

**ANNOTATED CHECKLIST OF THE
FLORA OF THE SIERRA VALLEY REGION
OF SIERRA AND PLUMAS COUNTIES, CALIFORNIA**

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ABSTRACT

The Sierra Valley region of California is unique in that three floristic zones converge in this mountain valley, the Sierra Nevada from the west, the Great Basin from the east, and to a slight degree the Cascade Range from the north. A checklist of the flora includes 93 families, 434 genera, and 1153 documented species; geographic ranges of another 125 species suggest that they also may occur in the area, for a total of 1278 species.

Sierra Valley is a large mountain valley located east of the Sierra Nevada crest. The geology of this region is complex but in a simplistic form it is a down-faulted block basin (graben) filled with volcanic ash deposits and lake sediments, similar to Lake Tahoe in geologic origin. This has resulted in an inverted “L” shaped flat basin, with an average elevation of 4900 feet over an area of approximately 208 square miles. The entire checklist area is approximately 360 square miles.



Figure 1. The Sierra Valley — area covered by the checklist.

General notes

In 2007 I began to compile a list of plants found in the Sierra Valley region for the the 2008 Jepson Herbarium Workshop “The Flora of Sierra Valley,” which my wife and I lead. This list was drawn from a multitude of resources, personal collections and communications, recent and historical literature, and a large number of internet sources.

According to *The Jepson Manual, Second Edition (TJM 2)*, the California flora is comprised of 185 families, 1314 genera and 7601 species. As of December 2015, the Sierra Valley annotated checklist includes 94 families, 433 genera and 1153 recorded species; geographic ranges of an additional 125 species suggest that they also probably occur in the Sierra Valley region, for a total of 1278 species. There are 162 introduced species. Sierra Valley is home to approximately 15% of the entire California flora, an impressive number for such a small region.

Physical description and geology

Sierra Valley is a mountain valley located east of the Sierra Nevada crest (Fig. 1). As defined here, the Sierra Valley region is bounded by sightline ridges. Of the 360 square miles (approximately 230,000 acres) within the study area, the valley floor comprises approximately 208 square miles. Elevations of the project region range from 4865 feet, at the outflow of the Middle Fork of the Feather River near Portola, to 8058 feet at the summit of Mt. Ina Coolbrith near Loyalton.

In the Sierra Valley region, 43% (155 square miles) of the land is in Sierra County and 57% in Plumas County (207 square miles). The majority of the land on the valley floor, in both Sierra County and Plumas County, is in private ownership and in agricultural production.

The geology of this region is complex but in simplistic form it is a down-faulted block basin (graben) that is filled with volcanic ash deposits and lake sediments and is similar to Lake Tahoe in geologic origin. The depth of these ash deposits and lake sediments in some areas is well over 1000 feet, as determined by geothermal drilling done in the 1970's and 80's.

Within the region there are three main geologic features. The main one is the valley fill, consisting primarily of volcanic ash capped with recent erosional material that makes up approximately 60% of the Sierra Valley region. To the southwest, in the Calpine, Sattley, and Yuba Pass areas, and also in the northeast area of the valley in the Beckwourth Pass and Chilcote areas are the granitic zones. Finally, the rest of the surrounding area is covered with pyroclastic flows and ash deposits. There are also several remnant volcanic plugs within the valley, with the most notable being Sugarloaf near Beckwourth.

A common misconception is that Sierra Valley is a Sierra Nevada range feature, but from a geologist's point of view it is not. Both Sierra Valley and Lake Tahoe lay east of the crest of the Sierras, not unlike Owens Valley. As a consequence, Sierra Valley and Lake Tahoe are both in the Basin and Range Province but not the Great Basin proper. The eastern escarpment of the Sierra Nevada range turns to the northwest in Sierra Valley and continues into the area of Quincy, California.

Climate

The Sierra Valley region is a land of climatic extremes. Unlike the west slope of the Sierra Nevada Range, the valley climate is Continental, not Mediterranean, and is therefore subject to greater extremes than those normally associated with typical California weather.

The average precipitation in Sierra Valley ranges from 15 to 20 inches per year, with the major part of that being snowfall. The amounts of precipitation drop sharply moving from the west side of the valley to the east side. Temperatures of less than -40 F have been recorded, with some summer temperatures exceeding 100 F. Temperature variations of 40 F to 50 F during a day, from the high 30's to the low 90's, are common in the summer and I have personally seen the temperature in one day go from a low of 34 degrees to a high of 104 degrees in Jul. Summer rainfall is normally confined to thunderstorms and these are mainly on the north end and the east side of the valley.

Vegetation

SAGEBRUSH SCRUB. This is the main vegetation type throughout the Sierra valley region. This association is found mainly on the valley floor but moves up the slopes in the north and eastern portion of the valley.

PONDEROSA/JEFFREY PINE AND FIR FORESTS. These are found primarily on the edge of the valley from the Loyalton to the Calpine area, typically on the steeper slopes with some extension onto the valley floor.

OAK WOODLANDS. Black oak woodlands are found in scattered locations on the edge of the valley, primarily on the northern edges of the valley.

JUNIPER WOODLANDS. The primary areas of juniper woodlands are along the southeastern flank of the valley along Hwy 49 between Sierraville and Loyalton. These are typically narrow bands and are usually found between the valley floor and the Jeffrey pine zone.

MARSHLANDS. The marshlands are one of the features that add to the beauty and diversity of the valley. Found primarily through the center of the valley from south of the “Steel Bridge” on Marble Lane to the Ramelli Ranch near Beckwourth. On the early maps of the region there was an area east of Calpine known as “The Tules;” extensive channelization in the late 1800’s and early 1900’s has converted much of this to irrigated pasture.

VERNAL POOLS. There are a number of vernal pool located in the Sierra Valley region, primarily on the western edge of the valley floor, with the preeminent pool located near Calpine. Unfortunately this site is now degraded due to management practices. All of the vernal pool sites are located on private property.

Sites accessible to the general public

Since the majority of the Sierra Valley region is under private ownership, at least on the valley floor, areas open to the public are given here.

Ramelli Ranch: Located southwest of Beckwourth at the intersection of Hwy 70 and County Road A-23. This location offers both riparian and sagebrush associations to stroll through. The property is managed by the United States Forest Service and is open to the public. Some of the land is leased for grazing, so please respect the rights of the lease holder. The area west of the County Road A-23 bridge and to the south of the Feather River has an astounding variety of riparian and sagebrush flora, including *Ivesia aperta* var. *aperta*.

Maddalena Ranch: Located to the southeast of Beckwourth, 1.75 mi south of the intersection of Hwy 70 and County Road A-24. This is a property owned by the Feather River Land Trust and the area is open to the general public. The land trust has set up wildlife viewing areas and short trails where you can get your feet wet in the marshlands. Parts of this land are also leased for grazing, so please respect the fences and leave all gates as you found them.

Roadsides: All the roads in the area have right of ways that typically extend to the fence lines. The most traveled road in the area is Marble Lane which extends east from County Road A-23 to County Road A-24. This is where the “Steel Bridge” is located. Roadside viewing of the flora is amazing and the birding is a bonus. John Thomas Howell best described the roadside flora of Sierra Valley in his wonderful “*Five Days to Reno, A Botanical Motorlogue*” with this statement; “I meandered through the Feather River country and became almost immobile on the flower-spattered flats of Sierra Valley.” It was on this trip that he collected what he described as “A New Sierran *Pontentilla*” that is now known as *Ivesia aperta* var. *aperta*.

Antelope Valley: Located 3.5 mi west of Loyalton on Hwy 49, Antelope Valley is south of Hwy 49 along the Antelope Valley Road (County Road 855). Approximately 2 mi from Hwy 49 is a cattle guard and once past this point you are off private property and on lands managed by the California Department of Fish & Game.

US Forest Service maps of the Tahoe and Plumas National Forests are excellent guidelines to the land ownership of the region.

Special status plants as defined by the California Native Plant Society

In 1968 the California Native Plant Society (CNPS) created the "Rare Plant Program," which resulted in the *Inventory of Rare and Endangered Plants of California*. Recently the CNPS Rare Plant Program and Rare Plant Committee developed a newer system, the California Rare Plant Ranks (CRPR). The list below reflects the rare plants found in the Sierra Valley region included in the "Inventory" and their ranking.

CRPR 1B: Plants Rare, Threatened, or Endangered in California and elsewhere

Astragalus lemmonii
Astragalus lentiformis
Astragalus pulsiferae var. *pulsiferae*
Epilobium oreganum
Ivesia aperta var. *aperta*
Ivesia sericoleuca
Ivesia webberi
Juncus luciensis
Oreostemma elatum
Polygonum polygaloides subsp. *esotericum*
Pyrocoma lucida

CRPR 2B: Plants Rare, Threatened, or Endangered in California, but more common elsewhere

Atriplex argenta var. *hillmanii*
Brasenia schreberi
Erigeron eatonii var. *nevadincola*
Hymenoxys lemmonii
Ivesia baileyi var. *baileyi*
Kobresia myosuroides
Potamogeton epihydrus
Stanleya viridiflora
Thelypodium milleflorum
Viola purpurea subsp. *aurea*

CRPR 4: Plants of limited distribution - A watch list

Epilobium howellii
Eriastrum sparsiflorum
Eriogonum baileyi var. *praebens*
Eriophorum gracile
Juncus hemiendytus var. *abjectus*
Lomatium canbyi
Mimulus pygmaeus
Senecio hydrophiloides
Subularia aquatica subsp. *americana*
Trifolium andersonii var. *andersonii*
Trifolium lemmonii

The checklist

Introduced species are denoted by the use of the "*Helvetica*" typeface. Species not yet documented but expected to be found in the Sierra Valley are indicated as such ("to be looked for").

LYCOPHYTES**ISOETACEAE** Quillwort Family**ISOETES** Quillwort

Isoetes bolanderi Engelm. BOLANDER'S QUILLWORT
Ponds and persistent waters. Spores late summer. Calpine, T21N R14E S16.

Isoetes howellii Engelm. HOWELL'S QUILLWORT
Infrequent. Margins of vernal pools and small lakes. Spores late spring. Marble Lane, T22N R13E S13.

Isoetes nuttallii Engelm. NUTTALL'S QUILLWORT
Vernally wet areas. Spores late spring. Calpine, T21N R13E S24.

FERNS**DENNSTAEDTIACEAE** Bracken Family**PTERIDIUM** Bracken or Brake

Pteridium aquilinum (L.) Kuhn var. *pubescens* Underw. WESTERN BRACKEN FERN
Common, open forest. Yuba Pass, T20N R13E S11.

DRYOPTERIDACEAE Wood Fern Family**DRYOPTERIS** Wood Fern

Dryopteris arguta (Kaulf.) Maxon WOOD FERN
Clefts of rocks and open wooded slopes. One record for Sierra Valley (UC 433179, unknown collector, Sierra Valley, 1890, From the herbarium of J.G. Lemmon). This could be either Sierra or Plumas Co.

EQUISETACEAE Horsetail Family**EQUISETUM** Horsetail, Scouring-Rush

Equisetum arvense L. COMMON HORSETAIL
Scattered in wet shaded areas. Sattley, T21N R14E S31; Sugarloaf, T23N R15E S17.

Equisetum xferrissi Clute FERRIS' HORSETAIL
Uncommon, moist sandy areas. Beckwourth, T23N R14E S26.

Equisetum laevigatum A. Braun SMOOTH SCOURING-RUSH
Fairly frequent in colonies. Sattley, T21N R14E S33; Beckwourth Sattley Road, T21N R14E S21; Sugarloaf, T23N R15E S17.

MARSILEACEAE Water-Clover Family**MARSILEA** Water-Clover

Marsilea oligospora Goodd. NELSON'S WATER CLOVER
Edges of ponds and deeper vernal pools. Calpine, T21N R14E S16.

***Marsilea vestita* Hook. & Grev. subsp. *vestita* HAIRY WATER CLOVER**

Fairly common. Edges of ponds, rivers and ditches. Calpine, T21N R14E S16; Knuthson Meadow, T21N R14E S5; Hwy 49 (between Sierraville and Loyalton), T21N R14E S24.

PILULARIA Pillwort***Pilularia americana* A. Braun AMERICAN PILLWORT**

Infrequent. Vernal wet pools and often overlooked. Marble Lane, T22N R14E S13; Calpine, T21N R14E S16.

POLYPODIACEAE Polypody Family**POLYPODIUM** Polypody***Polypodium californicum* Kaulf. CALIFORNIA POLYPODY**

There are several herbarium sheets attributed to J.G. Lemmon for this taxon in Sierra Valley, though one is annotated to say the fronds are typical of the coastal form. Unlikely that this taxon was collected in the Sierra Valley region.

PTERIDACEAE Brake Family**ASPIDOTIS** Lace Fern***Aspidotis densa* (Brack.) Lellinger DENSE LACE FERN**

Scattered, rocky outcroppings. Beckwourth Sattley Road (near Westside Cemetery), T22N R14E S23.

CRYPTOGRAMMA Rock-Brake***Cryptogramma acrostichoides* R. Br. AMERICAN PARSLEY FERN**

Moist to dry rocky slopes and crevices. Several records for Sierra Valley, but none pinpoint the locality. To be looked for in the Yuba Pass area as this taxon has been collected just to the west.

MYRIOPTERIS Lip Fern***Myriopteris gracillima* (D.C. Eat.) J. Sm. LACE LIP FERN**

Common, rocky areas. Mapes Canyon, T23N R14E S11; Yuba Pass, T20N R13E S11; Antelope Valley, T21N R15E S28; Correo Canyon (S of Vinton), T22N R16E S27; Sierraville, T20N R14E S13; Sugarloaf, T23N R15E S17 [= *Cheilanthes gracillima*].

***Myriopteris intertexta* (Maxon) Grusz & Windham COASTAL LIP FERN**

Crevices and bases of rocky outcrops. One historical record for the Sierra Valley region (SD9552, J.G. Lemmon 1876, Sierra Valley) [= *Cheilanthes intertexta*].

PELLAEA Cliff-Brake***Pellaea brachyptera* (T. Moore) Baker SIERRA CLIFF BRAKE**

Widely scattered, dry rocky ledges. Two historic collections for Sierra Valley (SD9635, R. M. Austin in 1877, Plumas Co. & SD134590, J.G. Lemmon, May 1880, Plumas Co.).

***Pellaea breweri* D.C. Eat. BREWER'S CLIFF BRAKE**

Open rocky slopes or ledges. Dotta Canyon, T24N R15E S31 (this is just outside of the Sierra Valley project area).

***Pellaea bridgesii* Hook. BRIDGE'S CLIFF BRAKE**

Generally N facing granitic rock faces. One historic collection for Sierra Valley (SD19373, Lemmon, s.n., 1876).

***Pellaea mucronata* (D.C. Eat.) D.C. Eat. BIRD'S FOOT FERN**

Dry rocky slope or basalt formations. One historic record for Sierra Valley (SD9665, J.G. Lemmon, s.n., 1876, Plumas Co).

WOODSIACEAE Cliff Fern Family**ATHYRIUM** Lady Fern***Athyrium filix-femina* (L.) Roth var. *cyclosorum* Rupr. WESTERN LADY FERN**

One historical collection for the Sierra Valley region (SBBG45294, J.G. Lemmon, s.n., no date, Sierra Valley).

CYSTOPTERIS Bladder Fern***Cystopteris fragilis* (L.) Bernh. BRITTLE FERN**

Shady stream sides and moist rocky crevices. Beckwourth Sattley Road, T22N R14E S23; Frenchman Lake Road, T23N R16E S4; Sugarloaf, T23N R15E S17.

WOODSIA Cliff Fern***Woodsia oregana* D.C. Eat. WESTERN CLIFF FERN**

Limited, above 4500 ft., dry rocky areas and cliffs. Table Rock (NE of Beckwourth), T23N R15E S7.

***Woodsia scopulina* D.C. Eat. MOUNTAIN CLIFF FERN**

Infrequent, rocky cliffs. Frenchman Lake Road, T23N R16E S3.

GYMNOSPERMS**CUPRESSACEAE Cypress Family****CALOCEDRUS** Incense Cedar***Calocedrus decurrens* (Torr.) Florin INCENSE-CEDAR**

Common on the western slopes and sometimes to the valley floor. There is one tree of this species that measures 5.88" DBH within the project area. Calpine, T21N R14E S16.

JUNIPERUS Juniper***Juniperus grandis* R.P. Adams WESTERN JUNIPER**

Common on the eastern edges of the valley; dry rocky slopes. Loyalton, T21N R16E S17 [= *Juniperus occidentalis* var. *australis*].

***Juniperus occidentalis* Hook. WESTERN JUNIPER**

Common on the eastern edges of the valley; dry rocky slopes. Loyalton, T21N R15E S13.

EPHEDRACEAE Ephedra Family**EPHEDRA**

Ephedra viridis Coville MORMON TEA
Infrequent, sandy to rocky slopes. Beckwourth Pass, T23N R16E S35.

PINACEAE Pine Family

ABIES Fir

Abies concolor (Gordon & Glend.) Hildebr. WHITE FIR
Common on the slopes surrounding the valley. Calpine, T21N R14E S16.

Abies magnifica A. Murray bis var. *magnifica* RED FIR
Frequent, mountain slopes and ridges. Yuba Pass, T20N R13E S11.

PINUS Pine

Pinus contorta Loudon var. *murrayana* (Grev. & Balf.) Critchf. LODGEPOLE PINE
Occasional on the valley floor and meadows on the edges of the valley. Calpine, T21N R14E S16.

Pinus jeffreyi Grev. & Balf. JEFFREY PINE.
Common on valley floor and slopes. Calpine, T21N R14E S16.

Pinus lambertiana Douglas SUGAR PINE
Scattered on the southwestern slopes of the valley. There is one tree of this species in the project area that measures 7.08' DBH. Hwy 49 (W of Sattley), T21N R14E S31.

Pinus monophylla Torr. & Frém. SINGLELEAF PINYON PINE
One lone stand near the head of Doe Canyon, SE of Loyalton (JPS46831, Stephen N. Wyckoff, 12-Sep-1920, Loyalton). Loyalton, T21N R16E S21.

Pinus monticola D. Don WESTERN WHITE PINE
Infrequent on slopes and ridges. Coburn Lake, T20N R14E S20.

Pinus ponderosa Lawson & C. Lawson var. *ponderosa* PONDEROSA PINE
Scattered on valley floor, slopes and ridges. There is one tree of this species in the project area that is 5.62' DBH. Calpine, T21N R14E S16.

Pinus ponderosa Lawson & C. Lawson var. *washoensis* (H. Mason & Stockw.) J.R. Haller & Vivrette
WASHOE PINE
Reported for the E side of Sierra Valley near Loyalton.

PSEUDOTSUGA

Pseudotsuga menziesii (Mirb.) Franco var. *menziesii* DOUGLAS FIR
Infrequent on slopes on W side of valley. There is one tree of this species in the project area that is 7.00' DBH. Calpine, T21N R14E S16 & 18.

TSUGA Hemlock

Tsuga mertensiana (Bong.) Carrière MOUNTAIN HEMLOCK
Local (above 6000 ft.), N slopes where the snow stays the longest. Coburn Lake, T20N R14E S29.

NYMPHAEALES**CABOMBACEAE** Watershield Family**BRASENIA*****Brasenia schreberi*** J.F. Gmel. WATER-SHIELD

Uncommon, shallow ponds. CRPR 2B. Jun-Aug. Hwy 49 (between Sierraville and Sattley), T20N R14E S11.

NYMPHAEACEAE Water-Lily Family**NUPHAR*****Nuphar polysepala*** Engelm. POND LILY

Scattered, sluggish water and ponds. Apr-Aug. Marble Lane, T22N R15E S18; Beckwourth, T23N R14E S27.

MAGNOLIIDS**ARISTOLOCHIACEAE** Pipevine Family**ASARUM** Wild-Ginger***Asarum lemmonii*** S. Wats. LEMMON'S GINGER

Syntype, J.G. Lemmon, #1139, 1875, Sierra County (GH32020). It is more likely the syntype is from the Butterfly Valley area of Plumas Co., even though Lemmon described collecting this specimen at his brother's ranch in Sierra Valley.

CERATOPHYLLALES**CERATOPHYLLACEAE** Hornwort Family**CERATOPHYLLUM*****Ceratophyllum demersum*** L. SUBMERGED HORNWORT

Infrequent, ponds and slow moving streams. Jun-Aug. Ramelli Ranch, T23N R14E S27.

EUDICOTS**ADOXACEAE****SAMBUCUS** Elderberry***Sambucus nigra*** L. subsp. *caerulea* (Raf.) Bolli BLUE ELDERBERRY

Fairly frequent, open slopes and burn areas. Jun-Sep. Beckwourth Sattley Road, T21N R14E S3 [*S. mexicana* misappl.].

Sambucus racemosa L. var. *melanocarpa* (A. Gray) McMinn BLACK ELDERBERRY

Uncommon, streams and meadow margins. Jun-Jul. Yuba Pass, T20N R13E S14 [= *S. m.*].

***Sambucus racemosa* L. var. *racemosa* RED ELDERBERRY**

Scattered, moist or rocky slopes. Jun-Aug. To be looked for in the Yuba Pass area and other locations at higher altitudes [= *S. r.* var. *microbothrys*].

AMARANTHACEAE Amaranth Family**AMARANTHUS** Amaranth***Amaranthus albus* L. WHITE TUMBLEWEED**

Scattered in disturbed areas. Jun-Oct. Dyson Lane, T22N R15E S21; Vinton, T23N R16E S31; Ramelli Ranch, T23N R14E S28.

***Amaranthus blitoides* S. Wats. MAT AMARANTH**

Sandy and waste areas. Jul-Nov. Dyson Lane, T22N R15E S21; Hwy 49 (S of Vinton), T22N R16E S4; Sugarloaf, T23N R15E S17.

***Amaranthus californicus* (Moq.) S. Wats. CALIFORNIA AMARANTH**

On moist flats, sand bars and disturbed areas. Jul-Oct. Ramelli Ranch, T23N R14E S27.

***Amaranthus powellii* S. Wats. POWELL'S AMARANTH**

Disturbed waste places and dry pond margins. Jun-Oct. Hwy 49 (S of Vinton), T22N R16E S4; Calpine, T21N R14E S16.

APIACEAE Carrot Family**ANGELICA** Angelica***Angelica breweri* A. Gray BREWER'S ANGELICA**

Occasional, open wooded slopes. Jun-Aug. Calpine, T21N R14E S18; Yuba Pass, T20N R13E S24.

APIUM Celery***Apium graveolens* L. CELERY**

Naturalizing along the road edge. May-Jul. Sierraville, T20N R14E S13.

BERULA Water-Parsnip***Berula erecta* (Huds.) Coville CUT LEAF WATER PARSNIP**

Marshy areas and springs. Jul-Oct. One historical record for Sierra Valley (JEPS16044, J.G. Lemmon, 1889, Sierra Co.).

CICUTA Water Hemlock***Cicuta douglasii* (DC.) J.M. Coult. & Rose WESTERN WATER HEMLOCK**

Frequent in roadside ditches and sluggish water. Jun-Sep. Marble Lane, T22N R15E S18; Ramelli Ranch, T213N R14E S27; Hwy 49 (between Sierraville and Sattley), T20N R14E S10.

CONIUM Poison Hemlock***Conium maculatum* L. POISON-HEMLOCK**

Common on road edges and waste places. May-Jul. Hwy 49 (between Sattley and Sierraville), T20N R14E S13.

CYMOPTERUS

Cymopterus terebinthinus (Hook.)Torr. & A. Gray var. *californicus* (J.M. Coult. & Rose) Jeps.
CALIFORNIA SPRING PARSLEY

Rocky areas. May-Jun. To be looked for in the Yuba Pass and Lincoln Ridge areas. Found to the S and W of the project area.

DAUCUS Carrot

Daucus carota L. QUEEN ANNE'S LACE

Waif. One visual sighting along the Beckwourth Sattley Road approximately 1 mi S of the Plumas-Sierra County line. T21N R14E S4. Jul-Aug 2007.

ERYNGIUM Coyote-Thistle

Eryngium alismifolium Greene ALISMA-LEAVED BUTTON CELERY

Infrequent, drying swales and roadside ditches. Jun-Aug. Marble Lane, T22N R14E S13; Calpine, T21N R14E S16; Ramelli Ranch, T22N R14E S27.

HERACLEUM

Heracleum maximum W. Bartram COW-PARSNIP

Scattered in moist shaded areas. May-Jul. Yuba Pass, T20N R13E S11.

LIGUSTICUM Lovage

Ligusticum grayi J.M. Coult. & Rose GRAY'S LOVAGE

Higher elevations, mostly red fir forest. Jul-Aug. Yuba Pass, T20N R13E S11.

LOMATIUM

Lomatium canbyi (J.M. Coult. & Rose) J.M. Coult. & Rose CANBY'S LOMATIUM,
CHUCKLUSA

Sagebrush steppe. CRPR 4. Apr-May. Found just to the N in Red Clover Valley. To be looked for in the hills on the N end of Sierra Valley.

Lomatium dissectum (Nutt.) Mathias & Constance var. *multifidum* (Nutt.) Mathias & Constance
FERN LEAF LOMATIUM

Wooded or brushy slopes. May-Jul. Ramelli Ranch, T23N R14E S27; Sattley, T20N R14E S4; Beckwourth Sattley Road, T22N R14E S23.

Lomatium macrocarpum (Torr. & A. Gray) J.M. Coult. & Rose LARGE-FRUITED LOMATIUM

Frequent, dry slopes and flats. May-Jul. The Buttes, T23N R15E S28; Antelope Valley, T21N R15E S33; Sattley, T20N R14E S10; Sugarloaf, T23N R15E S17.

Lomatium nevadense (S. Wats.) J.M. Coult. & Rose var. *nevadense* NEVADA LOMATIUM

Frequent, sagebrush scrub, rocky to sandy dry slopes. Apr-Jul. Frenchman Lake Road, T23N R15E S25; Calpine, T21N R14E S16.

Lomatium nudicaule (Pursh) J.M. Coult. & Rose PESTLE STEM LOMATIUM

Frequent, clay flats and slopes. Apr-Jun. Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

Lomatium piperi J.M. Coult. & Rose PIPER'S LOMATIUM

Frequent, clay soils. Mar-May. Often missed because of its small size and early bloom period. Calpine, T21N R14E S16.

Lomatium plummerae (J.M. Coult. & Rose) J.M. Coult. & Rose PLUMAS LOMATIUM

Fairly frequent on open slopes and meadow edges, often with sagebrush. Apr-Jul. Beckwourth Pass, T22N R17E S6; Beckwourth Sattley Road (N of Sattley), T21N R14E S28; Antelope Valley, T21N R15E S28 & S33.

OROGENIA***Orogenia fusiformis*** S. Wats. CALIFORNIA OROGENIA

Clay flats and wooded areas. Apr-Jun. Often overlooked or confused for *Lomatium piperi*. Calpine, T21N R14E S16.

OSMORHIZA Sweet Cicely***Osmorhiza berteroi*** DC. MOUNTAIN SWEET CICELY

Common in moist woods and forests. Apr-Jul. Yuba Pass, T20N R13E S11 [*O. chilensis*].

Osmorhiza brachypoda Torr. CALIFORNIA SWEET CICELY

Conifer forests. May-Jun. To be looked for as this taxon has been reported from just W of the Yuba Pass area.

Osmorhiza depauperata Phil. DEPAUPERATE SWEET CICELY

Aspen and conifer woodlands. Apr-Jun. One historical record for the Sierra Valley region (JEPS15949, J.G. Lemmon, circa 1883, Sierra Valley).

Osmorhiza occidentalis (Nutt.) Torr. WESTERN SWEET CICELY

Moist woods and forests. May-Jul. Yuba Pass, T20N R13E S11.

OXYPOLIS***Oxypolis occidentalis*** J.M. Coult. & Rose COW-BANE

Shallow water or wet places. Jul-Sep. Sattley, T20N R14E S9.

PERIDERIDIA Yampah***Perideridia bolanderi*** (A. Gray) A. Nels. & J.F. Macbr. subsp. *bolanderi* BOLANDER'S YAMPAH

Frequent, meadows and surrounding slopes. Jun-Aug. Hwy 89 (N of Sattley), T21N R14E S32; Beckwourth Sattley Road, T22N R14E S18; Sugarloaf, T23N R15E S17.

Perideridia howellii (J.M. Coult. & Rose) Mathias HOWELL'S YAMPAH

Uncommon, wet meadows and spring areas. Jul-Aug. Sattley, T20N R14E S9; Calpine, T21N R14E S19; Sierraville, T20N R15E S16.

Perideridia lemmonii (J.M. Coult. & Rose) T.I. Chuang & Constance LEMMON'S YAMPAH

Common, moist to drying clay soils. Jul-Aug. Beckwourth Sattley Road, T21N R14E S9; Sattley, T20N R14E S10.

Perideridia parishii (J.M. Coult. & Rose) A. Nels. & J.F. Macbr. subsp. *latifolia* (A. Gray) T.I. Chuang & Constance PARISH'S YAMPAH
Frequent, moist meadows and open moist flats. Jul-Aug. Ramelli Ranch, T23N R14E S27.

SANICULA Snakeroot

Sanicula bipinnatifida Hook. PURPLE SANICLE
Open conifer forest. May-Jun. Calpine (Mtn. Quail Road), T21N R14E S20.

Sanicula graveolens DC. SIERRA SANICLE
Frequent, open forest floors. Apr-Jun. Calpine, T21N R14E S16.

Sanicula tuberosa Torr. TUBEROUS SANICLE
Frequent, open forest floors and slopes. Mar-Jul. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27.

SIUM Water Parsnip

Sium suave Walter WATER PARSNIP
Uncommon, marshes & wetlands. Jul-Aug. Marble Lane, T22N R14E S13.

SPHENOSCIADIUM

Sphenosciadium capitellatum A. Gray RANGER BUTTONS
Uncommon. Meadows and swampy places near streams and seeps. Jul-Aug. Sattley, T20N R14E S9; Yuba Pass, T20N R13E S11.

APOCYNACEAE Dogbane Family

APOCYNUM Dogbane

Apocynum androsaemifolium L. SPREADING DOGBANE
Common on open forest floors. Jun-Aug. Calpine, T21N R14E S20; Hwy 49 (W of Sattley), T21N R14E S31.

Apocynum cannabinum L. INDIAN HEMP
Uncommon, disturbed areas. Jul-Aug. Calpine, T21N R14E S17.

ASCLEPIAS Milkweed

Asclepias cordifolia (Benth.) Jeps. PURPLE MILKWEED
Scattered in open wooded and rocky areas. Apr-Jul. Sattley, T20N R14E S4.

Asclepias eriocarpa Benth. KOTOLO MILKWEED
Uncommon, dry barren areas. Jun-Jul. Marble Lane, T22N R14E S13.

Asclepias fascicularis Decne. NARROW-LEAVED MILKWEED
Uncommon, rocky slopes and dry rocky stream beds. Jun-Sep. Antelope Valley, T21N R15E S28; Sugarloaf, T23N R15E S17.

***Asclepias speciosa* Torr. SHOWY MILKWEED**

Open fields, slopes and disturbed areas. May-Jul. Hwy 49 (W of Sattley), T20N R13E S30; Sierraville, T20N R14E S13 & T20N R15E S18; Sugarloaf, T23N R15E S17.

ASTERACEAE Sunflower Family**ACHILLEA**

Yarrow

***Achillea millefolium* L.**

YARROW. Common on valley floor and mountain slopes. Jun-Aug. Calpine, T21N R14E S16.

ACROPTILON Russian Knapweed***Acroptilon repens* (L.) DC. RUSSIAN KNAPWEED**

Disturbed roadsides and fields. May-Sep. Dyson Lane (W of Hwy 49), T22N R16E S20; Sugarloaf, T23N R15E S17 [= *Centaurea r.*].

ADENOCAULON***Adenocaulon bicolor* Hook. TRAIL-PLANT**

Moist shaded woods and slopes. Jun-Sep. Sattley, T20N R14E S9; Calpine, T21N R14E S20.

AGERATINA***Ageratina occidentalis* (Hook.) King & Rob. WESTERN JOE PYE WEED**

Rocky slopes and rocky areas along streams. Jun-Oct. To be looked in the higher elevation forest areas [= *Eupatorium o.*].

AGOSERIS Mountain Dandelion***Agoseris aurantiaca* (Hook.) Greene var. *aurantiaca* ORANGE-FLOWERED AGOSERIS**

Mountain meadows and other moist places. Jul-Aug. To be looked for in the Yuba Pass area.

***Agoseris xdasycarpa* Greene HYBRID AGOSERIS**

Wet meadows. May-Aug. Marble Lane, T22N R14E S13.

