatum	Vinegar weed
Typha angustifolia	Narrow-leaved cattail

* = Invasive Species

Whitney Ranch Preserve Area
Wildlife List

Scientific Name	Common Name
Melanerpes formicivorus	Acorn woodpecker
Tyto alba	Barn owl
Aphelocoma californica	Western scrub-jay
Ardea alba	Great egret
Ardea herodias	Great blue heron
Buteo jamaicensis	Red-tailed hawk
Calypte anna	Anna's hummingbird
Canis latrans	Coyote
Cathartes aura	Turkey vulture
Colaptes auratus	Northern flicker
Columba livia	Rock dove
Elgaria multicarinata	Southern alligator lizard
Lampropeltis	King snake
Lepus californicus	Black-tiled jack Rabbit
Lithobates catesbeianus	Bull frog
Masticophis lateralis	California whipsnake
Mimus polyglottos	Mockingbird
Phasianus colchicus	Ring- necked pheasant
Sayornis nigricans	Black phoebe
Sceloporus occidentalis	Western fence lizard
Zenaida macroura	Mourning dove

Appendix D — Vernal Pool Invertebrate Survey Datasheets

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595
Weather Conditions: clear, breezy, and cool

Date: 02/05/16
Collectors: JMZ, MMB2
Range: 6E

Quad: Roseville & Rocklin
Time: 8:00 AM - 4:30 PM
Section: 1-3, 10-15
Air Temp: 54°F

Vernal Pool #	Water Temp. (°C)	Water Depth (cm)	Estimated Maximum Depth (cm)	Present Surface Area (mxm)	Percent inundation	Photo #	Crustacea							Turbellaria Flatworms	Insecta				Notes
							Anostraca		Notostraca						Coleoptera		Hemiptera	Diptera	
							Vernal Pool Fairy Shrimp (B. lynchi)	California Linderiella	Vernal Pool Tadpole Shrimp	Cladocera (Water Fleas)	Conchostraca (Clam Shrimps)	Copepoda (Copepods)	Ostracoda (Seed Shrimp)		Dytiscidae (Diving Water Beetles)	Haliplidae (Crawling Water Beetles)	Notonectidae (Backswimmers)	Chironomidae (Midge)	
Orchard Creek																			
1	18				70%	25								x	x			x	
2	17	23	33	3x2	90%	23							x	x	x				
3	19	5	8	3x3	60%	22							x	x	x	x			
Stanford Ranch																			
5	14	5	10	6x2	40%	J2				x				x				x	Spider
6	14		3	1x1	20%	J3									x				
7	14	5	8	3x2	75%	J4					x	x		x					
8	14	8	10	4x2	50%	J5								x					
9	14	18	28	8x5	95%	J6				x			x	x	x				SCF Tadpoles
10				0x0	0%	J7													Dry
11	14	15	20	11x6	95%	J9				x		x	x	x	x				SCF Tadpoles
13				0x0	0%	J8													Dry
14	19	8	10	6x5	90%	21								x	x				
15	18	8	10	8x8	90%	20									x	x		x	
16	16	3	3	1x1	30%	5								x					
17	16	3	3	1x1	10%	4							x						
18	16	3	5	2x1	75%	6								x	x				
19	15	5	8	4x2	75%	7								x	x				

SCF = Sierran Chorus Frog

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595
Weather Conditions: clear, breezy, and cool

Date: 02/05/16
Collectors: JMZ, MMB2
Range: 6E

Quad: Roseville & Rocklin
Time: 8:00 AM - 4:30 PM
Section: 1-3, 10-15
Air Temp: 54°F

Vernal Pool #	Water Temp. (°C)	Water Depth (cm)	Estimated Maximum Depth (cm)	Present Surface Area (mxm)	Percent inundation	Photo #	Crustacea							Turbellaria Flatworms	Insecta				Notes
							Anostraca		Notostraca						Coleoptera		Hemiptera	Diptera	
							Vernal Pool Fairy Shrimp (B. lynchi)	California Linderiella	Vernal Pool Tadpole Shrimp	Cladocera (Water Fleas)	Conchostraca (Clam Shrimps)	Copepoda (Copepods)	Ostracoda (Seed Shrimp)		Dytiscidae (Diving Water Beetles)	Haliplidae (Crawling Water Beetles)	Notonectidae (Backswimmers)	Chironomidae (Midge)	
Stanford Ranch																			
20	15	8	13	8x2	65%	8								x	x				
21	15	3	5	14x4	75%	16								x	x	x			
22	16	3	8	2x0	25%	11							x					x	
23	15	8	10	2x2	35%	12								x	x				
24	15	10	13	9x9	60%	13							x	x					SCF Tadpoles
25	15	5	8	3x2	20%	14								x	x			x	
26	15	10	13	3x3	85%	1								x	x				
27	16	3	5	2x1	50%	9								x					
28	14	13	20	2x2	75%	2							x	x				x	
29				0x0	--	3													
30	16	18	23	3x3	90%	17				x			x		x	x			
31	15	5	8	3x1	25%	15								x					Spider
32				0x0	--	10													
33	16	18	25	8x2	75%	19								x	x				
Sunset West																			
34	22	13	20	30x6	100%	44				x		x		x		x			SCF Tadpoles, frog & eggs
35	26	8	13	6x1	50%	45							x	x					
36						37													Dry

SCF = Sierran Chorus Frog

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595
Weather Conditions: clear, breezy, and cool

Date: 02/05/16
Collectors: JMZ, MMB2
Range: 6E

Quad: Roseville & Rocklin
Time: 8:00 AM - 4:30 PM
Section: 1-3, 10-15
Air Temp: 54°F

Vernal Pool #	Water Temp. (°C)	Water Depth (cm)	Estimated Maximum Depth (cm)	Present Surface Area (mxm)	Percent inundation	Photo #	Crustacea							Turbellaria Flatworms	Insecta				Notes
							Anostraca		Notostraca						Coleoptera		Hemiptera	Diptera	
							Vernal Pool Fairy Shrimp (B. lynchi)	California Linderiella	Vernal Pool Tadpole Shrimp	Cladocera (Water Fleas)	Conchostraca (Clam Shrimps)	Copepoda (Copepods)	Ostracoda (Seed Shrimp)		Dytiscidae (Diving Water Beetles)	Haliplidae (Crawling Water Beetles)	Notonectidae (Backswimmers)	Chironomidae (Midge)	
Sunset West																			
37						38													Dry
38	20	18	23	12x6	95%	34				x		x	x	x					
39	21	5	8	6x6	100%	31								x		x			
40	18	15	25	12x6	100%	30				x		x		x					
41	21	8	10	8x5	65%	28				x				x	x	x			
42	22	10	13	8x1	85%	29				x				x	x			x	
43						35													Dry
44	21	10	15	6x6	85%	33				x		x		x					
45	19				70%	26							x	x					
46	22		10	1x1	100%	27							x	x					
47	21	10	15	12x12	95%	39				x		x		x				x	
48	20	15	23	4x2	100%	42						x	x	x	x				
49	21	10	13	5x2	75%	43													SCF Tadpoles, frog & eggs
50	22		3		100%	36						x	x			x			
51	22	8	18	5x3	100%	32							x	x					
52	22	10	18	12x6	55%	41							x	x		x			
53						40													Dry
61	21	13	18	11x8	60%	47				x				x	x				SCF Tadpoles

SCF = Sierran Chorus Frog

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595
Weather Conditions: clear

Date: 02/09/16
Collectors: JMZ
Range: 6E

Quad: Roseville & Rocklin
Time: 11:00 AM
Section: 1-3, 10-15
Air Temp: 64°F

Vernal Pool #	Water Temp. (°C)	Water Depth (cm)	Estimated Maximum Depth (cm)	Present Surface Area (mxm)	Percent inundation (%)	Photo #	Crustacea							Turbellaria Flatworms	Insecta				Notes
							Anostraca		Notostraca						Coleoptera		Hemiptera	Diptera	
							Vernal Pool Fairy Shrimp (B. lynchi)	California Linderiella	Vernal Pool Tadpole Shrimp	Cladocera (Water Fleas)	Conchostraca (Clam Shrimps)	Copepoda (Copepods)	Ostracoda (Seed Shrimp)		Dytiscidae (Diving Water Beetles)	Haliplidae (Crawling Water Beetles)	Notonectidae (Backswimmers)	Chironomidae (Midge)	
Sunset West																			
54	22	15	18	8x6	20%	6	1000's						x	x					SCF Tadpoles
55																			Dry
56						4													Dry
57	21	10	13	11x6	20%	3				x	x		x	x					SCF Tadpoles
58	21	13	18	6x6	20%	2				x		x	x	x					SCF
59	20	5	8	5x5	15%	1				x			x	x	x				SCF
60	22	15	23	12x9	30%	7						x			x				SCF Tadpoles

SCF = Sierran Chorus Frog

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595
Weather Conditions: clear

Date: 02/26/16
Collectors: KEB
Range: 6E

Quad: Roseville & Rocklin
Time:
Section: 1-3, 10-15
Air Temp: 72°F

Vernal Pool #	Water Temp. (°C)	Water Depth (cm)	Estimated Maximum Depth (cm)	Present Surface Area (mxm)	Percent inundation	Photo #	Crustacea							Turbellaria Flatworms	Insecta				Notes
							Anostraca		Notostraca						Coleoptera		Hemiptera	Diptera	
							Vernal Pool Fairy Shrimp (B. lynchi)	California Linderiella	Vernal Pool Tadpole Shrimp	Cladocera (Water Fleas)	Conchostraca (Clam Shrimps)	Copepoda (Copepods)	Ostracoda (Seed Shrimp)		Dytiscidae (Diving Water Beetles)	Haliplidae (Crawling Water Beetles)	Notonectidae (Backswimmers)	Chironomidae (Midge)	
Sunset West																			
34	21	13	18	37x8	85%	20				X		X	X	X	X				SCF Tadpoles
36						8													Dry
37						7													Dry
38	21	15	20	6x6	90%	N/A													
39						14													Dry
40	21	30	36	11x5	85%	12				X		X	X	X		X		X	SCF
41						11													Dry
42	22	8	13	3x2	100%	10				X		X	X	X		X		X	
43						15													Dry
44						16													Dry
45	<1"					1													
46						2													Dry
47						6													Dry
48	21	10	18	6x3	85%	3				X		X	X	X		X		X	
49						19													Dry
50						9													Dry
51	21	10	20	3x2	60%	13				X		X	X	X				X	SCF Tadpoles
52						4													Dry

SCF = Sierran Chorus Frog

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595
Weather Conditions: clear

Date: 02/26/16
Collectors: KEB
Range: 6E

Quad: Roseville & Rocklin
Time:
Section: 1-3, 10-15
Air Temp: 72°F

Sunset West																			
53						5													Dry
54						22													Dry
55	21	10	15	9x6	90%	21				X		X	X	X				X	SCF Tadpoles
56						18													Dry
57	21	8	15	6x3	80%	23				X		X	X	X				X	SCF Tadpoles
58	21	15	18	6x6	90%	24				X		X	X	X		X		X	SCF Tadpoles
59																			Dry
60	21	23	28	9x6	90%	25				X		X	X	X			X	X	SCF Tadpoles

SCF = Sierran Chorus Frog

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595
Weather Conditions: clear

Date: 03/15/16
Collectors: MMB
Range: 6E

Quad: Roseville & Rocklin
Time: 1:50:00 PM - 13:50 PM
Section: 1-3, 10-15
Air Temp: 60°F

Vernal Pool #	Water Temp. (°C)	Water Depth (cm)	Estimated Maximum Depth (cm)	Present Surface Area (mxm)	Percent inundation	Photo #	Crustacea							Turbellaria Flatworms	Insecta				Notes
							Anostraca		Notostraca						Coleoptera		Hemiptera	Diptera	
							Vernal Pool Fairy Shrimp (B. lynchi)	California Linderiella	Vernal Pool Tadpole Shrimp	Cladocera (Water Fleas)	Conchostraca (Clam Shrimps)	Copepoda (Copepods)	Ostracoda (Seed Shrimp)		Dytiscidae (Diving Water Beetles)	Haliplidae (Crawling Water Beetles)	Notonectidae (Backswimmers)	Chironomidae (Midge)	
Orchard Creek																			
1	16	15	25	11x2	100%	3						X		X	X	X		X	Spider
2	11	25	46	5x5	100%	2				X		X	X	X	X			X	
3	17	10	18	9x8	110%	1								X					Spider
4	17	8	13	6x5	80%	4												X	Spider