***Agoseris glauca* (Pursh) Raf. var. *glauca* MOUNTAIN AGOSERIS**

Generally wet meadows. Jun-Jul. Dyson Lane, T23N R15E S31; Ramelli Ranch, T23N R14E S27; Marble Lane, T22N R15E S18.

***Agoseris grandiflora* (Nutt.) Greene var. *grandiflora* CALIFORNIA DANDELION**

Common, sagebrush scrub. Apr-Jul. Beckwourth, T23N R14E S25; Loyaltan, T21N R15E S13.

***Agoseris heterophylla* (Nutt.) Greene var. *heterophylla* ANNUAL AGOSERIS**

Common, open grassy areas and slopes. Apr-Jul. Marble Lane, T22N R14E S13; Antelope Valley, T21N R15E S27; Beckwourth Pass, T22N R17E S6; Calpine, T21N R14E S20.

***Agoseris monticola* Greene MOUNTAIN AGOSERIS**

Edges of meadows and rocky slopes. Jul-Nov. Ramelli Ranch, T23N R14E S27.

Agoseris parviflora (Nutt.) D. Dietr. FALSE MOUNTAIN AGOSERIS
Open sagebrush scrub. May-Jul. Ramelli Ranch, T23N R14E S27.

Agoseris retrosa (Benth.) Greene SPEAR-LEAVED AGOSERIS
Common, dry slopes and flats. May-Jul. Calpine, T21N R14E S16 & S18; Hwy 89 (N of Sattley), T21N R14E S29.

AMBROSIA

Ambrosia acanthicarpa Hook. ANNUAL-BURWEED, SAND BUR
Disturbed sandy areas along roads. Aug-Nov. Hwy 49 (S of Vinton), T23N R16E S4; Vinton Cemetery, T23N R16E S35; Sugarloaf, T23N R15E S17.

ANAPHALIS Everlasting

Anaphalis margaritacea (L.) Benth. PEARLY EVERLASTING
Frequent in open woods. Jun-Aug. Calpine, T21N R14E S29.

ANISOCOMA

Anisocoma acaulis Torr. & A. Gray SCALE-BUD
Sandy road cuts and flats. May-Jun. Frenchman Lake Road, T23N R16E S24.

ANTENNARIA Pussytoes

Antennaria argentea Benth. SILVERY EVERLASTING
Open woods and dry open slopes. Apr-Jul. Mapes Canyon, T23N R14E S11; Antelope Valley, T21N R15E S33; Hwy 89 (N of Sattley), T21N R14E S29.

Antennaria dimorpha (Nutt.) Torr. & A. Gray LOW EVERLASTING
Common on rocky slopes and clay flats. Mar-Jun. Calpine, T21N R14E S16; Hwy 49 (N of Loyalton), T21N R16E S5; Newman Point, T21N R14E S25.

Antennaria geyeri A. Gray GEYER'S EVERLASTING
Frequent. Open sagebrush flats. Jun-Jul. Ramelli Ranch, T23N R14E S27; Dyson Lane, T23N R15E S31.

Antennaria luzuloides Torr. & A. Gray subsp. *aberrans* (E.E. Nelson) R.J. Bayer & Stebbins RUSH PUSSYTOES
Open meadows. May-Jul. One record for Sierra Valley (CAS917028, J.T. Howell, 37789, 18 Jun 1962; "Sierra Valley near Beckworth").

Antennaria luzuloides Torr. & A. Gray var. *luzuloides* SILVERY-BROWN EVERLASTING
Common on slopes and clay flats. May-Jul. Beckwourth Sattley Road, T22N R14E S11; Antelope Valley, T21N R15E S16; Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27.

Antennaria microphylla Rydb. SMALL-LEAVED PUSSYTOES
Fairly frequent, dry meadows. Jul-Sep. Ramelli Ranch, T22N R14E S27.

Antennaria rosea Greene ROSY EVERLASTING
Uncommon, meadow edges & rocky barrens. Jun-Aug. Sugarloaf, T23N R15E S17.

ANTHEMIS May Weed*Anthemis arvensis* L. CORN CHAMOMILE

One record for Sierra Valley (UCD72551, A.M. Shapiro, "about 1.6 mi N of Sierraville," Sep. 17, 2008). Sierraville, T20N R15E S6.

Anthemis cotula L. MAY WEED, DOG FENNEL

Uncommon, disturbed areas. Apr-Aug. Sugarloaf, T23N R15E S17.

ARCTIUM Burdock*Arctium minus* (Hill) Bernh. COMMON BURDOCK

Uncommon, limited to waste places. Jun-Sep. Ramelli Ranch, T23N R14 S27.

ARNICA*Arnica chamissonis* Less. MEADOW ARNICA

Wet meadows. Jun-Aug. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27; Marble Lane, T22N R15E S17 [*A.c.* subsp. *foliosa*].

Arnica cordifolia Hook. HEARTLEAF ARNICA

Drying stream beds and open slopes. May-Aug. Calpine, T21N R14E S17; Ramelli Ranch, T23N R14E S27; Sattley, T20N R14E S9.

Arnica dealbata (A. Gray) B.G. Baldwin MOCK LEOPARDBANE

Drying forest meadows. Jun-Aug. Yuba Pass, T20N R13E S25 [= *Whitneya d.*].

Arnica discoidea Benth. RAYLESS ARNICA

Scattered colonies in open woods and slopes. Jun-Aug. Calpine, T21N R14E S20 & T21N R13E S24; Sierraville, T20N R15E S19.

Arnica latifolia Bong. BROADLEAF or MOUNTAIN ARNICA

Moist open places. Usually above 5500 ft. Jul-Aug. To be looked for. Found to the W in the Mohawk Valley area.

Arnica longifolia D.C. Eat. SEEP-SPRING or LONG-LEAF ARNICA

Well drained soils around springs, cliffs and streams. Jul-Aug. To be looked for in the higher elevations.

Arnica mollis Hook. HAIRY ARNICA

Common in mountain meadows, about 7000 ft. Jun-Aug. Coburn Lake, T20N R13E S29.

Arnica nevadensis A. Gray SIERRA ARNICA

Open woods and slopes. Jul-Aug. Hwy 89 (NW of Sattley), T21N R14E S29.

ARTEMISIA Sagebrush*Artemisia arbuscula* Nutt. subsp. *arbuscula* LOW SAGEBRUSH

Common on clay flats. Jul-Aug. Beckwourth, T22N R14E S27; Calpine, T21N R14E S16.

Artemisia biennis Willd. BIENNIAL SAGEWORT

Locally frequent, moist waste places. Aug-Oct. Heriot Lane, T22N R15E S21; Ramelli Ranch, T23N R14E S26 & S28.

Artemisia cana Pursh subsp. ***bolanderi*** (A. Gray) G.H. Ward SILVER SAGEBRUSH
Locally frequent, moister portions of sagebrush flats. Aug-Sep. Beckwourth Sattley Road, T22N R14E S11; Ramelli Ranch, T23N R14E S27; Hwy 49 (W of Loyalton), T21N R15E S17.

Artemisia douglasiana Besser DOUGLAS'S MUGWORT
Common along river bottoms and waste places. Jun-Oct. Ramelli Ranch, T23N R14E S27; Sierraville, T20N R15E S7; Yuba Pass, T20N R13E S14; Sugarloaf, T23N R15E S17.

Artemisia dracunculus L. TARRAGON
Disturbed, more or less dry places. Aug-Sep. Dyson Lane, T22N R16E S18; Hwy 49 (N of Sierraville), T21N R14E S36; Sierraville, T20N R15E S6; Ramelli Ranch, T23N R14E S28.

Artemisia ludoviciana Nutt. subsp. ***incompta*** (Nutt.) D.D. Keck WHITE SAGEBRUSH
Dry open slopes. Jul-Sep. Antelope Valley, T20N R15E S3.

Artemisia ludoviciana Nutt. subsp. ***ludoviciana*** WESTERN MUGWORT
Dry open places. Jul-Sep. Ramelli Ranch, T23N R14E S29; Dyson Lane (A-24), T22N R15E S6; Sugarloaf, T23N R15E S17.

Artemisia nova A. Nels. BLACK SAGEBRUSH
Uncommon, more or less moist clay soils. Jul-Sep. Beckwourth Sattley Road, T21N R14E S9.

Artemisia tridentata Nutt. subsp. ***tridentata*** GREAT BASIN SAGEBRUSH
Common, slopes and valley floor. Aug-Sep. Beckwourth Pass, T22N R17E S6.

Artemisia tridentata Nutt. subsp. ***vaseyana*** (Rydb.) Beetle MOUNTAIN SAGEBRUSH
Common on open slopes. Aug-Sep. Sierraville, T20N R15E S16.

Artemisia tridentata Nutt. subsp. ***wyomingensis*** Beetle & A. Young WYOMING BIG SAGEBRUSH
One record for the Sierra Valley Region (UTC00245787, L.M. Shultz & Heather Garrison, #20319, ca. 2 mi W of Vinton, 03 August 2006). Vinton, T23N R15E S20.

BALSAMORHIZA Balsamroot

Balsamorhiza deltoidea Nutt. DELTOID BALSAMROOT
Openings in sagebrush and woodlands. Apr-Jun. Newman Point, T21N R14E S25.

Balsamorhiza hookeri Nutt. HOOKER'S BALSAMROOT
Dry slopes and flats. May-Jul. Newman Point, T21N R14E S25; Calpine, T21N R14E S16; Sierraville, T20N R14E S13.

Balsamorhiza lanata (W.M. Sharp) W.A. Weber WOLLY BALSAMROOT
Grassy slopes. Apr-Jun. Sattley, T21N R14E S33; Hwy 70, T23N R15E S28.

Balsamorhiza sagittata (Pursh) Nutt. ARROWLEAF BALSAMROOT
Common on dry open slopes. May-Jul. Beckwourth, T23N R14E S27; Knuthson Meadows, T21N R14E S6; Newman Point, T21N R14E S25; Sugarloaf, T23N R15E S17.

BIDENS Bur-Marigold

Bidens cernua L. NODDING BUR-MARIGOLD

Edges of slow moving streams and ponds. Jul-Oct. Sierraville, T20N R14E S11; Antelope Valley, T21N R15E S17.

BLEPHARIPAPPUS

Blepharipappus scaber Hook. ROUGH EYELASH

Common, rocky slopes and arid places. Jun-Aug. Beckwourth, T23N R14E S25; Marble Lane, T22N R14E S13; Loyalton, T21N R16E S30; Beckwourth Sattley Road, T22N R14E S11.

BRICKELLIA

Brickellia microphylla (Nutt.) A. Gray LITTLE LEAVED BRICKELLIA

Uncommon, rocky areas. Jul-Oct. Sugarloaf, T23N R15E S17.

CARDUUS

Carduus acanthoides L. PLUMELESS THISTLE

Uncommon, disturbed areas and fields. Jul-Sep. Hwy 70, T23N R15E S35.

Carduus nutans L. MUSK THISTLE

Disturbed roadsides and fields. Jun-Jul. Hwy 49, T22N R16E S29; Loyalton, T21N R15E S14.

CENTAUREA Star Thistle

Centaurea cyanus L. BACHELORS BUTTON, CORNFLOWER

Scattered patches on roadsides. May-Sep. Dyson Lane (S of Hwy 70), T22N R15E S8; Calpine, T21N R14E S16.

Centaurea diffusa Lam. DIFFUSE KNAPWEED

Limited, roadside edges. May-Oct. To be eradicated whenever found. Beckwourth, T23N R15E S26; Chilcoot, T23N R16E S36.

Centaurea solstitialis L. YELLOW STAR THISTLE

Uncommon, disturbed roadsides and fields. Jun-Oct. To be eradicated whenever found. Marble Lane, T22N R14E S13; Lemmon Canyon Road, T20N R15E S17; Sugarloaf, T23N R15E S17.

Centaurea stoebe L. subsp. *micranthos* (Gugler) Hayek SPOTTED KNAPWEED

Limited, roadside edges. To be eradicated whenever found. Noxious weed. Jul-Aug. Beckwourth Sattley Road, T22N R14E S26 [= *C. maculosa*].

CHAENACTIS Pincushion

Chaenactis douglasii (Hook.) Hook. & Arn. var. *douglasii* DUSTY MAIDENS, HORSEWEED

Common in open forest and sagebrush slopes. Jun-Jul. Beckwourth Sattley Road, T22N R14E S34; Beckwourth Pass, T22N R17E S6; Antelope Valley, T21N R15E S21; Calpine, T21N R14E S16 & S20; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

Chaenactis stevioides Hook. & Arn. DESERT PINCHUSION

Open sandy slopes. Apr-Jun. To be looked for as this taxon has been found within 1 mi of project area NE of Chilcoot.

CHRYSOTHAMNUS Rabbit-Brush

Chrysothamnus viscidiflorus (Hook.) Nutt. subsp. *viscidiflorus* STICKY RABBITBRUSH
Common on valley floor and slopes. Jul-Oct. Sierraville, T20N R15E S7; Marble Lane, T22N R14E S13.

CICHORIUM Chicory

Cichorium intybus L. CHICORY
Fairly frequent, roadsides. Jun-Sep. Sattley, T20N R14E S4; Loyalton, T21N R15E S13; Sugarloaf, T23N R15E S17.

CIRSIUM Thistle

Cirsium andersonii (A. Gray) Petr. ANDERSON'S THISTLE
Fairly common, dry slopes. Jun-Sep. Calpine, T21N R14E S20.

Cirsium arvense (L.) Scop. CANADA THISTLE
Scattered in roadside ditches. Jun-Sep. Sierraville, T20N R15E S7.

Cirsium canescens Nutt. PRAIRIE THISTLE
Dry scrublands. May-Aug. Two confirmed locations in Sierra Valley; 1 mi N of Loyalton on Hwy 49, Sierra Co.(CDA1132, J. Budaj, s.n.); 1 mi N of Sierra/Plumas County line on Hwy. 49, Plumas Co (CDA1126, T.C. Fuller, 17318).

Cirsium cymosum (Greene) Jeps. PEREGRINE THISTLE
Uncommon, dry rocky slopes. Jun-Aug. Antelope Valley, T21N R15E S21; The Buttes, T23N R15E S28.

Cirsium occidentale (Nutt.) Jeps. var. *candidissimum* (Greene) J.F. Macbr. SNOWY THISTLE
Scattered, rocky slopes. Apr-Aug. Mapes Canyon, T23N R14E S11; Sierraville, T20N R15E S6; Sugarloaf, T23N R15E S17.

Cirsium ochrocentrum A. Gray var. *ochrocentrum* YELLOW SPINED THISTLE
Uncommon, introduced from central U.S. Apr-Jul. Hwy 49, T22N T16E S32; Loyalton, T21N R15E S13.

Cirsium scariosum Nutt. ELK THISTLE
Common in meadows. Jun-Aug. Antelope Valley, T21N R15E S16; Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

Cirsium undulatum (Nutt.) Spreng. WAVYLEAF THISTLE
Disturbed areas. Jun-Aug. Hwy 49 (1 mi N of Sierra-Plumas Co. line), T22N R16E S29.

Cirsium vulgare (Savi) Ten. BULL THISTLE
Common, roadside ditches. May-Oct. Sierraville, T20N R15E S7; Sugarloaf, T23N R15E S17.

CREPIS Hawksbeard

Crepis acuminata Nutt. LONG-LEAF HAWKSBEARD
Frequent, sagebrush flats and slopes. May-Aug. Newman Point, T21N R14E S25; Sugarloaf, T23N R15E S17.

***Crepis bakeri* Greene subsp. *bakeri* BAKER'S HAWKSBEARD**

Widely scattered. Jul-Aug. Marble Lane, T22N R15E S18; Newman Point, T21N R14E S25; E slope of Beckwourth Peak, T22N R14E S9; Calpine, T21N R14E S29.

***Crepis intermedia* A. Gray. INTERMEADIATE HAWKSBEARD**

Common, dry rocky sagebrush scrub. Jun-Aug. Loyalton, T21N R15E S27; Newman Point, T21N R14E S25; Antelope Valley, T21N R15E S27.

***Crepis modocensis* Greene subsp. *subacaulis* (Kellogg) Babc. & Stebbins LOW HAWKSBEARD**

Fairly common, open areas in pines on the edges of the valley. Jun-Aug. Sattley, T20N R14E S33; Beckwourth Sattley Road, T22N R14E S26.

***Crepis occidentalis* Nutt. subsp. *costata* (A. Gray) Babc. & Stebbins WESTERN HAWKSBEARD**

Uncommon, dry rocky flats. Jun-Jul. Newman Point, T21N R14E S25.

***Crepis occidentalis* Nutt. subsp. *occidentalis* WESTERN HAWKSBEARD**

Common, dry rocky flats. Jun-Jul. Newman Point, T21N R14E S25; Loyalton, T21N R16E S29.

***Crepis occidentalis* Nutt. subsp. *pumila* (Rydb.) Babc. & Stebbins WESTERN HAWKSBEARD**

Uncommon, dry rocky flats. Jun-Jul. Newman Point, T21N R14E S25; Loyalton, T21N R16E S29; Sierraville, T20N R15E S19.

***Crepis runcinata* (E. James) Torr. & A.Gray subsp. *andersonii* (A. Gray) Babc. & Stebbins ANDERSON'S MEADOW HAWKSBEARD**

Meadows and subalkaline flats. One record for Sierra Valley, (RENO20825 & CAS824120; W. & N. Harnach, 146, Jun 17, 1989). Jun-Jul. Marble Lane, T22N R14E S17.

DIETERIA***Dieteria canescens* (Pursh) Nutt. var. *canescens* HOARY ASTER**

Fairly frequent, dry sandy or gravelly slopes. Jul-Sep. Beckwourth, T23N R14E S27; Calpine, T21N R14E S16; Antelope Valley, T21N R15E S8; Sugarloaf, T23N R15E S17 [= *Machaeranthera c.* var. *c.*].

ERICAMERIA***Ericameria bloomeri* (A. Gray) J.F. Macbr. BLOOMER'S GOLDENBUSH**

Fairly common. Jul-Oct. Hwy 49 Vista Point, T21N R14E S31; Ramelli Ranch, T23N R14E S28.

***Ericameria nauseosa* (Pall.) Nesom & Baird var. *oreophila* (A. Nels.) Nesom & Baird YELLOW-GREEN RABBITBRUSH**

Common on the valley floor with sagebrush. Jul-Sep. Dyson Lane, T22N R15E S16; Marble Lane, T22N R14E S13; Sierraville, T20N R15E S6 [= *Chrysothamnus n.* subsp. *consimilis*].

***Ericameria nauseosa* (Pall.) Nesom & Baird var. *speciosa* (Nutt.) Nesom & Baird RUBBER RABBITBRUSH**

Sagebrush scrub. Aug-Oct. Sierraville, T20N R15E S20; Heriot Lane, T21N R15E S9; Beckwourth Pass, T22N R17E S6 [= *Chrysothamnus n.* subsp. *albicaulis*].

***Ericameria parryi* (A. Gray) Nesom & Baird var. *nevadensis* (A. Gray) Nesom & Baird PARRY'S RABBITBRUSH**

Sagebrush scrub and open forest. Jul-Sep. Ramelli Ranch, T23N R14E S27; Hwy 49 (N of Sierraville), T21N R14E S36; Beckwourth, T23N R14E S26; Calpine, T21N R14E S16 [= *Chrysothamnus p.* subsp. *n.*].

ERIGERON Wild Daisy***Erigeron aphanactis* (A. Gray) Greene var. *aphanactis* BASIN RAYLESS DAISY**

Sagebrush and juniper scrub. Apr-Sep. Two historical records for Sierra Valley (CAS6216, Alice Eastwood, #7855, Jul 29, 1918, Loyalton & JEPS41414, J.G. Lemmon, Sierra Valley).

***Erigeron barbellulatus* Greene SHINING DAISY**

Rocky slopes and ridge tops. Jun-Jul. Beckwourth Peak, T22N R14E S9.

***Erigeron bloomeri* A. Gray var. *bloomeri* BLOOMER'S DAISY**

Sagebrush scrub and slopes. Jun-Aug. Marble Lane, T22N R14E S13; Antelope Valley, T21N R15E S33.

***Erigeron canadensis* L. HORSEWEED**

Disturbed areas. Jun-Sep. Calpine, T21N R14E S16 & S17; Ramelli Ranch, T23N R14E S27 [= *Conyza c.*].

***Erigeron chrysopsidis* A. Gray subsp. *austiniae* (Greene) Cronq. AUSTIN'S FLEABANE**

Sagebrush scrub and rocky slopes. May-Jun. To be looked for as this taxon has been found just to the N of Sierra Valley in the Crystal Peak, Plumas Co. area [= *Erigeron austiniae*].

***Erigeron coulteri* Porter COULTER'S DAISY**

Stream banks and wet meadows. Jul-Aug. Coburn Lake, T20N R14E S29.

***Erigeron divergens* Torr. & A. Gray DIFFUSE DAISY**

Fairly common, moist or dry sandy soils. May-Oct. Beckwourth, T23N R14E S11; Loyalton, T21N R15E S27; Antelope Valley, T21N R15E S17; Sugarloaf, T23N R15E S17.

***Erigeron eatonii* A. Gray var. *nevadincola* (S.F. Blake) G.L. Nesom NEVADA DAISY**

Uncommon, rocky volcanic soils. CRPR 2B. May-Jul. Newman Point, T21N R14E S25; Antelope Valley, T21N R15E S16.

***Erigeron eatonii* A. Gray var. *plantagineus* (Greene) Cronq. EAT.'S DAISY**

Clay flats, sagebrush scrub. Apr-Jun. Calpine, T21N R14E S16.

***Erigeron eatonii* A. Gray var. *sonnei* (Greene) Nesom EAT.'S DAISY**

Infrequent, rocky slopes and sagebrush scrub. May-Jun. Loyalton, T21N R16E S8; Ramelli Ranch, T23N R14E S27; Antelope Valley, T21N R15E S17; Sattley, T20N R14E S4.

***Erigeron filifolius* (Hook.) Nutt. THREAD-LEAVED DAISY**

Fairly common, dry sandy soils, open pine forest. Jun-Aug. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27; Beckwourth Pass, T22N R17E S6; Sugarloaf, T23N R15E S17.

***Erigeron glacialis* (Nutt.) A. Nels. var. *glacialis* WANDERING DAISY**

Forest clearings and meadows. Jul-Sep. Yuba Pass Road, T20N R13E S25 [= *E. peregrinus* var. *callianthemus*].

Erigeron inornatus (A. Gray) A. Gray var. *inornatus* CALIFORNIA RAYLESS DAISY
Conifer forests. Jun-Sep. Sattley, T21N R14E S32; Calpine, T21N R14E 20.

Erigeron lassenianus Greene var. *lassenianus* LASSEN DAISY
Gravelly soils on meadow edges. Jun-Sep. Sattley, T21N R14E S32; Antelope Valley, T21N R15E S35.

Erigeron linearis (Hook.) Piper DESERT YELLOW DAISY
Sagebrush scrub and open slopes. May-Jul. To be looked for as this taxon has been collected just N of Sierra Valley.

Erigeron petrophilus Greene var. *viscidulus* (A. Gray) G.L. Nesom KLAMATH DAISY
Rocky slopes and forest. Jul-Sep. One historical record for Sierra Valley (JEPS41436, J.G. Lemmon, Jul 1, 1883, Sierra Valley).

Erigeron pumilus Nutt. var. *intermedius* Cronq. HAIRY DAISY
Fairly common, valley floor and open slopes. Jun-Aug. Marble Lane, T22N R14E S13; Loyalton, T21N R16E S5; Hwy 49 (S of Vinton), T22N R16E S10; Ramelli Ranch, T23N R14E S27.

ERIOPHYLLUM

Eriophyllum lanatum (Pursh) J. Forbes var. *integrifolium* (Hook.) Smiley OREGON SUNSHINE
Common, sagebrush slopes, sandy flats. Jun-Sep. Ramelli Ranch, T23N R14E S27; Loyalton, T21N R15E S16.

EUCEPHALUS Aster

Eucephalus breweri (A. Gray) Nesom BREWER'S ASTER
Meadows and open forest. Jul-Oct. Coburn Lake, T20N R13E S29; Yuba Pass, T20N R13E S14 [= *Aster b.*].

EURYBIA

Eurybia integrifolia (Nutt.) Nesom ENTIRE LEAVED ASTER
Forest floor and edges of dry meadows. Jul-Sep. Coburn Lake, T20N R13E S29; Calpine, T21N R14E S20 [= *Aster integrifolius*].

GNAPHALIUM Cudweed

Gnaphalium palustre Nutt. WESTERN MARSH CUDWEED
Roadside ditches and drying potholes. May-Oct. Calpine, T21N R14E S17 & S20; Beckwourth Sattley Road (at Calpine Road), T21N R14E S16; Ramelli Ranch, T23N R14E S27; Sattley, T21N R14E S33; Sugarloaf, T23N R15E S17.

GRINDELIA Gumweed

Grindelia nana Nutt. IDAHO RESIN-WEED
Locally common, open rocky slopes and roadsides. Jul-Sep. Beckwourth Pass, T23N R17E S6; Hwy 49 (S of Vinton), T22N R16E S4; Calpine, T21N R14E S20.

Grindelia squarrosa (Pursh) Dunal var. *serrulata* (Rydb.) Steyerm. RESIN-WEED
Disturbed areas and roadsides. Jul-Sep. Sattley, T20N R14E S4; Beckwourth, T23N R14E S27;
Chilcoot, T232N R16E S36.

GUTIERREZIA

Gutierrezia sarothrae (Pursh) Britton & Rusby COMMON SNAKEWEED
Sagebrush slopes. May-Oct. Two historical sheets from Sierra Valley (UC196513, unknown, Aug. 1,
1880, Sierra Valley, from Lemmon Herbarium & DS206063, Lemmon, s.n., Aug. 1880, Sierra Co.,
Sierra Valley). This taxon was probably collected in Santa Barbra Co. based on the date and range of
species.

HAZARDIA

Hazardia whitneyi (A. Gray) Greene WHITNEY'S GOLDENBUSH
Open forest. Jul-Sep. Calpine, T21N R14E S19.

HELIANTHELLA

Helianthella californica A. Gray var. *nevadensis* (Greene) Jeps. SIERRA NEVADA
HELIANTHELLA
Open forest and meadows. May-Sep. Ramelli Ranch, T23N R14E S27; Antelope Valley, T21N R15E
S33; Sugarloaf, T23N R15E S17.

HELIANTHUS Sunflower

Helianthus annuus L. COMMON SUNFLOWER
Scattered, roadsides and dry stream areas. Jul-Aug. Lemmon Canyon, T20N R15E S17; Calpine,
T21N R14E S29.

Helianthus bolanderi A. Gray BOLANDER'S SUNFLOWER
Uncommon, disturbed areas and roadsides. Jul-Oct. Calpine, T21N R14E S20 & S29.

Helianthus exilis A. Gray SERPENTINE SUNFLOWER
Sagebrush flats and gravelly streams. Jun-Oct. One record for Sierra Valley (CAS896342, Lewis S.
Rose, #55162, Jul 20, 1955, 2 mi S of Calpine).

HEMIZONELLA Tarweed

Hemizonella minima (A. Gray) A. Gray DWARF TARWEED
Common, open flats and slopes. May-Jul. Sattley, T20N R14E S9 & S28; Calpine, T21N R14E S16;
Beckwourth Sattley Road, T22N R14E S2 [*Madia m.*].

HETEROTHECA Goldenaster

Heterotheca villosa (Pursh) Shinnars var. *minor* (Hook.) Semple TELEGRAPH WEED
Frequent, sandy areas and roadsides. Jul-Sep. Hwy 70, T23N R15E S35; Dyson Lane, T22N R15E
S14; Beckwourth Sattley Road, T22N R14E S11; Ramelli Ranch, T23N R14E S27; Chilcoot, T23N
R16E S24.

HIERACIUM Hawkweed***Hieracium albiflorum*** Hook. WHITE-FLOWERED HAWKWEED

Frequent, dry wooded slopes. Jun-Aug. Calpine, T21N R14E S18; Sattley, T20N R14E S9.

Hieracium greenei A. Gray GREENE'S HAWKWEED

Dry forest slopes. Jul-Sep. One historical record for Sierra Valley (UC194105, unknown, Jul 1, 1887, from the Lemmon Herbarium). Also found at Haskell Peak and several other locations just outside the project area.

HYMENOXYIS***Hymenoxys lemmonii*** (Greene) Cockerell LEMMON'S GOLDFLOWER

Fairly frequent. Subalkaline areas. CRPR 2B. Jun-Jul. Dyson Lane, T22N R16E S17; Marble Lane, T22N R15E S18; Hwy 49, T22N R16E S8; Hwy 70, T23N R15E S30; Loyalton, T21N R15E S13.

HYPOCHAERIS Cat's Ear***Hypochaeris radicata*** L. ROUGH CAT'S EAR

Waif, disturbed roadside. Jul-Aug. Calpine, T21N R14E S17.

IONACTIS Aster***Ionactis alpina*** (Nutt.) Greene LAVA ASTER

Uncommon, dry rocky places. May-Jul. Sugarloaf, T23N R15E S17 [= *Aster scopulorum*].

IVA Marsh-Elder***Iva axillaris*** Pursh POVERTY WEED

Subalkaline areas. Jun-Aug. 6 Mile Road (A-24 N from Loyalton), T22N R15E S24; Marble Lane, T22N R14E S13; Sugarloaf, T23N R15E S17.

KYHOSIA***Kyhosia bolanderi*** (A. Gray) B.G. Baldwin BOLANDER'S MADIA

Meadows and stream banks. Jul-Sep. Yuba Pass, T20N R13E S11; Sattley, T20N 14E S30 [= *Madia b.*].

LACTUCA Wild Lettuce***Lactuca saligna*** L. WILLOW LETTUCE

Infrequent, waste places. Jun-Aug. Ramelli Ranch, T23N R14E S27.

Lactuca serriola L. PRICKLY LETTUCE

Common, waste places and disturbed areas. Jun-Oct. Marble Lane, T22N R14E S13; Calpine, T21N R14E S16.

Lactuca tatarica (L.) C.A. Mey. subsp. *pulchella* Stebbins BLUE LETTUCE

Dry to moist flats. Jun-Sep. One historic collection for Sierra Valley (JEPS36696, J.G. Lemmon, Sierra Valley, s.n., no date).

LAGOPHYLLA***Lagophylla ramosissima* Nutt. COMMON HARELEAF**

Open slopes and waste places. Jun-Oct. Beckwourth Sattley Road, T21N R14E S28 & S11; Ramelli Ranch, T23N R14E S27; Sierraville, T20N R15E S7; Sugarloaf, T23N R15E S17.

LAYIA***Layia glandulosa* (Hook.) Hook. & Arn. WHITE LAYIA**

Infrequent. Open sandy areas and dry rocky soils. May-Jun. Antelope Valley, T21N R15E S27; East of Beckwourth, T23N R14E S32; Sugarloaf, T23N R15E S17.

***Layia platyglossa* (Fisch. & C.A. Mey.) A. Gray COASTAL TIDYTIPS**

Introduced as part of Hwy work. Hwy 70 at Plumas County Airport, T23N R15E S30.

LEUCANTHEMUM Ox-Eye Daisy***Leucanthemum vulgare* Lam. OX-EYE DAISY**

Uncommon, disturbed places. Jun-Aug. Sierraville, T20N R14E S10.

MADIA Tarweed***Madia citrigracilis* D.D. Keck SHASTA TARWEED**

Widely scattered, sagebrush scrub. May-Jul. Marble Lane, T22N R14E S13.

***Madia citriodora* Greene LEMON-SCENTED TARWEED**

Open disturbed sites. May-Jul. Calpine, T21N R14E S16.

***Madia elegans* D. Don COMMON MADIA**

Open disturbed sites. Jun-Sep. Calpine, T21N R14E S16; Antelope Valley, T21N R15E S33; Frenchman Lake Road, T23N R16E S24; Sattley, T20N R14E S9; Beckwourth Sattley Road, T21N R14E S28.

***Madia exigua* (Sm.) A. Gray LITTLE TARWEED**

Grassy and disturbed sites. Apr-Jul. Sugarloaf, T23N R15E S17; Calpine, T21N R15E S16.

***Madia glomerata* Hook. MOUNTAIN TARWEED**

Open woods and slopes. Jul-Sep. Calpine, T21N R14E S16; Hwy 49 (Vista Point), T21N R14E S31; Antelope Valley, T21N R15E S17; Ramelli Ranch, T23N R14E S27.

***Madia gracilis* (Sm.) Applegate SLENDER TARWEED**

Wooded slopes and dry stream beds. May-Oct. Mapes Canyon, T23N R14E S11.