SCF = Sierran Chorus Frog

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595

Date: 03/16/16
Collectors: MMB
Range: 6E

Quad: Roseville & Rocklin
Time: 10:25 AM
Section: 1-3, 10-15
Air Temp: 56°F

Weather Conditions:

Vernal Pool #	Water Temp. (°C)	Water Depth (cm)	Estimated Maximum Depth (cm)	Present Surface Area (mxm)	Percent inundation	Photo #	Crustacea							Turbellaria Flatworms	Insecta				Notes
							Anostraca		Notostraca						Coleoptera		Hemiptera	Diptera	
							Vernal Pool Fairy Shrimp (B. lynchi)	California Linderiella	Vernal Pool Tadpole Shrimp	Cladocera (Water Fleas)	Conchostraca (Clam Shrimps)	Copepoda (Copepods)	Ostracoda (Seed Shrimp)		Dytiscidae (Diving Water Beetles)	Haliplidae (Crawling Water Beetles)	Notonectidae (Backswimmers)	Chironomidae (Midge)	
Stanford Ranch																			
5	21	25	41	49x37	100%	28							X	X	X			X	Water Fowl & Spider
6	20	3	5	4x2	40%	20								X	X				
7	16	15	23	8x8	100%	21													
8	16	15	23	10x7	100%	22									X			X	Spider
9	14	18	33	14x9	100%	23							X	X	X		X	X	SCF Tadpoles
10	19	8	13	7x5	100%	24													
11	16	15	23	35x14	100%	26				X			X	X	X		X	X	SCF Tadpoles
12	21	8	10	18x9	90%	29							X	X	X				
13	19	5	8	3x2	100%	25								X				X	Spider
14	21	10	15	8x6	100%	30	100s												Spider
15	20	10	13	12x12	100%	31									X				Spider
16	17	5	8	5x2	85%	17								X					Spider
17	16	5	10	4x2	90%	18							X	X					Spider
18	16	8	13	8x6	98%	19								X	X	X		X	Spider
19	16	5	10	9x7	85%	16								X				X	Spider
20	13	8	15	9x5	85%	15							X		X			X	Spider
21	14	5	10	21x5	80%	6							X	X		X		X	
22	14	5	8	5x2	98%	13													

SCF = Sierran Chorus Frog

INVERTEBRATE SAMPLING DATA

Project Site: Rocklin Open Space
County: Placer
Township: 11 North
Permit #: TE-810380-5, TE-185595

Date: 03/16/16
Collectors: MMB
Range: 6E

Quad: Roseville & Rocklin
Time: 10:25 AM
Section: 1-3, 10-15
Air Temp: 56°F

Weather Conditions:

Stanford Ranch																			
23	14	10	15	9x6	98%	12							X	X	X			X	Spider
24	14	10	15	12x11	95%	10								X	X			X	Spider
25	14	5	10	6x5	90%	9								X				X	
26	12	13	20	8x6	100%	4												X	Spider
27	15	3	8	5x2	80%	14													Spider
28	12	5	10	8x5	100%	5									X				Spider
29	13	10	15	9x7	100%	--							X	X				X	Spider
30	12	25	51	7x7	100%	7									X		X		SCF
31	16	5	5	6x2	100%	8									X			X	Spider
32	15	5	10	4x2	95%	11							X						
Sunset West																			
61	10	20	30	11x9	105%	1							X		X	X	X	X	SCF Tadpoles
62	9	15	20	11x11	100%	3												X	Spider

SCF = Sierran Chorus Frog

Appendix E — Vernal Pool Floristic Datasheets

2016 Plant Species Frequency for Rocklin - Orchard Creek

Species	Frequency
Aira caryophyllea	25.00%
Anagallis arvensis	50.00%
Avena sp.	75.00%
Briza minor	25.00%
Crassula aquatica	100.00%
Downingia ornatissima	100.00%
Eleocharis macrostachya	50.00%
Erodium botrys	25.00%
Eryngium vaseyi	100.00%
Hordeum marinum	25.00%
Hordeum murinum	75.00%
Lasthenia fremontii	25.00%
Leontodon saxatilis	75.00%
Lepidium latipes	25.00%
Lotus purshianus	25.00%
Lupinus bicolor	75.00%
Plagiobothrys stipitatus	100.00%
Psilocarphus brevissimus	25.00%
Ranunculus aquatilis	100.00%
Trifolium depauperatum	75.00%
Triteleia hyacinthina	25.00%
Vicia sp.	25.00%

2016 Monitoring Summary for Rocklin - Orchard Creek

Wetland	Cover	PI	CVVP Species	CVVP Cover	Species Richness	Native Species	Non-Native Species	Non-Native Cover
VP001	98%	2.52	5 (41.67%)	36.87%	12	8	4	43.32%
VP002	90%	1.55	6 (60.00%)	89.33%	10	8	2	5.33%
VP003	100%	1.56	7 (50.00%)	82.13%	14	10	4	13.79%
VP004	98%	3.05	4 (30.77%)	42.77%	13	7	6	49.71%

Species	Cover Class
Anagallis arvensis	1
Avena sp.	1
Crassula aquatica	1
Downingia ornatissima	1
Eleocharis macrostachya	2
Eryngium vaseyi	1
Hordeum murinum	1
Leontodon saxatilis	3
Lupinus bicolor	1
Plagiobothrys stipitatus	2
Ranunculus aquatilis	2
Trifolium depauperatum	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	2.52
CRAM Richness:	5
CRAM Cover:	36.87%
% CVVP Species:	41.67%
CVVP Cover:	36.87%
Species Richness:	12
Native Species:	8
Non-Native Species:	4
Non-Native Cover:	43.32%

Wetland: VP002

Species	Cover Class
Aira caryophyllea	1
Briza minor	1
Crassula aquatica	1
Downingia ornatissima	1
Eleocharis macrostachya	2
Eryngium vaseyi	3
Plagiobothrys stipitatus	3
Ranunculus aquatilis	1
Trifolium depauperatum	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	90%
Prevalence Index:	1.55
CRAM Richness:	5
CRAM Cover:	86.67%
% CVVP Species:	60.00%
CVVP Cover:	89.33%
Species Richness:	10
Native Species:	8
Non-Native Species:	2
Non-Native Cover:	5.33%

Species	Cover Class
Anagallis arvensis	1
Avena sp.	0
Crassula aquatica	1
Downingia ornatissima	2
Eryngium vaseyi	2
Hordeum murinum	1
Lasthenia fremontii	4
Leontodon saxatilis	2
Lepidium latipes	2
Lupinus bicolor	0
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	1
Ranunculus aquatilis	1
Trifolium depauperatum	1

Statistics	
Vegetative Cover:	100%
Prevalence Index:	1.56
CRAM Richness:	6
CRAM Cover:	72.41%
% CVVP Species:	50.00%
CVVP Cover:	82.13%
Species Richness:	14
Native Species:	10
Non-Native Species:	4
Non-Native Cover:	13.79%

Species	Cover Class
Avena sp.	1
Crassula aquatica	1
Downingia ornatissima	2
Erodium botrys	1
Eryngium vaseyi	1
Hordeum marinum	1
Hordeum murinum	2
Leontodon saxatilis	2
Lotus purshianus	1
Lupinus bicolor	1
Plagiobothrys stipitatus	2
Ranunculus aquatilis	0
Vicia sp.	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	3.05
CRAM Richness:	4
CRAM Cover:	42.77%
% CVVP Species:	30.77%
CVVP Cover:	42.77%
Species Richness:	13
Native Species:	7
Non-Native Species:	6
Non-Native Cover:	49.71%

2016 Plant Species Frequency for Rocklin - Stanford Ranch

Species	Frequency
Aira caryophyllea	6.90%
Avena sp.	10.34%
Briza minor	24.14%
Brodiaea elegans	6.90%
Brodiaea sp.	3.45%
Bromus hordeaceus	3.45%
Callitriche heterophylla	6.90%
Castilleja campestris	3.45%
Centromadia fitchii	3.45%
Cicendia quadrangularis	27.59%
Convolvulus arvensis	3.45%
Crassula aquatica	24.14%
Deschampsia danthonioides	24.14%
Downingia bicornuta	13.79%
Downingia ornatissima	55.17%
Eleocharis acicularis	10.34%
Eleocharis macrostachya	68.97%
Elymus caput-medusae	37.93%
Epilobium sp.	3.45%
Erodium botrys	37.93%
Eryngium vaseyi	51.72%
Festuca bromoides	20.69%
Festuca myuros	6.90%
Festuca perennis	48.28%
Geranium dissectum	6.90%
Geranium sp.	3.45%
Gratiola ebracteata	6.90%
Gratiola heterosepala	3.45%
Holocarpha virgata	13.79%
Hordeum marinum	68.97%
Hypochaeris glabra	10.34%
Isoetes orcuttii	3.45%
Juncus bufonius	20.69%
Lasthenia fremontii	79.31%
Lasthenia glaberrima	13.79%
Leontodon saxatilis	72.41%
Lepidium nitidum	3.45%
Lupinus bicolor	3.45%
Lythrum hyssopifolium	27.59%
Mentha sp.	3.45%
Navarretia leucocephala	6.90%
Pilularia americana	13.79%
Plagiobothrys stipitatus	79.31%
Pogogyne zizyphoroides	10.34%
Polygonum sp.	3.45%
Polypogon monspeliensis	3.45%
Psilocarphus brevissimus	51.72%
Ranunculus bonariensis	41.38%
Rumex crispus	13.79%
Rumex pulcher	3.45%
Trichostema lanceolatum	3.45%
Trifolium depauperatum	51.72%
Trifolium dubium	6.90%
Trifolium sp.	3.45%
Trifolium variegatum	27.59%
Triglochin scilloides	3.45%

2016 Plant Species Frequency for Rocklin - Stanford Ranch

Species	Frequency
Triphysaria eriantha	10.34%
Triteleia hyacinthina	51.72%
Vicia sp.	6.90%

2016 Monitoring Summary for Rocklin - Stanford Ranch

Wetland	Cover	PI	CVVP Species	CVVP Cover	Species Richness	Native Species	Non-Native Species	Non-Native Cover
VP005	90%	2.48	9 (52.94%)	51.29%	17	10	7	47.31%
VP006	98%	3.82	3 (25.00%)	4.06%	12	5	7	92.39%
VP007	98%	1.68	8 (72.73%)	75.39%	11	9	2	24.22%
VP008	95%	1.42	7 (77.78%)	95.54%	9	7	2	4.46%
VP009	98%	1.11	10 (90.91%)	98.16%	11	11	0	0.00%
VP010	96%	3.54	4 (44.44%)	21.88%	9	7	2	70.09%
VP011	90%	1.03	9 (81.82%)	98.14%	11	9	2	1.86%
VP012	99%	2.57	8 (40.00%)	39.53%	20	11	9	56.24%
VP013	90%	2.56	0 (0.00%)	0.00%	8	2	6	93.62%
VP014	96%	1.85	8 (61.54%)	75.34%	13	9	4	21.97%
VP015	98%	1.74	9 (56.25%)	78.65%	16	11	5	12.76%
VP016	95%	3.43	4 (28.57%)	17.32%	14	6	8	79.92%
VP017	95%	2.41	5 (45.45%)	53.51%	11	6	5	44.28%
VP018	95%	2.61	5 (33.33%)	26.67%	15	9	6	58.67%
VP019	87%	1.87	9 (56.25%)	64.22%	16	11	5	32.26%
VP020	90%	1.17	9 (64.29%)	93.57%	14	12	2	3.08%
VP021	100%	2.88	4 (23.53%)	8.99%	17	7	10	78.65%
VP022	95%	2.22	5 (41.67%)	57.24%	12	7	5	40.40%
VP023	98%	1.20	9 (75.00%)	94.74%	12	10	2	4.61%
VP024	98%	2.08	6 (46.15%)	43.75%	13	9	4	41.32%
VP025	100%	2.73	4 (40.00%)	12.31%	10	6	4	81.54%
VP026	98%	2.58	6 (42.86%)	29.03%	14	7	7	68.82%
VP027	90%	2.51	5 (45.45%)	41.91%	11	7	4	47.40%
VP028	95%	2.19	7 (53.85%)	59.70%	13	10	3	33.46%
VP029	55%	1.31	8 (88.89%)	97.73%	9	8	1	2.27%
VP030	100%	2.00	1 (50.00%)	14.98%	2	1	1	85.02%
VP031	97%	1.78	7 (43.75%)	58.70%	16	10	6	27.54%
VP032	95%	2.38	6 (54.55%)	45.09%	11	8	3	44.22%
VP033	95%	1.31	6 (50.00%)	84.51%	12	8	4	13.13%