MALACOTHRIX Woolly Dandelion***Malacothrix floccifera* WOOLLY DANDELION**

Scattered, open slopes. Jun-Aug. Calpine, T21N R14E S17.

MATRICARIA***Matricaria discoidea* DC. PINEAPPLE WEED**

Common in disturbed areas and waste places. Mar-Jun. Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17 [= *Chamomilla suaveolens*].

MICROSERIS***Microseris nutans*** (Hook.) Sch.-Bip. NODDING MICROSERIS

Open moist woods. Jun-Aug. Coburn Lake, T20N R14E S29; Calpine, T21N R14E S20.

NOTHOCALAIS False-Agoseris***Nothocalais troximoides*** (A. Gray) Greene WAVY-LEAF FALSE AGOSERIS

Common, open sagebrush scrub and dry meadows. May-Jun. Calpine, T21N R14E S16; Antelope Valley, T21N R15E S17.

ONOPORDUM***Onopordum acanthium*** L. subsp. *acanthium* SCOTTISH THISTLE

Disturbed sites, invasive weed. May-Aug. Hwy. 70 (4.85 W of Vinton), T23N R15E S35

OREOSTEMMA***Oreostemma alpigenum*** (Torr. & A. Gray) Greene var. *andersonii* (A. Gray) Nesom ALPINE ASTER, TUNDRA ASTER

Montane meadows. Jun-Sep. Yuba Pass, T20N R13E S11; Coburn Lake, T20N R13E S29 [= *Aster a.*].

Oreostemma elatum (Greene) Greene TALL ALPINE-ASTER

Wet meadows, marshy areas and peatlands. CRPR 1B. Jul-Aug. Yuba Pass, T20N R13E S11 [= *Aster elatus*].

PACKERA Groundsel, Butterweed***Packera cana*** (Hook.) W.A. Weber & A. Löve WOOLLY GROUNDSEL

Rocky slopes. Jun-Aug. To be looked for, found just to the N at Dixie Mountain [= *Senecio c.*].

Packera pauciflora (Pursh) A. Love & D. Löve ALPINE GROUNDSEL

Wet meadows. Jun-Aug. Sattley, T20N R14E S9; Hwy 70, T23N R15E S30 [= *Senecio p.*].

Packera pseud aurea (Rydb.) W.A. Weber & A. Löve var. *pseud aurea* FALSE-GOLD GROUNDSEL

Stream banks and wet meadows. Jun-Jul. Sierraville, T20N R14E S13 [= *Senecio p.* var. *p.*].

Packera streptanthifolia (Greene) W.A. Weber & A. Löve var. *streptanthifolia* ROCKY MOUNTAIN GROUNDSEL

Uncommon, ± alkaline meadows and wet acidic meadows. May-Jul. Dyson Lane (A-24), T23N R15E S31; Sattley, T20N R14E S9; Sierraville, T21N R14E S13 [= *Senecio s.*].

PLEIACANTHUS (Stephanomeria)***Pleiocanthus spinosus*** (Nutt.) Rydb. THORNY SKELETON-PLANT

Uncommon, open sandy slopes and ridges. Jul-Sep. Little Last Chance Creek (N of Chilcoot), T23N R16E S24; Ross Ranch Meadows (Ramelli Ranch), T23N R13E S34; Sierraville (Hwy 49 to Loyalton), T20N R14E S6; Beckwourth Sattley Road, T22N R14E S12; Sugarloaf, T23N R15E S17 [= *Stephanomeria s.*].

PSEUDOGNAPHALIUM Cudweed***Pseudognaphalium canescens*** (DC.) Anderb. WRIGHT'S CUDWEED

Rocky sites and woodlands. Aug-Oct. Calpine, T21N R14E S19.

Pseudognaphalium luteoalbum (L.) Hilliard & B.L. Burtt JERSEY CUDWEED

Disturbed sites, fields, drying streambeds. Apr-Aug. Chilcoot, T23N R16E S35.

Pseudognaphalium microcephalum (Nutt.) Anderb. WRIGHT'S CUDWEED

Wet meadows. Jun-Aug. Sattley, T20N R14E S9.

Pseudognaphalium stramineum (Kunth)Anderb. COTTON-BATTING CUDWEED

Scattered, moist disturbed places and roadsides. Jun-Nov. Frenchman Lake Road, T23N R16E S13
[= *Gnaphalium s.*].

Pseudognaphalium thermale (E.E. Nelson) Nesom SMALL-HEADED CUDWEED

Fairly common, open meadow. Aug-Sep. Sattley, T20N R14E S9; Calpine, T21N R14E S20; Sugarloaf, T23N R15E S17.

PSILOCARPHUS Woolly-Marbles***Psilocarphus brevissimus*** Nutt. var. *brevissimus* DWARF WOOLY-HEADS

Frequent, vernal pools and roadside ditches. Jun-Jul. Marble Lane, T22N R14E S13; Ramelli Ranch, T23N R14E S27 & S26; Beckwourth Sattley Road, T21N R14E S9.

Psilocarphus oregonus Nutt. OREGON WOLLY HEADS

Vernally moist areas. May-Jun. Beckwourth Sattley Road, T21N R14E S9; Ross Ranch Meadows, T23N R14E S28.

Psilocarphus tenellus Nutt. SLENDER WOOLY-HEADS

Frequent, dried vernal areas and roadside ditches. Apr-Jun. Marble Lane, T22N R14E S13.

PYRROCOMA***Pyrocoma apargioides*** (A. Gray) Greene ALPINE PYRROCOMA

Sandy sagebrush scrub. Jun-Jul. Hwy 70 (E of the Buttes), T23N R14E S34.

Pyrocoma carthamoides Hook. var. *cusickii* (A. Gray) Kartesz & Gandhi CUSICK'S PYRROCOMA

Barren rocky areas. Jun-Sep. Sugarloaf, T23N R15E S17.

Pyrocoma lanceolata (Hook.) Greene var. *lanceolata* INTERMOUNTAIN PYRROCOMA

Meadows and alkaline flats. Jun-Sep. Dyson Lane, T22N R16E S18; Marble Lane, T22N R14E S13; Calpine, T21N R14E S16; Hwy 49, T21N R15E S16; Hwy 70, T23N R15E S34.

Pyrocoma lucida (D.D. Keck) Kartesz & Gandhi STICKY PYRROCOMA

Localized stands. Meadow areas in pines and sagebrush. CRPR 1B. Jul-Oct. Calpine, T21N R14E S16; Beckwourth Sattley Road, T21N R14E S10; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

Pyrocoma racemosa (Nutt.) Torr. & A. Gray var. *paniculata* (Nutt.) Kartesz & Gandhi TIGHT-FLOWERED PYRROCOMA

Limited, drying alkaline flats. Jul-Oct. Chilcoot, T23N R16E S36; Vinton, T23N R16E S34; Snow Lake (N of Chilcoot), T23N R17E S6.

Pyrocoma uniflora (Hook.) Greene var. *uniflora* ONE FLOWERED PYRROCOMA

Uncommon, alkaline meadows. May-Sep. Hwy 70, T23N R15E S34 & S30.

RIGIOPAPPUS

Rigiopappus leptocladus A. Gray BRISTLEHEAD

Sagebrush scrub. Apr-Jun. Sattley, T21N R14E S28; Ramelli Ranch, T23N R14E S27; Newman Point, T21N R14E S25; Sugarloaf, T23N R15E S17.

SENECIO Butterweed

Senecio aronicoides DC. RAYLESS RAGWORT

Open woods and brushy slopes. Apr-Jul. Yuba Pass, T20N R13E S11.

Senecio hydrophiloides Rydb. SWEET MARSH RAGWORT

Uncommon. Wet meadows and seeps. CRPR 4. May-Jul. Dyson Lane, T22N R16E S17.

Senecio hydrophilus Nutt. ALKALI-MARSH RAGWORT

Stream banks and marshes. May-Aug. Marble Lane, T22N R15E S19.

Senecio integerrimus Nutt. var. *exaltatus* (Nutt.) Cronq. COLUMBIA RAGWORT

Open slopes and open woodlands. May-Sep. Calpine, T21N R14E S29 & S21; Antelope Valley, T21N R15E S28; Ramelli Ranch, T23N R14E S26; Sugarloaf, T23N R15E S17.

Senecio integerrimus Nutt. var. *major* (A. Gray) Cronq. LAMBS-TONGUE RAGWORT

Sagebrush scrub. May-Aug. One record for Sierra Valley (UC585148, E.B. Babcock, G.L. Stebbins, #1680, Jun 3, 1936, "e side; on road to Loyalton, Sierra Valley").

Senecio scorzonella Greene SIERRA RAGWORT

Open forest and mountain meadows. Jul-Aug. Coburn Lake, T20N R13E S29.

Senecio serra Hook. var. *serra* TALL RAGWORT

Open stream banks and sagebrush scrub. Jul-Aug. Sierraville, T21N R14E S13.

Senecio triangularis Hook. ARROWLEAF RAGWORT

Wet meadows and stream banks. Jun-Sep. Sattley, T20N R14E S9; Sierraville, T21N R14E S13.

Senecio vulgaris L. COMMON GROUNDSEL

Uncommon, waste places. Jun-Oct. Loyalton, T21N R15E S12.

SOLIDAGO Goldenrod

Solidago elongata Nutt. CANADA GOLDENROD

Wet meadows and roadside ditches. Jun-Oct. Sierraville, T20N R14E S22; Sattley, T20N R14E S4 [= *S. canadensis* subsp. *e.*].

Solidago spectabilis (D.C. Eat.) A. Gray SHOWY GOLDENROD
Bogs and alkaline meadows. Jul-Aug. Sattley, T20N R14E S10.

Solidago velutina DC. subsp. *californica* (Nutt.) Semple VELVETY GOLDENROD
Woodland margins and meadows. Aug-Sep. Calpine, T21N R14E S21 & S17.

SONCHUS Sow Thistle

Sonchus asper (L.) Hill subsp. *asper* PRICKLY SOW THISTLE
Moist disturbed sites. Jun-Oct. Ramelli Ranch, T23N R14E S27.

SPHAEROMERIA Chickensage

Sphaeromeria potentilloides (A. Gray) A. Heller var. *potentilloides* BRASS BUTTONS,
FIVEFINGER CHICKENSAGE
Uncommon, alkaline areas. May-Jul. Loyalton, T21N R15E S12; Dyson Lane, T22N R14E S6.

STENOTUS

Stenotus acaulis (Nutt.) Nutt. CUSHION STENOTUS
Dry rocky ridges and slopes. May-Jul. Loyalton (Elephant Head), T21N R16E S8; Sugarloaf, T23N R15E S17.

STEPHANOMERIA

Stephanomeria exigua Nutt. subsp. *coronaria* (Greene) Gottlieb SMALL STEPHANOMERIA
Volcanic soils in sagebrush scrub. Jul-Aug. Chilcoot, T23N R16E S25.

Stephanomeria lactucina A. Gray FOREST STEPHANOMERIA
Forest and dry slopes and flats. Jul-Aug. Yuba Pass, T20N R13E S11; Calpine, T21N R14E S20.

Stephanomeria virgata Benth. subsp. *pleurocarpa* (Greene) Gottlieb TALL STEPHANOMERIA
Sagebrush scrub. Jun-Oct. Sugarloaf, T23N R15E S17.

SYMPHYOTRICHUM Western Aster

Symphyotrichum ascendens (Lindl.) Nesom LONG-LEAVED ASTER or WESTERN ASTER
Stream banks and meadows. Jul-Sep. Sierraville, T20N R15E S7; Calpine, T21N R14E S16; Coburn Lake, T20N R13E S29; Beckwourth Sattley Road, T21N R14E S10; Hwy.70, T23N R15E S34 [= *Aster a.*].

Symphyotrichum bracteolatum (Nutt.) Nesom EATON'S ASTER
Wet meadows and stream banks. Jul-Sep. Sattley, T20N R14E S9; Sierraville, T20N R14E S22 [= *Aster eatonii*].

Symphyotrichum campestre (Nutt.) Nesom WESTERN MEADOW ASTER
Dry meadows, slopes and open forest. Jul-Sep. Beckwourth, T23N R14E S25; Dyson Lane (S of Hwy 70), T23N R14E S30; Beckwourth Sattley Road, T22N R14E S12; Sugarloaf, T23N R15E S17 [= *Aster c.*].

***Symphyotrichum chilense* (Nees) Nesom PACIFIC ASTER**

Grasslands and disturbed areas. Jun-Oct. Junction of Hwy. 70 & Hwy 49 at Vinton, T23N R16E S34. [= *Aster c.*]

***Symphyotrichum foliaceum* (DC.) Nesom var. *parryi* (D.C. Eat.) G.L. Nesom PARRY'S ASTER**

Wet montane meadows. Jul-Aug. To be looked for as this taxon has been collected just outside the project area [= *Aster f.*].

***Symphyotrichum frondosum* (Nutt.) Nesom SHORT-RAYED ALKALI ASTER**

Moist alkaline flats. Aug-Oct. Hwy 49, T22N R16E S4; Chilcoot, T23N R16E S36 [= *Aster f.*].

***Symphyotrichum spathulatum* (Lindl.) Nesom var. *spathulatum* WESTERN MOUNTAIN ASTER**

Meadows. Jun-Aug. Calpine, T21N R14E S20; Marble Lane, T22N R15E S18 [= *Aster occidentalis* var. *o.*].

TANACETUM***Tanacetum vulgare* L. TANSY**

Uncommon, disturbed roadside. Aug-Oct. Sattley, T20N R14E S10; Beckwourth Sattley Road (Van Vleck Ranch), T21N R14E S22.

TARAXACUM***Taraxacum officinale* F.H. Wigg. COMMON DANDELION**

Common throughout the valley. Can bloom any time of the year. Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

TETRADYMIA***Tetradymia canescens* DC. HORSEBRUSH**

Open dry slopes and sagebrush scrub. Aug-Oct. Calpine, T21N R14E S16; Beckwourth Pass, T22N R17E S6; Newman Point, T21N R14E S25; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

***Tetradymia glabrata* Torr. & A. Gray LITTLE LEAF HORSEBRUSH**

Sagebrush scrub. May-Jul. One collection for Sierra Valley (UC1070371, N. French, #561, Nov. 16, 1934). Beckwourth Sattley Road (8 mi S of Beckwourth), T21N R14E S3.

TRAGOPOGON***Tragopogon dubius* Scop. YELLOW SALSIFY**

Disturbed areas and waste places. May-Jul. Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

***Tragopogon porrifolius* L. PURPLE SALSIFY**

Disturbed roadsides and waste places. Jun-Aug. Sierraville, T20N R14E S13.

TRIPLEUROSPERMUM***Tripleurospermum inodorum* (L.) Sch.-Bip. FALSE-CHAMOMILE**

Dry disturbed sandy soils. Jul-Sep. One collection for Sierra Valley (JEPS113930, W. & N. Harnach, #990, Aug. 23, 2000). Dyson Lane, T22N R16E S18.

WYETHIA Mule-Ears

Wyethia angustifolia (DC.) Nutt. NARROWLEAF MULE-EARS
Sagebrush scrub and slopes. Apr-Jun. Calpine, T21N R14E S16.

Wyethia mollis A. Gray MOUNTAIN MULE-EARS

Sagebrush slopes and flats. May-Aug. Ramelli Ranch, T23N T14E S27; Frenchman Lake Road, T23N R16E S13; Sugarloaf, T23N R15E S17.

XANTHIUM

Xanthium strumarium L. COCKLEBUR

Waste places and dry stream beds. Jul-Sep. Loyalton, T21N R15E S1.

BERBERIDACEAE Barberry Family**BERBERIS** Oregon-Grape

Berberis aquifolium Pursh var. *repens* (Lindl.) Scoggan CREEPING OREGON GRAPE

Uncommon, stream banks. Apr-Jun. Sugarloaf, T23N R15E S17; Ramelli Ranch, T22N R14E S27.

BETULACEAE Birch Family**ALNUS** Alder

Alnus incana (L.) Moench subsp. *tenuifolia* (Nutt.) Breitung MOUNTAIN ALDER

Common, edges of meadows and streams. Apr-May. Sattley, T20N R14E S9, Calpine, T21N R14E S16.

BORAGINACEAE Borage or Waterleaf Family**AMSINCKIA** Fiddleneck

Amsinckia intermedia Fisch. & C.A. Mey. COMMON FIDDLENECK

Open disturbed areas. May-Jul. One record for Sierra Valley (SJSU14314, N.A. Hopkins, #1504, Jun 6, 1989). Loyalton, T21N R16E S12 [= *Amsinckia menziesii* var. *i.*].

Amsinckia menziesii (Lehm.) A. Nels. & J.F. Macbr. MENZIES' FIDDLENECK

Infrequent, along roads and in fields. Apr-Jun. Beckwourth Sattley Road, T22N R14E S11.

Amsinckia tessallata A. Gray. var. *tessallata* CHECKER FIDDLENECK

Local, dry sandy areas on slopes and valley floor. May-Jun. Hwy 49, T22N R16E S8; Sugarloaf, T23N R15E S18.

CRYPTANTHA

Cryptantha affinis (A. Gray) Greene COMMON CRYPTANTHA

Dry open slopes. Jun-Jul. Mapes Canyon, T23N R14E S11; Sattley, T20N R14E S9; Sierraville, T20N R15E S18.

Cryptantha ambigua (A. Gray) Greene WILKE'S CRYPTANTHA

Dry sandy slopes and flats. Jun-Jul. Hwy 49, T22N R16E S4.

Cryptantha circumscissa (Hook. & Arn.) I.M. Johnst. var. *circumscissa* WESTERN CRYPTANTHA
Dry sandy openings in sagebrush. May-Jun. Beckwourth Pass, T22N R17E S6; Vinton, T23N R16E S28; Sugarloaf, T23N R15E S17.

Cryptantha echinella Greene PRICKLEY CRYPTANTHA
Gravelly or rocky soils. May-Aug. Sugarloaf, T23N R15E S17.

Cryptantha intermeadia (A. Gray) Greene COMMON CRYPTANTHA
Sagebrush scrub. May-Jul. Sattley, T20N R14E S33.

Cryptantha pterocarya (Torr.) Greene var. *purpusii* Jeps. WING-NUT CRYPTANTHA
Sandy openings in sagebrush. Jun-Jul. Beckwourth Pass, T22N R17E S6.

Cryptantha simulans Greene PINE CRYPTANTHA
Dry open woods and gravelly sites. May-Aug. Sugarloaf, T23N R15E S17; Yuba Pass, T20N R13E S11.

Cryptantha torreyana (A. Gray) Greene var. *torreyana* TORREY'S CRYPTANTHA
Sandy to gravelly dry slopes. May-Aug. Beckwourth, T23N R14E S11; Calpine, T21N R14E S16; Antelope Valley, T21N R15E S28.

Cryptantha watsonii (A. Gray) Greene WATSON'S CRYPTANTHA
Open sandy slopes and small sand dunes. Jun-Aug. Frenchman Lake Road, T23N R16E S25

CYNOGLOSSUM Hound's Tongue

Cynoglossum officinale L. COMMON HOUND'S TONGUE
Disturbed logged areas. May-Jul. To be looked for as this taxon has been collected just outside the project boundary.

ERIODICTYON Yerba Santa

Eriodictyon lobbii (A. Gray) Greene LOBBS NAMA
Uncommon, dry sandy or rocky slopes. Jun-Aug. SE of Yuba Pass, T20N R14E S17. [= *Nama* L.]

HACKELIA Stickseed

Hackelia floribunda (Lehm.) I.M. Johnst. MANY FLOWERED STICKSEED
Uncommon, vernal wet areas. Jun-Aug. Coburn Lake, T20N R14E S29.

Hackelia micrantha (Eastw.) J.L. Gentry SMALL-FLOWERED STICKSEED
Locally frequent, moist areas, partial shade. Jun-Aug. Yuba Pass, T20N R13E S11.

Hackelia setosa (Piper) I.M. Johnst. BRISTLY STICKSEED
Open wooded ridges. Jun-Jul. One historical record for Sierra Valley (JEPS67939, J.G. Lemmon, Jul, 1883, Sierra Valley).

HELIOTROPIUM

Heliotropium curassavicum L. var. *oculatum* (A. Heller) Tidestr. SALT HELIOTROPE
Uncommon, moist to dry alkaline areas on valley floor. Jul-Aug. Dyson Lane, T22N R15E S13.

HESPEROCHIRON***Hesperochiron californicus* (Benth.) S. Wats. CALIFORNIA HESPEROCHIRON**

Common, moist meadows and alkaline flats. Apr-Jun. Calpine, T21N R14E S16; Marble Lane, T22N R14E S18; Sugarloaf, T23N R15E S17.

***Hesperochiron pumilus* (Griseb.) Porter DWARF HESPEROCHIRON**

Uncommon, wet meadows. Apr-Jul. One record for the Sierra Valley region (RENO33307, Mrs. C. G. Gulling, #1205, no date, Sierra Valley).

HYDROPHYLLUM Waterleaf***Hydrophyllum alpestre* A. Nels. & P.B. Kenn. DWARF WATERLEAF**

Common, sagebrush scrub. Apr-Jun. Calpine, T21N R14E S16; Beckwourth Sattley Road, T21N R14E S4; Antelope Valley, T21N R15E S28 [= *Hydrophyllum capitatum* var. *alpinum*].

***Hydrophyllum occidentale* (S. Wats.) A. Gray CALIFORNIA WATERLEAF**

Common, moist shaded areas. Apr-Aug. Yuba Pass, T20N R13E S11; Hwy 49 (W of Sattley), T21N R14E S31.

LAPPULA***Lappula redowskii* (Hornem.) Greene var. *redowskii* WESTERN STICKSEED**

Uncommon, disturbed area along the road. Jun-Jul. Hwy 49, T22N R16E S8.

LITHOSPERMUM Puccoon***Lithospermum arvense* L. GROMWELL**

Disturbed areas. Apr-Jun. One record for Sierra Valley (SJSU9801, C.W. Sharsmith, #8651, May 29, 1982). Sierraville, T20N R14E S13.

***Lithospermum ruderale* Lehm. WESTERN PUCCOON**

Rather common, dry slopes. May-Jun. Newman Point, T21N R14E S25; Ramelli Ranch, T23N R14E S27.

MERTENSIA Lungwort***Mertensia oblongifolia* (Nutt.) G. Don var. *nevadensis* (A. Nels.) L.O. Williams SAGEBRUSH BLUEBELLS**

Infrequent, rocky slopes in sagebrush. Apr-Jun. Little Last Chance Creek, T23N R16E S4; Lemmon Canyon (Sierraville), T20N R15E S23.

MYOSOTIS Scorpion Grass***Myosotis discolor* Pers. YELLOW & BLUE SCORPION GRASS**

Common, moist disturbed places. Apr-Jul. Beckwourth, T23N R14E S27; Sattley, T20N R14E S9.

NAMA Purple Mat***Nama aretioides* (Hook. & Arn.) Brand var. *californicum* (Brand) Jeps. CALIFORNIA PURPLE NAMA**

Sandy flats and slopes. May-Jul. One record for Sierra Valley (JEPS25520, R. Bacigalupi & L. Constance, #7131, Jun 15, 1959). Newman Point, T21N R14E S26.

Nama aretioides (Hook. & Arn.) Brand var. *multiflorum* (A. Heller) Jeps. GROUND NAMA
Uncommon, sandy flats. Jun-Aug. Beckwourth Pass, T22N R17E S6.

Nama densum Lemmon var. *densum* PURPLE MAT
Uncommon, open sandy slopes and flats. May-Jul. Vinton, T23N R16E S28; Hwy 70, T23N R16E S35.

Nama densum Lemmon var. *parviflorum* (Greenm.) C.L. Hitchc. FEW FLOWERED PURPLE MAT
Sandy areas. Jun-Aug. Frenchman Lake Road, T23N R16E S25; Vinton Cemetery, T23N R16E S31.

NEMOPHILA

Nemophila maculata Lindl. FIVE-SPOT
Uncommon, moist disturbed area. Probably from wildflower seed mix. May-Jun. Sattley, T21N R14E S30.

Nemophila parviflora Benth. var. *austiniae* (Eastw.) Brand AUSTIN'S NEMOPHILA
Moist flats and wooded slopes. May-Jul. Calpine, T21N R14E S20; Sugarloaf, T23N R15E S17.

Nemophila pedunculata Benth. MEADOW NEMOPHILA
Common on slopes and flats. Apr-Jul. Calpine, T21N R14E S29; Knuthson Meadow, T21N R14E S5; Hwy 49 (W of Sattley), T21N R14E S31; Vinton, T23N R16E S35; Beckwourth Peak, T22N R14E S4.

Nemophila spatulata Coville SIERRA NEMOPHILA
Common, open rocky slopes. Apr-Jun. Beckwourth Sattley Road, T21N R14E S3.

PECTOCARYA Combseed

Pectocarya penicillata (Hook. & Arn.) A. DC. NORTHERN COMBSEED
Disturbed roadsides. May-Aug. One collection in the Beckwourth Pass area (JEPS68204, W.L. Jepson, #7770, Aug. 2, 1918). To be looked for as the site description says "sandy hills".

PHACELIA

Phacelia bicolor S. Wats. TWO COLORED PHACELIA
Uncommon, dry sandy or rocky slopes. May-Jun. One record for Sierra Valley (JEPS23855, R. Bacigalupi, L. Constance, #7135, Jun 15, 1959). Newman Point, T21N R14E S26.

Phacelia hastata Lehm. var. *compacta* (Brand) Cronq. COMPACT PHACELIA
Rocky ridges and slopes. May-Jul. Vinton, T23N R16E S34.

Phacelia hastata Lehm. var. *hastata* SILVERLEAF PHACELIA
Common, meadow edges. May-Jul. Yuba Pass, T20N R13E S11; Ramelli Ranch, T23N R14E S27.

Phacelia heterophylla Pursh var. *virgata* (Greene) R.D. Dorn VIRGATE PHACELIA
Fairly common, slopes and open areas. May-Jul. Hwy 49 (W of Sattley), T21N R14E S31; Beckwourth, T23N R14E S18.

Phacelia humilis Torr. & A. Gray var. *humilis* LOW PHACELIA

Common, flats and meadow edges. May-Jul. Frenchman Lake Road, T23N R16E S10; Beckwourth, T23N R14E S27; Antelope Valley, T21N R15E S16; Calpine, T21N R14E S16.

Phacelia hydrophyloides A. Gray WATERLEAF PHACELIA

Montane meadows and conifer forests. Jun-Sep. Yuba Pass, T20N R13E S11.

Phacelia linearis (Pursh) Holz. LINEAR-LEAVED PHACELIA

Common, rocky and sandy slopes. May-Jul. Beckwourth Pass, T22N R17E S6; Hwy 49, T21N R16E S5; Antelope Valley, T21N R15E S28; Sugarloaf, T23N R15E S17.

Phacelia mutabilis Greene CHANGEABLE PHACELIA

Meadow edges and slopes. May-Oct. Yuba Pass, T20N R13E S11; Marble Lane, T22N R14E S13; Calpine, T21N R14E S16.

Phacelia procera A. Gray TALL PHACELIA

Montane meadows and conifer forest. Jun-Aug. To be looked for as this taxon has been collected just W of Yuba Pass.

Phacelia ramosissima Lehm. BRANCHING PHACELIA

Uncommon, dry slopes. Jun-Sep. Chilcoot, T23N R16E S35; Antelope Valley, T21N R15E S16; Sugarloaf, T23N R15E S17 [= *P. r.* var. *eremophila*].

PLAGIOBOTHRYS Popcornflower***Plagiobothrys bracteatus*** (Howell) I.M. Johnst. BRACTED POPCORNFLOWER

Common, wet areas. Apr-Jun. Ramelli Ranch, T22N R14E S27.

Plagiobothrys cognatus (Greene) I.M. Johnst. COGNATE POPCORNFLOWER

Fairly common, moist place in forests and meadows. May-Aug. Sattley, T21N R14E S32; Calpine, T21N R14E S17; Knuthson Meadow, T21N R14E S5; Beckwourth Sattley Road, T22N R14E S14; Ross Meadows, T23N R14E S28.

Plagiobothrys cusickii (Greene) I.M. Johnst. CUSICK'S POPCORNFLOWER

Common, vernal areas. May-Oct. Marble Lane, T22N R14E S13; Sattley, T21N R14E S21.

Plagiobothrys hispidulus (Greene) I.M. Johnst. HARSH POPCORNFLOWER

Common in moist areas. Jun-Aug. Sierraville, T20N R15E S18; Sattley, T21N R14E S29; Ramelli Ranch, T23N R14E S27.

Plagiobothrys kingii (S. Wats.) A. Gray var. *harknessii* (Greene) Jeps. KING'S POPCORNFLOWER

Local, open sandy areas in the sagebrush. May-Jun. Beckwourth Pass, T23N R17E S31.

Plagiobothrys mollis (A. Gray) I.M. Johnst. var. *mollis* HAIRY POPCORNFLOWER

Common in sub-alkaline vernal areas. Jun-Sep. Marble Lane, T22N R14E S13; Beckwourth, T23N R14E S35; Dyson Lane (S of Hwy 70), T22N R15E S6.

Plagiobothrys reticulatus (Piper) I.M. Johnst. NETTED POPCORNFLOWER

Low sagebrush scrub. May-Jul. One collection, on three sheets, for Sierra Valley (UC1063803, UC1063804 & UC573630; H.S. Yates, Jun 28, 1935), Beckworth Sattley Road (NE of Calpine), T21N R14E S9 or S10.

***Plagiobothrys tenellus* (Nutt. ex Hook.) A. Gray SLENDER POPCORNFLOWER**

Openings in sagebrush and sandy slopes. Apr-Jul. Antelope Valley, T21N R15E S28; Frenchman Lake Road, T23N R16E S25.

***Plagiobothrys torreyi* (Gray) Gray var. *diffusus* I.M. Johnst. DIFFUSE POPCORNFLOWER**

Local, sandy openings in sagebrush. May-Jul. Calpine, T21N R14E S16; Frenchman Lake Road, T23N R16E S25.

BRASSICACEAE Mustard Family**ALYSSUM*****Alyssum alyssoides* (L.) L. SMALL ALYSSUM**

Rare. Disturbed areas. May-Jul. One record for Sierra Valley (UCD103888, A.M. Shapiro, s.n.). Sierraville, T20N R14E S11.

ARMORACIA***Armoracia rusticana* P. Gaertn. et al. HORSE RADISH**

Roadsides and old homesites. May-Jul. Calpine, T21N R14E S17; Sierraville, T20N R15E S7.

ATHYSANUS***Athysanus pusillus* (Hook.) Greene DWARF ATHYSANUS**

Open grassy areas in the sagebrush. Apr-Jun. Sattley, T21N R14E S28; Sierraville, T20N R15E S19.

BARBAREA Winter Cress***Barbarea orthoceras* Ledeb. AMERICAN WINTER CRESS**

Common, stream banks and other moist places. Apr-Jul. Calpine, T21N R14E S20; Sugarloaf, T23N R15E S17.

BOECHERA Rockcress***Boechera howellii* (S. Wats.) Windham & Al-Shehbaz HOWELL'S ROCKCRESS**

Rare, rocky subalpine slopes. May-Aug. Coburn Lake, T20N R14E S29 [= *Arabis platysperma* var. *howellii*].

***Boechera pinetorum* (Tidestr.) Windham & Al-Shehbaz WOODLAND ROCKCRESS**

Infrequent, rocky slopes. Apr-Jun. Sattley, T21N R14E S31; Mapes Canyon, T23N R14E S11 [= *Arabis holboellii* var. *p.*].

***Boechera puberula* (Nutt.) Dorn SILVER ROCKCRESS**

Open rocky slopes and volcanic scalds. May-Jul. Mapes Canyon, T23N R14E S11; The Buttes (Hwy 70), T23N R15E S28; Newman Point, T21N R14E S25 [= *Arabis p.*].

***Boechera rectissima* (Greene) Al-Shehbaz BRISTLY-LEAF ROCK CRESS**

Dry granitic slopes and flats. Apr-Jun. Sattley, T20N R14E S4 & S31 [= *Arabis r.*].

Boechera retrofracta (Graham) A. Love. SECUND ROCK CRESS

Dry rocky slopes and flats. Apr-Jul. Newman Point, T21N R14E S25; Sattley, T21 R14E S30; Calpine, T21N R14E S20 [= *Arabis holboellii* var. *r.*].

Boechera sparsiflora Nutt. ELEGANT ROCK CRESS

Dry rocky slopes. Apr-Jun. Sugarloaf, T23N R15E S17; Loyalton, T21N R16E S8 [= *Arabis s.*].

Boechera subpinnatifida (S. Wats.) Al-Shehbaz KALMATH ROCKCRESS

Rocky outcrops and boulder fields. Apr-Jun. Two records for Sierra Valley simply stating "East of Beckwourth". The probable locality would be "The Buttes", T23N R15E S28 [= *Arabis s.*].

Boechera suffrutescens (S. Wats.) Dorn WOODY ROCKCRESS

Rocky slopes. Jun-Aug. To be looked for in the Yuba Pass area as this taxon has been report just to the W [= *Arabis s.*].

BRASSICA Mustard***Brassica rapa*** L. FIELD MUSTARD

Disturbed areas. May-Jul. One record for Sierra Valley (CAS79732, A. Eastwood, #7803, Jun 29, 1918). Loyalton, T21N R15E S13.

CAMELINA False-Flax***Camelina microcarpa*** Andrz. SMALL-FRUITED FALSE FLAX

Uncommon, disturbed areas and roadsides. May-Jul. Frenchman Lake Road, T23N R16E S30; Hwy 49, T22N R16E S4; Vinton Cemetery, T23N R16E S35; Sierraville, T20N R15E S7.

CAPSELLA Sheperd's Purse***Capsella bursa-pastoris*** (L.) Medik. SHEPARD'S PURSE

Common, disturbed sites and waste places. Apr-Jul. Dyson Lane (A-24), T22N R15E S6; Heriot Lane, T21N R15E S9; Calpine, T21N R14E S16.

CARDAMINE Bitter Cress***Cardamine breweri*** S. Wats. BREWER'S BITTER CRESS

Fairly common, moist shaded areas. Jun-Aug. Sattley, T20N R14E S9; Yuba Pass, T20N R13E S11.

CAULANTHUS Jewelflower***Caulanthus major*** (M.E. Jones) Payson SLENDER WILD CABBAGE

Dry rocky slopes. May-Jul. To be looked for in the higher elevations of the E side of Sierra Valley. This taxon has been collected to the N of Sierra Valley.

CHORISPORA***Chorispora tenella*** (Pall.) DC. SLENDER CHORISPORA

Common, cultivated fields and disturbed places. May-Jul. Calpine, T21N R14E S20; Mapes Canyon, T23N R14E S14; Ross Meadows, T23N R14E S27; Sugarloaf, T23N R15E S17.

CUSICKIELLA***Cusickiella douglasii* (A. Gray) Rollins DOUGLAS'S CUSICKIELLA**

Locally frequent, volcanic scalds and clay flats. Apr-Jun. Calpine, T21N R14E S21; Beckwourth Peak, T22N R14E S9.

DESCURAINIA Tansy Mustard***Descurainia californica* (A.Gray) O.E. Schulz SIERRA TANSY MUSTARD**

Sagebrush scrub, open woodland and aspen groves. May-Aug. To be looked for on the E side of Sierra Valley.

***Descurainia incana* (Fisch. & C.A. Mey.) Dorn. MOUNTAIN TANSY MUSTARD**

Common, dry slopes and disturbed areas. May-Aug. Ramelli Ranch, T23N R14E S27; Yuba Pass, T20N R13E S11.

***Descurainia incisa* (Engelm.) Britton subsp. *incisa* SHORT-PEDICLED TANSY MUSTARD**

Sagebrush scrub. Jun-Aug. Beckwourth Sattley Road, T22N R14E S23.

***Descurainia longipedicellata* (E. Fourn.) O.E. Schulz LONG-PEDICLED TANSY MUSTARD**

Uncommon, dry slopes and sandy areas. May-Jun. Sattley, T20N R14E S9; Hwy 70, T23N R15E S35; Sierraville, T20N R15E S19.

***Descurainia pinnata* (Walt.) Britton subsp. *brachycarpa* (Richardson) Detling WESTERN TANSY MUSTARD**

Fairly common, dry sandy soils and slopes. Mar-Jul. Sattley, T20N R14E S9.

***Descurainia pinnata* (Walt.) Britton subsp. *glabra* (Woot. & Standl.) Detling YELLOW TANSY MUSTARD**

Common, sandy areas and floodplains. Apr-Jun. Ramelli Ranch, T23N R14E S27.

***Descurainia pinnata* (Walt.) Britton subsp. *halictorum* (Cockerell) Detling WESTERN TANSY MUSTARD**

Common, disturbed areas, open sandy slopes. Apr-Jun. Ramelli Ranch, T23N R14E S27; Chilcoot, T23N R16E S36.

***Descurainia pinnata* (Walt.) Britton subsp. *intermedia* (Rydb.) Detling INTERMEDIATE WESTERN TANSY MUSTARD**

Dry meadows and sandy areas in sagebrush. May-Jul. Beckwourth Pass, T22N R174 S6.

***Descurainia sophia* (L.) Webb. ex Prantl TANSY MUSTARD**

Uncommon, sandy waste areas. Apr-Jul. Hwy 49, T22N R16E S4; Loyalton, T21N R16E S7; Sugarloaf, T23N R15E S17.

DRABA***Draba verna* L. SPRING WHITLOW-GRASS**

Common, rocky slopes and disturbed areas. Mar-May. Calpine, T21N R14E S16; Sattley, T21N R14E S32; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

ERYSIMUM***Erysimum capitatum* (Hook.) Greene var. *capitatum* WESTERN WALLFLOWER**

Common, sandy slopes and rocky areas. Mar-Jul. Antelope Valley, T21N R15E S16; Yuba Pass, T20N R13E S11.

***Erysimum perenne* (Coville) Abrams SIERRA WALLFLOWER**

Granitic soils, montane forests. Jun-Aug. Coburn Lake, T20N R13E S36; Yuba Pass, T20N R13E S11.

HESPERIS Rocket***Hesperis matronalis* L. DAME'S ROCKET**

Apparent garden escapee in roadside ditch. Apr-Jul. Sierraville, T20N R14E S13.

HORNUNGIA***Hornungia procumbens* (L.) Hayek LOW HUTCHINSIA**

Limited, drying roadside ditch margins. May-Jun. Hwy 49 at Dyson Lane, T22N R16E S17; Marble Lane, T22N R14E S13 [= *Hutchinsia* p.].

IDAHOA***Idahoia scapigera* (Hook.) A. Nels. & J.F. Macbr. FLAT-POD**

Locally frequent, brush, rocks and open sandy areas. Mar-Apr. Beckwourth Pass, T22N R17E S7; Beckwourth Sattley Road, T22N R14E S34; Antelope Valley, T21N R15E S28.

ISATIS***Isatis tinctoria* L. WOAD**

Uncommon, disturbed areas. May-Jun. Sierraville, T20N R15E S6; Loyalton, T21N R15E S14.

LEPIDIUM Pepper-Grass***Lepidium acutidens* (A. Gray) Howell ALKALI PEPPER-GRASS**

Uncommon, alkaline flats. Apr-Jun. Marble Lane, T22N R15E S18 [= *Lepidium dictyotum* var. *a.*].

***Lepidium appelianum* Al-Shehbaz HAIRY WHITE TOP**

Scattered colonies, disturbed areas and waste places. Apr-Aug. Hwy 49, T22N R16E S4; Vinton, T23N R16E S34; Loyalton, T21N R15E S14 [= *Cardaria pubescens*].

***Lepidium campestre* (L.) W.T. Aiton ENGLISH PEPPER GRASS**

Fairly common, meadow edges and disturbed areas. May-Jul. Sugarloaf, T23N R15E S17; Sierraville, T20N R15E S19; Ramelli Ranch, T23N R14E S27.

***Lepidium chalepense* L. LENS-PODDED HOARY CRESS**

Disturbed areas, fields, pastures and riverbanks. May-Jun. Beckwourth Sattley Road, T22N R14E S14.

***Lepidium densiflorum* Schrad. COMMON PEPPER GRASS**

Meadows and disturbed sites. May-Jul. One record for Sierra Valley (JEPS100355, Dean Wm. Taylor, #17823, Jun 28, 2001). Snow Lake (N of Chilcoot), T23N R17E S6.

***Lepidium dictyotum* A. Gray ALKALI PEPPERWEED**

Limited, subalkaline flats. Apr-Jun. Marble Lane, T22N R14E S13.

***Lepidium draba* L. HEART-PODDED HOARY CRESS**

Uncommon, disturbed areas and old fields. Apr-Aug. Ramelli Ranch, T23N R14E S27 [*Cardaria d.*].

***Lepidium latifolium* L. BROADLEAF PEPPER-GRASS**

Uncommon, old fields and roadsides. Jun-Aug. Dyson Lane, T22N R15E S16; Vinton, T22N R16E S8; Beckwourth Sattley Road, T21N R14E S28.

***Lepidium perfoliatum* L. ROUND-LEAF PEPPER-GRASS**

Common, disturbed areas and edges of roads. Apr-Jul. Hwy 49, T22N R16E S8; Marble Lane, T22N R14E S22; Sierraville, T20N R15E S17; Loyalton, T21N R16E S13; Sugarloaf, T23N R15E S17.

***Lepidium virginicum* L. subsp. *menziesii* (DC.) Thell. WILD PEPPER-GRASS**

Common, waste places and road edges. May-Nov. Dyson Lane, T22N R16E S13; Sugarloaf, T23N R15E S17; Vinton, T23N R16E S34; Calpine, T21N R14E S17.

NASTURTIUM***Nasturtium officinale* R. Br. WATER-CRESS**

Common, slow moving water in ditches and streams. Apr-Nov. Sattley, T20N R14E S9; Sugarloaf, T23N R15E S19 [= *Rorippa nasturtium-aquaticum*].

PHOENICAILIS***Phoenicailis cheiranthoides* Nutt. COMMON PHOENICAILIS**

Common, open rocky slopes. Apr-Jun. Newman Point, T21N R14E S25; Beckwourth Sattley Road, T22N R14E S26; Harding Point, T20N R15E S6; Sugarloaf, T23N R15E S17.

POLYCTENIUM***Polyctenium fremontii* (S. Wats.) Greene FREMONT'S POLYCTENIUM**

One record for Sierra Valley (RENO38376, W. Harnach, #1296, 26-Mar-2012). Open flats and dried swales. May-Jun. Hwy 49, between Sierraville and Loyalton, T21N R15E S18.

RAPHANUS Radish***Raphanus sativus* L. RADISH**

Accidental garden escapee. Uncommon. May-Jul. One record for Sierra Valley (CAS886051, J.T. Howell, Beckworth, #36925, Sep. 24, 1961). Beckwourth, T23N R14E S26.

RORIPPA***Rorippa austriaca* (Crantz) Besser AUSTRIAN FIELD CRESS**

Uncommon, disturbed soils on roadsides. May-Jul. Sierraville, T20N R15E S7.

***Rorippa curvipes* Greene BLUNTLEAF YELLOW CRESS**

Uncommon, seepage areas and meadows. May-Sep. Sugarloaf, T23N R15E S17.

***Rorippa curvisiliqua* (Hook.) Britton CURVE-FRUITED YELLOW CRESS**

Common, moist to wet places. Apr-Oct. Marble Lane, T22N R15E S18; Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E S16.

***Rorippa palustris* (L.) Besser var. *palustris* MARSH YELLOW CRESS**

Uncommon, drying roadside ditches. Jun-Sep. Dyson Lane, T22N R16E S16.

SINAPIS Charlock***Sinapis arvensis* L. CHARLOCK**

Disturbed areas. Apr-Sep. One record for Sierra Valley (CAS575418, J.T. Howell, #37815, Jun 18, 1962, 5 mi S of Beckwourth). Probably at the corner of Beckwourth Sattley Road and Marble Lane. T22N R14E S13.

SISYMBRIUM***Sisymbrium altissimum* L. TUMBLE MUSTARD**

Common, waste places and roadsides. May-Jul. Ramelli Ranch, T23N R14E S28; Sugarloaf, T23N R15E S17; Calpine, T21N R14E S16.

STANLEYA Prince's Plume***Stanleya viridiflora* Nutt. PRINCES PLUME**

Clay flats. CRPR 2B. May-Jul. One collection of this taxon in Sierra Valley. This site has apparently been destroyed (UCD13371, A.M. Shapiro, s.n., Jul 24, 1996). Dyson Lane (W of Hwy 49), T22N R16E S13.

STREPTANTHUS

No known collections. To be looked for in rocky dry areas in mid summer. *Streptanthus cordatus* var. *cordatus* has been collected at the top of the Bald Mtn. Range which is less than ¼ mi E of the project boundary.

SUBULARIA Awlwort***Subularia aquatica* L. subsp. *americana* G.A. Mulligan & Calder WATER AWLWORT**

Lake margins and sedge meadows. CRPR 4. Jul-Oct. To be looked for in the Coburn Lake area.

THELYPODIUM***Thelypodium brachycarpum* Torr. SHORT-PODDED THELYPODIUM**

Alkaline and sandy soils. Apr-Aug. One record for Sierra Valley (SJSU12154, N.A. Hopkins, #454, Jun 13, 1972, c. 3 mi NNW of Loyalton). Loyalton, T21N R16E S5.

***Thelypodium crispum* Payson CRISPED THELYPODIUM**

Scattered, sandy areas and alkaline flats. Jun-Jul. Dyson Lane, T22N R16E S17; Hwy 70, T23N R15E S35; Loyalton, T21N R16E S18.

***Thelypodium milleflorum* A. Nels. MANY-FLOWERED THELYPODIUM**

Sandy areas. CRPR 2B. Jun-Aug. May have been collected in Sierra Valley by J.G. Lemmon in 1875 [= *T. laciniatum* var. *m.*].

THLASPI Penny Cress*Thlaspi arvense* L. FIELD PENNY-CRESS

Common, waste places and disturbed areas. May-Jul. Marble Lane, T22N R14E S17; Heriot Lane, T21N R15E S9; Loyalton, T21N R15E S12; Antelope Valley, T21N R15E S17, Ramelli Ranch, T23N R14E S27.

THYSANOCARPUS Fringe Pod*Thysanocarpus curvipes* Hook. subsp. *curvipes* HAIRY FRINGE POD

Scattered, brushy slopes, often in burn areas. Apr-Jun. Mapes Canyon, T23N R14E S11.

TURRITIS Tower Mustard*Turritis glabra* L. TOWER ROCKCRESS

Open fields and meadows. Apr-Jul. One record for Sierra Valley (CAS80776, Alice Eastwood, #7824, Jun 29, 1918). Loyalton, T21N R15E S13).

CAMPANULACEAE Bellflower Family**DOWNINGIA***Downingia bacigalupii* Weiler BACH'S DOWNINGIA

Common, drying roadside ditches, stream beds and vernal pools. May-Sep. Marble Lane, T22N R14E S13; Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

Downingia bicornuta A. Gray var. *bicornuta* TWO-HORNED DOWNINGIA

Common, drying vernal pools and roadside ditches. Apr-Jul. Marble Lane, T22N R14E S13; Calpine, T21N R14E S16.

Downingia elegans (Douglas ex Lindl.) Torr. ELEGANT DOWNINGIA

I have found 5 records for Sierra Valley but at this time I still have not been able to relocate or confirm the presence of this taxon. If these sheets were to be examined they would all probably be determined as *D. bacigalupii*.

HETROCODON*Hetrocodon rariflorum* Nutt. HETROCODON

Damp grassy shaded places, meadow margins and drying stream beds. Apr-Jul. Calpine, T21N R14E S29; Ramelli Ranch, T23N R14E S27.

NEMAACLADUS*Nemacladus capillaris* Greene COMMON NEMAACLADUS

Volcanic outcrops. May-Jul. This taxon has been collected just outside the project area N of Beckwourth.

Nemacladus sigmoideus G.T. Robbins SMALL-FLOWERED NEMAACLADUS

Open sandy slopes. May-Jul. Frenchman Lake Road, T23N R16E S11.

PORTERELLA

Porterella carnosula (Hook. & Arn.) Torr. PORTERELLA

Common, roadside ditches and vernal areas. May-Jul. Calpine, T21N R14E S16; Heriot Lane, T22N R15E S21; Marble Lane, T22N R14E S13.

CAPRIFOLIACEAE Honeysuckle Family**LONICERA** Honeysuckle

Lonicera conjugialis Kellogg DOUBLE HONEYSUCKLE

Lake shores and wooded slopes. Jun-Jul. Coburn Lake, T20N R13E S29.

Lonicera involucrata (Richardson) Spreng. var. *involucrata* TWINBERRY

Moist areas and stream banks. May-Jul. To be looked for as this taxon is common in the higher elevations.

SYMPHORICARPOS Snowberry

Symphoricarpos longiflorus A. Gray FRAGRANT SNOWBERRY

Rocky slopes. May-Jul. Ramelli Ranch, T23N R14E S27.

Symphoricarpos mollis Nutt. CREEPING SNOWBERRY

Common, wooded slopes. Jun-Aug. Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

Symphoricarpos rotundifolius A. Gray var. *rotundifolius* MOUNTAIN SNOWBERRY

Common, dry open rocky slopes. Jun-Aug. Sattley, T21N R14E S33; Beckwourth Peak, T22N R14E S26; Sugarloaf, T23N R15E S17.

CARYOPHYLLACEAE Pink Family**CERASTIUM** Mouse-Ear Chickweed

Cerastium fontanum Baumg. subsp. *vulgare* (Hartm.) Greuter & Burdet COMMON MOUSE-EARED CHICKWEED

Along stream beds. Apr-Aug. Beckwourth Sattley Road, T21N R14E S4; Sugarloaf, T23N R15E S17.

EREMOGONE Sandwort

Eremogone aculeata (S. Wats.) Ikonn. PRICKLY SANDWORT

Common, dry flats and rocky slopes. May-Jul. Antelope Valley, T21N R15E S27; Beckwourth Sattley Road, T22N R14E S23 [= *Arenaria a.*].

Eremogone congesta (Nutt.) Ikonn. var. *congesta* BALLHEAD SANDWORT

Common, open rocky slopes. Jun-Aug. Sattley, T20N R14E S4 [= *Arenaria c.* var. *c.*].

Eremogone congesta (Nutt.) Ikonn. var. *subcongesta* (S. Wats.) R.L. Hartm. & Rabeler CAPITATE SANDWORT

Common, dry rocky slopes. Jun-Jul. Beckwourth Sattley Road, T22N R14E S11; Antelope Valley, T21N R15E S29; Loyalton, T21N R15E S15 [= *Arenaria c.* var. *s.*].

Eremogone congesta (Nutt.) Ikonn. var. *suffrutescens* (A. Gray) R.L. Hartm. & Rabeler
SUFFRUTESCENT SANDWORT

Common, open sandy slopes. Jun-Aug. Ramelli Ranch, T23N R14E S27; Antelope Valley, T21N R15E S27 [= *Arenaria c.* var. *s.*].

Eremogone kingii (S. Wats.) Ikonn. var. *glabrescens* (S. Wats.) Dorn KING'S SANDWORT

Common, open rocky slopes. Jun-Jul. Lincoln Ridge, T20N R13E S23 [= *Arenaria k.* var. *g.*].

HOLOSTEUM Chickweed

Holosteum umbellatum L. subsp. *umbellatum* JAGGED CHICKWEED

Uncommon, wet areas of pastures. Apr-Jun. Sattley, T20N R14E S9.

LOEFLINGIA Pymyleaf

Loeflingia squarrosa Nutt. SPREADING PYGMYLEAF

Disturbed areas. May-Jul. One record for Sierra Valley (CAS881606, J.T. Howell, #37872, Jun 19, 1962, 5.8 mi E of Beckwourth). Hwy 70, T23N R15E S35.

PSEUDOSTELLARIA False Starwort

Pseudostellaria jamesiana (Torr.) W.A. Weber & R.L. Hartm. STICKY STARWORT

Common, moist forest floors and meadow edges. May-Jul. Sattley, T20N R14E S9; Yuba Pass, T20N R13E S11; Antelope Valley, T21N R15E S28.

SAPONARIA Soapwort

Saponaria officinalis L. BOUNCING BET

Uncommon. Disturbed areas on roadsides. Jun-Sep. Marble Lane, T22N R15E S17; Hwy 49 (between Sierraville and Loyaltown), T21N R15E S18.

SILENE Catchfly

Silene bernardina S. Wats. PALMER'S CATCHFLY

Fairly frequent, dry rocky slopes and forests. Jun-Aug. Beckwourth Pass, T22N R17E S7. Also found just W of Yuba Pass.

Silene douglasii Hook. var. *douglasii* DOUGLAS'S CATCHFLY

Scattered, rocky areas and ridge tops. Jun-Sep. Lincoln Ridge, T20N R13E S23.

Silene invisa C.L. Hitchc. & Maguire SMALL FLOWERED CAMPION

Open forests and montane glades. Jul-Aug. Coburn Lake, T20N R13E S20.

Silene lemmonii S. Wats. LEMMON'S CATCHFLY

Common, dry forest floor. Apr-Aug. Sattley, T20N R14E S4.

Silene nuda (S. Wats.) C.L. Hitchc. & Maguire NAKED CAMPION

Common, sagebrush scrub. May-Jul. Calpine, T21N R14E S16; Marble Lane, T22N R14E S13; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

***Silene occidentalis* S. Wats. WESTERN CAMPION**

Conifer forests. Jun-Aug. To be looked for as this taxon has been collected just to the W of Yuba Pass.

***Silene verecunda* S. Wats. SAN FRANCISCO CAMPION**

Open sagebrush scrub. Jun-Jul. One record for Sierra Valley (UCD21015, E. Bortiri, #WFC63, Jul 4, 2002, Knuthson Meadows). Calpine, T21N R14E S5.

SPERGULARIA Sand-Spurrey***Spergularia atrosperma* R. Roszbach BLACK-SEEDED SAND-SPURRY**

Uncommon, margins of drying ponds and subalkaline flats. Apr-Jun. Marble Lane, T22N R14E S13; Dyson Lane, T22N R16E S17; Calpine, T21N R14E S16; Hwy 70, T23N R15E S35.

***Spergularia marina* (L.) Griseb. SALT-MARSH SAND-SPURRY**

Uncommon, around the hot wells. Apr-Aug. Marble Lane, T22N R14E S13.

***Spergularia rubra* (L.) J. Presl & C. Presl RED SAND-SPURRY**

Open forests and meadows. May-Aug. To be looked for as this taxon has been collected just W of Yuba Pass.

STELLARIA Chickweed***Stellaria longipes* Goldie var. *longipes* LONG-STALKED CHICKWEED**

Common, meadows and other moist places. May-Aug. Sattley, T20N R14E S9; Hwy 49 (between Sattley and Sierraville), T20N R14E S10; Marble Lane, T22N R14E S13; Yuba Pass, T20N R13E S11; Sugarloaf, T23N R15E S17.

***Stellaria media* (L.) Vill. COMMON CHICKWEED**

Moist grassy areas. May-Sep. Beckwourth Sattley Road, T21N R14E S4.

VACCARIA Cow-Herb***Vaccaria hispanica* (Mill.) Rauschert COW-HERB**

Uncommon. Fields and disturbed areas. May-Aug. Sierraville, T20N R14E S13.

CHENOPODIACEAE Goosefoot Family**ATRIPLEX Saltbrush*****Atriplex argenta* Nutt. var. *hillmanii* M.E. Jones HILLMAN'S SILVER SALTBRUSH**

Limited, subalkaline flats. CNPS 2B. Jul-Sep. Marble Lane, T22N R14E S13; Beckwourth (W of The Buttes on Hwy 70), T23N R15E S28.

***Atriplex dioica* Raf. THICKLEAF ORACH**

Subalkaline areas. Jul-Oct. One record for Sierra Valley (CAS919404, Greg & Fred Sommers, #177, Jul 14, 1976). Marble Lane, T22N R14E S13 [= *A. subspicata*].

***Atriplex micrantha* Ledeb. RUSSIAN SALTBRUSH**

Limited, disturbed places. Jul-Sep. Marble Lane, T22N R15E S17.

***Atriplex rosea* L. TUMBLING ORACH**

Local, waste places, road edges and old fields. Jul-Sep. Hwy 49, T22N R16E S4; Beckwourth, T23N R14E S26.

***Atriplex truncata* (S. Wats.) A. Gray WEDGESCALE**

Localized, subalkaline places. Jun-Aug. Marble Lane, T22N R15E S18 & T22N R14E S13; Heriot Lane, T22N R15E S28.

BASSIA***Bassia hyssopifolia* (Pall.) Kuntze HYSSOP-LEAVED BASSIA**

Limited, moist subalkaline flats. Jul-Oct. Marble Lane, T22N R14E S13 & T22N R15E S18.

CHENOPODIUM Goosefoot***Chenopodium album* L. LAMBS-QUARTERS, WHITE GOOSEFOOT**

Waste places and disturbed areas. Jun-Oct. Sierraville, T20N R14E S13; Marble Lane, T22N R14E S13.

***Chenopodium atrovirens* Rydb. DARK-GREEN GOOSEFOOT**

Open sagebrush scrub. Jul-Sep. Vinton, T23N R16E S26.

***Chenopodium berlandieri* Moq. var. *zschackei* (Murr) Graebn. PIT SEED GOOSEFOOT**

Open disturbed sandy areas. Jul-Aug. Beckwourth, T23N R14E S26; Ramelli Ranch, T23N R14E S27; Heriot Lane, T22N R15E S21.

***Chenopodium chenopodioides* (L.) Aellen GOOSEFOOT**

Limited, river margins and mudflats. Aug-Sep. Beckwourth, T23N R14E S26.

***Chenopodium desiccatum* A. Nels. DRY GOOSEFOOT**

Common, open dry places and disturbed areas. Jul-Sep. Dyson Lane, T22N R16E S18; Beckwourth Sattley Road (near Beckwourth), T23N R14E S35.

***Chenopodium glaucum* L. OAK-LEAF GOOSEFOOT**

Limited, waste places and road edge. Jul-Aug. Hwy 49 (S of Vinton), T22N R16E S4.

***Chenopodium hians* Standl. UNKNOWN GOOSEFOOT**

Infrequent, dry slopes and flats. Jul-Oct. Hwy 49 (S of Vinton), T22N R16E S4.

***Chenopodium strictum* Roth var. *glaucophyllum* (Aellen) Wahl GLAUCOUS-LEAVED GOOSEFOOT**

Limited, old fields and roadsides. Aug-Oct. Dyson Lane, T22N R15E S13.

KOCHIA***Kochia scoparia* (L.) subsp. *scoparia* Schrad. SUMMER-CYPRESS, BURNINGBUSH**

Locally frequent, road edges and old fields. Aug-Sep. Vinton, T23N R16E S34.

MONOLEPIS Poverty Weed***Monolepis nuttalliana* (Schult.) Greene NUTTALL'S POVERTY WEED**

Locally common, roadsides and waste places. Jun-Sep. Heriot Lane, T21N R15E S4; Sierraville, T20N R15E S7.

***Monolepis spathulata* A. Gray CLUB-LEAF POVERTY WEED**

Limited, moist alkaline soils. Jun-Sep. Hwy 49 (S of Vinton), T22N R16E S4.

SALSOLA Russian Thistle***Salsola australis* R. Br. RUSSIAN THISTLE**

Locally frequent, waste places and roadsides. Jun-Oct. Heriot Lane, T22N R15E S21; Sugarloaf, T23N R15E S17.

***Salsola paulsenii* Litv. BARBWIRE RUSSIAN-THISTLE**

Locally frequent, roadsides and waste places. Jul-Sep. Chilcoot, T23N R16E S36; Marble Lane, T22N 15E S18.

***Salsola tragus* L. RUSSIAN THISTLE, TUMBLEWEED**

Fairly frequent in old fields and roadsides. Jul-Oct. Heriot Lane, T22N R15E S21; Beckwourth, T23N R14E S26.

SUAEDA Sea-Blite***Suaeda calceoliformis* (Hook.) Moq. HORNED SEA-BLITE**

Uncommon, moist sub-alkaline areas. Jul-Sep. Marble Lane, T22N R15E S18.

CONVOLVULACEAE Morning-Glory Family**CALYSTEGIA Morning-Glory*****Calystegia malacophylla* (Greene) Munz subsp. *malacophylla* SIERRA MORNING GLORY**

Uncommon, dry slopes. Jun-Aug. Sugarloaf, T23N R25E S17.

***Calystegia occidentalis* (A. Gray) Brummitt subsp. *occidentalis* WESTERN MORNING GLORY**

Uncommon. Brushy slopes and open forest floors. May-Aug. Calpine, T21N R14E S20.

***Calystegia purpurata* (Greene) Brummitt MORNING GLORY**

Sagebrush scrub? May-Jun. One record for Sierra Valley (GH369794, H. Mann, Sierraville). Sierraville, T20N R14E S13. This taxon is way out of range.

CONVOLVULUS Bindweed***Convolvulus arvensis* L. FIELD BINDWEED**

Common, fields, roadsides and disturbed areas. May-Sep. Dyson Lane, T23N R15E S31; Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

CUSCUTA Dodder***Cuscuta californica* Hook. & Arn. CALIFORNIA DODDER**

Uncommon. Many plants act as host. May-Aug. Hwy 49, T22N R16E S4; Calpine, T21N R14E S20.

***Cuscuta occidentalis* Millsp. WESTERN DODDER**

Uncommon. Many plants act as host. Jun-Aug. Marble Lane, T22N R14E S13; Loyaltan, T21N R15E S12.

CORNACEAE Dogwood Family**CORNUS** Dogwood*Cornus sericea* L. var. *serica* STREAMSIDE DOGWOOD, RED WILLOW

Common along streams. Apr-Jun. Sattley, T20N R14E S9; Ramelli Ranch, T23N R14E S27.

CRASSULACEAE Stonecrop Family**CRASSULA** Pigmy-Weed*Crassula aquatica* (L.) Schönland WATER PIGMY-WEED

Uncommon, vernal pools and swales. Apr-Jul. Marble Lane, T22N R14E S13.

DIPSACACEAE Teasel Family**DIPSACUS** Teasel*Dipsacus fullonum* L. WILD TEASEL

Uncommon, waste places and disturbed areas. May-Jul. Dyson Lane, T22N R15E S13; Sierraville, T20N R14E S13.

ELATINACEAE Waterwort Family**ELATINE** Waterwort*Elatine brachysperma* A. Gray SHORT SEEDED WATERWORT

Uncommon, receding water of vernal pools. Jun-Oct. Calpine, T21N R14E S16.

Elatine californica A. Gray CALIFORNIA WATERWORT

Uncommon, alkaline flats, mud flats and drying shorelines. May-Jul. Ramelli Ranch, T23N R14E S27; Marble Lane, T22N R14E S13; Calpine, T21N R14E S16.

Elatine chilensis Gay CHILEAN WATERWORT

Uncommon, muddy shores and ponds. Jun-Jul. Calpine, T21N R14E S16.

Elatine heterandra H. Mason VARIBALE-STAMENED WATERWORT

Uncommon, pond margins. May-Jul. Calpine, T21N R14E S16.

Elatine rubella Rydb. RED WATERWORT

Uncommon, shorelines and ponds. May-Jul. Calpine, T21N R14E S16.

ERICACEAE Heath Family**ALLOTROPA***Allotropa virgata* Torr. & A. Gray SUGAR STICK

Scattered at the higher elevations in thick humus. Jun-Aug. Coburn Lake, T20N R13E S29.

ARCTOSTAPHYLOS Manzanita*Arctostaphylos nevadensis* A. Gray subsp. *nevadensis* PINEMAT MANZANITA

Common, open woody slopes and flats. May-Jul. Coburn Lake, T20N R13E S29; Yuba Pass, T20N R13E S11.

***Arctostaphylos patula* Greene GREENLEAF MANZANITA**

Common, open woods and burns. Feb.-Jun. Calpine, T21N R14E S17; Sattley, T20N R14E S4.

CHIMAPHILA Pipsissewa***Chimaphila menziesii* (D. Don) Spreng. LITTLE PRINCES PINE**

Common, deep shaded woods. Jun-Aug. Yuba Pass, T20N R13E S11; Sattley, T20N R14E S9.

***Chimaphila umbellata* (L.) W.P.C. Barton WESTERN PRINCES PINE**

Common, deep shaded woods. Jun-Aug. Yuba Pass, T20N R13E S11; Calpine, T21N R14E S18.

LEUCOTHOE***Leucothoe davisiae* A. Gray SIERRA LAUREL**

Moist shaded woods along streams. Jun-Aug. To be looked for as this taxon has been found in the Webber Lake area and to the W of the Calpine area.

ORTHILIA***Orthilia secunda* (L.) House ONE-SIDED WINTERGREEN**

Scattered, wooded slopes and moist areas. Jul-Sep. To be looked for in the Yuba Pass area as this taxon has been reported just to the west.

PLEURICOSPORA***Pleuricospora fimbriolata* A. Gray FRINGED PINE-SAP**

Uncommon, deep humus of closed canopy forests. Jun-Aug. Sattley, T21N R14E S31.