Species	Cover Class
Convolvulus arvensis	1
Crassula aquatica	1
Downingia ornatissima	1
Eleocharis acicularis	3
Erodium botrys	1
Eryngium vaseyi	1
Geranium dissectum	0
Gratiola ebracteata	2
Hordeum marinum	3
Hypochaeris glabra	3
Lasthenia fremontii	3
Lythrum hyssopifolium	2
Plagiobothrys stipitatus	1
Psilocarphus brevissimus	1
Ranunculus bonariensis	1
Rumex crispus	1
Trifolium variegatum	1

Statistics	
Vegetative Cover:	90%
Prevalence Index:	2.48
CRAM Richness:	8
CRAM Cover:	33.49%
% CVVP Species:	52.94%
CVVP Cover:	51.29%
Species Richness:	17
Native Species:	10
Non-Native Species:	7
Non-Native Cover:	47.31%

Species	Cover Class
Briza minor	1
Deschampsia danthonioides	1
Downingia bicornuta	0
Elymus caput-medusae	2
Festuca bromoides	1
Festuca perennis	1
Holocarpha virgata	0
Hordeum marinum	1
Juncus bufonius	1
Leontodon saxatilis	4
Lythrum hyssopifolium	0
Triteleia hyacinthina	0

Statistics	
Vegetative Cover:	98%
Prevalence Index:	3.82
CRAM Richness:	2
CRAM Cover:	3.55%
% CVVP Species:	25.00%
CVVP Cover:	4.06%
Species Richness:	12
Native Species:	5
Non-Native Species:	7
Non-Native Cover:	92.39%

Species	Cover Class
Crassula aquatica	1
Deschampsia danthonioides	1
Downingia bicornuta	2
Eryngium vaseyi	1
Hordeum marinum	2
Juncus bufonius	0
Lasthenia fremontii	3
Leontodon saxatilis	2
Navarretia leucocephala	2
Psilocarphus brevissimus	2
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.68
CRAM Richness:	7
CRAM Cover:	73.05%
% CVVP Species:	72.73%
CVVP Cover:	75.39%
Species Richness:	11
Native Species:	9
Non-Native Species:	2
Non-Native Cover:	24.22%

Species	Cover Class
Crassula aquatica	1
Deschampsia danthonioides	1
Downingia bicornuta	2
Eryngium vaseyi	3
Hordeum marinum	1
Lasthenia fremontii	3
Leontodon saxatilis	1
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	2

Statistics	
Vegetative Cover:	95%
Prevalence Index:	1.42
CRAM Richness:	7
CRAM Cover:	95.54%
% CVVP Species:	77.78%
CVVP Cover:	95.54%
Species Richness:	9
Native Species:	7
Non-Native Species:	2
Non-Native Cover:	4.46%

Species	Cover Class
Crassula aquatica	1
Deschampsia danthonioides	1
Eleocharis macrostachya	2
Eryngium vaseyi	1
Isoetes orcuttii	1
Lasthenia fremontii	3
Pilularia americana	2
Plagiobothrys stipitatus	3
Psilocarphus brevissimus	1
Ranunculus bonariensis	3
Trichostema lanceolatum	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.11
CRAM Richness:	10
CRAM Cover:	98.16%
% CVVP Species:	90.91%
CVVP Cover:	98.16%
Species Richness:	11
Native Species:	11
Non-Native Species:	0
Non-Native Cover:	0.00%

Species	Cover Class
Avena sp.	2
Brodiaea sp.	1
Downingia bicornuta	1
Eryngium vaseyi	1
Holocarpha virgata	1
Juncus bufonius	1
Lasthenia fremontii	2
Leontodon saxatilis	4
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	96%
Prevalence Index:	3.54
CRAM Richness:	3
CRAM Cover:	19.20%
% CVVP Species:	44.44%
CVVP Cover:	21.88%
Species Richness:	9
Native Species:	7
Non-Native Species:	2
Non-Native Cover:	70.09%

Species	Cover Class
Crassula aquatica	2
Downingia ornatissima	3
Eleocharis macrostachya	2
Gratiola heterosepala	2
Hypochaeris glabra	0
Lasthenia fremontii	3
Lythrum hyssopifolium	1
Navarretia leucocephala	2
Pilularia americana	2
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	2

Statistics	
Vegetative Cover:	90%
Prevalence Index:	1.03
CRAM Richness:	9
CRAM Cover:	98.14%
% CVVP Species:	81.82%
CVVP Cover:	98.14%
Species Richness:	11
Native Species:	9
Non-Native Species:	2
Non-Native Cover:	1.86%

Species	Cover Class
Centromadia fitchii	1
Downingia ornatissima	2
Eleocharis macrostachya	1
Elymus caput-medusae	1
Eryngium vaseyi	1
Festuca myuros	1
Festuca perennis	3
Hordeum marinum	1
Hypochaeris glabra	2
Lasthenia fremontii	3
Leontodon saxatilis	3
Lupinus bicolor	1
Plagiobothrys stipitatus	2
Pogogyne zizyphoroides	1
Polypogon monspeliensis	0
Psilocarphus brevissimus	1
Rumex crispus	2
Trifolium sp.	1
Trifolium variegatum	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	99%
Prevalence Index:	2.57
CRAM Richness:	7
CRAM Cover:	38.12%
% CVVP Species:	40.00%
CVVP Cover:	39.53%
Species Richness:	20
Native Species:	11
Non-Native Species:	9
Non-Native Cover:	56.24%

Species	Cover Class
Aira caryophyllea	1
Avena sp.	0
Brodiaea elegans	1
Bromus hordeaceus	1
Festuca bromoides	4
Holocarpha virgata	1
Hordeum marinum	2
Leontodon saxatilis	1

Statistics	
Vegetative Cover:	90%
Prevalence Index:	2.56
CRAM Richness:	0
CRAM Cover:	0.00%
% CVVP Species:	0.00%
CVVP Cover:	0.00%
Species Richness:	8
Native Species:	2
Non-Native Species:	6
Non-Native Cover:	93.62%

Species	Cover Class
Downingia ornatissima	2
Elymus caput-medusae	1
Eryngium vaseyi	2
Festuca perennis	1
Hordeum marinum	1
Lasthenia fremontii	1
Lasthenia glaberrima	3
Leontodon saxatilis	2
Plagiobothrys stipitatus	1
Pogogyne zizyphoroides	1
Psilocarphus brevissimus	1
Trifolium depauperatum	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	96%
Prevalence Index:	1.85
CRAM Richness:	7
CRAM Cover:	72.65%
% CVVP Species:	61.54%
CVVP Cover:	75.34%
Species Richness:	13
Native Species:	9
Non-Native Species:	4
Non-Native Cover:	21.97%

Species	Cover Class
Brodiaea elegans	2
Downingia ornatissima	2
Eleocharis macrostachya	2
Elymus caput-medusae	1
Erodium botrys	1
Eryngium vaseyi	3
Festuca perennis	2
Hordeum marinum	1
Lasthenia fremontii	3
Lasthenia glaberrima	3
Leontodon saxatilis	1
Plagiobothrys stipitatus	1
Psilocarphus brevissimus	1
Ranunculus bonariensis	2
Trifolium variegatum	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.74
CRAM Richness:	8
CRAM Cover:	77.26%
% CVVP Species:	56.25%
CVVP Cover:	78.65%
Species Richness:	16
Native Species:	11
Non-Native Species:	5
Non-Native Cover:	12.76%

Species	Cover Class
Briza minor	0
Cicendia quadrangularis	0
Downingia ornatissima	1
Eleocharis macrostachya	2
Elymus caput-medusae	0
Erodium botrys	1
Eryngium vaseyi	0
Festuca bromoides	1
Festuca perennis	2
Hordeum marinum	0
Leontodon saxatilis	4
Plagiobothrys stipitatus	1
Trifolium depauperatum	1
Vicia sp.	2

Statistics	
Vegetative Cover:	95%
Prevalence Index:	3.43
CRAM Richness:	4
CRAM Cover:	17.32%
% CVVP Species:	28.57%
CVVP Cover:	17.32%
Species Richness:	14
Native Species:	6
Non-Native Species:	8
Non-Native Cover:	79.92%

Species	Cover Class
Briza minor	1
Downingia ornatissima	1
Eleocharis macrostachya	2
Elymus caput-medusae	2
Festuca bromoides	0
Festuca perennis	1
Lasthenia fremontii	3
Leontodon saxatilis	3
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	0
Trifolium depauperatum	1

Statistics	
Vegetative Cover:	95%
Prevalence Index:	2.41
CRAM Richness:	5
CRAM Cover:	53.51%
% CVVP Species:	45.45%
CVVP Cover:	53.51%
Species Richness:	11
Native Species:	6
Non-Native Species:	5
Non-Native Cover:	44.28%

Species	Cover Class
Avena sp.	1
Briza minor	1
Cicendia quadrangularis	0
Eleocharis macrostachya	1
Elymus caput-medusae	1
Erodium botrys	1
Festuca bromoides	3
Juncus bufonius	1
Lasthenia fremontii	2
Leontodon saxatilis	3
Plagiobothrys stipitatus	2
Ranunculus bonariensis	1
Trifolium depauperatum	2
Triphysaria eriantha	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	95%
Prevalence Index:	2.61
CRAM Richness:	4
CRAM Cover:	24.67%
% CVVP Species:	33.33%
CVVP Cover:	26.67%
Species Richness:	15
Native Species:	9
Non-Native Species:	6
Non-Native Cover:	58.67%

Species	Cover Class
Aira caryophyllea	0
Cicendia quadrangularis	1
Deschampsia danthonioides	1
Downingia ornatissima	1
Eleocharis acicularis	0
Eleocharis macrostachya	2
Elymus caput-medusae	0
Eryngium vaseyi	1
Festuca perennis	0
Hordeum marinum	3
Lasthenia fremontii	4
Leontodon saxatilis	2
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	1
Trifolium depauperatum	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	87%
Prevalence Index:	1.87
CRAM Richness:	7
CRAM Cover:	62.17%
% CVVP Species:	56.25%
CVVP Cover:	64.22%
Species Richness:	16
Native Species:	11
Non-Native Species:	5
Non-Native Cover:	32.26%

Species	Cover Class
Cicendia quadrangularis	1
Downingia ornatissima	1
Eleocharis macrostachya	3
Eryngium vaseyi	1
Hordeum marinum	1
Lasthenia fremontii	4
Leontodon saxatilis	1
Pilularia americana	2
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	3
Ranunculus bonariensis	1
Trifolium depauperatum	1
Trifolium variegatum	0
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	90%
Prevalence Index:	1.17
CRAM Richness:	8
CRAM Cover:	92.03%
% CVVP Species:	64.29%
CVVP Cover:	93.57%
Species Richness:	14
Native Species:	12
Non-Native Species:	2
Non-Native Cover:	3.08%

Species	Cover Class
Briza minor	1
Cicendia quadrangularis	0
Downingia ornatissima	1
Elymus caput-medusae	0
Erodium botrys	1
Festuca perennis	3
Hordeum marinum	3
Lasthenia fremontii	1
Leontodon saxatilis	1
Lythrum hyssopifolium	1
Plagiobothrys stipitatus	1
Rumex crispus	0
Trifolium depauperatum	0
Trifolium dubium	2
Trifolium variegatum	2
Triteleia hyacinthina	1
Vicia sp.	0

Statistics	
Vegetative Cover:	100%
Prevalence Index:	2.88
CRAM Richness:	3
CRAM Cover:	6.74%
% CVVP Species:	23.53%
CVVP Cover:	8.99%
Species Richness:	17
Native Species:	7
Non-Native Species:	10
Non-Native Cover:	78.65%

Species	Cover Class
Briza minor	0
Deschampsia danthonioides	0
Eleocharis macrostachya	4
Elymus caput-medusae	1
Erodium botrys	1
Hordeum marinum	2
Lasthenia fremontii	2
Leontodon saxatilis	3
Plagiobothrys stipitatus	1
Trifolium depauperatum	1
Triphysaria eriantha	0
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	95%
Prevalence Index:	2.22
CRAM Richness:	4
CRAM Cover:	55.22%
% CVVP Species:	41.67%
CVVP Cover:	57.24%
Species Richness:	12
Native Species:	7
Non-Native Species:	5
Non-Native Cover:	40.40%

Species	Cover Class
Crassula aquatica	1
Eleocharis macrostachya	3
Erodium botrys	0
Eryngium vaseyi	1
Hordeum marinum	1
Lasthenia fremontii	2
Lasthenia glaberrima	0
Plagiobothrys stipitatus	1
Psilocarphus brevissimus	1
Ranunculus bonariensis	1
Trifolium depauperatum	0
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.20
CRAM Richness:	8
CRAM Cover:	90.79%
% CVVP Species:	75.00%
CVVP Cover:	94.74%
Species Richness:	12
Native Species:	10
Non-Native Species:	2
Non-Native Cover:	4.61%

Species	Cover Class
Castilleja campestris	1
Downingia ornatissima	2
Eleocharis macrostachya	3
Erodium botrys	1
Festuca perennis	2
Geranium sp.	1
Hordeum marinum	3
Juncus bufonius	1
Lasthenia fremontii	1
Ranunculus bonariensis	1
Trifolium depauperatum	1
Trifolium variegatum	2
Triteleia hyacinthina	0

Statistics	
Vegetative Cover:	98%
Prevalence Index:	2.08
CRAM Richness:	5
CRAM Cover:	43.40%
% CVVP Species:	46.15%
CVVP Cover:	43.75%
Species Richness:	13
Native Species:	9
Non-Native Species:	4
Non-Native Cover:	41.32%

Species	Cover Class
Briza minor	0
Downingia ornatissima	1
Eleocharis macrostachya	1
Festuca perennis	2
Geranium dissectum	0
Hordeum marinum	4
Lasthenia fremontii	1
Plagiobothrys stipitatus	1
Trifolium depauperatum	1
Trifolium variegatum	1

Statistics	
Vegetative Cover:	100%
Prevalence Index:	2.73
CRAM Richness:	4
CRAM Cover:	12.31%
% CVVP Species:	40.00%
CVVP Cover:	12.31%
Species Richness:	10
Native Species:	6
Non-Native Species:	4
Non-Native Cover:	81.54%

Species	Cover Class
Cicendia quadrangularis	1
Eleocharis macrostachya	1
Elymus caput-medusae	1
Erodium botrys	0
Festuca perennis	3
Hordeum marinum	3
Lasthenia fremontii	2
Leontodon saxatilis	2
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	1
Ranunculus bonariensis	1
Rumex crispus	0
Trifolium dubium	0
Triteleia hyacinthina	0

Statistics	
Vegetative Cover:	98%
Prevalence Index:	2.58
CRAM Richness:	5
CRAM Cover:	28.67%
% CVVP Species:	42.86%
CVVP Cover:	29.03%
Species Richness:	14
Native Species:	7
Non-Native Species:	7
Non-Native Cover:	68.82%

Species	Cover Class
Cicendia quadrangularis	1
Eleocharis macrostachya	3
Festuca perennis	0
Hordeum marinum	2
Lasthenia fremontii	2
Leontodon saxatilis	4
Lythrum hyssopifolium	1
Plagiobothrys stipitatus	2
Pogogyne zizyphoroides	0
Psilocarphus brevissimus	1
Trifolium depauperatum	2

Statistics	
Vegetative Cover:	90%
Prevalence Index:	2.51
CRAM Richness:	5
CRAM Cover:	41.91%
% CVVP Species:	45.45%
CVVP Cover:	41.91%
Species Richness:	11
Native Species:	7
Non-Native Species:	4
Non-Native Cover:	47.40%

Species	Cover Class
Crassula aquatica	1
Deschampsia danthonioides	1
Downingia ornatissima	0
Eleocharis macrostachya	2
Erodium botrys	1
Festuca perennis	1
Juncus bufonius	1
Lasthenia fremontii	3
Leontodon saxatilis	3
Lepidium nitidum	1
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	1
Trifolium depauperatum	1

Statistics	
Vegetative Cover:	95%
Prevalence Index:	2.19
CRAM Richness:	7
CRAM Cover:	59.70%
% CVVP Species:	53.85%
CVVP Cover:	59.70%
Species Richness:	13
Native Species:	10
Non-Native Species:	3
Non-Native Cover:	33.46%

Species	Cover Class
Callitriche heterophylla	2
Eleocharis macrostachya	2
Eryngium vaseyi	3
Gratiola ebracteata	0
Lythrum hyssopifolium	1
Pilularia americana	3
Plagiobothrys stipitatus	1
Ranunculus bonariensis	1
Triglochin scilloides	2

Statistics	
Vegetative Cover:	55%
Prevalence Index:	1.31
CRAM Richness:	7
CRAM Cover:	85.98%
% CVVP Species:	88.89%
CVVP Cover:	97.73%
Species Richness:	9
Native Species:	8
Non-Native Species:	1
Non-Native Cover:	2.27%

Species	Cover Class
Eleocharis acicularis	2
Polygonum sp.	5

Statistics	
Vegetative Cover:	100%
Prevalence Index:	2.00
CRAM Richness:	0
CRAM Cover:	0.00%
% CVVP Species:	50.00%
CVVP Cover:	14.98%
Species Richness:	2
Native Species:	1
Non-Native Species:	1
Non-Native Cover:	85.02%

Species	Cover Class
Callitriche heterophylla	1
Downingia ornatissima	1
Eleocharis macrostachya	1
Erodium botrys	0
Festuca bromoides	1
Festuca perennis	2
Hordeum marinum	2
Lasthenia fremontii	2
Leontodon saxatilis	1
Lythrum hyssopifolium	0
Plagiobothrys stipitatus	2
Ranunculus bonariensis	3
Trifolium depauperatum	0
Trifolium variegatum	2
Triphysaria eriantha	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	97%
Prevalence Index:	1.78
CRAM Richness:	5
CRAM Cover:	54.35%
% CVVP Species:	43.75%
CVVP Cover:	58.70%
Species Richness:	16
Native Species:	10
Non-Native Species:	6
Non-Native Cover:	27.54%

Species	Cover Class
Downingia ornatissima	0
Eleocharis macrostachya	2
Epilobium sp.	1
Eryngium vaseyi	2
Festuca myuros	0
Hordeum marinum	3
Lasthenia glaberrima	2
Leontodon saxatilis	3
Plagiobothrys stipitatus	2
Ranunculus bonariensis	2
Trifolium depauperatum	2

Statistics	
Vegetative Cover:	95%
Prevalence Index:	2.38
CRAM Richness:	6
CRAM Cover:	45.09%
% CVVP Species:	54.55%
CVVP Cover:	45.09%
Species Richness:	11
Native Species:	8
Non-Native Species:	3
Non-Native Cover:	44.22%

Species	Cover Class
Cicendia quadrangularis	1
Downingia ornatissima	1
Eleocharis macrostachya	4
Eryngium vaseyi	1
Holocarpha virgata	0
Lasthenia fremontii	2
Leontodon saxatilis	0
Lythrum hyssopifolium	1
Mentha sp.	0
Plagiobothrys stipitatus	3
Ranunculus bonariensis	1
Rumex pulcher	2

Statistics	
Vegetative Cover:	95%
Prevalence Index:	1.31
CRAM Richness:	6
CRAM Cover:	84.51%
% CVVP Species:	50.00%
CVVP Cover:	84.51%
Species Richness:	12
Native Species:	8
Non-Native Species:	4
Non-Native Cover:	13.13%

2016 Plant Species Frequency for Rocklin - Sunset West

Species	Frequency
Aira caryophyllea	24.14%
Anagallis arvensis	13.79%
Avena sp.	3.45%
Briza minor	20.69%
Brodiaea elegans	6.90%
Bromus diandrus	3.45%
Bromus hordeaceus	3.45%
Castilleja attenuata	3.45%
Cicendia quadrangularis	10.34%
Convolvulus arvensis	6.90%
Crassula aquatica	20.69%
Croton setigerus	3.45%
Downingia bicornuta	31.03%
Downingia ornatissima	20.69%
Eleocharis acicularis	24.14%
Eleocharis macrostachya	55.17%
Elymus caput-medusae	48.28%
Erodium botrys	44.83%
Eryngium vaseyi	86.21%
Festuca myuros	3.45%
Festuca perennis	20.69%
Geranium sp.	3.45%
Gratiola ebracteata	6.90%
Hordeum marinum	68.97%
Hordeum murinum	17.24%
Juncus sp.	10.34%
Lasthenia fremontii	68.97%
Layia fremontii	3.45%
Leontodon saxatilis	65.52%
Lupinus bicolor	6.90%
Lythrum hyssopifolium	3.45%
Mentha sp.	10.34%
Navarretia intertexta	6.90%
Navarretia leucocephala	3.45%
Plagiobothrys greenei	3.45%
Plagiobothrys stipitatus	58.62%
Poa annua	6.90%
Psilocarphus brevissimus	34.48%
Ranunculus aquatilis	17.24%
Ranunculus bonariensis	31.03%
Ranunculus muricatus	10.34%
Rumex crispus	27.59%
Rumex pulcher	3.45%
Trifolium depauperatum	44.83%
Trifolium dubium	6.90%
Trifolium hirtum	10.34%
Trifolium tomentosum	3.45%
Trifolium variegatum	31.03%
Triteleia hyacinthina	20.69%
Veronica peregrina	3.45%
Vicia sp.	10.34%

2016 Monitoring Summary for Rocklin - Sunset West

Wetland	Cover	PI	CVVP Species	CVVP Cover	Species Richness	Native Species	Non-Native Species	Non-Native Cover
VP034	95%	2.38	4 (50.00%)	42.79%	8	5	3	20.67%
VP035	93%	2.88	8 (36.36%)	43.73%	22	12	10	48.93%
VP036	98%	1.49	5 (38.46%)	77.72%	13	8	5	12.95%
VP037	90%	1.86	7 (58.33%)	71.35%	12	9	3	22.40%
VP038	90%	3.28	1 (16.67%)	36.05%	6	2	4	27.91%
VP039	96%	1.63	9 (52.94%)	76.66%	17	12	5	11.94%
VP040	90%	3.11	1 (20.00%)	44.71%	5	1	4	55.29%
VP041	94%	1.45	8 (57.14%)	83.91%	14	10	4	6.33%
VP042	98%	1.56	7 (58.33%)	64.62%	12	8	4	20.75%
VP043	100%	1.14	6 (66.67%)	97.74%	9	6	3	2.26%
VP044	100%	1.63	5 (35.71%)	73.89%	14	7	7	18.62%
VP045	98%	1.78	4 (36.36%)	71.64%	11	5	6	27.86%
VP046	95%	1.37	6 (54.55%)	85.78%	11	8	3	8.53%
VP047	98%	1.35	6 (50.00%)	84.81%	12	9	3	7.59%
VP048	92%	1.80	7 (50.00%)	69.23%	14	11	3	18.68%
VP049	98%	1.54	7 (46.67%)	79.38%	15	9	6	16.25%
VP050	100%	2.06	3 (25.00%)	52.69%	12	7	5	32.93%
VP051	98%	2.10	4 (40.00%)	62.61%	10	5	5	34.78%
VP052	90%	3.72	1 (16.67%)	27.93%	6	3	3	38.74%
VP053	90%	1.56	4 (50.00%)	79.66%	8	4	4	20.34%
VP054	100%	3.23	7 (46.67%)	37.83%	15	7	8	62.17%
VP055	98%	2.67	2 (50.00%)	38.32%	4	3	1	58.88%
VP056	100%	1.80	1 (16.67%)	13.72%	6	2	4	52.65%
VP057	100%	2.68	2 (28.57%)	31.91%	7	2	5	68.09%
VP058	45%	3.45	2 (40.00%)	9.60%	5	2	3	90.40%
VP059	98%	1.92	2 (28.57%)	7.64%	7	3	4	43.95%
VP060	95%	1.54	7 (63.64%)	80.83%	11	7	4	19.17%
VP061	75%	1.16	7 (70.00%)	93.90%	10	7	3	6.10%
VP062	98%	3.11	3 (30.00%)	21.71%	10	4	6	74.86%

Species	Cover Class
Downingia bicornuta	1
Eleocharis acicularis	1
Eleocharis macrostachya	0
Elymus caput-medusae	1
Eryngium vaseyi	3
Hordeum marinum	1
Juncus sp.	3
Leontodon saxatilis	2