PTEROSPORA***Pterospora andromedea* Nutt. PINE DROPS**

Common. Shaded forest floors. Jun-Aug. Calpine, T21N R14E S17; Sattley, T20N R14E S9.

PYROLA Wintergreen***Pyrola asarifolia* Michx. subsp. *asarifolia* BOG WINTERGREEN**

Uncommon, moist woods and stream edges. Jul-Sep. Sattley, T20N R14E S9.

***Pyrola dentata* Sm. TOOTHED WINTERGREEN**

Fairly common, mixed evergreen forest. Jun-Aug. Yuba Pass, T20N R13E S11.

***Pyrola picta* Sm. WHITE-VEINED WINTERGREEN**

Common, dry forest floors in deep humus. Jun-Aug. Calpine, T21N R14E S16; Yuba Pass, T20N R13E S11; Sattley, T20N R14E S9.

RHODODENDRON***Rhododendron columbianum* (Piper) Harmaja LEDUM**

Bogs and stream banks. May-Aug. To be looked for in the Coburn lake and Maiden Valley areas [= *Ledum glandulosum*].

SARCODES***Sarcodes sanguinea*** Torr. SNOW PLANT

Common, deeper humus of forests. May-Jul. Sattley, T20N R14E S9; Yuba Pass, T20N R13E S11; Calpine, T21N R14E S17.

VACCINIUM Blueberry***Vaccinium uliginosum*** L. subsp. ***occidentale*** (A. Gray) Hulten WESTERN BLUEBERRY

Bogs and wet meadows. Jun-Jul. Yuba Pass, T20N R13E S11.

EUPHORBIACEAE Spurge Family**CHAMAESYCE** Prostrate Spurge***Chamaesyce serpyllifolia*** (Pers.) Small var. ***serpyllifolia*** THYME-LEAVED SPURGE

Common, road edges and other disturbed areas. Aug-Oct. Sattley, T21N R14E S31; Sugarloaf, T23N R15E S17.

CROTON***Croton setigerus*** Hook. TURKEY MULLEIN

Common, disturbed areas and dry stream beds. Jun-Oct. Calpine, T21N R14E S16 [= *Eremocarpus* s.].

EUPHORBIA Spurge***Euphorbia davidii*** Subils DAVID'S SPURGE

One specimen collected as a waif from bird seed. Calpine, T21N R14E S17.

FABACEAE Pea Family**ACMISPON** Deervetch, Deerweed***Acmispon americanus*** (Nutt.) Rydb. var. ***americanus*** SPANISH CLOVER

Common, disturbed areas and roadsides. May-Oct. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17 [= *Lotus purshianus* var. *p.*].

Acmispon argophyllus (A. Gray) Brouillet var. ***fremontii*** (A. Gray) Brouillet FREMONT'S SILVER LOTUS

Open slopes. Apr-Jul. Yuba Pass, T20N R13E S11.

Acmispon grandiflorus (Benth.) Brouillet MOUNTAIN CHAPARRAL LOTUS

Pine forests and moist stream bottoms. May-Aug. One record for the Sierra Valley region (RENO4428, Helen Hamlin, s.n., Jul 1904, Sierra Valley). Variety unknown at this point.

Acmispon nevadensis (S. Wats.) Brouillet var. ***nevadensis*** SIERRA NEVADA LOTUS

Fairly common, gravelly slopes and open woods. May-Aug. Calpine, T21N R14E S16 & S20 [*Lotus n.* var. *n.*].

ASTRAGALUS Locoweed***Astragalus andersonii*** A. Gray ANDERSON'S MILKVETCH

Local, sandy slopes and ridge tops. May-Jul. Dyson Lane, T22N R16E S17; Marble Lane, T22N R15E S18; Lincoln Ridge, T20N R13E S23.

Astragalus canadensis L. var. *brevidens* (Gand.) Barneby CANADIAN MILKVETCH

Local, sandy valley floor and road edges. Jun-Jul. Dyson Lane, T22N R16E S17; Chilcoot (Hwy 70), T23N R16E S36; Hwy 49, T22N R16E S4.

Astragalus casei A. Gray CASE'S MILKVETCH

Sandy soils. Apr-Jun. To be looked for in the northeast corner of Sierra Valley. J.G. Lemmon, in his account of the trip to Pyramid Lake with E.L. Case, stated this taxa was "Collected at first near Beckwourth Pass, later on high plateaus of Nevada..."

Astragalus filipes A. Gray THREAD-LEAVED MILKVETCH

Sagebrush slopes. Apr-Jun. To be looked for on the E side of the valley. This taxon has been collected just to the E of Beckwourth Pass.

Astragalus gibbsii Kellogg GIBBS' MILKVETCH

Common, open sandy areas on valley floor. May-Jun. Hwy 49 (at Filippini Road), T21N R15E S8; Hwy 49 (Harding Point), T20N R15E S6.

Astragalus iodanthus S. Wats. var. *iodanthus* HUMBOLT RIVER MILKVETCH

Sagebrush slopes. Apr-Jun. Loyalton (Elephant Head), T21N R16E S21; Sugarloaf, T23N R15E S17.

Astragalus lemmonii A. Gray LEMMON'S MILKVETCH

Common, subalkaline meadows. CRPR 1B. May-Sep. Dyson Lane, T22N R16E S17; County Road A-24 (N of Loyalton), T22N R15E S35; Hwy 49, T22N R16E S4, Loyalton, T21N R15E S13; Sugarloaf, T23N R15E S17.

Astragalus lentiformis A. Gray LENS-POD MILKVETCH

Dry sandy slopes and open pine forests. CRPR 1B. May-Jun. One record for Sierra Valley (RSA39363, P.A. Munz, #11817, May 16, 1947, 5 mi N of Chilcoot). Frenchman Lake Road, T23N R16E S11.

Astragalus lentiginosus Douglas var. *floribundus* A. Gray FRECKLED MILKVETCH

Open areas in sagebrush. May-Jun. Loyalton, T21N R16E S17.

Astragalus lentiginosus Douglas var. *lentiginosus* FRECKLED MILKVETCH

Open areas, sagebrush scrub. May-Jul. Noted by Glenn Clifton at several sites in Sierra Valley but with the notation "These plants may or may not be of this taxon." Ross Ranch, T22N R14E S3; Dyson Lane, T22N R16E S17; Hwy 49, T22N R16E S4.

Astragalus lentiginosus Douglas var. *salinus* (Howell) Barneby SAGEBRUSH MILKVETCH

Sagebrush scrub and sandy soils. May-Jun. Dyson Lane (W of Hwy 49), T22N R16E S17; Dyson Lane, T22N R15E S6; Hwy 70 (at A-24), T23N R15E S30.

Astragalus malacus A. Gray SHAGGY MILKVETCH

Dry rocky soils. Apr-Jun. To be looked for in the northeast corner of Sierra Valley. Collected 1 mi E of Beckwourth Pass (SD107330, Christopher Davidson, #2748, Jun 7, 1975).

***Astragalus pulsiferae* A. Gray. var. *pulsiferae* PULSIFER'S MILKVETCH**

Locally frequent, dry sandy granitic slopes. CRPR 1B. May-Aug. Beckwourth Pass, T22N R17E S6; Frenchman Lake Road, T23N R16E S12; Sugarloaf, T23N R15E S21; Snow Lake (N of Chilcoot), T23N R17E S6.

***Astragalus purshii* Douglas var. *purshii* PURSHS' WOLLY POD**

Locally common, valley floor and slopes. Apr-Jun. Frenchman Lake Road, T23N R16E S25; Sierraville, T20N R14E S24.

***Astragalus purshii* Douglas var. *tinctus* M.E. Jones PURSHS' PURPLE-FLOWERED WOOLY POD**

Locally common, rocky to sandy slopes. May-Jun. Beckwourth Pass, T22N R17E S6; Beckwourth, T23N R14E S26; Beckwourth Sattley Road, T22N R14E S2.

***Astragalus webberii* A. Gray WEBBER'S MILKVETCH**

Slopes and dry woodlands. May-Jul. Said to have been collected in Sierra Valley but has never been relocated. There are specimens with labels that say "Indian and Sierra Valleys."

CYTISUS***Cytisus scoparius* (L.) Link SCOTCH BROOM**

Disturbed sites. May-Aug. One lone plant in Sierraville (Randolph Hill), T20N R14E S13. This plant may be extirpated as this site has been converted to a horse pasture.

HOSACKIA Lotus***Hosackia crassifolia* Benth. var. *crassifolia* BROAD LEAVED LOTUS**

Scattered, dry wooded slopes. May-Aug. Doe Canyon (Seast of Loyalton), T21N R16E S29; Calpine, T21N R13E S24 & S20 [= *Lotus c.* var. *c.*].

***Hosackia oblongifolia* Benth. var. *oblongifolia* NARROW LEAVED LOTUS**

Uncommon, wet meadows and seep areas. May-Sep. Sattley, T20N R14E S9 [= *Lotus o.* var. *o.*].

LATHYRUS Wild Pea***Lathyrus brownii* Eastw. BROWN'S PEA**

Scattered, dry slopes in open woods. Apr-Jun. Beckwourth Sattley Road, T22N R14E S2; Antelope Valley, T21N R15E S28; Calpine, T21N R14E S20; Sattley, T21N R14E S33.

***Lathyrus lanszwertii* Kellogg var. *lanszwertii* NEVADA PEA**

Common, open dry slopes. May-Jul. Bear Valley Road (Loyalton), T21N R16E S32; Vinton, T23N R16E S35; Sugarloaf, T23N R15E S17.

***Lathyrus latifolius* L. SWEET PEA**

Scattered, disturbed areas and roadsides. Jun-Sep. Hwy 49 (between Sierraville and Sattley), T20N R14E S10.

***Lathyrus nevadensis* S. Wats. var. *nevadensis* SIERRA NEVADA PEA**

Scattered, open dry slopes. Apr-Jun. Calpine, T21N R14E S16.

LOTUS***Lotus corniculatus* L. BIRDS-FOOT TREFOIL**

Scattered, irrigated pasture lands. Jun-Sep. Dyson Lane, T22N R16E S18; Sierraville, T20N R14E S7.

LUPINUS Lupine***Lupinus albicaulis* Douglas WHITE STEMMED LUPINE**

Frequent. Openings in pine forests. May-Aug. Calpine, T21N R14E S17; Yuba Pass, T20N R13E S24.

***Lupinus andersonii* S. Wats. ANDERSON'S LUPINE**

Fairly common above 5000ft on dry granitic slopes. May-Aug. Yuba Pass, T20N R13E S14; Hwy 49 (W of Sattley), T20N R13E S1.

***Lupinus apertus* A.A. Heller SUMMIT LUPINE**

Dry, rocky slopes. Jun-Jul. To be looked for in the higher elevations as this taxon is found just to the W at Haskell Peak.

***Lupinus arbustus* Douglas SPURRED LUPINE**

Common. Openings in sagebrush. May-Sep. Calpine, T21N R14E S16; Antelope Valley, T21N R15E S27.

***Lupinus argenteus* Pursh var. *heteranthus* (S. Wats.) Barneby SILVER SPURRED LUPINE**

Open slopes and sagebrush scrub. May-Sep. Newman Point, T21N R14E S25; Vinton, T23N R16E S28; Sattley, T21N R14E S31; Yuba Pass, T20N R14E S11; Sugarloaf, T23N R15E S17.

***Lupinus argenteus* Pursh var. *meionanthus* (A. Gray) Barneby MANY FLOWERED LUPINE**

Uncommon, brushy slopes. Jul-Aug. Sattley, T20N R14E S16; Calpine, T21N R14E S17.

***Lupinus argenteus* Pursh var. *palmeri* (S. Wats.) Barneby PALMER'S LUPINE**

Uncommon. Sagebrush flats. Jul-Aug. Ramelli Ranch, T23N R14E S27.

***Lupinus bicolor* Lindl. ANNUAL LUPINE**

Uncommon. Disturbed soils on road edge. May-Jul. Beckworth Sattley Road, T21N R14E S9.

***Lupinus breweri* A. Gray var. *breweri* BREWER'S LUPINE**

Scattered. Open granitic soils. May-Jul. Hwy 49 (W of Sattley), T21N R14E S31; Yuba Pass, T20N R13E S13.

***Lupinus grayi* S. Wats. GRAY'S LUPINE**

Uncommon. Dry open slopes. Jun-Aug. Yuba Pass, T20N R13E S11.

***Lupinus latifolius* J. Agardh var. *columbianus* (A. Heller) C.P. Sm. BROAD LEAVED LUPINE**

Common. Meadows and open woods. May-Sep. Hwy 49 (W of Sattley), T21N R14E S31; Sierraville, T20N R14E S13.

***Lupinus lepidus* Lindl. var. *confertus* (Kellogg)C.P. Sm. LEAFY PRAIRIE LUPINE**

Sagebrush scrub and dry meadows. Jun-Aug. Lemmon Canyon, T20N R15E S17; Sierraville, T20N R14E S13; Calpine, T21N R14E S20.

***Lupinus lepidus* Lindl. var. *sellulus* (Kellogg) Barneby PRAIRIE LUPINE**

Common. Sagebrush flats and sandy areas. Jun-Sep. Hwy 49 (N of Sierraville), T21N R14E S24; Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

***Lupinus polyphyllus* Lindl. var. *burkei* (S. Wats.) C.L. Hitchc. BURKE'S MEADOW LUPINE**

Fairly common. Stream edges and springs. May-Jul. Sattley, T21N R14E S33; Hwy 49 (S of Sattley), T20N R14E S10; Coburn Lake, T20N R14E S29; Yuba Pass, T20N R13E S11.

MEDICAGO Alfalfa, Medick***Medicago lupulina* L. BLACK MEDICK**

Uncommon, occasional in old fields. Apr-Jul. Sugarloaf, T23N R15E S17.

***Medicago polymorpha* L. BUR-CLOVER**

Common, disturbed places and old home sites. Apr-Jul. Loyalton, T21N R15E S13.

***Medicago sativa* L. ALFALFA**

Common on roadsides. Apr-Oct. Sugarloaf, T23N R15E S17; Calpine, T21N R14E S16.

MELILOTUS Sweet-Clover***Melilotus albus* Medik. WHITE SWEET-CLOVER**

Common, roadsides and disturbed areas. May-Sep. Newman Point, T21N R14E S25.

***Melilotus officinalis* Lam. YELLOW SWEET-CLOVER**

Common, roadsides and disturbed areas. May-Aug. Hwy 49 (Sierraville to Loyalton), T20N R14E S7.

ONOBRYCHIS***Onobrychis viciifolia* Scop. SANFOIN, HOLY CLOVER**

Uncommon, disturbed roadside. Jun. County Road A-24 (N of Loyalton), T22N R15E S36; Loyalton, T21N R15E S12.

ROBINIA***Robinia pseudoacacia* L. LOCUST TREE**

Common, in towns and old home sites. May-Jun. Sattley, T20N R14E S4.

TRIFOLIUM Clover***Trifolium andersonii* A. Gray var. *andersonii* ANDERSON'S CLOVER**

Locally common, openings in sagebrush. CRPR 4. May-Jun. Calpine, T21N R14E S16; Beckwourth Sattley Road, T22N R14E S11; Loyalton, T21N R16E S30; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

***Trifolium beckwithii* S. Wats. BECKWITH'S CLOVER**

Common, meadows and stream beds. May-Jul. Calpine, T21N R14E S16; Marble Lane, T22N R15E S18; Beckwourth Sattley Road, T21N R14E S9; Sattley, T21N R14E S33.

***Trifolium breweri* S. Wats. BREWER'S CLOVER**

Dry forests. May-Aug. One collection listed for Sierra Valley (JEPS65783, J.G. Lemmon, Sierra Valley, "ca. 1878").

***Trifolium cyathiferum* Lindl. BOWL CLOVER**

Common, meadows, seeps and vernal areas. May-Aug. Antelope Valley, T21N R15E S28; Yuba Pass, T20N R13E S14; Calpine, T21N R14E S29.

***Trifolium fragiferum* L. STRAWBERRY CLOVER**

Uncommon, edges of wet meadows. May-Jun. Marble Lane, T22N R15E S18.

***Trifolium hirtum* All. ROSE or WEEDY CLOVER**

Uncommon, roads and waste places. May-Jun. Calpine, T21N R14E S17; Sattley, T21N R14E S33.

***Trifolium hybridum* L. ALSIKE CLOVER**

Scattered, pastures and moist places. Jun-Sep. Calpine, T21N R14E S17; Sattley, T20N R14E S9.

***Trifolium lemmonii* S. Wats. LEMMON'S CLOVER**

Uncommon, wooded flats and volcanic scalds. CRPR 4. May-Jul. Calpine, T21N R14E S29 & S17; Beckwourth Sattley Road, T22N R14E S23; Antelope Valley, T21N R15E S28; Sattley, T21N R14E S32; Beckwourth Sattley Road (Westside Cemetery area), T22N R14E S23; Sugarloaf, T23N R15E S17.

***Trifolium longipes* Nutt. subsp. *hansenii* (Greene) J.M. Gillett MOUNTAIN LONG-STALKED CLOVER**

Common, moist areas and shaded woods. May-Sep. Yuba Pass, T20N R13E S11; Correco Canyon, T22N R16E S27; Vinton, T23N R16E S23.

***Trifolium longipes* Nutt. subsp. *shastense* (House) J.M. Gillett. SHASTA CLOVER**

Uncommon, red fir forest. Jun-Jul. Yuba Pass, T20N R14E S11.

***Trifolium macrocephalum* (Pursh) Poir. LARGE-HEADED CLOVER**

Common, vernal clay flats. Apr-Jun. Calpine, T21N R14E S16; Marble Lane, T22N R14E S13; Loyalton, T21N R14E S19; Antelope Valley, T21N R15E S28.

***Trifolium microcephalum* (Pursh) Poir. SMALL HEADED CLOVER**

Stream banks and moist disturbed areas. Apr-Aug. Sugarloaf, T23N R15E S17.

***Trifolium monanthum* A. Gray subsp. *monanthum* MOUNTAIN CARPET CLOVER**

Montane wet meadows. Jun-Aug. Yuba Pass, T20N R13E S11; Coburn Lake, T20N R14E S29.

***Trifolium pratense* L. RED CLOVER**

Scattered, roadside ditches. May-Sep. Calpine, T21N R14E S17; Marble Lane, T22N R15E S18.

***Trifolium productum* Greene SHASTA CLOVER**

Common, moist flats and stream banks. Jun-Aug. Coburn Lake, T20N R13E S29; Yuba Pass, T20N R13E S11; Calpine, T21N R14E S29.

***Trifolium variegatum* Nutt. WHITE-TIPPED CLOVER**

Fairly common, moist places. Apr-Jul. Yuba Pass, T20N R13E S11; Frenchman Lake Road, T23N R16E S24; Sugarloaf, T23N R15E S17.

***Trifolium wormskoldii* Lehm. COW CLOVER**

Fairly common, moist areas and stream banks. May-Oct. Sattley, T20N R14E S9; Antelope Valley, T21N R15E S28; Calpine, T21N R14E S20.

VICIA Vetch***Vicia americana* Willd. subsp. *americana* AMERICAN VETCH**

Common, roadside ditches. Apr-Jul. Sierraville, T20N R14E S13; Sattley, T21N R14E S29; Ross Meadows, T23N R14E S33; Sugarloaf, T23N R15E S17.

***Vicia sativa* L. SPRING VETCH**

Oak woodlands and disturbed areas. Apr-Jul. Sugarloaf, T23N R15E S17.

***Vicia villosa* Roth WINTER VETCH**

Scattered, roadside ditches. Apr-Jul. Sattley, T20N R14E S4.

FAGACEAE Oak family**CHRYSOLEPIS** Chinquapin***Chrysolepis sempervirens* (Kellogg) Hjelmq. SIERRA CHINQUAPIN**

Scattered, dry rocky slopes. Jul-Aug. Hwy 49 (W of Sattley), T21 R14E S31; Sattley, T20N R14E S9.

QUERCUS Oak***Quercus chrysolepis* Liebm. MAUL OAK**

Shaded slopes. Apr-May. Antelope Valley, T21N R15E S28.

***Quercus kelloggii* Newb. BLACK OAK**

Scattered stands on slopes. Apr-May. Mapes Canyon, T23N R14E S11; Beckwourth Sattley Road, T22N R14E S34; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S28.

***Quercus vaccinifolia* Kellogg HUCKLEBERRY OAK**

Slopes and rocky areas. May-Jul. One collection for Sierra Valley (UC338540, unknown, Oct. 20, 1890, Oleson's ranch, Sierra Valley, from the Lemmon Herbarium, probably collected by Lemmon). Rebecca Oleson was J.G. Lemmon's sister. Sierraville, T20N R14E S13.

GENTIANACEAE Gentian Family**FRASERA*****Frasera albicaulis* Griseb. var. *nitida* (Benth.) C.L. Hitch. WHITE-STEMMED FRASERA**

Scattered, dry open forest floor. May-Jul. Calpine, T21N R14E S29 [*Swertia a.* var. *n.*].

GENTIANA Gentian***Gentiana newberryi* A. Gray var. *tiogana* (A. Heller) J.S. Pringle ALPINE GENTIAN**

Uncommon. Primarily in wet meadows and wet stream beds. Jun-Sep. Calpine, T21N R14E S16; Sattley, T20N R14E S9; Sierraville, T20N R14E S13.

GENTIANOPSIS Fringed Gentian

Gentianopsis simplex (A. Gray) H.H. Iltis ONE-FLOWERED GENTIAN
Scattered, wet meadows and seeps. Jul-Sep. Yuba Pass, T20N R13E S11.

ZELTNERA Centaury

Zeltnera muehlenbergii (Griseb.) G. Mans. JUN CENTAURY
Uncommon, moist places. Jun-Sep. Marble Lane, T22N R15E S18; Ramelli Ranch, T23N R14E S27 [*Centaureum m.*].

GERANIACEAE Geranium Family**ERODIUM** Filaree

Erodium cicutarium (L.) Aiton RED-STEMMED FILAREE
Common, disturbed areas and roadsides. Mar-Aug. Calpine, T21N R14E S16; Marble Lane, T22N R14E S13.

GROSSULARIACEAE Gooseberry Family**RIBES** Gooseberry

Ribes aureum Pursh var. *aureum* GOLDEN CURRANT
Scattered, moist roadside edges. Apr-May. Dyson Lane, T22N 15E S13; Loyaltton, T21N R15E S13; Hwy 70, T23N R15E S28; Hwy 49 (S of Vinton), T22N R16E S20.

Ribes cereum Douglas var. *cereum* WAX CURRANT
Fairly common, dry rocky slopes and ridges. Jun-Jul. Lincoln Ridge, T20N R13E S23.

Ribes montigenum McClatchie MOUNTAIN CURRANT
Local, open ridges and slopes. Jun-Jul. Coburn Lake, T20N R14E S29.

Ribes nevadense Kellogg SIERRA NEVADA CURRANT
Local. Moist places and along streams. Apr-Jul. Calpine, T21N R14E S29.

Ribes roezlii Regel var. *roezlii* SIERRA GOOSEBERRY
Common, open slopes. May-Jul. Sattley, T20N R14E S9; Hwy 49 (S of Vinton), T22N R16E S8.

Ribes velutinum Greene PLATEAU GOOSEBERRY
Dry sandy or rocky slopes. May-Jun. Loyaltton, T21N R15E S15; Vinton, T23N R16E S35.

Ribes viscosissimum Pursh STICKY CURRANT
Open forest. May-Jul. To be looked for in the Yuba Pass area as this taxon has been reported just to the W.

HALORAGIDACEAE Water-Milfoil Family**MYRIOPHYLLUM**

Myriophyllum sibiricum Kom. SIBERIAN WATER-MILFOIL
Uncommon, drying mud flats. Jun-Sep. Beckwourth Sattley Road, T23N R14E S35.

Myriophyllum spicatum L. EURASIAN WATER-MILFOIL

Common, roadside ditches and drying mud flats. Jul-Sep. Marble Lane, T22N R15E S18.

Myriophyllum verticillatum L. WHORLED WATER-MILFOIL

Common throughout the wetlands. Jul-Sep. Marble Lane, T22N R15E S18.

HYPERICACEAE St. Johns Wort Family**HYPERICUM** St. Johns Wort*Hypericum anagalloides* Cham. & Schltld. TINKER'S PENNY

Common, wet meadows streams and seeps. Jun-Aug. Sattley, T20N R14E S4; Yuba Pass, T20N R13E S11.

Hypericum perforatum L. subsp. *perforatum* ST. JOHNS WORT, KLAMATH WEED

Scattered, roadsides and disturbed areas. Jun-Sep. Hwy 49 (between Sattley and Sierraville), T20N R14E S11.

Hypericum scouleri Hook. SCOULERS ST. JOHN'S WORT

Common, wet meadows and streams. Jun-Aug. Sattley, T20N R14E S9; Calpine, T21N R14E S32; Sugarloaf, T23N R15E S17 [*H. formosum* var. *s.*].

LAMIACEAE Mint Family**AGASTACHE** Horsemint*Agastache urticifolia* (Benth.) Kuntze HORSEMINT

Scattered, moist meadowy slopes and flats. Jun-Sep. Antelope Valley, T21N R15E S16; Loyalton, T21N R16E S13; Frenchman Lake Road, T23N R16E S10.

LAMIUM Dead Nettle*Lamium amplexicaule* L. HENBIT

Uncommon, disturbed areas and waste places. Apr-Aug. Loyalton, T21N R15E S12; Beckwourth, T23N R15E S19; Vinton, T23N R16E S19.

MARRUBIUM Horehound*Marrubium vulgare* L. COMMON HOREHOUND.

Uncommon, waste places. Apr-Oct. Marble Lane, T22N R15E S18.

MENTHA Mint*Mentha arvensis* L. FIELD MINT

Common, wet areas and stream banks. Jul-Sep. Yuba Pass, T20N R13E S11; Sattley, T20N R14E S9.

Mentha xpiperita L. PEPPERMINT

Uncommon, marshlands. Jul-Oct. Dyson Lane (S of Hwy 70), T22N R15E S6.

Mentha spicata L. SPEARMINT

Scattered, wet areas. Jul-Sep. Sattley, T20N R14E S9.

MONARDELLA Wild Mint

Monardella odoratissima Benth. subsp. *glauca* (Greene) Epling GLAUCOUS MOUNTAIN MINT
Uncommon, dry rocky slopes. Jun-Aug. Loyalton, T21N R16E S29; Frenchman Lake Road, T23N R16E S10.

Monardella odoratissima Benth. subsp. *pallida* (A. Heller) Epling MOUNTAIN MINT
Common, dry rocky slopes. Jun-Aug. Sattley, T21N R14E S33; Beckwourth Sattley Road, T22N R14E S34; Calpine, T21N R14E S20.

PRUNELLA

Prunella vulgaris L. var. *lanceolata* (W.P.C. Barton) Fernald SELF-HEAL
Common, wet meadows and seeps. May-Sep. Sattley, T21N R14E S9; Calpine, T21N R14E S20.

PYCNANTHEMUM

Pycnanthemum californicum Durand SIERRA MINT
Scattered, moist places. Jun-Nov. Sugarloaf, T23N R15E S17.

SALVIA Sage

Salvia aethiopsis L. MEDITERRANEAN SAGE
Uncommon, disturbed areas. Jun-Jul. A weed that should be removed whenever found. Loyalton, T21N R16E S18.

Salvia dorrii (Kellogg) Abrams var. *dorrii* DORR'S SAGE
Dry flats and slopes. May-Jul. To be looked for on the E side of the valley as this taxon is found to the east in lower Long Valley (Red Rock Road & Hwy 395 N of Hallelujah Junction).

Salvia dorrii (Kellogg) Abrams var. *pilosa* (A. Gray) Strachan & Reveal HAIRY SAGE
Dry slopes and washes. May-Jul. One historic collection at Portola (UC454120, Katharine Brandegee, Jul 30, 1911). To be looked for in weathered volcanic soils.

SCUTELLARIA Skullcap

Scutellaria nana A. Gray DWARF SKULLCAP
Dry volcanic soils. Jun-Aug. To be looked for as this taxon has been reported northwest of Frenchman Lake.

There are two other collections by J.G. Lemmon for this genus listed for Sierra County that may or may not be from Sierra Valley: *S. antirrhinoides* Benth., Sep. 1874 [UC1523373] and *S. siphocampyloides* Vatke, Aug. 1874 [UC 1523371].

STACHYS Hedge Nettle

Stachys ajugoides Benth. BUGLE HEDGE NETTLE
Common, moist areas and seeps. Jul-Sep. Sattley, T21N R14E S30; Calpine, T21N R14E S20.

TRICHOSTEMA Bluecurls***Trichostema oblongum*** Benth. MOUNTAIN BLUECURLS

Common, drying stream beds and vernal areas. Jun-Sep. Calpine, T21N R14E S16 & S29; Ramelli Ranch, T23N R14E S27.

Trichostema simulatum Jeps. SISKIYOU BLUECURLS

Common, dry slopes and openings in sagebrush. Jun-Aug. Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S28; Calpine, T21N R14E S16.

LENTIBULARIACEAE Bladderwort Family**UTRICULARIA** Bladderwort***Utricularia macrorhiza*** Leconte COMMON BLADDERWORT

Uncommon, roadside ditches and ponded water. Jun-Sep. Calpine, T21N R14E S16; Marble Lane, T22N R15E S18.

LIMNANTHACEAE False Mermaid Family**FLOERKEA** False Mermaid***Floerkea proserpinacoides*** Willd. FALSE MERMAID

Locally frequent, vernal areas. Apr-Jul. To be looked for as this taxon has been reported just outside the northern boundary of the project area at Dotta Saddle.

LINACEAE Flax Family**HESPEROLINON** Dwarf Flax***Hesperolinon micranthum*** (A. Gray) Small SMALL FLOWERED DWARF FLAX

Open woodland margins. May-Jul. Antelope Valley, T21N R15E S28; Sattley, T20N R14E S4.

LINUM Flax***Linum lewisii*** Pursh var. *lewisii* WESTERN BLUE FLAX

Common, drying open flats and slopes. May-Sep. Hwy 49 (S of Vinton), T22N R16E S17; Calpine, T21N R14E S21; Antelope Valley, T21N R15E S28; Beckwourth Sattley Road, T22N R14E S11; Sugarloaf, T23N R15E S17.

SCLEROLINON***Sclerolinon digynum*** (A. Gray) C.M. Rogers NORTHWESTERN YELLOW FLAX

Moist meadows. May-Sep. Beckwourth Sattley Road, T21N R14E S3; Knutson Meadows, T21N R14E S6; Dyson Lane (S of Hwy 70), T22N R15E S5.

LOASACEAE Loasa Family**MENTZELIA*****Mentzelia albicaulis*** (Hook.) Torr. & A. Gray WHITE-STEMMED STICK-LEAF

Fairly common, open flats and sandy slopes. May-Jul. Marble Lane, T22N R14E S13; Beckwourth Pass, T22N R17E S6; Loyaltan, T21N R15E S12; Sugarloaf, T23N R15E S17.

Mentzelia congesta Torr. & A. Gray VENTANA STICK-LEAF

Common, open sandy places. May-Jul. Frenchman Lake Road, T23N R16E S25; Sugarloaf, T23N R15E S17.

Mentzelia dispersa S. Wats. NADA STICK-LEAF

Fairly common, dry rocky and sandy slopes. Jun-Jul. Hwy 70, T23N R15E S35; Antelope Valley, T21N R15E S28; Ramelli Ranch, T23N R14E S27.

Mentzelia laevicaulis (Hook.) Torr. & A. Gray BLAZING STAR

Uncommon, disturbed road edge. Jul-Aug. Marble Lane, T22N R15E S18.

Mentzelia montana Davidson MOUNTAIN STICK-LEAF

Uncommon, flats among the sagebrush. May-Jul. Beckwourth, T23N R14E S26; Newman Point, T21N R14E S25; Hwy 70 (W of Vinton), T23N R16E S32; Frenchman Lake Road, T23N R16E S5.

Mentzelia veatchiana Kellogg VEATCH'S STICK-LEAF

Locally common, open sandy slopes and flats. May-Jul. Frenchman Lake Road, T23N R16E S25; Ramelli Ranch, T23N R14E S27; Beckwourth Sattley Road, T22N R14E S34.

LYTHRACEAE Loosestrife Family**LYTHRUM** Loosestrife***Lythrum hyssopifolia*** L. HYSSOP LOOSESTRIFE

Uncommon, moist places and river edges. May-Sep. Ramelli Ranch, T23N R14E S27.