Statistics	
Vegetative Cover:	95%
Prevalence Index:	2.38
CRAM Richness:	3
CRAM Cover:	39.90%
% CVVP Species:	50.00%
CVVP Cover:	42.79%
Species Richness:	8
Native Species:	5
Non-Native Species:	3
Non-Native Cover:	20.67%

Species	Cover Class
Aira caryophyllea	2
Briza minor	1
Bromus hordeaceus	2
Castilleja attenuata	1
Crassula aquatica	1
Downingia bicornuta	1
Eleocharis macrostachya	3
Elymus caput-medusae	2
Erodium botrys	1
Eryngium vaseyi	1
Festuca perennis	1
Hordeum murinum	1
Lasthenia fremontii	2
Leontodon saxatilis	2
Lupinus bicolor	1
Plagiobothrys stipitatus	1
Ranunculus bonariensis	1
Rumex pulcher	1
Trifolium depauperatum	1
Trifolium variegatum	1
Triteleia hyacinthina	1
Vicia sp.	1

Statistics	
Vegetative Cover:	93%
Prevalence Index:	2.88
CRAM Richness:	7
CRAM Cover:	41.90%
% CVVP Species:	36.36%
CVVP Cover:	43.73%
Species Richness:	22
Native Species:	12
Non-Native Species:	10
Non-Native Cover:	48.93%

Species	Cover Class
Anagallis arvensis	1
Downingia bicornuta	1
Eleocharis macrostachya	1
Erodium botrys	1
Eryngium vaseyi	1
Hordeum marinum	1
Lasthenia fremontii	4
Leontodon saxatilis	1
Plagiobothrys stipitatus	1
Ranunculus aquatilis	1
Trifolium depauperatum	1
Trifolium variegatum	1
Vicia sp.	0

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.49
CRAM Richness:	5
CRAM Cover:	77.72%
% CVVP Species:	38.46%
CVVP Cover:	77.72%
Species Richness:	13
Native Species:	8
Non-Native Species:	5
Non-Native Cover:	12.95%

Species	Cover Class
Crassula aquatica	1
Downingia bicornuta	1
Eleocharis macrostachya	1
Erodium botrys	1
Eryngium vaseyi	1
Lasthenia fremontii	3
Leontodon saxatilis	2
Plagiobothrys stipitatus	1
Psilocarphus brevissimus	2
Trifolium depauperatum	1
Trifolium tomentosum	1
Trifolium variegatum	1

Statistics	
Vegetative Cover:	90%
Prevalence Index:	1.86
CRAM Richness:	7
CRAM Cover:	71.35%
% CVVP Species:	58.33%
CVVP Cover:	71.35%
Species Richness:	12
Native Species:	9
Non-Native Species:	3
Non-Native Cover:	22.40%

Species	Cover Class
Avena sp.	1
Brodiaea elegans	2
Elymus caput-medusae	1
Eryngium vaseyi	2
Festuca perennis	1
Hordeum marinum	1

Statistics	
Vegetative Cover:	90%
Prevalence Index:	3.28
CRAM Richness:	1
CRAM Cover:	36.05%
% CVVP Species:	16.67%
CVVP Cover:	36.05%
Species Richness:	6
Native Species:	2
Non-Native Species:	4
Non-Native Cover:	27.91%

Species	Cover Class
Aira caryophyllea	1
Cicendia quadrangularis	2
Downingia ornatissima	0
Eleocharis macrostachya	3
Elymus caput-medusae	0
Erodium botrys	1
Eryngium vaseyi	1
Hordeum marinum	0
Lasthenia fremontii	4
Leontodon saxatilis	2
Navarretia intertexta	1
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	1
Ranunculus bonariensis	2
Trifolium depauperatum	1
Trifolium variegatum	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	96%
Prevalence Index:	1.63
CRAM Richness:	8
CRAM Cover:	75.07%
% CVVP Species:	52.94%
CVVP Cover:	76.66%
Species Richness:	17
Native Species:	12
Non-Native Species:	5
Non-Native Cover:	11.94%

Species	Cover Class
Elymus caput-medusae	1
Eryngium vaseyi	3
Hordeum marinum	1
Leontodon saxatilis	3
Trifolium dubium	1

Statistics	
Vegetative Cover:	90%
Prevalence Index:	3.11
CRAM Richness:	1
CRAM Cover:	44.71%
% CVVP Species:	20.00%
CVVP Cover:	44.71%
Species Richness:	5
Native Species:	1
Non-Native Species:	4
Non-Native Cover:	55.29%

Species	Cover Class
Aira caryophyllea	1
Downingia ornatissima	1
Eleocharis macrostachya	2
Erodium botrys	1
Eryngium vaseyi	2
Gratiola ebracteata	1
Lasthenia fremontii	5
Leontodon saxatilis	1
Lythrum hyssopifolium	1
Plagiobothrys stipitatus	2
Psilocarphus brevissimus	1
Ranunculus bonariensis	2
Trifolium depauperatum	2
Trifolium variegatum	1

Statistics	
Vegetative Cover:	94%
Prevalence Index:	1.45
CRAM Richness:	8
CRAM Cover:	83.91%
% CVVP Species:	57.14%
CVVP Cover:	83.91%
Species Richness:	14
Native Species:	10
Non-Native Species:	4
Non-Native Cover:	6.33%

Species	Cover Class
Briza minor	1
Crassula aquatica	1
Downingia bicornuta	1
Eleocharis macrostachya	1
Eryngium vaseyi	1
Festuca perennis	0
Hordeum marinum	1
Lasthenia fremontii	3
Leontodon saxatilis	2
Plagiobothrys stipitatus	1
Psilocarphus brevissimus	2
Ranunculus aquatilis	2

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.56
CRAM Richness:	7
CRAM Cover:	64.62%
% CVVP Species:	58.33%
CVVP Cover:	64.62%
Species Richness:	12
Native Species:	8
Non-Native Species:	4
Non-Native Cover:	20.75%

Species	Cover Class
Eleocharis macrostachya	2
Eryngium vaseyi	2
Hordeum marinum	1
Lasthenia fremontii	5
Leontodon saxatilis	0
Plagiobothrys stipitatus	3
Ranunculus bonariensis	2
Trifolium hirtum	0
Triteleia hyacinthina	0

Statistics	
Vegetative Cover:	100%
Prevalence Index:	1.14
CRAM Richness:	5
CRAM Cover:	97.46%
% CVVP Species:	66.67%
CVVP Cover:	97.74%
Species Richness:	9
Native Species:	6
Non-Native Species:	3
Non-Native Cover:	2.26%

Species	Cover Class
Aira caryophyllea	1
Eleocharis macrostachya	3
Elymus caput-medusae	2
Erodium botrys	1
Eryngium vaseyi	1
Hordeum marinum	2
Lasthenia fremontii	5
Leontodon saxatilis	1
Plagiobothrys stipitatus	3
Poa annua	1
Ranunculus bonariensis	2
Rumex crispus	1
Trifolium depauperatum	1
Trifolium variegatum	2

Statistics	
Vegetative Cover:	100%
Prevalence Index:	1.63
CRAM Richness:	5
CRAM Cover:	73.89%
% CVVP Species:	35.71%
CVVP Cover:	73.89%
Species Richness:	14
Native Species:	7
Non-Native Species:	7
Non-Native Cover:	18.62%

Species	Cover Class
Anagallis arvensis	1
Briza minor	0
Eleocharis macrostachya	1
Eryngium vaseyi	1
Hordeum marinum	1
Hordeum murinum	1
Lasthenia fremontii	4
Leontodon saxatilis	2
Plagiobothrys stipitatus	1
Ranunculus muricatus	1
Trifolium depauperatum	0

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.78
CRAM Richness:	4
CRAM Cover:	71.64%
% CVVP Species:	36.36%
CVVP Cover:	71.64%
Species Richness:	11
Native Species:	5
Non-Native Species:	6
Non-Native Cover:	27.86%

Species	Cover Class
Crassula aquatica	1
Downingia bicornuta	1
Erodium botrys	1
Eryngium vaseyi	1
Hordeum marinum	1
Hordeum murinum	1
Lasthenia fremontii	4
Navarretia intertexta	1
Psilocarphus brevissimus	2
Ranunculus aquatilis	1
Trifolium depauperatum	1

Statistics	
Vegetative Cover:	95%
Prevalence Index:	1.37
CRAM Richness:	6
CRAM Cover:	85.78%
% CVVP Species:	54.55%
CVVP Cover:	85.78%
Species Richness:	11
Native Species:	8
Non-Native Species:	3
Non-Native Cover:	8.53%

Species	Cover Class
Briza minor	1
Cicendia quadrangularis	1
Crassula aquatica	1
Eleocharis macrostachya	2
Erodium botrys	1
Eryngium vaseyi	1
Lasthenia fremontii	3
Plagiobothrys stipitatus	3
Psilocarphus brevissimus	1
Ranunculus aquatilis	1
Trifolium depauperatum	1
Trifolium hirtum	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.35
CRAM Richness:	6
CRAM Cover:	84.81%
% CVVP Species:	50.00%
CVVP Cover:	84.81%
Species Richness:	12
Native Species:	9
Non-Native Species:	3
Non-Native Cover:	7.59%

Species	Cover Class
Aira caryophyllea	1
Cicendia quadrangularis	0
Downingia bicornuta	0
Eleocharis macrostachya	3
Elymus caput-medusae	2
Eryngium vaseyi	2
Gratiola ebracteata	1
Hordeum marinum	2
Lasthenia fremontii	3
Plagiobothrys greenei	2
Psilocarphus brevissimus	2
Ranunculus bonariensis	2
Trifolium depauperatum	1
Trifolium variegatum	1

Statistics	
Vegetative Cover:	92%
Prevalence Index:	1.80
CRAM Richness:	8
CRAM Cover:	77.75%
% CVVP Species:	50.00%
CVVP Cover:	69.23%
Species Richness:	14
Native Species:	11
Non-Native Species:	3
Non-Native Cover:	18.68%

Species	Cover Class
Anagallis arvensis	1
Briza minor	0
Bromus diandrus	0
Crassula aquatica	1
Downingia bicornuta	0
Downingia ornatissima	1
Erodium botrys	1
Eryngium vaseyi	1
Lasthenia fremontii	2
Leontodon saxatilis	1
Lupinus bicolor	0
Plagiobothrys stipitatus	3
Psilocarphus brevissimus	0
Ranunculus muricatus	1
Trifolium depauperatum	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.54
CRAM Richness:	7
CRAM Cover:	79.38%
% CVVP Species:	46.67%
CVVP Cover:	79.38%
Species Richness:	15
Native Species:	9
Non-Native Species:	6
Non-Native Cover:	16.25%

Species	Cover Class
Convolvulus arvensis	1
Downingia bicornuta	1
Hordeum marinum	1
Lasthenia fremontii	3
Leontodon saxatilis	2
Plagiobothrys stipitatus	1
Ranunculus aquatilis	1
Rumex crispus	1
Trifolium depauperatum	1
Trifolium hirtum	1
Trifolium variegatum	1
Veronica peregrina	1

Statistics	
Vegetative Cover:	100%
Prevalence Index:	2.06
CRAM Richness:	4
CRAM Cover:	56.29%
% CVVP Species:	25.00%
CVVP Cover:	52.69%
Species Richness:	12
Native Species:	7
Non-Native Species:	5
Non-Native Cover:	32.93%

Species	Cover Class
Aira caryophyllea	2
Elymus caput-medusae	1
Eryngium vaseyi	1
Geranium sp.	1
Hordeum marinum	2
Lasthenia fremontii	2
Plagiobothrys stipitatus	3
Ranunculus bonariensis	2
Rumex crispus	1
Trifolium variegatum	1

Statistics	
Vegetative Cover:	98%
Prevalence Index:	2.10
CRAM Richness:	4
CRAM Cover:	62.61%
% CVVP Species:	40.00%
CVVP Cover:	62.61%
Species Richness:	10
Native Species:	5
Non-Native Species:	5
Non-Native Cover:	34.78%

Species	Cover Class
Brodiaea elegans	1
Elymus caput-medusae	1
Eryngium vaseyi	2
Hordeum marinum	1
Layia fremontii	2
Leontodon saxatilis	2

Statistics	
Vegetative Cover:	90%
Prevalence Index:	3.72
CRAM Richness:	1
CRAM Cover:	27.93%
% CVVP Species:	16.67%
CVVP Cover:	27.93%
Species Richness:	6
Native Species:	3
Non-Native Species:	3
Non-Native Cover:	38.74%