Lythrum portula (L.) D.A. Webb. WATER PURSLANE

Uncommon, wet places and drying marshes. Jul-Aug. Marble Lane, T22N 15E S18; Beckwourth Sattley Road (S of Hwy 70), T23N R14E S35.

ROTALA***Rotala ramosior*** (L.) Koehne TOOTH CUP

Uncommon, wet areas. Jun-Aug. Calpine, T21N R14E S16; Beckwourth Sattley Road (S of Hwy 70), T22N R14E S2.

MALVACEAE Mallow Family**ABUTILON** Indian Mallow***Abutilon theophrasti*** Medik. VELVETLEAF

Isolated garden weed. Apparently came from birdseed. Jul-Aug. Loyalton, T21N R15E S13.

HIBISCUS***Hibiscus trionum*** L. FLOWER-OF-AN-HOUR

Rare. Disturbed areas. Apr-Nov. One record for Sierra Valley (UCD127641, A.M. Shapiro, s.n.). Sierraville, T20N R14E S24.

MALVA Mallow

Malva neglecta Wallr. COMMON MALLOW

Common, disturbed areas. May-Sep. Vinton, T23N R16E S34; Calpine, T21N R14E S16; Loyalton, T21N R15E S13.

SIDALCEA Checker Mallow*Sidalcea glaucescens* Greene WAXY CHECKERBLOOM

Open forest and dry meadows. Jun-Aug. To be looked for as this taxon has been collected in areas bordering Sierra Valley.

Sidalcea oregana (Torr. & A. Gray) A. Gray subsp. *spicata* (Regel) C.L. Hitchc. SPIKED CHECKERBLOOM

Common, open meadows and stream banks. Jun-Oct. Sattley, T20N R14E S9; Marble Lane, T22N R14E S13; Sierraville, T20N R14E S13; Sugarloaf, T23N R15E S17.

SPHAERALCEA Globemallow*Sphaeralcea munroana* (Lindl.) Spach ex A. Gray MUNROE'S CHECKERBLOOM

Rare, probable waif. Jun-Jul. Hwy 70 (W of Vinton), T23N R16E S28; Newman Point, T21N R14E S25.

MENYANTHACEAE Buckbean Family**MENYANTHES***Menyanthes trifoliata* L. BOGBEAN

Uncommon, shallow lakes and ponds. Jul. Coburn Lake, T20N R14E S29.

MONTIACEAE Miner's Lettuce Family**CALYPTRIDIDIUM** Pussypaws*Calyptridium monospermum* Greene SINGLE-SEEDED PUSSY PAWS

Common, sandy to gravelly areas. Jun-Aug. Calpine, T21N R14E S17; Sattley, T20N R14E S9.

Calyptridium umbellatum (Torr.) Greene PUSSY PAWS

Fairly common, sandy to gravelly areas. May-Nov. Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

CLAYTONIA*Claytonia lanceolata* Pursh WESTERN-SPRING BEAUTY

Fairly common, near melting snow banks. Apr-Jul. Calpine, T21N R14E S29.

Claytonia perfoliata Willd. subsp. *perfoliata* MINERS LETTUCE

Common in wooded areas. Mar-May. Calpine, T12N R14E S16; Sugarloaf, T23N R15E S17.

Claytonia rubra (Howell) Tidestr. subsp. *depressa* (A. Gray) John M. Mill. & K.L. Chambers REDDISH MINERS LETTUCE

Open disturbed areas. Mar-Jun. Calpine, T21N R14E S19.

***Claytonia rubra* (Howell) Tidestr. subsp. *rubra* REDDISH MINERS LETTUCE**

Fairly common, roadsides. Mar-May. Hwy 49 (S of Vinton), T22N R16E S8; Calpine, T21N R14E S20.

LEWISIA***Lewisia nevadensis* (A. Gray) B.L. Rob. NEVADA LEWISIA**

Fairly common, moist areas and meadows. May-Jul. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27.

***Lewisia rediviva* Pursh BITTERROOT**

Open volcanic soils. May-Jun. To be looked for as this taxon has been collected just outside the project area; north at Dixie Valley and just E of Staverville canyon (Loyalton).

***Lewisia triphylla* (S. Wats.) B.L. Rob. THREE-LEAVED LEWISIA**

Moist gravelly areas and glades. May-Aug. Coburn Lake, T20N R14E S29.

MONTIA***Montia chamissoi* (Spreng.) Greene TOAD-LILY**

Common in slow moving water of springs and marshes. May-Jul. Sattley, T20N R14E S9; Dyson Lane, T22N R15E S6.

***Montia dichotoma* (Nutt.) Howell DICHOTOMOUS MONTIA**

Limited, vernal areas. May-Jun. Dyson Lane, T22N R16E S17.

***Montia fontana* L. WATER-CHICKWEED**

Rain pools and vernal areas. Apr-Jun. Ramelli Ranch, T23N R14E S27; Marble Lane, T22N R15E S18.

***Montia linearis* (Hook.) Greene LINEAR-LEAVED MONTIA**

Common, moist areas. Apr-Jun. Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E S16; Vinton, T23N R16E S35.

MYRSINACEAE**LYSIMACHIA*****Lysimachia minima* (L.) U. Manns & Anderb. CHAFFWEED**

Uncommon. Vernal areas. Apr-Jul. Ramelli Ranch, T23N R14E S27 [*Centunculus m.*; *Anagallis m.*].

NYCTAGINACEAE Four-O'clock Family**ABRONIA Sand Verbena*****Abronia turbinata* S. Wats. TRANSMONTANE ABRONIA**

Rare, small sand dunes. Jun-Jul. Frenchman Lake Road, T24N R16E S25 (Reported by Glenn Clifton); Sierra Valley (JEPS61228, J.G. Lemmon, Aug 1873).

ONAGRACEAE Evening Primrose Family**CAMISSONIA** Sun Cup***Camissonia contorta*** (Douglas) Kearney CONTORTED SUN CUP

Common, open sandy soils. Apr-Jul. Frenchman Lake Road, T23N R16E S25; Beckwourth, T23N R14E S25; Hwy 70, T23N R15E S30; Calpine, T21N R14E S16.

Camissonia parvula (Torr. & A. Gray) P.H. Raven LEWIS RIVER SUN CUP

Sandy soils, sagebrush scrub. May-Jun. To be looked for as this taxon has been collected just to the E of Beckwourth Pass.

Camissonia pubens (S. Wats.) P.H. Raven CARSON CITY SUN CUP

Uncommon, open sandy soil in sagebrush. Jun-Jul. Dyson Lane (S of Hwy 70), T22N R15E S6; Vinton, T23N R16E S35.

Camissonia pusilla P.H. Raven TINY SUN CUP

Fairly common, dry rocky slopes. May-Jun. Hwy 49 (N of Loyalton), T21N R16E S5; Loyalton, T21N R16E S8; Beckwourth Pass, T23N R17E S6.

CHAMERION Fireweed***Chamerion angustifolium*** (L.) Holub. subsp. *circumvagum* (Mosquin) Hoch FIREWEED.

Infrequent, open or shaded moist slopes. Jul-Sep. Sierraville, T20N R14E S22; Calpine, T21N R14E S19 [= *Epilobium a.* subsp. *c.*].

CIRCAEA***Circaea alpina*** L. subsp. *pacifica* (Asch. & Magnus) P.H. Raven ENCHANTERS NIGHSHADE

Common, moist woods and brushy stream sides. Jun-Aug. Yuba Pass, T20N R13E S11; Sattley, T20N R14E S9; Sierraville, T20N R14E S22.

CLARKIA***Clarkia gracilis*** (Piper) A. Nels. & J.F. Macbr. SLENDER CLARKIA

Uncommon, rocky volcanic slopes. Apr-Jul. One record for Sierra Valley (CAS1100035; J.R. Shevock, B. Ertter #11536, Jun 1, 1986). Newman Point, T21N R14E S26.

Clarkia lassenensis (Eastw.) H. Lewis & M. Lewis LASSEN'S CLARKIA

Common, dry open forest and sagebrush scrub. May-Jul. Calpine, T21N R14E S16; Antelope Valley, T21N R15E S16; Mapes Canyon, T23N R14E S11; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

Clarkia rhomboidea Douglas DIAMOND CLARKIA

Common, open forests and rocky areas. May-Jul. Antelope Valley, T21N R15E S16; Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E S30.

EPILOBIUM Willow-Herb***Epilobium anagallidifolium*** Lam. ALPINE WILLOWHERB

Uncommon, moist alpine slopes, stream banks and meadows. Jun-Sep. One record for the Sierra Valley region (JEPS43876, L.S. Smith #2436, 1928). Yuba Pass, T20N R13E S11.

Epilobium brachycarpum C. Presl. PANICLED WILLOWHERB

Common, dry open places and disturbed areas. Jun-Aug. Sattley, T20N R14E S9; Beckwourth, T23N R14E S11; Calpine, T21N R14E S16; Yuba Pass, T20N R13E S11; Sierraville, T20N R14E S13; Sugarloaf, T23N R15E S17.

Epilobium campestre (Jeps.) Hoch & W.L. Wagner SMALL WILLOWHERB

Infrequent, drying vernal and wet areas. May-Sep. Beckwourth Sattley Road, T23N R14E S35; Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E S15.

Epilobium canum (Greene) P.H. Raven subsp. ***latifolium*** (Hook.) P.H. Raven CALIFORNIA FUCHSIA

Uncommon. Dry slopes. Jun-Sep. Calpine, T21N R14E S30 (SJSU12100, N.A. Hopkins, C.L. Schmidt, #1119, Aug. 1, 1982); Loyalton, T21N R15E S13 (POM272049, Mrs. J.W. Morrison, s.n.) [= *Zauschneria californica* subsp. *l.*].

Epilobium ciliatum Raf. subsp. ***ciliatum*** CILIATE WILLOWHERB

Common. Meadows, streams and seeps. Jul-Aug. Beckwourth Sattley Road, T21N R14E S21; Sugarloaf, T23N R15E S17.

Epilobium ciliatum Raf. subsp. ***glandulosum*** (Lehm.) Hoch & P.H. Raven GLANDULAR WILLOWHERB

Common, seeps and meadows. Apr-Sep. Sattley, T20N R14E S9.

Epilobium cleistogamum (Curran) Hoch & P.H. Raven SELFING WILLOWHERB

Vernal pools. May-Jul. One collection for the Sierra Valley region (SJSU15150, N.A. Hopkins, C.L. Schmidt, #1734, Jul 23, 1993). Marble Lane, T22N R14E S13. Normally found in the Sacramento Valley vernal pools. Probable misidentification as the difference between this taxon and *E. campestre* is in the seeds.

Epilobium densiflorum (Lindl.) Hoch & P.H. Raven DENSE FLOWERED WILLOWHERB

Common, vernal moist areas. May-Oct. Calpine, T21N R14E S16; Marble Lane, T22N R14E S13; Antelope Valley, T21N R15E S21.

Epilobium glaberrimum Barbey subsp. ***glaberrimum*** GLAUCOUS WILLOWHERB

Common. Seeps, streams and wet meadows. Jun-Aug. Sierraville, T21N R15E S18.

Epilobium hallianum Hausskn. HALL'S WILLOWHERB

Moist meadows. Jun-Sep. To be looked for as this taxon is found just outside the project area at McNair Meadow.

Epilobium hornemannii Rchb. subsp. ***hornemannii*** HORNEMANN'S WILLOWHERB

Fairly common, seeps and streams. Jul-Aug. To be looked for in the higher elevations as this taxon has been reported just to the W of Yuba Pass.

Epilobium howellii Hoch HOWELL'S WILLOWHERB

Rare, mossy seeps and wet meadows. Often overlooked. CRPR 4. Jul-Aug. Yuba Pass, T20N R13E S11; Maiden Valley, T20N R13E S29.

Epilobium minutum Lindl. MINUTE WILLOWHERB

Common, dry, open disturbed areas and vernal pools. May-Aug. To be looked for as this taxon has been found to the N and W of Sierra Valley.

***Epilobium oreganum* Greene OREGON FIREWEED**

Rare. Moist edges of river. CRPR 1B. Jul-Sep. Ramelli Ranch, T23N R14E S28.

***Epilobium pallidum* (Eastw.) Hoch & P.H. Raven LARGE FLOWERED SPIKE PRIMROSE**

Moist sandy or gravelly areas. May-Jul. Calpine, T21N R14E S19.

***Epilobium saximontanum* Hausskn. ROCKY MOUNTAIN WILLOWHERB**

Meadows and stream banks. Jul-Sep. To be looked for in the higher elevations as this taxon has been collected near Webber Lake.

***Epilobium torreyi* (S. Wats.) Hoch & P.H. Raven TORREY'S WILLOWHERB**

Seasonally moist swales and stream banks. May-Aug. Calpine, T21N R14E S15.

GAYOPHYTUM Groundsmoke***Gayophytum diffusum* Torr. & A. Gray subsp. *diffusum* DIFFUSE GROUNDSMOKE**

Common, dry sandy flats and slopes and openings in brush. Jun-Aug. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27.

***Gayophytum diffusum* Torr. & A. Gray subsp. *parviflorum* H. Lewis & Szweyk. HAIRY-SEEDED GROUNDSMOKE**

Common, dry sandy slopes and ridges. Jun-Aug. Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E 30; Beckwourth Sattley Road (S of Beckwourth), T22N R14E S11.

***Gayophytum eriospermum* Coville COVILLE'S GROUNDSMOKE**

Open montane forest. Jul-Aug. Chilcoot, T23N R16E S11.

***Gayophytum heterozygum* F.H. Lewis & Szweyk. ZIGZAG GROUNDSMOKE**

Open rocky and gravelly slopes. Jun-Aug. NE of The Buttes, T23N R15E S11; Sugarloaf, T23N R15E S17.

***Gayophytum humile* A. Juss. LOW GROUNDSMOKE**

Drying margins of wet sites. Jul-Aug. Calpine, T21N R14E S30.

***Gayophytum racemosum* Torr. & A. Gray BLACK FOOTED GROUNDSMOKE**

Drying margins of meadows. Jul-Aug. Calpine, T21N R14E S16.

***Gayophytum ramosissimum* Torr. & A. Gray MANY-BRANCHED GROUNDSMOKE**

Common, sandy flats and dry slopes. Jun-Aug. Frenchman Lake Road, T23N R16E S25; Beckwourth Pass, T22N R17E S6.

NEOHOLMGRENIA***Neoholmgrenia andina* (Nutt.) W.L. Wagner & Hoch PLATEAU SUN CUP**

Uncommon, vernal flats, often in clay soil. May-Jul. Dyson Lane, T22N R16E S17; Calpine, T21N R14E S21 [= *Camissonia a.*].

OENOTHERA Evening Primrose***Oenothera californica* (S. Wats.) S. Wats. subsp. *avita* W.M. Klein CALIFORNIA EVENING PRIMROSE**

Way out of range but with sagebrush association; probable misidentification (SJSU14291, N.A. Hopkins, S.R. Piazza, #1527, Jun 7, 1989). Need fruit for positive identification. Chilcoot, T23N R16E S11.

Oenothera cespitosa Nutt. subsp. *marginata* (Hook. & Arn.) Munz FRAGRANT EVENING PRIMROSE

Limited, openings in sandy areas. May-Jul. Frenchman Lake Road, T23N R16E S30.

Oenothera deltoides Torr. & Frém. subsp. *piperi* (Munz) W.M. Klein PIPER'S EVENING PRIMROSE

Common, dry sandy flats and slopes. May-Jul. Beckwourth Pass, T23N R17E S31; Vinton, T23N R15E S35; Frenchman Lake Road, T23N R16E S14.

Oenothera flava (A. Nels.) Garret DANDELION-LIKE EVENING PRIMROSE

Common, vernal areas and margins of drying meadows. May-Jul. Marble Lane, T22N R15E S18; Ramelli Ranch, T23N R14E S27; Hwy 70 (E of Beckwourth), T23N R15E S34.

TARAXIA

Taraxia subacaulis (Pursh) Rydb. NORTHERN SUN CUP

Uncommon, wet to somewhat dry clay meadows. May-Aug. To be looked for as this taxon is found to the N and S of the project area.

Taraxia tanacetifolia (Torr. & A. Gray) Piper SIERRA VALLEY EVENING PRIMROSE

Clay flats and roadsides. May-Jul. Hwy 49 (N of Sierraville), T21N R14E S24; Dyson Lane (S of Hwy 70), T22N R15E S5 [= *Camissonia t.* subsp. *quadriperforata*].

OROBANCHACEAE Broomrape Family

CASTILLEJA Paintbrush

Castilleja applegatei Fernald subsp. *pinetorum* (Fernald) Chuang & Heckard WAVY LEAVED PAINTBRUSH

Common, dry rocky slopes and flats. May-Jul. Sattley, T20N R14E S4; Calpine, T21N R14E S18 & S20; Sierraville, T20N R15E S30; Antelope Valley, T21N R15E S28.

Castilleja arachnoidea Greenm. COBWEBBY PAINTBRUSH

Usually above 6000 ft, open rocky slopes and ridges. May-Aug. Snow Lake (N of Chilcoot), T23N R17E S6.

Castilleja campestris (Benth.) Chuang & Heckard subsp. *campestris* ANNUAL FIELD PAINTBRUSH

Common in roadside ditches and other vernal areas. Jun-Jul. Heriot Lane, T22N R15E S21 [Orthocarpus c.].

Castilleja chromosa A. Nels. DESERT PAINTBRUSH

Uncommon, dry sagebrush slopes. May-Jul. Beckwourth Pass, T22N R17E S7.

Castilleja lacera (Benth.) Chuang & Heckard ANNUAL CUT LEAVED PAINTBRUSH

Fairly common, roadside ditches. May-Jul. Heriot Lane, T22N R15E S21; Antelope Valley, T21N R15E S28; Calpine, T21N R14E S17; Sattley, T20N R14E S4; Marble Lane, T22N R15E S18.

***Castilleja miniata* Hook. subsp. *miniata* GREAT RED PAINTBRUSH**

Common, moist meadows and stream banks. May-Sep. Sattley, T20N R14E S9.

***Castilleja nana* Eastw. DWARF PAINTBRUSH**

Above 6000 feet, open rocky slopes and ridges. Jun-Jul. There are several areas within the Sierra Valley region that are good habitat for this species.

***Castilleja pilosa* (S. Wats.) Rydb. HAIRY PAINTBRUSH**

Fairly common, open dry gravelly slopes, ridges and sagebrush flats. Jun-Jul. Marble Lane, T22N R14E S13; Calpine, T21N R14E S16; Hwy 49 (S of Vinton), T22N R16E S10; Ramelli Ranch, T23N R14E S27.

***Castilleja tenuis* (A. Heller) Chuang & Heckard HAIRY ANNUAL PAINTBRUSH**

Common, meadows. May-Oct. Heriot Lane, T22N R15E S21; Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27 [*Orthocarpus hispidus*].

CORDYLANTHUS Birds Beak***Cordylanthus ramosus* Nutt. ex Benth. MANY BRANCHED BIRDS BEAK**

Open brushy slopes. Jul-Sep. To be looked for in the Chilcoot area.

***Cordylanthus tenuis* A. Gray subsp. *tenuis* SLENDER BIRDS BEAK**

Fairly common, but not often noted. Open pine forests. Jul-Sep. Calpine, T21N R14E S18; Sierraville, T20N R15E S20.

OROBANCHE Broomrape***Orobanche corymbosa* (Rydb.) Ferris RYDBERG'S BROOMRAPE**

Common, mostly parasitic on sagebrush. Jun-Aug. Frenchman Lake Road, T23N R16E S25; Hwy 70, T23N R15E S35; Sattley, T21N R14E S31; Sugarloaf, T23N R15E S17.

***Orobanche fasciculata* Nutt. CLUSTERED BROOMRAPE**

Common, mostly parasitic on sagebrush. Apr-Jul. Antelope Valley, T21N R15E S16; Sugarloaf, T23N R15E S17; Calpine, T21N R14E S16.

***Orobanche uniflora* L. NAKED BROOMRAPE**

Common, mostly parasitic on herbs. Apr-Jul. Antelope Valley, T21N R15E S16.

ORTHOCARPUS Owl Clover***Orthocarpus cuspidatus* Greene subsp. *copelandii* (Piper) Chuang & Heckard COPELAND'S OWL CLOVER**

Open slopes and ridges. Jun-Jul. To be looked for in the Yuba Pass area as this taxon has been reported just to the W.

***Orthocarpus cuspidatus* Greene subsp. *cryptanthus* (Piper) Chuang & Heckard SHORT FLOWERED OWL CLOVER**

Mostly on volcanic open slopes and ridges. Jun-Jul. To be looked for as it has been found both N and S of project area.

***Orthocarpus luteus* Nutt. YELLOW OWL CLOVER**

Edges of vernal areas in the sagebrush. Jul-Aug. Marble Lane, T22N R15E S18; Hwy 49 (S of Vinton), T22N R16E S4; Beckwourth Sattley Road (N of Sattley), T21N R14E S22; Heriot Lane, T22N R15E S21; Dyson Lane (S of Hwy 70), T22N R15E S5.

PEDICULARIS Lousewort***Pedicularis attollens* A. Gray LITTLE ELEPHANTS HEAD**

Fairly common, wet meadows, especially in the Sierraville and Sattley areas. Jun-Sep. Sierraville, T20N R14E S13; Sattley, T21N R14E S33.

***Pedicularis groenlandica* Retz. LARGE ELEPHANTS HEAD**

Locally common, very wet meadows and seep areas. Generally above 6000'. Jul-Aug. Yuba Pass, T20N R13E S11.

***Pedicularis racemosa* Benth. LEAFY LOUSEWORT**

Moist areas in open conifer forest. Jun-Aug. To be looked for in the Yuba Pass area.

***Pedicularis semibarbata* A. Gray PINE LOUSEWORT**

Common in shaded woods, generally above 6000'. May-Jul. Yuba Pass, T20N R13E S11; Sattley, T20N R14E S9.

PAEONIACEAE Paeony Family**PAEONIA*****Paeonia brownii* Douglas BROWN'S PAEONY**

Common, dry brushy slopes and flats. Apr-Jul. Calpine, T21N R14E S16; Ross Meadows, T23N R14E S34; Sattley, T20N R14E S4; Newman Point, T21N R14E S25; Sugarloaf, T23N R15E S17.

PAPAVERACEAE Poppy Family**ARGEMONE** Prickly Poppy***Argemone munita* Durand & Hilg. PRICKLY POPPY**

Scattered, dry rocky and sandy slopes. Jul-Sep. Sierraville, T20N R15E S17; Hwy 49 (S of Vinton), T22N R16E S4; Sugarloaf, T23N R15E S17.

DICENTRA Bleeding Heart***Dicentra uniflora* Kellogg STEERS HEAD**

Uncommon, rocky slopes along snow melt line. Mar-Jul. Beckwourth Sattley Road, T22N R14E S34.

ESCHSCHOLZIA Poppy***Eschscholzia californica* Cham. CALIFORNIA POPPY**

Common, roadsides. May-Jul. Vinton, T23N R16E S28; Sattley, T21N R14E S33; Dyson Lane, T22N R15E S16; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

PHRYMACEAE Monkeyflower

Currently *The Jepson Manual, Second Edition* is maintaining *Mimulus* as the only genus in the Phrymaceae family. Names proposed Barker et al. (2012) in segregate genera are included here as synonyms.

MIMULUS***Mimulus breviflorus*** Piper SHORT FLOWERED MONKEYFLOWER

Limited, moist places. May-Jun. Calpine, T21N R14E S19. [*Erythranthe breviflora* (Piper) Nesom]

Mimulus breweri (E. Greene) Cov. BREWER'S MONKEYFLOWER

Damp sandy places and seepage areas. Jun-Sep. Calpine, T21N R14E S19. [*Erythranthe breweri* (Greene) Nesom & Fraga]

Mimulus floribundus Lindl. MANY FLOWERED MONKEYFLOWER

Moist meadows and seep areas. Apr-Aug. To be looked for. Found less than 1 mi from project area (McNair Meadows, T21N R14E S14). [*Erythranthe floribunda* (Douglas ex Lindl.) Nesom]

Mimulus guttatus DC. COMMON MONKEYFLOWER

Common, open meadows, stream banks. Apr-Oct. Sattley, T20N R14E S10; Yuba Pass, T20N R13E S11; Marble Lane, T22N R15E S18; Ramelli Ranch, T23N R14E S26; Antelope Valley, T21N R15E S28; Sugarloaf, T23N R15E S17. [*Erythranthe guttata* (Fisch. ex DC.) Nesom]

Mimulus leptaleus A. Gray LEAST FLOWERED MONKEYFLOWER

Uncommon, normally above 6800', open gravelly or sandy places. Jun-Aug. To be looked for in the Yuba Pass area as this taxon has been found at Haskell Peak. [*Diplacus leptaleus* (A. Gray) Nesom]

Mimulus lewisii Pursh LEWIS'S MONKEYFLOWER

Local, usually above 5000', stream sides, seeps and springs. Jul-Sep. Calpine, T21N R14E S18. [*Erythranthe lewisii* (Pursh.) Nesom & Fraga]

Mimulus moschatus Lindl. MUSK MONKEYFLOWER

Common, seeps and springs. Jun-Oct. Sattley, T21N R14E S4; Yuba Pass, T20N R13E S11; Sugarloaf, T23N R15E S17. [*Erythranthe moschata* (Lindl.) Nesom]

Mimulus nanus Hook. & Arn. var. *mephiticus* (Greene) D.M. Thompson SKUNKY MONKEYFLOWER

Common, open areas of sagebrush, sandy and rocky areas. Jun-Aug. Sattley, T20N R14E S9; Beckwourth Sattley Road (N of Sattley), T21N R14E S28; Frenchman Lake Road, T23N R16E S25; Sugarloaf, T23N R15E S17. [*Diplacus mephiticus* (Greene) Nesom]

Mimulus pilosus (Benth.) S. Wats. DOWNY MONKEYFLOWER

Drying creek beds. May-Oct. To be looked for as this taxon has been collected at Webber Lake (UC335557, from Lemmon Herbarium). [*Mimetanthe pilosa* (Benth.) Greene]

Mimulus primuloides Benth. var. *primuloides* PRIMROSE MONKEYFLOWER

Common, meadows, springs and seeps. Jun-Aug. Sattley T20N R14E S10; Yuba Pass, T20N R13E S11. [*Erythranthe primuloides* (Benth.) Nesom & Fraga]

Mimulus pulsiferae A. Gray CANDELABRUM MONKEYFLOWER

Moist places along streams. May-Jun. Calpine, T21N R14E S19; Ramelli Ranch, T23N R14E S27. [*Erythranthe pulsiferae* (A. Gray) Nesom]

***Mimulus pygmaeus* A.L. Grant PIGMY MONKEYFLOWER**

Rare, vernal moist gravelly flats and swales. CRPR 4. May-Jun. One record for Sierra Valley (Clifton, #42734); Hwy 49 (S of Vinton), T22N R16E S9. [*Diplacus pygmaeus* (A.L. Grant) Nesom]

***Mimulus suksdorfii* A.Gray SUKSDORF'S MONKEYFLOWER**

Fairly common, moist sandy slopes. May-Aug. Hwy 70 (The Buttes), T23N R15E S35; Beckwourth Pass, T22N R17E S6. [*Erythranthe suksdorfii* (A.Gray) Fraga]

***Mimulus tilingii* Regel LARGE MOUNTAIN MONKEYFLOWER**

Mountain streams and seeps. Jul-Sep. To be looked for in the higher elevations. [*Erythranthe tilingii* (Regel) Nesom]

PLANTAGINACEAE Plantain Family**CALLITRICHE*****Callitriche fassettii* Schotsman FASSETT'S WATER-STARWORT**

Uncommon, submerged in streams and ponds. Apr-Jul. To be looked for as this taxon has been collected just to the northwest of the Sierra Valley region.

***Callitriche hetrophylla* Pursh var. *bolanderi* (Hegelm.) Fassett VARIABLE-LEAF WATER-STARWORT**

Common, quite water and ponds. May-Aug. Marble Lane, T22N R15E S18.

***Callitriche palustris* L. VERNAL WATER-STARWORT**

Fairly common, shallow water or on mud. May-Aug. Sattley, T21N R14E S33; Sugarloaf, T23N R15E S17.

COLLINSIA Blue-Eyed Mary***Collinsia parviflora* Lindl. SMALL FLOWERED BLUE-EYED MARY**

Common, moist slopes and flats. Apr-Jul. Calpine, T21N R14E S16; Sierraville, T20N R14E S24; Antelope Valley, T21N R15E S28; Hwy 70 (The Buttes), T23N R15E S18; Sugarloaf, T23N R15E S17.

***Collinsia torreyi* A. Gray var. *torreyi* TORREY'S BLUE EYED MARY**

Fairly common. Moist slopes and flats. May-Aug. Yuba Pass, T20N R13E S11.

GRATIOLA Hedge Hyssop***Gratiola ebracteata* DC. BRACKETLESS HEDGE HYSSOP**

Fairly common, vernal areas and ditches. May-Sep. Marble Lane, T22N R15E S18.

***Gratiola neglecta* Torr. COMMON HEDGE HYSSOP**

Wet or muddy areas and vernal ponds. Jun-Sep. Calpine, T21N R14E S16.

HIPPURIS***Hippuris vulgaris* L. MARES-TAIL**

Common, sluggish water of marshlands. Jul-Sep. Marble Lane, T22N R14E S13.

LINARIA Toadflax

Linaria dalmatica (L.) Mill subsp. *dalmatica* DALMATIAN TOADFLAX
Invasive weed, roadsides and fields. Jun-Aug. Loyalton, T21N R15E S13.

Linaria vulgaris Hill BUTTER & EGGS
Invasive weed, roadsides. Jun-Jul. Newman Point, T21N R14E S25; Calpine, T21N R14E S20.

PENSTEMON Beardtongue

Penstemon anguineus Eastw. SISKIYOU PENSTEMON
Open conifer forest. Jun-Aug. One record for Sierra Valley (CHSC107490, D. Isle, J. Harvey, #1932, Jun 20, 1998). Newman Point, T21N R14E S25.

Penstemon azureus Benth. var. *azureus* AZURE PENSTEMON
Moist open forest. May-Aug. To be looked for in the Yuba Pass and Coburn Lake areas.

Penstemon deustus Lindl. var. *deustus* HOT ROCK PENSTEMON
Common, open rocky slopes. May-Jul. Sierraville, T20 R15E S19.

Penstemon deustus Lindl. var. *pedicellatus* M.E. Jones NARROW LEAVED HOT ROCK PENSTEMON
Open rocky slopes. May-Jul. Sierraville, T20N R15E S30; Antelope Valley, T21N R15E S27.

Penstemon deustus Lindl. var. *suffrutescens* L.F. Hend. WOODY HOT ROCK PENSTEMON
Frequent, open rocky areas. May-Jul. Mapes Canyon T23N R14E S11; Sierraville, T20N R14E S24; Antelope Valley, T21N R15E S28; Sugarloaf, T23N R15E S17.

Penstemon gracilentus A. Gray SLENDER PENSTEMON
Common, open slopes and flats. Jun-Oct. Yuba Pass, T20N R13E S11; Sattley, T20N R14E S4.

Penstemon hetrodoxus A. Gray SIERRA PENSTEMON
Uncommon, above 7000', meadows and rocky slopes. Jul-Aug. Yuba Pass, T20N R13E S11.

Penstemon laetus A. Gray GAY PENSTEMON
Conifer forests. May-Jul. One collection for the Sierra Valley region (CAS1076201, R.C. Wenk, #396, Oct. 8, 2005). Yuba Pass, T20N R13E S11.

Penstemon newberryi A. Gray var. *newberryi* MOUNTAIN PRIDE
Common, cliffs and rocky slopes. Apr-Sep. Sattley, T20N R14E S4.

Penstemon procerus Graham var. *formosus* (A. Nels.) Cronq. SMALL FLOWERED PENSTEMON
Limited. Rocky slopes. Jul-Aug. To be looked for as this taxon is found just to the N of the Sierra Valley region at Dixie Peak (T24N R15E S15).

Penstemon rydbergii A. Nels. var. *oreocharis* (Greene) N.H. Holmgren MEADOW PENSTEMON
Common, wet to dry meadows. May-Aug. Calpine, T21N R14E S16; Sierraville, T20N R14E S10; Dyson Lane (S of Hwy 70), T22N R15E S6.

Penstemon speciosus Lindl. SHOWY PENSTEMON
Common, dry slopes and sandy flats. May-Jul. Calpine, T21N R14E S17; Antelope Valley, T21N R15E S28; Beckwourth, T23N R14E S14; Sugarloaf, T23N R15E S17.

PLANTAGO Plantain*Plantago lanceolata* L. ENGLISH PLANTAIN

Common, disturbed areas and roadsides. Apr-Aug. Calpine, T21N R14E S16; Sierraville, T20N R14E S14; Sugarloaf, T23N R15E S17.

Plantago major L. COMMON PLANTAIN

Common, waste places. May-Sep. Ramelli Ranch, T23N R14E S27.

VERONICA Speedwell, Brooklime*Veronica americana* Benth. AMERICAN BROOKLIME

Fairly common, streams and ponds. Apr-Aug. Knuthson Meadows, T21N R14E S5; Antelope Valley, T21N R15E S21; Mapes canyon, T23N R14E S11; Sugarloaf, T23N R15E S17.

Veronica anagallis-aquatica L. GREATER WATER SPEEDWELL

In ponds and along rivers. Introduced from Europe. May-Nov. Sierraville, T20 R14E S24.

Veronica peregrina L. subsp. *xalapensis* (Kunth) Pennell PURSLANE SPEEDWELL

Fairly common. Lake margins and vernal moist areas. Apr-Aug. Marble Lane, T22N R15E S18; Antelope Valley, T21N R15E S21 & S28; Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

Veronica scutellata L. MARSH SPEEDWELL

Fairly frequent, boggy meadows and slow moving water. May-Aug. Ramelli Ranch, T23N R14E S27.

Veronica serpyllifolia L. subsp. *humifusa* (Dicks.) Syme THYME LEAVED SPEEDWELL

Common, moist areas and stream beds. May-Jul. Loyalton, T21N R16E S30; Sattley, T20N R14E S9.

POLEMONIACEAE Phlox Family**ALICIELLIA***Aliciella leptomeria* (A. Gray) J.M. Porter SAND ALICIELLIA

Uncommon, small sand dunes. Apr-Jun. Frenchman Lake Road, T23N R16E S25 [= *Gilia l.*].

ALLOPHYLLUM*Allophyllum divaricatum* (Nutt.) A.D. Grant & V.E. Grant PINK ALLOPHYLLUM

Scattered, open sites and burns. May-Jul. One record for Sierra Valley (POM181568, J.G. Lemmon, s.n., Jul 1883).

Allophyllum gilioides (Benth.) A.D. Grant & V.E. Grant subsp. *gilioides* DENSE FALSE GILIA

Open sagebrush slopes. Jun-Aug. Calpine, T21N R14E S17; Sierraville, T20N R15E S16.

Allophyllum gilioides (Benth.) A.D. Grant & V.E. Grant subsp. *violaceum* (A. Heller) A.G. Day VIOLET-FLOWERED ALLOPHYLLUM

Scattered, open sandy and gravelly places. May-Jun. Calpine, T21N R14E S27; Marble Lane, T22N R14E S13; Antelope Valley, T21N R15E S28.

***Allophyllum integrifolium* (Brand) A.D. Grand & V.E. Grant WHITE ALLOPHYLLUM**

Open moist rocky areas. Jun-Aug. To be looked for as this taxon has been collected just to the W of Yuba Pass.

COLLOMIA***Collomia grandiflora* Lindl. LARGE-FLOWERED COLLOMIA**

Common, dry open areas. Apr-Jul. Calpine, R21N R14E S16; Beckwourth Sattley Road (S of Beckwourth), T22N R14E S2; Sugarloaf, T23N R15E S17.

***Collomia linearis* Nutt. NARROW-LEAVED COLLOMIA**

Common, dry open areas. May-Aug. Beckwourth Sattley Road, T22N R14E S11; Sierraville, T20N R14E S13; Sugarloaf, T23N R15E S17.

***Collomia tinctoria* Kellogg STAINING COLLOMIA**

Open places and disturbed areas. Jun-Aug. Ramelli Ranch, T23N R14E S27.

ERIASTRUM***Eriastrum signatum* D. Gowen WELL MARKED ERIASTRUM**

Sandy soils and sagebrush scrub. May-Aug. Newman Point, T21N R14E S25; Vinton, T23N R16E S35.

***Eriastrum sparsiflorum* (Eastw.) H. Mason FEW-FLOWERED ERIASTRUM**

Scattered, dry rocky or sandy slopes. CRPR 4. Jun-Jul. Antelope Valley, T21N R15E S27; Hwy 49, T22N R16E S8; Newman Point, T21N R14E S25; Beckwourth, T23N R14E S26; Vinton, T23N R16E S35; Beckwourth Pass, T22N R17E S6; Sugarloaf, T23N R15E S17.

***Eriastrum wilcoxii* (A. Nels.) H. Mason WILCOX'S ERIASTRUM**

Uncommon, dry sandy slopes and flats. Jun-Jul. Trosi Canyon, T23N R16E S18.

GILIA***Gilia brecciarum* M.E. Jones subsp. *brecciarum* LEAFY GILIA**

Common, sandy areas in sagebrush. May-Jun. Vinton, T22N R16E S34; Ramelli Ranch, T23N R14E S27; Beckwourth Pass, T22N R17E S6; Loyalton, T21N R16E S15.

***Gilia inconspicua* (Sm.) Sweet SHY GILIA**

Occasional, dry sandy flats. May-Jun. Ramelli Ranch, T23N R14E S27; Frenchman Lake Road, T23N R16E S25; Beckwourth Pass, T22N R17E S6.

***Gilia modocensis* Eastw. MODOC GILIA**

Occasional, open rocky areas. May-Jun. Beckwourth Pass, T22N R17E S6; Vinton, T23N R16E S34.

***Gilia sinuata* Benth. SINUATE GILIA**

Fairly common, open sandy areas. Apr-Jun. Frenchman Lake Road, T23N R17E S19.

IPOMOPSIS***Ipomopsis aggregata* (Pursh) V.E. Grant SCARLET GILIA**

Locally frequent, open sandy and rocky slopes. Jun-Sep. Ramelli Ranch, T23N R14E S27; Sierraville, T20N R14E S13; Sugarloaf, T23N R15E S16.

Ipomopsis congesta (Hook.) V.E. Grant subsp. *montana* (A. Nels. & P.B. Kenn.) V.E. Grant BALL HEADED GILIA

Uncommon. Dry rocky ridges and slopes. Jun-Aug. Lincoln Ridge, T20N R13E S23.

LEPTOSIPHON

Leptosiphon ciliatus (Benth.) Jeps. WISKER BRUSH

Common, dry flats and slopes. Apr-Jul. Calpine, T21N R14E S16; Mapes Canyon, T23N R14E S11; Sattley, T20N R14E S9; Yuba Pass, T20N R13E S11; Sugarloaf, T23N R15E S17 [= *Linanthus c.*].

Leptosiphon harknessii (Curran) J.M. Porter & L.A. Johnson HARKNESS' FLAXFLOWER

Uncommon. Open gravelly flats. Jun-Aug. Calpine, T21N R14E S20 [= *Linanthus h.*].

LINANTHUS

Linanthus pungens (Torr.) J.M. Porter & L.A. Johnson GRANITE PRICKLY PHLOX

Common, sandy flats, rocky slopes and ridges. May-Aug. Antelope Valley, T21N R15E S16; Ramelli Ranch, T23N R14E S27; Lincoln Ridge, T20N R13E S23 [= *Leptodactylon p.*].

MICROSTERIS

Microsteris gracilis (Hook.) Greene SLENDER PHLOX

Common, drying vernal areas and open grassy areas. Mar-Aug. Beckwourth Sattley Road, T21N R14E S3; Sattley, T21N R14E S33; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

NAVARRETIA

Navarretia breweri (A. Gray) Greene BREWER'S NAVARRETIA

Fairly common, vernal moist slopes. May-Aug. Newman Point, T21N R14E S25; Antelope Valley, T21N R15E S28.

Navarretia capillaris (Kellogg) Kuntze MINIATURE GILIA

Common, sandy flats and slopes. Jun-Aug. Calpine, T21N R14E S16.

Navarretia divaricata (A. Gray) Greene subsp. *divaricata* MOUNTAIN NAVARRETIA

Moist slopes and flats. Jun-Aug. Sattley, T21N R14E S30.

Navarretia divaricata (A. Gray) Greene subsp. *vividior* (Jeps. & V.L. Bailey) H. Mason DIVARICATE NAVARRETIA

Clay or volcanic soils. May-Aug. One record possibly from the Sierra Valley region (UC335366, Unknown, 1873; from the Lemmon Herbarium).

Navarretia intertexta (Benth.) Hook. NEEDLE-LEAVED NAVARRETIA

Common. Vernal pools, flats and stream beds. Jun-Aug. Beckwourth Sattley Road (N of Sattley), T21N R14E S22 [= *Navarretia intertexta* subsp. *intertexta*].

Navarretia leptalea (A. Gray) L.A. Johnson subsp. *leptalea* BRIDGES' NAVARRETIA

Uncommon. Sagebrush flats. Jun-Aug. Beckwourth Sattley Road (N of Sattley), T21N R14E S21; Beckwourth; T23N R14E S26 [= *Gilia l.* subsp. *l.*].

Navarretia leucocephala Benth. subsp. *minima* (Nutt.) A.G. Day LEAST NAVARRETIA
Locally frequent, vernal flats. Jun-Aug. Calpine, T21N R14E S16; Dyson Lane, T22N R16E S18; Knuthson Meadows, T21N R14E S5; Sugarloaf, T23N R15E S17.

Navarretia mitacarpa Greene PASO ROBLES NAVARRETIA
Open grassy areas. May-Jul. One record listed for Plumas County (POM181565, J. G. Lemmon, s.n., Plumas, Sierra Nevada; Northern Sierra Nevada region, Sierra Valley) [= *N. jaredii*]. This taxa way out of range and was probably collected in the Santa Barbara area.

Navarretia propinqua Suksd. GREAT BASIN NAVARRETIA
Common, vernal moist sites and drying stream beds. Jun-Oct. Calpine, T21N R14E S29; Marble Lane, T22N R14E S13 [= *Navarretia intertexta* subsp. *propinqua*].

PHLOX

Phlox austromontana Coville MOUNTAIN PHLOX
Uncommon, dry rocky slopes. May-Jun. Sugarloaf, T23N R15E S17.

Phlox diffusa Benth. SPREADING PHLOX
Frequent, dry flats and slopes. Apr-Sep. Hwy 49 (Correco Canyon), T22N R16E S27; Frenchman Lake Road, T23N R16E S25; Sierraville, T20 R15E S19.

Phlox hoodii Richardson subsp. *canescens* (Torr. & A. Gray) Wherry CANESCENT PHLOX
Uncommon, openings in sagebrush. May-Jul. Beckwourth Sattley Road, T22N R14E S11; Newman Point, T21N R14E S25.

Phlox speciosa Pursh SHOWY PHLOX
Fairly frequent, sandy or rocky slopes. Apr-Jul. Ramelli Ranch, T23N R14E S27; Beckwourth Peak (E of), T22N R14E S10.

Phlox stansburyi (Torr.) A. Heller STANSBURY'S PHLOX
Common, dry flats or slopes, often in sagebrush. May-Jul. Loyalton, T21N R16E S8; Beckwourth Pass, T22N R17E S6.

POLEMONIUM

Polemonium californicum Eastw. LOW POLEMONIUM
Moist shaded areas above 6000 ft. Jun-Aug. Yuba Pass, T20N R13E S11.

Polemonium micranthum Benth. SMALL-FLOWERED POLEMONELLA
Common, dry openings in sagebrush. Apr-May. Loyalton, T21N R15E S12; Ramelli Ranch, T23N R14E S27; Newman Point, T21N R14E S25.

Polemonium occidentale Greene WESTERN POLEMONIUM
Infrequent, wet meadows and streams. Jun-Aug. Sattley, T20N R14E S9 & S10 [= *Polemonium occidentale* subsp. *occidentale*].

POLYGONACEAE Buckwheat Family

ACONOGENON

Aconogonon phytolaccifolium (Small) Rydb. ALPINE KNOTWEED

Fairly common above 5000 ft., moist rocky areas. Jun-Sep. Sattley, T20N R14E S9 [= *Polygonum p.*].

BISTORTA***Bistorta bistortoides*** (Pursh) Small BISTORT

Common, open wet meadows. May-Jul. Sattley, T20N R14E S9 [= *Polygonum b.*].

CHORIZANTHE Spineflower***Chorizanthe watsonii*** Torr. & A. Gray WATSON'S SPINE-FLOWER

Limited, dry sandy or gravelly slopes. Apr-May. Beckwourth Pass, T22N R17E S7.

ERIOGONUM Buckwheat***Eriogonum baileyi*** S. Wats. var. *baileyi* BAILEY'S WILD BUCKWHEAT

Dry sandy slopes and flats. Jun-Jul. Hwy 49 (S of Vinton), T22N R16E S4; Sugarloaf, T23N R15E S17.

Eriogonum baileyi S. Wats. var. *praebens* (Gand.) Reveal BAILEY'S HAIRY WILD BUCKWHEAT

Dry sandy slopes and flats. CRPR 4. Jun-Jul. Hwy 49 (S of Vinton), T22N R16E S17; Frenchman Lake Road, T23N R16E S25; Vinton, T23N R16E S34.

Eriogonum caespitosum Nutt. MATTED WILD BUCKWHEAT

To be looked for especially in dry rocky areas. Apr-Jul. This taxon has been collected at both Webber Peak and Dog Valley in Sierra County and to the northwest of Portola, Plumas County.

Eriogonum douglasii Benth. var. *meridionale* Reveal DOUGLAS'S WILD BUCKWHEAT

Volcanic scalds and rocky flats. May-Jul. Ramelli Ranch, T23N R14E S27; Marble Lane, T22N R14E S13; Calpine, T21N R14E S16; Beckwourth Sattley Road (N of Sattley), T21N R14E S22; Newman Point, T21N R14E S25.

Eriogonum elatum Benth. var. *elatum* TALL WILD BUCKWHEAT

Frequent, dry rocky slopes. Jun-Sep. Ramelli Ranch, T23N R14E S27; Beckwourth Pass, T22N R17E S6.

Eriogonum elatum Benth. var. *villosum* Jeps. TALL HAIRY WILD BUCKWHEAT

Locally common, dry rocky slopes and flats. Jun-Oct. Frenchman Lake Road, T23N R16E S3; Calpine, T21N R14E S20; Snow Lake (N of Chilcoot), T23N R17E S7.

Eriogonum gracile Benth. var. *gracile* SLENDER WOOLLY WILD BUCKWHEAT

Dry sandy to gravelly slopes and flats. Jun-Sep. Hwy 49 (S of Vinton), T22N R16E S4 [Glenn Clifton, Plumas County and Plumas National Forest Flora, 1999 draft & 2005 draft].

Eriogonum lobbii Torr. & A. Gray LOBB'S WILD BUCKWHEAT

Dry rocky slopes and open ridges. May-Jul. To be looked for, found just to the N of the Sierra Valley region.

Eriogonum luteolum Greene var. *pedunculatum* (S. Stokes) Reveal GOLDEN CARPET WILD BUCKWHEAT

Two historical records for the Loyalton area (CAS131670, Alice Eastwood, 7794, Jun 29, 1915 & CAS131717, Alice Eastwood 7870, Jun 29, 1918).

Eriogonum marifolium Torr. & A. Gray var. *marifolium* MARUM-LEAF WILD BUCKWHEAT

Sandy and rocky soils. Jun-Aug. One historical record for Sierra Valley (CAS131196, Anna Head, s.n., Jun 21, 1921, Campbells Hot Springs, Feather River region). Sierraville, T20N R15E S19

Eriogonum microthecum Nutt. var. *ambiguum* (M.E. Jones) Reveal YELLOW-FLOWERED GREAT BASIN WILD BUCKWHEAT

Uncommon, rocky sagebrush slopes. Jul-Sep. Sugarloaf, T23N R15E S17.

Eriogonum microthecum Nutt. var. *laxiflorum* Hook. LAX-FLOWERED GREAT BASIN WILD BUCKWHEAT

Rocky slopes. Jul-Sep. To be looked for on the E side of Sierra Valley.

Eriogonum nudum Benth. var. *deductum* (Greene) Jeps. FEW-FLOWERED NAKED WILD BUCKWHEAT

Common, dry sandy to rocky slopes. Jun-Sep. Mapes Canyon, T23N R14E S11.

Eriogonum nudum Benth. var. *nudum* NAKED WILD BUCKWHEAT

Common, dry sandy to rocky slopes. Jun-Sep. Calpine, T21N R14E S17.

Eriogonum nudum Benth. var. *oblongifolium* S. Wats. HAIRY-STEMMED NAKED WILD BUCKWHEAT

Dry flats and slopes. Jun-Oct. Coburn Lake, T20N R14E S20 (RENO7987, W & N Harnach, #932, was annotated to *E. n.* var. *nanafolium* by J.L. Reveal).

Eriogonum nudum Benth. var. *pubiflorum* Benth. HAIRY-FLOWERED NAKED WILD BUCKWHEAT

Dry rocky slopes and flats. Jun-Sep. Frenchman Lake Road, T23N R16E S10.

Eriogonum ovalifolium Nutt. var. *purpureum* (Nutt.) Durand PURPLISH-FLOWERED OVAL-LEAVED BUCKWHEAT

Dry grassy valley floor. Jun-Sep. Dyson Lane, T22N R15E S6.

Eriogonum spergulinum A. Gray var. *reddingianum* (M.E. Jones) J.T. Howell SPURRY WILD BUCKWHEAT

Very common in logged areas or other disturbed areas. Jun-Sep. Sattley, T20N R14E S9.

Eriogonum strictum Benth. var. *anserinum* (Greene) S. Stokes YELLOW-FLOWERED STRICT WILD BUCKWHEAT

Fairly common, rocky slopes, flats and ridges, often in the sagebrush. Jul-Sep. Mapes Canyon, T23N R14E S11; Calpine, T21N R14E S16; Newman Point, T21N R14E S25; Antelope Valley, T21N R15E S28.

Eriogonum strictum Benth. var. *proliferum* (Torr. & A. Gray) C.L. Hitchc. WIDELY-SPREADING WILD BUCKWHEAT

Infrequent, open rocky ridges and slopes. Jul-Sep. Mapes Canyon, T23N R14E S11; Sierraville, T20N R14E S13.

Eriogonum umbellatum Torr. var. *modocense* (Greene) S. Stokes MODOC SULPHUR FLOWER
Uncommon, sagebrush flats. Jun-Sep. Beckwourth Sattley Road, T22N R14E S11 (Clifton #26322)
[*E. u.* var. *polyanthum* misappl.].

Eriogonum umbellatum Torr. var. *nevadense* Gand. NEVADA SULPHUR-FLOWERED WILD
BUCKWHEAT
Dry sandy to dry rocky slopes and flats. Jun-Sep. Antelope Valley, T21N R15E S16; Newman Point,
T21N R14E S25; Ramelli Ranch, T23N R14E S27.

Eriogonum umbellatum Torr. var. *polyanthum* (Benth.) M.E. Jones MANY-FLOWERED
SULPHUR-FLOWERED WILD BUCKWHEAT
Frequent, dry rocky or sandy slopes and flats. Jun-Sep. Beckwourth Sattley Road (S of
Beckwourth), T22N R14E S11; Ramelli Ranch, T23N R14E S27.

Eriogonum vimineum Benth. WICKER WILD BUCKWHEAT
Fairly common, sandy flats. May-Oct. Ramelli Ranch, T23N R14E S27; Beckwourth, T23N R14E
S26; Hwy 70 (E of The Buttes), T23N R15E S35; Vinton, T23N R16E S28; Co. Road A-24 (N of
Loyalton), T22N R15E S25.

PERSICARIA Smartweed

Persicaria amphibia (L.) Gray WATER SMARTWEED
Common, vernal ponds. Jun-Aug. Calpine, T21N R14E S16; Little Last Chance Lake, T22N R15E
S9; Hwy 49 (W of Sierraville), T20N R14E S11; Ramelli Ranch, T23N R14E S26.

POLYGONUM Knotweed

Polygonum argyrocoleon Kunze PERSIAN KNOTWEED
Uncommon. Grasslands and saline areas. Jun-Aug. Knuthson Meadows, T21N R14E S5.

Polygonum aviculare L. var. *aviculare* COMMON KNOTWEED
Scattered, disturbed soils. Jun-Sep. Beckwourth Sattley Road (just S of the Sierra-Plumas Co. line),
T21N R14E S3.

Polygonum aviculare L. subsp. *depressum* (Meisn.) Arcang. COMMON KNOTWEED
Scattered. Disturbed soils. Jun-Sep. Ramelli Ranch, T23N R24E S27; Beckwourth Sattley Road (S
of Beckwourth), T22N R14E S11.

Polygonum douglasii Greene DOUGLAS' KNOTWEED
Sandy soils in sagebrush. Jun-Jul. Ramelli Ranch, T23N R14E S27; Yuba Pass, T20N R13E S11;
Sugarloaf, T23N R15E S17; Calpine, T21N R14E S16.

Polygonum majus (Meisn.) Piper SHOWY KNOTWEED
Sandy soils in sagebrush. Jun-Jul. Ramelli Ranch, T23N R14E S27 [= *P. douglasii* subsp. *m.*].

Polygonum parryi Greene PARRY'S KNOTWEED
Vernally moist areas. May-Jul. Calpine, T21N R14E S20; Beckwourth Sattley Road (N of Sattley),
T21N R14E S21.

Polygonum polygaloides Meisn. subsp. *confertiflorum* (Piper) J.C. Hickman DENSE-FLOWERED
KNOTWEED

Vernally moist pools and swales. Jun-Jul. Ramelli Ranch, T23N R14E S27; Heriot Lane, T22N R15E S21; Calpine, T21N R14E S16.

***Polygonum polygaloides* Meisn. subsp. *esotericum* (L.C. Wheeler) J.C. Hickman MODOC COUNTY KNOTWEED**

Uncommon, vernal moist areas. CRPR 1B. Jun-Jul. Beckwourth Sattley Road, T22N R14E S11; Marble Lane, T22N R14E S13; Antelope Valley, T21N R15E S28.

***Polygonum polygaloides* Meisn. subsp. *kelloggi* (Greene) J.C. Hickman KELLOGG'S KNOTWEED**

Vernal areas and roadside ditches. Jun-Sep. Marble Lane, T22N R15E S18; Calpine, T21N R14E S20.

***Polygonum shastense* W.H. Brewer SHASTA KNOTWEED**

Rocky, gravelly slopes. Jul-Sep. To be looked for as this taxon has been collected just W of Yuba Pass.

***Polygonum spergulariiforme* Small FALL KNOTWEED, SPURREY KNOTWEED**

Dry slopes. Jun-Sep. Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E 20; Sierraville, T20N R15E S20; Newman Point, T21N R14E S25 [= *P. douglasii* subsp. *s.*].

RUMEX Dock

***Rumex acetosella* L. SHEEP SORREL**

Common, disturbed areas. Apr-Aug. Ramelli Ranch, T23N R14E S27; Coburn Lake, T20N R14E S20; Dyson Lane (S of Hwy 70), T23N R15E S31; Sugarloaf, T23N R15E S17.

***Rumex californicus* Rech. f. CALIFORNIA DOCK**

Moist areas. May-Sep. To be looked for in the Yuba Pass areas as this taxon has been collected to the west [= *R. salicifolius* var. *denticulatus*].

***Rumex crispus* L. CURLEY-LEAVED DOCK**

Common, disturbed areas. May-Oct. Marble Lane, T22N R15E S18; Loyalton, T21N R15E S13; Sugarloaf, T23N R15E S17.

***Rumex fueginus* Phil. GOLDEN DOCK**

Uncommon, margins of ponds and slow streams. Jun-Sep. Heriot Lane, T22N R15E S28.

***Rumex lacustris* Greene WETLAND WILLOW DOCK**

Infrequent, vernal ponds, marshes and sometimes alkali sinks. Jul-Sep. Dyson Lane (S of Hwy 70), T22N R15E S17; Heriot Lane, T22N R15E S21.

***Rumex paucifolius* Nutt. ALPINE SHEEP SORREL**

Locally common, drying meadows and sagebrush scrub. May-Sep. Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E S16; Dyson Lane (S of Hwy 70), T23N R15E S31.

***Rumex transitorius* Rech. f. TRANSITORY WILLOW DOCK**

Infrequent. May-Sep. To be looked for as this taxon has been collected at Portola [= *Rumex salicifolius* var. *t.*].

Rumex triangulivalvis (Danser) Rech. f. TRIANGULAR FRUITED DOCK

Scattered, moist areas. Jun-Sep. Beckwourth Sattley Road, T21N R14E S9; Calpine, T21N R14E S16 [= *R. salicifolius* var. *t.*].

PRIMULACEAE Primrose Family**PRIMULA** Primrose***Primula hendersonii*** (A. Gray) Mast & Reveal HENDERSON'S SHOOTING STAR

Locally common, shaded meadows. Apr-May. Calpine, T21N R14E S29; Coburn Lake, T20N R14E S29; Sattley, T21N R14E S32 [= *Dodecatheon hendersonii*].

Primula jeffreyi (Van Houtte) Mast & Reveal JEFFERY'S SHOOTING STAR

Locally common, wet meadows and stream margins. Jun-Aug. Yuba Pass, T20N R13E S11 [= *Dodecatheon jeffreyi*].

Primula suffrutescens A. Gray SIERRA PRIMROSE

Rocky slopes and cliffs in areas of late melting snow. Jul-Aug. To be looked for in the Lincoln Ridge and Coburn Lake areas.

Primula tetrandra (Greene) Mast & Reveal ALPINE SHOOTING STAR

Locally frequent, wet meadows. May-Aug. Sattley, T20 R14E S9; Yuba Pass, T20N R13E S11 [= *Dodecatheon alpinum*].

RANUNCULACEAE Buttercup Family**ACONITUM** Monkshood***Aconitum columbianum*** Nutt. subsp. *columbianum* COLUMBIA MONKSHOOD

Fairly common in thickets along streams and meadows. Jul-Aug. Sattley, T21N R14E S9.

ACTAEA Baneberry***Actaea rubra*** (Aiton) Willd. WESTERN BANE BERRY

Moist shaded areas. May-Jun. Sattley, T21N R14E S9.

AQUILEGIA Columbine***Aquilegia formosa*** DC. RED COLUMBINE

Fairly common in moist areas. Jun-Sep. Sattley, T20N R14E S9; Yuba Pass, T20N R13E S11; Sierraville, T20N R15E S17; Sugarloaf, T23N R15E S17.

CALTHA Marsh Marigold***Caltha leptosepala*** DC. HOWELL'S MARSH MARIGOLD

Fairly common, wet meadows. May-Jul. Yuba Pass, T20N R13E S11.

DELPHINIUM Larkspur***Delphinium andersonii*** A. Gray ANDERSON'S LARKSPUR

Common in sagebrush scrub. Apr-Jun. Calpine, T21N R14E S16; Beckwourth Sattley Road, T21N R14E S3; Antelope Valley, T21N R15E S28; Ramelli Ranch, T23N R14E S27; Chilcoot, T23N R16E S26.

Delphinium depauperatum Nutt. DWARF LARKSPUR
Open moist woods. May-Jul. Antelope Valley, T21N R15E S16.

Delphinium glaucum S. Wats. GLAUCOUS LARKSPUR
Willows and wet meadow margins of higher elevations. Jul-Sep. To be looked for in the Yuba Pass area as this taxon has been found just to the west at Haskell Peak.

Delphinium gracilentum Greene FOREST LARKSPUR
Moist, partially shaded slopes. May-Jul. Calpine, T21N R14E S17; Sattley, T20N R14E S4.

Delphinium nudicaule Torr. & A. Gray RED LARKSPUR
Open woods. Mar-Jun. Ramelli Ranch, T23N R14E S27; Knuthson Meadows, T21N R14E S6; Calpine, T21N R14E S17.

Delphinium nuttallianum Pritz. NUTTALL'S LARKSPUR
Fairly common. Open woods and brushy slopes. May-Jul. Coburn Lake, T20N R14E S29; Sattley, T21N R14E S9; Antelope Valley, T21N R15E S28; Beckwourth Sattley Road (NE of Calpine), T21N R14E S9; Ramelli Ranch, T23N R14E S27.

Delphinium polycladon Eastw. HIGH MOUNTAIN LARKSPUR
Stream banks. Jul-Sep. One collection for the Sierra Valley (SJSU15163, N. Hopkins, #1722, 5-26-1993, Dyson lane). NE corner of Sierra Valley.

MYOSURUS Mouse Tail

Myosurus apetalus Gay MOUSE TAIL
Fairly common, vernal areas and ditches. Apr-Jul. Marble Lane, T22N R15E S18; Dyson Lane, T22N R15E S29.

Myosurus minimus L. COMMON MOUSE TAIL
Fairly common, roadside ditches and vernal areas. Apr-Jul. Hwy 49 (W of Loyalton), T21N R15E S10; Calpine, T21N R14E S16.

RANUNCULUS Buttercup

Ranunculus alismifolius Benth. var. *alismifolius* WATER PLANTAIN BUTTERCUP
Common, wet meadows and bogs. Mar-Jun. Calpine, T21N R14E S16; Knutson Meadows, T21N R14E S5.

Ranunculus alismifolius Benth. var. *lemmonii* (A. Gray) L.D. Benson SMALL WATER PLANTAIN BUTTERCUP
Damp meadows. May-Aug. One record for the Sierra Valley region (RENO15352, Mrs. C. G. Gulling, #1202, no date, Sierra Valley).

Ranunculus andersonii A. Gray ANDERSON'S BUTTERCUP
Uncommon, rocky volcanic areas. Mar-May. Beckwourth Sattley Road, T22N R14E S23; Sugarloaf, T23N R15E S17.

Ranunculus aquatilis L. var. *diffusus* With. WATER BUTTERCUP
Locally common. Apr-Jul. Marble Lane, T22N R14E S13 and T22N R15E S18.

***Ranunculus aquatilis* L. var. *hispidulus* Drew WATER BUTTERCUP**

Common, roadside ditches. Apr-Jul. Marble Lane, T22N R14E S13; Beckwourth Sattley Road, T22N R14E S26.

***Ranunculus cymbalaria* Pursh DESERT BUTTERCUP**

Fairly common, generally wet areas. May-Aug. Sattley, T21N R14E S33; Sierraville, T20N R15E S19 & 20; Sugarloaf, T23N R15E S20 & S17 [= *R. c.* var. *saximontanus*].

***Ranunculus flammula* L. var. *ovalis* (Bigelow) L.D. Benson CROWFOOT, CREEPING BUTTERCUP**

Fairly common, wet areas and mud flats. Jun-Aug. Marble Lane, T22N R15E S18.

***Ranunculus glaberrimus* Hook. var. *ellipticus* (Greene) Greene ELLIPTIC LEAVED SAGEBRUSH BUTTERCUP**

Common in sagebrush. Mar-May. Calpine, T21N R14E S16 & S20.

***Ranunculus glaberrimus* Hook. var. *glaberrimus* SAGEBRUSH BUTTERCUP**

Common in sagebrush. Mar-May. Beckwourth Sattley Road, T22N R14E S34; Calpine, T21N R14E S16.

***Ranunculus macounii* Britton MACOUN'S BUTTERCUP**

One record for Sierra Valley (CAS905447, Greg Sommers, 184, 1-Jul-1976, Sierra Valley Marsh). Marble Lane, T22N R15E S18. Considering the number of confirmed collections and range in the state, this is probably a misidentification and most likely *R. occidentalis* var. *o.*

***Ranunculus occidentalis* Nutt. var. *occidentalis* WESTERN BUTTERCUP**

Fairly common in vernal moist areas. Apr-Jun. Calpine, T21N R14E S16; Sierraville, T20N R15E S17; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

***Ranunculus sceleratus* L. var. *multifidus* Nutt. CURSED BUTTERCUP or CROWFOOT**

Wet areas along streams and pool margins. Jun-Aug. Ramelli Ranch, T23N R14E S27.

***Ranunculus testiculatus* Crantz. TUBERCLED BUTTERCUP**

Locally common, roadsides and waste places. Mar-May. Hwy 49 at Dyson Lane, T22N R16E S17.

THALICTRUM Meadow Rue***Thalictrum fendleri* A. Gray var. *fendleri* FENDLER'S MEADOW RUE**

Common on meadow edges and along streams. May-Aug. Sattley, T21N R14E S9; Coburn Lake, T20N R13E S36.

***Thalictrum fendleri* A. Gray var. *polycarpum* Torr. MEADOW RUE**

Open to shaded conifer forest. Mar-Jun. One historical record for Sierra Valley (UCSC289, "unknown; Jun 8 1889, Sierra, Sierra Valley").

***Thalictrum sparsiflorum* Fisch. & C.A. Mey. FEW FLOWERED MEADOW RUE**

Moist places among willows. Jul-Sep. To be looked for in the Yuba Pass area as this taxon has been reported just to the west.