Species	Cover Class
Anagallis arvensis	1
Convolvulus arvensis	1
Eleocharis macrostachya	1
Erodium botrys	1
Lasthenia fremontii	1
Plagiobothrys stipitatus	3
Psilocarphus brevissimus	1
Rumex crispus	1

Statistics	
Vegetative Cover:	90%
Prevalence Index:	1.56
CRAM Richness:	4
CRAM Cover:	79.66%
% CVVP Species:	50.00%
CVVP Cover:	79.66%
Species Richness:	8
Native Species:	4
Non-Native Species:	4
Non-Native Cover:	20.34%

Species	Cover Class
Eleocharis acicularis	1
Eleocharis macrostachya	2
Elymus caput-medusae	1
Erodium botrys	1
Eryngium vaseyi	3
Festuca myuros	4
Hordeum marinum	0
Hordeum murinum	3
Lasthenia fremontii	1
Leontodon saxatilis	2
Mentha sp.	1
Plagiobothrys stipitatus	1
Ranunculus bonariensis	2
Trifolium dubium	1
Triteleia hyacinthina	0

Statistics	
Vegetative Cover:	100%
Prevalence Index:	3.23
CRAM Richness:	5
CRAM Cover:	36.14%
% CVVP Species:	46.67%
CVVP Cover:	37.83%
Species Richness:	15
Native Species:	7
Non-Native Species:	8
Non-Native Cover:	62.17%

Species	Cover Class
Croton setigerus	1
Eleocharis acicularis	1
Eryngium vaseyi	3
Hordeum marinum	4

Statistics	
Vegetative Cover:	98%
Prevalence Index:	2.67
CRAM Richness:	1
CRAM Cover:	35.51%
% CVVP Species:	50.00%
CVVP Cover:	38.32%
Species Richness:	4
Native Species:	3
Non-Native Species:	1
Non-Native Cover:	58.88%

Species	Cover Class
Eleocharis acicularis	2
Elymus caput-medusae	1
Juncus sp.	3
Leontodon saxatilis	1
Mentha sp.	3
Rumex crispus	2

Statistics	
Vegetative Cover:	100%
Prevalence Index:	1.80
CRAM Richness:	0
CRAM Cover:	0.00%
% CVVP Species:	16.67%
CVVP Cover:	13.72%
Species Richness:	6
Native Species:	2
Non-Native Species:	4
Non-Native Cover:	52.65%

Species	Cover Class
Eleocharis acicularis	1
Elymus caput-medusae	1
Eryngium vaseyi	3
Hordeum marinum	4
Leontodon saxatilis	1
Rumex crispus	2
Vicia sp.	1

Statistics	
Vegetative Cover:	100%
Prevalence Index:	2.68
CRAM Richness:	1
CRAM Cover:	29.57%
% CVVP Species:	28.57%
CVVP Cover:	31.91%
Species Richness:	7
Native Species:	2
Non-Native Species:	5
Non-Native Cover:	68.09%

Species	Cover Class
Eleocharis acicularis	1
Elymus caput-medusae	2
Eryngium vaseyi	1
Hordeum marinum	3
Leontodon saxatilis	1

Statistics	
Vegetative Cover:	45%
Prevalence Index:	3.45
CRAM Richness:	1
CRAM Cover:	4.80%
% CVVP Species:	40.00%
CVVP Cover:	9.60%
Species Richness:	5
Native Species:	2
Non-Native Species:	3
Non-Native Cover:	90.40%

Species	Cover Class
Eleocharis acicularis	1
Elymus caput-medusae	1
Eryngium vaseyi	1
Hordeum marinum	0
Juncus sp.	3
Mentha sp.	2
Rumex crispus	2

Statistics	
Vegetative Cover:	98%
Prevalence Index:	1.92
CRAM Richness:	1
CRAM Cover:	3.82%
% CVVP Species:	28.57%
CVVP Cover:	7.64%
Species Richness:	7
Native Species:	3
Non-Native Species:	4
Non-Native Cover:	43.95%

Species	Cover Class
Aira caryophyllea	2
Downingia ornatissima	1
Eleocharis macrostachya	5
Eryngium vaseyi	2
Festuca perennis	1
Lasthenia fremontii	2
Plagiobothrys stipitatus	2
Poa annua	2
Ranunculus bonariensis	2
Rumex crispus	1
Triteleia hyacinthina	1

Statistics	
Vegetative Cover:	95%
Prevalence Index:	1.54
CRAM Richness:	6
CRAM Cover:	79.27%
% CVVP Species:	63.64%
CVVP Cover:	80.83%
Species Richness:	11
Native Species:	7
Non-Native Species:	4
Non-Native Cover:	19.17%

Species	Cover Class
Downingia ornatissima	0
Eleocharis macrostachya	1
Erodium botrys	1
Eryngium vaseyi	1
Festuca perennis	1
Lasthenia fremontii	2
Navarretia leucocephala	4
Plagiobothrys stipitatus	3
Psilocarphus brevissimus	2
Ranunculus muricatus	1

Statistics	
Vegetative Cover:	75%
Prevalence Index:	1.16
CRAM Richness:	7
CRAM Cover:	93.90%
% CVVP Species:	70.00%
CVVP Cover:	93.90%
Species Richness:	10
Native Species:	7
Non-Native Species:	3
Non-Native Cover:	6.10%

Species	Cover Class
Briza minor	1
Downingia ornatissima	1
Erodium botrys	1
Festuca perennis	2
Hordeum marinum	1
Hordeum murinum	1
Lasthenia fremontii	2
Leontodon saxatilis	3
Trifolium depauperatum	1
Triteleia hyacinthina	0

Statistics	
Vegetative Cover:	98%
Prevalence Index:	3.11
CRAM Richness:	2
CRAM Cover:	21.14%
% CVVP Species:	30.00%
CVVP Cover:	21.71%
Species Richness:	10
Native Species:	4
Non-Native Species:	6
Non-Native Cover:	74.86%

Appendix F — RDM Sampling Datasheets

Rocklin Open Space
RDM Sampling Datasheets (Fall 2015)

Claremont							
Sample Number	Site Ref. #	Date	Dried Weight (grams)		RDM (lbs./ac.)	*Est. Degree of Use	Photo #
			Sq. Foot	Sq. Meter			
49	C-3	10/8/2015	12	108	1200	meets the objective	57,58
22	C-4	10/29/2015	29	243	2900	exceeds the objective	49,50

RDM = (dry weight of sample in grams) X (100lbs./acre)
Target RDM is between 800-1,200 lbs/acres

Rocklin Open Space
RDM Sampling Datasheets (Fall 2015)

Orchard Creek							
Sample Number	Site Ref. #	Date	Dried Weight (grams)		RDM (lbs./ac.)	*Est. Degree of Use	Photo #
			Sq. Foot	Sq. Meter			
29	OC-1	9/29/2015	27	243	2700	exceeds the objective	5,6
26	OC-1	9/29/2015	25	225	2500	exceeds the objective	7,8

RDM = (dry weight of sample in grams) X (100lbs./acre)
Target RDM is between 800-1,200 lbs/acres

Rocklin Open Space
RDM Sampling Datasheets (Fall 2015)

Stanford Ranch							
Sample Number	Site Ref. #	Date	Dried Weight (grams)		RDM (lbs./ac.)	*Est. Degree of Use	Photo #
			Sq. Foot	Sq. Meter			
10	SR-13	10/10/2015	13	117	1300	exceeds the objective	45,46
11	SR-12	10/10/2015	9	81	900	meets the objective	41,42
12	SR-12	10/10/2015	9	81	900	meets the objective	39,40
13	SR-14	10/2/2015	10	90	1300	exceeds the objective	47,48
14	SR-21	9/29/2015	10	100	1400	exceeds the objective	3,4
15	SR-8	10/8/2015	37	297	3700	exceeds the objective	67,68
16	SR-8	10/8/2015	20	180	2000	exceeds the objective	65,66
17	SR-17	10/10/2015	7	63	700	below the objective	31,32
18	SR-19	10/10/2015	23	207	2300	exceeds the objective	35,36
19	SR-16	10/10/2015	9	81	900	meets the objective	33,34
34	SR-15	10/8/2015	16	144	1600	exceeds the objective	69,70
35	SR-15	10/8/2015	25	226	2500	exceeds the objective	71,72
36	SR-13	10/2/2015	NA	NA	NA	NA	43,44
37	SR-21	9/29/2015	13	50	3700	exceeds the objective	1,2
38	SR-11	10/8/2015	9	81	900	meets the objective	97,98
39	SR-10	10/8/2015	NA	NA	NA	NA	99,100
40	SR-18	10/2/2015	4	36	400	below the objective	37,38
41	SR-8	10/8/2015	34	306	3400	exceeds the objective	63,64
42	SR-17	10/2/2015	4	36	400	meets the objective	29,30
43	SR-17	10/2/2015	11	99	1100	meets the objective	27,28
44	SR-7	10/8/2015	NA	NA	NA	NA	61,62
45	SR-7	10/8/2015	10	90	1000	meets the objective	59,60
46	SR-4	10/8/2015	15	135	1500	exceeds the objective	53,54
47	SR-6	10/8/2015	2	18	200	below the objective	55,56
48	SR-2	10/2/2015	17	153	1700	exceeds the objective	51,52

RDM = (dry weight of sample in grams) X (100lbs./acre)
Target RDM is between 800-1,200 lbs/acres

Rocklin Open Space
RDM Sampling Datasheets (Fall 2015)

Sunset West							
Sample Number	Site Ref. #	Date	Dried Weight (grams)		RDM (lbs./ac.)	*Est. Degree of Use	Photo #
			Sq. Foot	Sq. Meter			
1	SW-8	10/8/2015	10	90	1000	meets the objective	89,90
2	SW-6	10/8/2015	9	81	900	meets the objective	81,82
3	SW-6	10/8/2015	34	316	3400	exceeds the objective	75,76
4	SW-6	10/8/2015	26	234	2600	exceeds the objective	77,78
5	SW-7	10/8/2015	21	189	2100	exceeds the objective	91,92
6	SW-4	10/8/2015	37	333	3700	exceeds the objective	83,84
7	SW-1	10/8/2015	43	387	700	below the objective	93,94
8	SW-3	10/8/2015	9	81	900	meets the objective	87,88
9	SW-1	10/8/2015	37	297	3700	exceeds the objective	95,96
31	SW-6	10/8/2015	7	63	700	meets the objective	79,80
32	SW-4	10/8/2015	17	153	1700	exceeds the objective	85,86
33	SW-5	10/8/2015	24	216	2400	exceeds the objective	73,74

RDM = (dry weight of sample in grams) X (100lbs./acre)
Target RDM is between 800-1,200 lbs/acres

Rocklin Open Space
RDM Sampling Datasheets (Fall 2015)

Whitney Ranch							
Sample Number	Site Ref. #	Date	Dried Weight (grams)		RDM (lbs./ac.)	*Est. Degree of Use	Photo #
			Sq. Foot	Sq. Meter			
20	WR-6	9/29/2015	5	35	500	below the objective	25,26
21	WR-5	9/29/2015	11	55	1100	meets the objective	21,22
23	WR-5	9/29/2015	8	45	800	meets the objective	19,20
24	WR-6	9/29/2015	35	315	3500	excedes the objective	23,24
25	WR-2	9/29/2015	10	65	1000	meets the objective	9,10
27	WR-3	9/29/2015	20	85	2000	excedes the objective	17,18
28	WR-4	9/29/2015	10	60	1000	meets the objective	15,16
30	WR-1	9/29/2015	26	234	2600	excedes the objective	11,12
50	WR-1	9/29/2015	24	216	2400	excedes the objective	13,14

RDM = (dry weight of sample in grams) X (100lbs./acre)
Target RDM is between 800-1,200 lbs/acres

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	1
Preserve Name:	Sunset West 8
Date Monitored:	5/25/16
Monitor Name:	MMB2
Photo Number:	No photo
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Avena fatua	Wild oat	25
Erodium botryts	Stork's bill	10
Hordium murinus	Barely	50
Amsinckia menziesii	Fiddleneck	5
Festuca perennis	Italina rye grass	10

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	2
Preserve Name:	Sunset West 6
Date Monitored:	4/13/16
Monitor Name:	MMB2
Photo Number:	12
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Rumex crispus	Curly dock	5
Vicia villosa	Winter vetch	25
Avena fatua	Wild oat	15
Hordeum murinum	Barely	40
Erodium botryts	Stork's bill	3
Trifolium hirtum	Rose clover	2
Festuca perennis	Italina rye grass	10

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	3
Preserve Name:	Sunset West 6
Date Monitored:	4/13/16
Monitor Name:	MMB2
Photo Number:	5,6,7
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Lupinus bicolor	Bicolor lupin	40
Avena fatua	Wild oat	5
Vica villosa	Winter vetch	5
Hordeum murinum	Barely	40
Erodium botryts	Strock's bill	5
Trifolium hirtum	Rose clover	5

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	4
Preserve Name:	Sunset West 6
Date Monitored:	4/13/16
Monitor Name:	MMB2
Photo Number:	11
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Avena fatua	Wild oat	25
Erodium botryts	Stork's bill	5
Vicia villosa	Winter vetch	5
Hordium murinus	Barely	50
Amsinckia menziesii	Fiddleneck	5
Festuca perennis	Italina rye grass	10

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	5
Preserve Name:	Sunset West 7
Date Monitored:	5/24/16
Monitor Name:	MMB2
Photo Number:	No photo
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Elymus caput-meduse	Medushead	50
Vica vilosia	Vetch	10
Trifolium hirtum	Rose clover	30
Avena fatua	Italian rye	30

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	6
Preserve Name:	Sunset West 4
Date Monitored:	4/13/16
Monitor Name:	ZAN
Photo Number:	2
Total Vegetative Cover:	97

Scientific Name	Common Name	Cover
Leontodon saxatilis	hawkbit	6
Plagiobothrys greenei	Green's popcornflower	4
Bromus hordeaceus	soft brome	55
Erodium botrys	big heron bill	6
Avena fatua	wild oats	4
Vicia villosa	vetch	9
Trifolium hirtum	rose clover	6
Elymus caput-medusae	medusahead rye	7

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	7
Preserve Name:	Sunset West 1
Date Monitored:	4/14/16
Monitor Name:	MMB2 and ZAN
Photo Number:	16
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Lupinus bicolor	Bicolor lupin	5
Trifolium hurtium	Rose clover	8
Erodium botrys	Stork's bill filaree	1
Festuca perennis	Italin rye grass	2
Bromus diandrus	Ripgut	15
Hordium murinum	Barely	40
Bromus hordeaceus	Soft brome	12
Vica villosa	Winter vetch	10
Trifolium dubium	Suckling clover	5
Bromus diandrus	Ripgut	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	8
Preserve Name:	Sunset West 3
Date Monitored:	4/13/16
Monitor Name:	ZAN
Photo Number:	4
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Erodium botrys	big heron bill	5
Elymus-caput medusae	medusahead rye	40
Avena fatua	wild oat	20
Triteleia laxa	Ithuriel's spear	2
Vicia villosa	vetch	15
Bromus hordeaceus	soft brome	3
Trifolium hirtum	rose clover	4
Leontodon saxatilis	hawkbit	1
Festuca myeros	rattail sixweeks grass	3
Festuca perennis	Italian rye grass	5
Plagiobothrys stipitatus	popcornflower	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	9
Preserve Name:	Sunset West 1
Date Monitored:	4/13/16
Monitor Name:	MMB2
Photo Number:	13
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Amsinckia menziesii	Fiddleneck	5
Hordeum maurinum	Seaside barely	60
Chlorogalum pomeridianum	Soap root	1
Vica villosa	Winter vetch	24
Festuca perennis	Italina rye grass	10

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	10
Preserve Name:	Stanford Ranch 13
Date Monitored:	5/2/16
Monitor Name:	MMB2
Photo Number:	3
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Triteleia hyacinthina	wild hyacinth	15
Festuca perennis	Italian rye grass	15
Hordeum murinum	little barley	40
Trifolium dubium	suckling clover	25
Vicia villosa	vetch	5

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	11
Preserve Name:	Stanford Ranch 12
Date Monitored:	4/27/16
Monitor Name:	CMM
Photo Number:	3175, 3176, 3177
Total Vegetative Cover:	100

Scientific Name	**Common Name**	**Cover**
Erodium botrys	filaree	2
Bromus hordeaceus	soft brome	5
Distichlis spicata	salt grass	2
Hypochaeris glabra	smooth cat's ear	5
Elymus caput-medusae	medusahead rye	20
Hordeum marinum	seaside barley	60
Leontodon saxatilis	hawkbit	1
Bromus diandrus	ripgut brome	1
Brodiaea minor	dwarf brodiaea	3

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	12
Preserve Name:	Stanford Ranch 12
Date Monitored:	4/27/16
Monitor Name:	KEB
Photo Number:	5
Total Vegetative Cover:	100

Scientific Name	**Common Name**	**Cover**
Elymus caput-medusae	medusahead rye	80
Dicholestemma multiflorum	multi-flowered brodiaea	4
Holocarpha virgata	tarweed	1
Bromus hordeaceus	soft brome	5
Erodium botrys	big heron bill	4
Trifolium hirtum	rose clover	2
Avena barbata	slender oat	2
Vicia villosa	vetch	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	13
Preserve Name:	Stnaford Ranch 13
Date Monitored:	5/2/16
Monitor Name:	MMB2
Photo Number:	5
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Elymus caput-medusae	medusahead rye	87
Festuca perennis	Italian rye grass	5
Vicia villosa	vetch	3
Trifolium hirtum	rose clover	2
Trifolium dubium	suckling clover	3

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	14
Preserve Name:	Stanford Ranch 21
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	1
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Bromus hordeaceus	soft brome	10
Elymus caput-medusae	medusahead rye	67
Avena barbata	slender oat	1
Vicia villosa	vetch	4
Trifolium hirtum	rose clover	4
Triteleia hyacinthina	wild hyacinth	1
Plagiobothrys nothofulvus	popcornflower	1
Hypochaeris glabra	smooth cat's ear	1
Festuca myuros	rattail sixweeks grass	8
Amsinckia menziesii	fiddleneck	1
Leontodon saxatilis	Hawkbit	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	15
Preserve Name:	Stanford Ranch 8
Date Monitored:	4/27/16
Monitor Name:	KEB
Photo Number:	9
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Elymus caput-medusae	medusahead rye	80
Erodium botrys	big heron bill	1
Trifolium hirtum	rose clover	4
Triteleia hyacinthina	wild hyacinth	2
Leontodon saxatilis	hawkbit	2
Elymus elymoides	bottlebrush squirreltail	10
Vicia villosa	vetch	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	16
Preserve Name:	Stanford Ranch 8
Date Monitored:	4/27/16
Monitor Name:	KEB
Photo Number:	10
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Elymus caput-medusae	medusahead rye	75
Avena barbata	slender oat	5
Leontodon saxatilis	hawkbit	10
Bromus hordeaceus	soft brome	5
Vicia villosa	vetch	2
Briza minor	little quaking grass	1
Holocarphus virgata	tarweed	1
Petrorogia		1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	17
Preserve Name:	Stanford Ranch 17
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	5
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Elymus caput-medusae	medusahead rye	70
Triteleia hyacinthina	wild hyacinth	5
Bromus hordeaceus	soft brome	8
Avena barbata	slender oats	5
Holocarphus virgata	tarweed	3
Carduus pycnocephalus	italian thistle	1
Dichelostemma multiflorum	many-flowered brodiaea	1
Hypochaerus glabra	smooth cat's ear	2
Erodium sp.	big heron bill	1
Festuca myuros	sixweeks rattail grass	1
Trifolium hirtum	rose clover	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	18
Preserve Name:	Stanford Ranch 19
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	2
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Avena barbata	slender oat	43
Rumex crispus	curly dock	3
Triteleia hyacinthina	wild hyacinth	5
Vicia villosa	vetch	5
Bromus hordeaceus	soft brome	7
Festuca perennis	Italian rye grass	5
Elymus caput-medusae	medusahead rye	25
Hypochaeris glabra	smooth cat's ear	2
Trifolium hirtum	rose clover	3
Dittrichia graveolens	stinkwort	1
Geranium dissectum	cranesbill	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	19
Preserve Name:	Stanford Ranch 16
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	7
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Avena barbata	slender oat	10
Elymus caput-medusae	medusahead rye	50
Leontodon saxatilis	hawkbit	2
Bromus hordeaceus	soft brome	5
Vicia villosa	vetch	1
Holocarpha virgata	tarweed	2
Triteleia hyacinthina	wild hyacinth	4
Trifolium hirtum	rose clover	18
Festuca myuros	rattail sixweeks grass	3
Trifolium dubium	shamrock clover	3
Plagiobothrys greenei	popcorn flower	1
Castilleja attenuata	valley tassels	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	20
Preserve Name:	Whitney Ranch 6
Date Monitored:	4/29/16
Monitor Name:	ZAN
Photo Number:	7
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Hypochaeris glabra	smooth cat's ear	25
Triteleia hyacinthina	wild hyacinth	2
Bromus hordeaceus	soft brome	2
Festuca perennis	Italian rye	4
Elymus caput-medusae	medusahead rye	60
Trifolium hirtum	rose clover	3
Holocarphus virgata	tarweed	2
Medicago polymorpha	bur clover	1
Briza minor	little quaking grass	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	21
Preserve Name:	Whitney Ranch 5
Date Monitored:	4/18/16
Monitor Name:	ZAN, JFI
Photo Number:	12
Total Vegetative Cover:	95

Scientific Name	Common Name	Cover
Festuca perennis	Italian rye grass	10
Melilotus sp.	sweet clover	15
Elymus caput-medusae	Medusahead rye	41
Bromus hordeaceus	soft brome	4
Triteleia hyacinthina	wild hyacinth	1
Vicia villosa	vetch	8
Trifolium dubium	shamrock clover	6
Bromus diandrus	ripgut brome	8
Medicago polymorpha	burclover	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	22
Preserve Name:	Claremont 4
Date Monitored:	4/18/16
Monitor Name:	JFI
Photo Number:	1
Total Vegetative Cover:	95

Scientific Name	Common Name	Cover
Avena barbata	slender wild oat	70
Bromus diandrus	ripgut brome	10
Erodium botrys	big heron bill	5
Elymus caput-medusae	medusahead rye	10

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	23
Preserve Name:	Whitney Ranch 5
Date Monitored:	4/18/16
Monitor Name:	JFI, ZAN
Photo Number:	13
Total Vegetative Cover:	95

Scientific Name	Common Name	Cover
Trifolium hirtum	rose clover	8
Bromus hordeaceus	soft brome	25
Avena fatua	wild oats	5
Elymus caput-medusae	medusahead rye	30
Bromus diandrus	ripgut brome	2
Vicia villosa	vetch	10
Trifolium dubium	shamrock clover	1
Triteleia laxa	Ithyriel's spear	5
Triteleia hyancinthina	wild hyacinth	6
Agoseris sp.	false dandelion	3

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	24
Preserve Name:	Whitney Ranch 6
Date Monitored:	4/29/16
Monitor Name:	ZAN
Photo Number:	6
Total Vegetative Cover:	96

Scientific Name	Common Name	Cover
Avena barbata	slender oat	55
Trifolium hirtum	rose clover	35
Hypochaeris glabra	smooth cat's ear	1
Elymus caput-medusae	medusahead rye	2
Trifolium sp.	clover	1
Bromus hordeaceus	soft brome	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	25
Preserve Name:	Whitney Ranch 2
Date Monitored:	4/29/16
Monitor Name:	ZAN
Photo Number:	5
Total Vegetative Cover:	95

Scientific Name	Common Name	Cover
Bromus diandrus	ripgut brome	5
Avena barbata	slender oat	18
Bromus hordeaceus	soft brome	5
Elymus caput-medusae	medusahead rye	27
Erodim sp.	filaree	2
Trifolium hirtum	rose clover	4
Vicia villosa	vetch	4
Triteleia hyacinthina	wild hyacinth	2
Holocarphus virgata	tarweed	2
Leontodon saxatilis	hawkbit	5
Dichelostemma capitatum	blue dicks	1
Festuca myuros	sixweeks rattail grass	25

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	26
Preserve Name:	Orchard Creek 1
Date Monitored:	4/14/16
Monitor Name:	MMB2
Photo Number:	26
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Avena fatua	Wild oat	65
Lupinus bicolor	Lupin	5
Trifolium hurtum	Rose clover	5
Amsinckia menziesii	Fiddleneck	15
Festuca perennos	Italina rye grass	5
Galium aparine	Bed straw	5

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	3
Preserve Name:	Whitney Ranch 27
Date Monitored:	4/29/16
Monitor Name:	ZAN
Photo Number:	4
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Geranium dissectum	cranesbill	3
Festuca perennis	Italian rye grass	6
Bromus hordeaceus	soft brome	2
Elymus caput-medusae	medusahead rye	23
Triteleia hyacinthina	wild hyacinth	7
Medicago polymorpha	bur clover	43
Trifolium hirtum	rose clover	6
Avena barbata	slender oat	1
Festuca myuros	sixweeks rattail grass	1
Hypochaeris glabra	smooth cat's ear	2
Briza minor	little quaking grass	2
Holocarphus virgata	tarweed	2
Trifolium aureum	hop clover	1
Vicia sativa	vetch	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	28
Preserve Name:	Whtiney Ranch 4
Date Monitored:	4/29/16
Monitor Name:	ZAN
Photo Number:	3
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Leontodon saxatilis	hawkbit	2
Bromus diandrus	ripgut brome	33
Avena barbata	slender oat	22
Trifolium hirtum	rose clover	3
Erodium sp.	filaree	15
Elymus caput-medusae	medusahead rye	14
Festuca perennis	Italian rye grass	5
Bromus hordeaceus	soft brome	3
Vicia sativa	vetch	1
Brodiaea elegans	harvest brodiaea	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	29
Preserve Name:	Orchard Creek 1
Date Monitored:	4/14/16
Monitor Name:	MMB2
Photo Number:	No photo
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Trifoluim hurtum	Rose Clover	45
Briza minor	Little quaking grass	25
Lupinus bicolor	Bicolor lupin	4
Castileja exserta	White clover	2
Galium aparine	Bed straw	5
Hordium murinum	Barely	15
Erodium botrys	Stork's bill filaree	3
Festuca perenis	Italina rye grass	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	30
Preserve Name:	Whitney Ranch 1
Date Monitored:	4/29/16
Monitor Name:	ZAN
Photo Number:	1
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Carduus pycnocephalus	Italian thistle	9
Elymus caput-medusae	medusahead rye	42
Bromus diandrus	ripgut brome	28
Bromus hordeaceus	soft brome	2
Erodium sp.	filaree	2
Avena barbata	slender oat	1
Festuca perennis	Italian rye	10
Senecio vulgaris	old man in spring	3
Geranium dissectum	cransebill	1
Triteleia hyacinthina	wild hyacinth	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	31
Preserve Name:	Sunset West 6
Date Monitored:	4/13/16
Monitor Name:	MMB2
Photo Number:	Photo file corrupted
Total Vegetative Cover:	90

Scientific Name	Common Name	Cover
Vicia villosa	Winter vetch	75
Avena fatua	Wild oat	5
Lupinus bicolor	Bicolor lupin	5
Trifolium hurtum	Rose clover	5

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	32
Preserve Name:	Sunset West 4
Date Monitored:	4/13/16
Monitor Name:	ZAN
Photo Number:	1
Total Vegetative Cover:	94

Scientific Name	Common Name	Cover
Rumex crispus	curly dock	4
Festuca perennis	Italian rye grass	5
Mentha sp.	mint	2
Geranium dissectum	cranesbill	11
Avena fatua	wild oats	8
Juncus effussus	bog rush	16
Bromus diandrus	ripgut brome	21
Aira caryophyllea	shiver grass	6
Eleocharis macrostachya	spikerush	12
Trifolium sp.	clover	1
Bromus hordeaceus	soft brome	2
Galium aparine	common bedstraw	2
Artemesia douglasiana	mugwort	3
Senecio sp.	ragwort	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	33
Preserve Name:	Sunset West 5
Date Monitored:	4/13/16
Monitor Name:	ZAN
Photo Number:	3
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Festuca perennis	Italian rye grass	2
Elymus caput-medusae	medusahead rye	90
Erodium botrys	big heron bill	3
Trifoilium hirtum	rose clover	4
Vicia villosa	vetch	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	34
Preserve Name:	Stanford Ranch 15
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	1
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Vicia villosa	vetch	3
Triteleia hyacinthina	wild hyacinth	2
Festuca perennis	Italian rye	1
Elymus caput-medusae	medusahead rye	65
Bromus hordeaceus	soft brome	9
Bromus diandrus	ripgut brome	5
Trifolium hirtum	rose clover	7
Avena barbata	slender oat	1
Holocarphus virgata	tarweed	1
Trifolium dubium	shamrock clover	5
Erodium sp.	filaree	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	35
Preserve Name:	Stanford Ranch 15
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	1
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Vicia villosa	vetch	10
Triteleia hyacinthina	wild hyacinth	4
Festuca perennis	Italian rye	20
Elymus caput-medusae	medusahead rye	45
Bromus hordeaceus	soft brome	10
Bromus diandrus	ripgut brome	8
Trifolium hirtum	rose clover	2
Geranium dissectum	crasnebill	

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	36
Preserve Name:	Stanford Ranch 13
Date Monitored:	5/2/16
Monitor Name:	MMB2
Photo Number:	2
Total Vegetative Cover:	95

Scientific Name	Common Name	Cover
Avena fatua	wild oat	50
Hordeum murinum	little barley	30
Quercus wislizeni	interior live oak	2
Rumex crispus	curly dock	2
Erodium botrys	stork's bill	5
Vicia villosa	vetch	5
Trifolium dubium	suckling clover	6

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	37
Preserve Name:	Stanford Ranch 21
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	8
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Avena barbata	slender oat	25
Trifolium hirtum	rose clover	10
Elymus caput-medusae	medusahead rye	40
Medicago sp.	bur clover	12
Triteleia hyacinthina	wild hyacinth	1
Festuca perennis	Italian rye grass	2
Festuca myuros	sixweeks rattail grass	3
Bromus hordeaceus	soft brome	5
Erodium sp.	big heron bill	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	38
Preserve Name:	Stanford Ranch 11
Date Monitored:	4/27/16
Monitor Name:	KEB
Photo Number:	12
Total Vegetative Cover:	90

Scientific Name	Common Name	Cover
Sanicula crassicaulis	gamble weed	25
Galium aparine	common bedstraw	30
Avena barbata	slender oat	5
Bromus diandrus	soft brome	35
Geranium dissectum	cransebill	5

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	39
Preserve Name:	Stanford Ranch 10
Date Monitored:	4/27/16
Monitor Name:	KEB
Photo Number:	11
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Bromus diandrus	ripgut brome	70
Avena barbata	slender oat	2
Lactuca serriola	Prickly lettuce	10
Rumex crispus	curly dock	3
Veronica sp.	speedwell	10
Galium parisiese	wall bedstraw	5

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	40
Preserve Name:	Stanford Ranch 18
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	3
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Avena barbata	slender oat	6
Vicia villosa	vetch	5
Festuca perennis	Italian rye grass	10
Triteleia hyacinthina	wild hyacinth	4
Trifolium hirtum	rose clover	8
Bromus hordeaceus	soft brome	12
Carduus pycnocephalus	italian thistle	3
Geranium dissectum	cransebill	4
Elymus caput-medusae	medusahead rye	44
Festuca myuros	sixweeks rattail grass	3
Lamiaceae unk.	mint	1
Erodium botrys	big heron bill	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	41
Preserve Name:	Stanford Ranch 7
Date Monitored:	5/24/16
Monitor Name:	MMB2
Photo Number:	No photo
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Erodium botryts	Stork's bill	5
Vica Villosa	Vetch	5
Avena fatua	Wild oat	50
Rumex pulcher	Fiddle dock	10
Hordeum murinum	Foxtail barley	20
Trifolium dubium	Suckling clover	10

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	42
Preserve Name:	Stanford Ranch 17
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	4
Total Vegetative Cover:	97

Scientific Name	Common Name	Cover
Avena barbata	slender oat	25
Dichelostemma multiflorum	many-flowered brodiaea	18
Festuca myuros	sixweeks rattail grass	1
Castilleja attenuata	valley tassels	1
Trifolium dubium	shamrock clover	2
Trifolium hirtum	rose clover	10
Elymus caput-medusae	medusahead rye	27
Vicia villosa	vetch	5
Holocarphus virgata	tarweed	2
Hypochaerus glabra	smooth cat's ear	1
Erodium botrys	big heron bill	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	43
Preserve Name:	Stanford Ranch 17
Date Monitored:	4/27/16
Monitor Name:	ZAN
Photo Number:	6
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Dichelostemma multiflorum	multi-flowered brodiaea	1
Vicia villosa	vetch	2
Elymus caput-medusae	medusahead rye	65
Bromus diandrus	ripgut brome	15
Avena barbata	slender oat	5
Hypochaerus glabra	smooth cat's ear	1
Bromus hordeaceus	soft brome	2
Trifolium hirtum	rose clover	3
Festuca perennis	Italian rye grass	2
Geranium dissectum	cransebill	1
Trifolium dubium	shamrock clover	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	44
Preserve Name:	Stanford Ranch 7
Date Monitored:	4/27/16
Monitor Name:	CMM
Photo Number:	3178, 3179
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Salix sp.	willow	1
Bromus hordeaceus	soft brome	75
Bromus diandrus	ripgut brome	10
Avena fatua	wild oat	2
Rumex pulcher	fiddle dock	3
Hordeum murinum	foxtail barley	3
Carduus pycnocephalus	Italian thistle	1
Torilis arvensis	field hedge parsley	1

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	45
Preserve Name:	Stanford Ranch 7
Date Monitored:	4/27/16
Monitor Name:	CMM
Photo Number:	3180
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Vicia sativa	spring vetch	3
Avena barbata	slender oat	45
Trifolium campestre	field clover	10
Medicago polymorpha	bur clover	8
Festuca perennis	Italian rye grass	2
Helminthotheca echioides	bristly ox-tongue	15
Torilis arvensis	field hedge parsley	1
Bromus hordeaceus	soft brome	2
Rumex pulcher	fiddle dock	5
Carduus arvensis	Italian thistle	2
Geranium dissectum	cranesbill	5
Elymus caput-medusae	medusahead rye	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	46
Preserve Name:	Stanford Ranch 4
Date Monitored:	5/3/16
Monitor Name:	ZAN
Photo Number:	1
Total Vegetative Cover:	95

Scientific Name	Common Name	Cover
Vicia villosa	vetch	4
Festuca perennis	Italian rye grass	75
Anthriscus caucalis	bur chervil	3
Trifolium hirtum	rose clover	1
Rumex pulcher	fiddle dock	6
Elymus caput-medusae	medusahead rye	2
Cyperus eragrostis	tall cyperus	3

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	47
Preserve Name:	Stanford Ranch 2
Date Monitored:	5/24/16
Monitor Name:	MMB2
Photo Number:	No photo
Total Vegetative Cover:	95

Scientific Name	Common Name	Cover
Amsinkia menzisii	Fiddle neck	5
Hordum marinum	Seaside barley	10
Festuca perennis	Italina rye	20
Vicia villosa	Winter vetch	40
Avena fatua	Barely	25

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	48
Preserve Name:	Stanford Ranch 2
Date Monitored:	5/3/16
Monitor Name:	ZAN
Photo Number:	2
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Hordeum murinum	foxtail barley	30
Galium aparine	common bedstraw	35
Avena barbata	slender oat	5
Geranium dissectum	cransebill	2
Bromus hordeaceus	soft brome	4
Bromus diandrus	ripgut brome	10
Festuca perennis	Italian rye grass	8
Anthriscus caucalis	bur chervil	4
Salix sp.	willow	2

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	49
Preserve Name:	Claremont 2
Date Monitored:	4/18/16
Monitor Name:	ZAN
Photo Number:	11
Total Vegetative Cover:	100

Scientific Name	Common Name	Cover
Avena barbata	slender oat	30
Trifolium hirtum	rose clover	25
Bromus hordeaceus	soft brome	15
Elymus caput-medusae	medusahead rye	12
Bromus diandrus	ripgut brome	8
Plagiobothrys greenei	Green's popcornflower	5
Agoseris sp.	false dandelion	5

Rocklin Open Space
RDM Sampling Data Sheet (Spring 2016)

Grassland Monitoring Plot #:	50
Preserve Name:	Whitney Ranch 1
Date Monitored:	4/29/16
Monitor Name:	ZAN
Photo Number:	2
Total Vegetative Cover:	97

Scientific Name	Common Name	Cover
Leontodon saxatilis	hawkbit	10
Avena barbata	slender oat	55
Trifolium hirtum	rose clover	25
Vicia villosa	vetch	1
Titeleia laxa	Ithuriel's spear	2
Elymus caput-medusae	medusahead rye	4