RHAMNACEAE Buckthorn Family**CEANOTHUS** Wild Lilac***Ceanothus cordulatus*** Kellogg MOUNTAIN WHITETHORN

Common, open flats, slopes and logged areas. May-Jul. Ramelli Ranch, T23N R14E S27; Yuba Pass, T20N R13E S11; Calpine, T21N R14E S19.

Ceanothus prostratus Benth. MAHALA MATS

Common, especially in burn areas. Apr-Jun. Sattley, T20N R14E S4; Newman Point, T21N R14E S25; Calpine, T21N R14E S17.

Ceanothus velutinus Douglas var. *velutinus* TOBACCO BUSH

Very common in logged and burn areas. May-Jul. Sattley, T20N R14E S4.

FRANGULA Coffee Berry***Frangula purshiana*** (DC.) J.G. Cooper CASCARA SAGRADA

Forest edges and stream sides. May-Jul. Beckwourth Peak, T22N R14E S9 [= *Rhamnus p.*].

Frangula rubra (Greene) Grubov SIERRA COFFEEBERRY

Open brushy slopes. Apr-Jun. Sugarloaf, T23N R15E S17.

ROSACEAE Rose Family**AMELANCHIER** Service-Berry***Amelanchier alnifolia*** (Nutt.) M. Roem. SERVICE-BERRY

Fairly frequent in moist scrubland and open forest. May-Jun. Beckwourth Sattley Road, T22N R14E S10 & S23; Sattley, T20N R14E S4.

Amelanchier utahensis Koehne UTAH SERVICE-BERRY

Common, open slopes and flats. Apr-Jun. Calpine, T21N R14E S16; Newman Point, T21N R14E S25; Mapes Canyon, T23N R14E S11.

CERCOCARPUS Mtn. Mahogany***Cercocarpus ledifolius*** Nutt. var. *intermontanus* N.H. Holmgren CURL-LEAVED MOUNTAIN MAHOGANY

Scattered, open rocky slopes. Apr-Aug. Mapes Canyon, T23N R14E S11.

Cercocarpus ledifolius Nutt. var. *ledifolius* CURL-LEAVED MOUNTAIN MAHOGANY

Common, open rocky slopes. Apr-May. Harding Point, T21N R15E S31; Beckwourth Peak, T22N R14E S8; Beckwourth Pass, T23N R17E S31.

COMARUM***Comarum palustre*** L. MARSH CINQUEFOIL

Uncommon, floating fens. May-Aug. Sattley, T21N R14E S9; Coburn Lake, T20N R14E S29 [= *Potentilla p.*].

DRYMOCALLIS

Drymocallis glandulosa (Lindl) Rydb. var. *reflexa* (Greene) Ertter STICKY CINQUEFOIL
Fairly common, dry slopes and open forest. May-Jul. Mapes Canyon, T23N R14E S11; Calpine, T21N R14E S19; Sierraville, T20N R15E S17; Antelope Valley, T21N R15E S28 [= *Potentilla g.* subsp. *r.*].

Drymocallis lactea (Greene) Rydb. var. *austiniae* (Jeps.) Ertter AUSTIN'S WOODBEAUTY
Moist areas on rocky slopes and in forest openings. Jun-Jul. Calpine, T21N R14E S29 [= *Potentilla glandulosa* subsp. *ashlandica*].

Drymocallis lactea (Greene) Rydb. var. *lactea* SIERRAN WOODBEAUTY
Uncommon, edges of meadows and rocky slopes. Jun-Aug. Coburn Lake, T20N R14E S29 [= *Potentilla glandulosa* subsp. *nevadensis*].

FRAGARIA Strawberry

Fragaria virginiana Mill. MOUNTAIN STRAWBERRY
Lodgepole pine forest floors and moist shaded areas. May-Jul. Sattley, T20N R14E S9.

GEUM Avens

Geum macrophyllum Willd. var. *perincisum* (Rydb.) Raup LARGE LEAVED AVENS
Uncommon, wet roadside ditches, streams and meadows. May-Aug. Sattley, T20N R14E S10.

Geum triflorum Pursh OLD MANS WHISKERS, PURPLE AVENS
Dry meadow edges, sagebrush scrub. May-Jul. To be looked as this taxon is found just N of the project area.

HOLODISCUS

Holodiscus discolor (Pursh) Maxim. CREAM BUSH
Moist woodland edges, meadow edges. May-Aug. Sugarloaf, T23N R15E S17.

HORKELIA

Horkelia fusca Lindl. var. *brownii* (Rydb.) Ertter & Reveal TAWNY HORKELIA
Open forests and volcanic ground. Jul-Aug. Sierraville, T20N R15E S8; Calpine, T21N R14E S16 [= *Horkelia fusca* subsp. *pseudocapitata*].

Horkelia fusca Lindl. subsp. *parviflora* (Hook. & Arn.) Wawra DUSKY HORKELIA
Common, sagebrush scrub. May-Jun. Calpine, T21N R14E S16; Harding Point (N of Sierraville on Hwy 49), T21N R14E S20; Dyson Lane, T22N R15E S5.

IVESIA Mousetail

Ivesia aperta (J.T. Howell) Munz var. *aperta* SIERRA VALLEY IVESIA
Fairly common in scattered localities. Sagebrush and sandy areas. Predominately on the northern and eastern sides of the valley. CRPR 1B. Jun-Jul. Ramelli Ranch, T23N R14E S27; Antelope Valley, T21N R15E 17; Loyalton, T21N R16E S16.

***Ivesia baileyi* S. Wats. var. *baileyi* BAILEY'S IVESIA**

Rare, volcanic cliffs. CRPR 2B. Jun-Aug. Little Last Chance Creek, T23N R16E S4 (just beyond the project boundary); Sugarloaf, T23N R15E S20.

***Ivesia sericoleuca* (Rydb.) Rydb. PLUMAS IVESIA**

Fairly common in scattered localities. Seasonally wet clay soils. Primarily on the W side of the valley. CRPR 1B. Jun-Aug. Calpine, T21N R14E S16; and many locations along the Beckwourth Sattley Road.

***Ivesia webberi* A. Gray WEBBER'S IVESIA**

Rare, volcanic scalds and cobbly areas. CRPR 1B. May-Jul. Hwy 49, T22N R16E S16.

MALUS Apple***Malus pumila* Mill. DOMESTIC APPLE**

Apple trees have apparently started from seed in several locations, notably Marble Lane and Hwy 49 W of Sattley. There are also many remnant orchards throughout the valley.

POTENTILLA Cinquefoil***Potentilla anserina* L. subsp. *anserina* SILVER WEED**

Infrequent, moist \pm alkaline sites. May-Oct. Beckwourth, T23N R14E S27; Sugarloaf, T23N R15E S17.

***Potentilla biennis* Greene BIENNIAL CINQUEFOIL**

Uncommon, moist sandy areas. May-Aug. Marble Lane, T22N R14E S13.

***Potentilla gracilis* Hook. var. *elemeri* (Rydb.) Jeps. ELEMER'S CINQUEFOIL**

Drying meadows. Jun-Aug. Beckwourth, T23N R14E S26.

***Potentilla gracilis* Hook. var. *fastigiata* (Nutt.) S. Wats. SLENDER CINQUEFOIL**

Fairly common, dry meadows and open forest. May-Sep. Sierraville, T20N R14E S11.

***Potentilla gracilis* Hook. var. *flabelliformis* (Lehm.) Torr. & A. Gray FAN LEAVED CINQUEFOIL**

Drier parts of meadows. Jun-Aug. Ramelli Ranch, T23N R14E S27.

***Potentilla millefolia* Rydb. MANY LEAVED CINQUEFOIL**

Common, wet meadows. May-Sep. Calpine, T21N R14E S16; Sattley, T21N R14E S33; Knuthson Meadows, T21N R14E S5.

***Potentilla rivalis* Nutt. BROOK CINQUEFOIL**

Infrequent, roadside ditches. May-Oct. Marble Lane, T22N R15E S18.

POTERIDIUM Burnet***Poteridium annuum* (Nutt.) Spach GREAT WESTERN BURNET**

Common, disturbed areas and roadsides. May-Jul. Beckwourth Sattley Road, T22N R14E S11; Calpine, T21N R14E S16; Antelope Valley, T21N R15E S21; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17 [= *Sanguisorba occidentalis*].

PRUNUS Stone Fruits***Prunus andersonii*** A. Gray DESERT PEACH

Dry open rocky and sandy slopes. Mar-Apr. Beckwourth Pass, T22N R17E S6; Sugarloaf, T23N R15E S17.

Prunus emarginata (Douglas) Eaton BITTER CHERRY

Rocky openings in conifer forest. Apr-Jun. Sugarloaf, T23N R15E S17; Calpine, T21N R14E S17.

Prunus subcordata Benth. SIERRA PLUM, KLAMATH PLUM

Open rocky areas. Apr-Jun. Reported at Beckwourth Pass, T22N R17E S5; also DS38014, W.R. Dudley, s.n., Aug. 2, 1909, Sierra Valley.

Prunus virginiana L. var. *demissa* (Nutt.) Torr. CHOKE CHERRY

Rocky slopes and flats. May-Jun. Newman Point, T21N R14E S25; Sugarloaf, T23N R15E S17.

PURSHIA Bitterbrush***Purshia tridentata*** (Pursh) DC. var. *tridentata* BITTERBRUSH, ANTELOPE BRUSH

Dry slopes and flats. May-Jun. Calpine, T21N R14E S17.

ROSA Rose***Rosa californica*** Cham. & Schtldl. CALIFORNIA ROSE

Uncommon. Mostly near streams and roadside ditches. May-Aug. Sierraville, T20N R14E S13; Frenchman Lake Road, T23N R16E S10.

Rosa gymnocarpa Nutt. WOOD ROSE

Shaded woodlands and meadow edges. May-Jul. One record for Sierra Valley (CAS74976, Anna Head, s.n., Jun 20, 1921, Campbells Hot Springs, Feather River region). Sierraville, T20N R15E S19.

Rosa woodsii Lindl. var. *ultramontana* (S. Wats.) Taylor & MacBryde INTERIOR ROSE

Common, riverbanks and moist places. Jun-Aug. Beckwourth, T23N R14E S27; Antelope Valley, T21N R15E S28; Calpine, T21N R14E S16.

RUBUS Berries***Rubus parviflorus*** Nutt. THIMBLEBERRY

Open moist woods and canyons. May-Jul. Calpine T21N R14E S18.

SPIRAEA***Spiraea splendens*** K. Koch MOUNTAIN SPIRAEA

Moist areas in conifer forest. Jun-Sep. To be looked for as this taxon has been collected just to the W of Yuba Pass [= *S. densiflora*].

RUBIACEAE Madder Family**GALIUM** Bedstraw, Cleavers

***Galium aparine* L. GOOSE GRASS, CLEAVERS**

Common in moist shaded areas. May-Jul. Sierraville, T20 R14E S15; Sugarloaf, T23N R15E S17; Dyson Lane (S of Hwy 70), T22N R15E S6.

***Galium bifolium* S. Wats. LOW MOUNTAIN BEDSTRAW**

Open to shaded conifer forest. Jun-Sep. To be looked for as this taxon has been reported from just W of Yuba Pass.

***Galium bolanderi* A. Gray BOLANDER'S BEDSTRAW**

Dry rocky slopes. Jun-Aug. Sierraville, T20N R14E S24.

***Galium multiflorum* Kellogg MANY FLOWERED BEDSTRAW**

Uncommon, rocky places in sagebrush. Jun-Aug. Antelope Valley, T21N R15E S16.

***Galium trifidum* L. var. *subbiflorum* (Wieg.) Puff. DWARF TRIFID BEDSTRAW**

Infrequent, meadows, streams and other wet places. Jun-Sep. Ramelli Ranch, T23N R14E S27 [*G. t.* var. *pusillum*].

***Galium triflorum* Michx. FRAGRANT BEDSTRAW**

Uncommon, wet meadows and spring areas. Jun-Sep. Calpine, T21N R14E S19.

KELLOGGIA***Kelloggia galioides* Torr. KELLOGGIA**

Common, dry shaded wooded slopes and flats. May-Jul. Calpine, T21N R14E S19; Sugarloaf, T23N R15E S17.

SALICACEAE Willow Family**POPULUS Cottonwood, Aspen*****Populus alba* L. WHITE POPLAR, WHITE COTTONWOOD**

Common around old homesites. Beckwourth Pass, T22N R17E S6; Sattley, T21N R14E S9.

***Populus nigra* L. BLACK POPLAR, LOMBARDI POPLAR**

Scattered about old homesites. Calpine, T21N R14E S17; Sierraville, T20N R14E S15.

***Populus tremuloides* Michx. QUAKING ASPEN**

Common along streams and wet slopes, especially in the southern end of Sierra Valley. Apr-Jun. Sattley, T20N R14E S9; Chilcoot, T23N R17E S19.

***Populus trichocarpa* Hook. BLACK COTTONWOOD**

Scattered, along stream banks. Sattley, T21N R14E S9; Sierraville, T20N R14E S13 [= *P. balsamifera* subsp. *t.*].

SALIX Willow***Salix boothii* Dorn BOOTH'S WILLOW**

Wet meadows. Jun-Jul. Loyaltan, T21N R15E S12.

Salix breweri Bebb BREWER'S WILLOW

Stream banks in conifer forest. Mar-Apr. To be looked for as this taxon has been collected just northwest of Yuba Pass.

Salix eastwoodiae A. Heller EASTWOOD'S WILLOW, SIERRA WILLOW

Streams and wet meadows. Jun-Jul. Coburn Lake, T20 R14E S29; Yuba Pass, T20N R13E S11.

Salix exigua Nutt. NARROW LEAVED WILLOW, SLENDER WILLOW

Fairly common. Mar-May. Marble Lane, T22N R15E S18; Sugarloaf, T23N R15E S17.

Salix geyeriana Andersson GEYER'S WILLOW

Fairly common, stream sides. Apr-Jun. Loyalton, T21N R15E S13; Calpine, T21N R14E S5.

Salix jepsonii C.K. Schneid. JEPSON'S WILLOW

Damp places. May-Jun. To be looked for as this taxon is found within ½ mi of Yuba Pass.

Salix laevigata Bebb RED WILLOW

Fairly common, around ponds and stream banks. Mar-May. Hwy 49 (S of Vinton), T22N R16E S4.

Salix lasiandra Benth. var. *caudata* (Nutt.) Sudw. TAIL-LEAF WILLOW

Infrequent, along stream, lake shores and wet meadows. May-Jun. Frenchman Lake Road, T23N R16E S3.

Salix lasiandra Benth. var. *lasiandra* PACIFIC WILLOW

Wet meadows and seepage areas. Mar-May. Sugarloaf, T23N R15E S17; Sierraville, T20N R14E S13.

Salix lasiolepis Benth. ARROYO WILLOW

Common, along streams and other moist places. Mar-Apr. Sugarloaf, T23N R15E S17.

Salix lemmonii Bebb. LEMMON'S WILLOW

Common, meadows, streams and moist places. May-Jun. Sierraville, T20N R14E S13; Sattley, T20N R14E S9.

Salix liguifolia C.K. Schneid. STRAP-LEAFED WILLOW

Fairly common, stream sides. Mar-Jun. Sierraville, T20N R14E S13; Loyalton, T21N R15E S13.

Salix lutea Nutt. YELLOW WILLOW

Uncommon, creek margins and wet meadows. Sugarloaf, T23N R15E S17; Loyalton, T21N R15E S13.

Salix melanopsis Nutt. DUSKY WILLOW

Infrequent, streams and meadows. Mar-May. Ramelli Ranch, T23N R14E S27.

Salix orestera C.K. Schneid. GRAY-LEAFED SIERRA WILLOW

Subalpine meadows and streams. Jun-Jul. To be looked for in the Coburn Lake area.

Salix prolixa Andersson MACKENZIE'S WILLOW

River and stream banks. Mar-Jun. To be looked for as this taxon has been collected all around the Sierra Valley region.

***Salix scouleriana* Hook. SCOULER'S WILLOW**

Frequent, forest openings and not normally along streams. Apr-Jun. Sattley, T21N R14E S32; Loyalton, T21N R15E S13.

SAPINDACEAE Soapberry Family**ACER** Maple***Acer glabrum* Torr. MOUNTAIN MAPLE**

Fairly common on moist shaded slopes. Apr-Jun. Sattley, T21N R13E S25.

SARCOBATAACEAE Sarcobatus Family**SARCOBATUS** Greasewood***Sarcobatus vermiculatus* (Hook.) Torr. GREASEWOOD**

Uncommon, subalkaline places. May-Aug. Marble Lane, T22N R15E S18.

SAXIFRAGACEAE Saxifrage Family**LITHOPHRAGMA** Woodland Star***Lithophragma affine* A. Gray COMMON WOODLAND STAR**

Open grassy areas in pine forest. Jun-Jul. Calpine, T21N R14E S19.

***Lithophragma glabrum* Nutt. SMOOTH WOODLAND STAR**

Open dry areas. Apr-May. Beckwourth Sattley Road (S of Beckworth), T22N R14E S11; Yuba Pass, T20N R13E S11; Ramelli Ranch, T23N R14E S26.

***Lithophragma parviflorum* (Hook.) Torr. & A. Gray var. *parviflorum* SMALL FLOWER WOODLAND STAR**

Dry sagebrush areas. Apr-Jul. Marble Lane, T22N R14E S13; Calpine, T21N R14E S16.

***Lithophragma tenellum* Nutt. DAINTY STAR**

Open or wooded slopes and sagebrush scrub. May-Jul. Beckwourth Sattley Road (N of Sattley), T21N R14E S28.

MICRANTHES Saxifrage***Micranthes integrifolia* (Hook.) Small SMOOTH LEAF SAXIFRAGE**

Uncommon in vernal moist areas. Mar-Jun. Calpine, T21N R14E S16 [= *Saxifragia i.*].

***Micranthes nidifica* (Greene) Small PEAK SAXIFRAGE**

Scattered, wet meadow areas, often associated with *Carex*. Jun-Jul. Knuthson Meadows [= *Saxifragia n. var. n.*].

***Micranthes odontoloma* (Piper) A. Heller BROOK SAXIFRAGE**

Wet stream banks. Jul-Aug. Coburn Lake, T20N R14E S29 [= *Saxifragia o.*].

***Micranthes oregana* (Howell) Small BOG SAXIFRAGE**

Common in wet meadow and fen areas. May-Aug. Sattley, T20N R14E S9 [= *Saxifragia o.*].

PECTIANTIA Miterwort***Pectiantia breweri*** (A. Gray) Rydb. BREWER'S MITERWORT

Streams and heavily shaded moist areas. Jun-Aug. Yuba Pass, T20N R13E S11 [= *Mitella b.*].

Pectiantia pentandra (Hook.) Rydb. ALPINE MITERWORT

Moist shaded areas. May-Jul. Yuba Pass, T20N R13E S11 [= *Mitella p.*].

SCROPHULARIACEAE Figwort Family**LIMOSELLA** Mudwort***Limosella acaulis*** Sessé. & Moc. SOUTHERN MUDWORT

Uncommon, muddy river edges. May-Oct. Ramelli Ranch, T23N R14E S27.

Limosella aquatica L. NORTHERN MUDWORT

Muddy stream and shore edges. Jun-Sep. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27; Beckwourth, T23N R14E S26.

Limosella australis R. Br. DELTA MUDWORT

Roadside ditches and mud flats. May-Sep. One collection for Sierra Valley (SJSU14242, N.A. Hopkins, W. Anderson, #1499, May 27, 1989). Dyson Lane (S of Beckwourth), T22N R15E S8.

SCROPHULARIA Figwort***Scrophularia desertorum*** (Munz) R.J. Shaw DESERT FIGWORT

Fairly common, dry slopes and cliffs. Jun-Aug. Vinton, T23N R16E S35; Frenchman Lake Road, T23N R16E S3; Sugarloaf, T23N R15E S17.

Scrophularia lanceolata Pursh MOUNTAIN FIGWORT

Uncommon, moist stream banks and meadows. One record for Sierra Valley (CDA11872, G.F. Hrusa & J. Jokerst, #8533A, Jul 5, 1991). May-Jul. Antelope Valley, T21N R15E S34.

VERBASCUM Mullein***Verbascum thapsus*** L. COMMON MULLEIN

Common, disturbed areas and roadsides. Jun-Sep. Calpine, T21N R14E S16; Sugarloaf, T23N R15E S17.

SOLANACEAE Nightshade Family**CHAMAESARACHA*****Chamaesaracha nana*** (A. Gray) A. Gray DWARF CHAMAESARACHA

Common, sandy slopes and flats. May-Jul. Calpine, T21N R14E S16.

LYCIUM Wolf Berry***Lycium barbarum*** L. MATRIMONY VINE, WOLF BERRY

Two historical records for Sierra Valley; UC1714337, *Lycium halimifolium*, H.M. Hall & E.B. Babcock, #4462, Jul 1903, Beckwourth, T23N R14E S26 & RENO37488, Helen Hamlin, #1522, Jul 1904, Sierra Valley (probably in the Sierraville area as the Hamlin family ranched in this area).

NICOTIANA Tobacco***Nicotiana attenuata*** S. Wats. COYOTE TOBACCO

Common, disturbed sandy areas. May-Oct. Calpine, T21N R14E S16; Beckwourth Pass, T22N R17E S6.

Nicotiana langsdorffii Weinm. LANGSDORFF'S TOBACCO

Cultivated plant, primarily horticultural (J.G. Lemmon s.n., Sierraville, no date; bar code: P00455048, Herbarium Museum Paris).

SOLANUM Nightshade***Solanum physalifolium*** Rusby var. *nitidibaccatum* (Bitter) Edmonds HAIRY NIGHTSHADE

Uncommon, along roads, sand and gravel bars along rivers. May-Nov. Frenchman Lake Road, T23N R16E S11 [= *S. sarrachoides*].

Solanum rostratum Dunal BUFFALO BURR

Rare, generally a waif from bird seed. May-Sep. Calpine, T21N R14E S16.

Solanum triflorum Nutt. CUTLEAF NIGHTSHADE

Dry sagebrush scrub. Jul-Aug. Sierraville, T20N R14E S13; Loyalton, T21N R15E S13.

URTICACEAE Nettle Family**URTICA** Stinging Nettle***Urtica dioica*** L. STINGING NETTLE

Uncommon in moist areas. Jun-Sep. This taxon has been reported from the Antelope Valley area but there are no confirmed records for the Sierra Valley region.

VALERIANACEAE Valerian Family**PLECTRITIS*****Plectritis ciliosa*** (Greene) Jeps. subsp. *insignis* (Suksd.) Morey LONG SPURRED PLECTRITIS

Partly shaded slopes. Apr-Jun. Ramelli Ranch, T23N R14E S28.

Plectritis congesta (Lindl.) DC subsp. *brachystemon* (Fisch. & C.A. Mey.) Morey SEA BLUSH

Uncommon, sandy areas. Apr-Jun. Beckwourth Pass, T22N R17E S5.

Plectritis macrocera Torr. & A. Gray WHITE PLECTRITIS

Common, moist shady areas of pines and sagebrush. May-Jul. Calpine, T21N R14E S16; Loyalton, T21N R15E S15; Hwy 70 (The Buttes), T23N R15E S28.

VALERIANA Valerian***Valeriana californica*** A. Heller CALIFORNIA VALERIAN

Locally common, moist open or wooded slopes. Jul-Aug. Yuba Pass (S of), T20N R13E S14; Coburn Lake, T20N R14E S29.

VERBENACEAE Vervain Family**VERBENA** Vervain***Verbena bracteata*** Lag. & Rodr. BRACTED VERVAIN

Limited, disturbed areas and road and pond shores. May-Oct. Dyson Lane, T22N R15E S13; Sattley, T20N R14E S9.

VIOLACEAE Violet Family**VIOLA** Violet***Viola adunca*** Sm. subsp. ***adunca*** BLUE VIOLET

Moist, generally shaded areas. Apr-Aug. One record for the Sierra Valley area (POM286609, Mrs. J.W. Morrison, s.n., Loyalton). Loyalton, T21N R15E S13.

Viola bakeri Greene BAKER'S VIOLET

Fairly common, wooded slopes and flats. May-Aug. Yuba Pass, T20N R13E S11.

Viola beckwithii Torr. & A. Gray GREAT BASIN VIOLET

Common, sagebrush flats and slopes. Mar-May. Calpine, T21N R14E S16; Newman Point, T21N R14E S25; Ramelli Ranch, T23N R14E S27.

Viola glabella Nutt. STREAMSIDE VIOLET, SMOOTH YELLOW VIOLET

Streams and moist shaded areas. Apr-Jul. Sattley, T20N R14E S9; Sierraville, T20N R14E S15.

Viola macloskeyi F.E. Lloyd MACLOSKEY'S VIOLET

Common, seep areas and wet meadows. May-Aug. Sattley, T20N R14E S9.

Viola nephrophylla Greene LECONTE VIOLET

Uncommon, shaded swampy areas. Apr-Aug. Sattley, T20N R14E S9; Corecco Canyon, T22N R16E S27.

Viola pinetorum Greene subsp. ***grisea*** (Jeps.) R.J. Little GRAY-LEAVED VIOLET

Infrequent, openings in woods. Jun-Aug. Yuba Pass, T20N R13E S11.

Viola pinetorum Greene subsp. ***pinetorum*** PINE VIOLET

Frequent, openings in woods. Jun-Aug. Ross Meadows, T23N R14E S33; Calpine, T21N R14E S29.

Viola praemorsa Lindl. subsp. ***linguifolia*** (Nutt.) M.S. Baker & J.C. Clausen UPLAND YELLOW VIOLET

Moist forest floors. Jun-Aug. Loyalton, T21N R16E S8.

Viola praemorsa Lindl. subsp. ***praemorsa*** ASTORIA VIOLET

Vernally moist areas. Apr-Jul. One collection for Sierra Valley (UC337759, J.G. Lemmon, #48, Jun, 1874, Sierra Valley).

Viola purpurea Kellogg subsp. ***aurea*** (Kellogg) J.C. Clausen GOLDEN VIOLET

Rare, sagebrush and sandy slopes. CRPR 2B. Apr-Jun. Beckwourth Sattley Road, T22N R14E S34; Sattley, T20N R14E S9.

Viola purpurea Kellogg subsp. *integrifolia* M.S. Baker & J.C. Clausen SMOOTH LEAVED VIOLET

Red fir forest. May-Aug. To be looked for in the higher elevations.

Viola purpurea Kellogg subsp. *purpurea* MOUNTAIN VIOLET

Common, dry slopes and woods. May-Aug. Hwy 89 (N of Sattley), T21N R14E S32; Knuthson Meadows, T21N R14E S5.

Viola purpurea Kellogg subsp. *quercetorum* (M.S. Baker & J.C. Clausen) R.J. Little GOOSE FOOT VIOLET

Dry slopes and woods. May-Aug. One record for the Sierra Valley area (UC338299, unknown, 20 May 1887, Specimen separated from sheet no. 564992; from the Lemmon Herbarium).

Viola purpurea Kellogg subsp. *venosa* (S. Wats.) M.S. Baker & J.C. Clausen DESERT VIOLET

Common, dry sandy slopes and flats. Apr-Jul. Frenchman Lake Road, T23N R16E S25; Hwy 70 (The Buttes), T23N R15E S28; Vinton, T23N R16E S21.

Viola sheltonii Torr. SHELTON'S VIOLET

Pine and fir forests. Apr-Jul. One record for the Sierra Valley region (POM286463, Mrs. J.W. Morrison s.n., no date, Loyalton). To be looked for in the Yuba Pass area as this taxon has been reported just to the west.

VISCACEAE Mistletoe Family

PHORADENDRON Mistletoe

Phoradendron juniperinum A. Gray JUNIPER MISTLETOE, INCENSE CEDAR MISTLETOE

Fairly common. Hwy 49 (W of Sattley), T21N R14E S31 [= *P. libocedri*].

ZYGOPHYLLACEAE Caltrop Family

TRIBULUS Puncture Vine

Tribulus terrestris L. PUNCTURE VINE

Uncommon, disturbed areas. Apr-Oct. Loyalton, T21N R15E S13.

MONOCOTS

AGAVACEAE

CAMASSIA Camas

Camassia leichtlinii (Baker)S. Wats. subsp. *suksdorfii* (Greenm.) Gould LARGE FLOWERED CAMAS

Common, wet to drying meadows. May-Jun. Calpine, T21N R14E S16; Sierraville, T20N R14E S13 [= *C. quamash* subsp. *q.*].

Camassia quamash (Pursh) Greene subsp. *breviflora* Gould SMALL FLOWERED CAMAS

Limited, wet meadows. May-Jul. Yuba Pass, T20N R13E S11; Knuthson Meadows, T21N R14E S5; Beckwourth Sattley Road, T22N R14E S26 [= *C. q.* subs. *linearis*].

HASTINGSIA***Hastingsia alba*** (Durand) S. Wats. WHITE FLOWERED HASTINGSIA

Meadows, swampy places and rocky seeps. Jun-Jul. One record for Sierra Valley (UC 367064, Jul 1874, Unknown. Date as "Jul, 1874." From Lemmon Herbarium, probably collected by Lemmon).

LEUCOCRINUM Sand Lily***Leucocrinum montanum*** A. Gray SAND LILY

Uncommon, sandy flats, often in the sagebrush. Apr-May. Dyson Lane, T22N R16E S17; Calpine, T21N R14E S16.

ALISMATACEAE Water Plantain Family**ALISMA** Water Plantain***Alisma triviale*** Pursh COMMON WATER PLANTAIN

Scattered, roadside ditches. Jun-Aug. Marble Lane, T22N R15E S18.

DAMASONIUM***Damasonium californicum*** Benth. FRINGED WATER PLANTAIN

Scattered on drying riverbanks and roadside ditches. May-Aug. Ramelli Ranch, T23N R14E S27; Marble Lane, T22N R14E S13.

SAGITTARIA Tule Potato, Arrowhead***Sagittaria cuneata*** E. Sheld. ARUM-LEAVED ARROW-HEAD

Uncommon in marsh areas and ponds. Jun-Aug. Marble Lane T22N R15E S17; Calpine, T21N R14E S16 (plants at this site have not been seen since 1996).

ALLIACEAE**ALLIUM** Onion***Allium amplexans*** Torr. NARROW LEAVED ONION

Vernally moist slopes. Apr-Jun. Hwy 70 (E of The Buttes), T23N R15E S35.

Allium anceps Kellogg KELLOG'S ONION

Drying slopes and flats. Apr-Jun. Beckwourth Sattley Road, T22N R14E S11 & S23.

Allium bisceptrum S. Wats. TWIN CRESTED ONION

Local, meadows and aspen groves. Jun-Jul. Frenchman Lake Road, T23N R16E S30; Beckwourth Sattley Road, T22N R14E S13.

Allium campanulatum S. Wats. SIERRA ONION

Common, dry wooded slopes and flats. May-Jul. Calpine, T21N R14E S16.

Allium lemmonii S. Wats. LEMMON'S ONION

Common, drying slopes and flats. May-Jun. Calpine, T21N R14E S16; Marble Lane, T22N R15E S18; Newman Point, T21N R14E S25; Sierraville, T20N R15E S18; Ramelli Ranch, T23N R14E S28.

Allium parvum Kellogg DWARF ONION

Common, rocky slopes and volcanic scalds. May-Jul. Calpine, T21N R14E S16; Sattley, T21N R14E S28.

Allium platycaule S. Wats. FLAT STEMMED ONION

Local, open gravelly ridges, slopes and volcanic scalds. May-Jul. Mapes Canyon, T23N R14E S11; Beckwourth Sattley Road, T22N R14E S23.

Allium validum S. Wats. SWAMP ONION

Wet meadows and seeps. Jul-Sep. To be looked for in the Yuba Pass area.

ARACEAE Arum Family**LEMNA** Duckweed***Lemna gibba*** L. GIBBOUS DUCKWEED

Local, fresh or brackish water. Loyalton, T21N R15E S13.

Lemna minor L. LEAST DUCKWEED

Fairly frequent, slow moving fresh water. Marble Lane, T22N R14E S13; Ramelli Ranch, T23N R14E S28; Loyalton, T21N R15E S14.

Lemna minuta Kunth MINUTE DUCKWEED

Fairly common, slow moving fresh water. Antelope Valley, R21N R15E S17 [= *L. minuscula*].

Lemna trisulca L. IVY LEAVED DUCKWEED

Mountain streams and meadows. Generally forming tangled masses below the water surface. To be looked for in the project area.

Lemna turionifera Landolt BUDDED DUCKWEED

Uncommon. Fresh water. "Island School House"; either Loyalton, T21N R15E S13 or Dyson Lane, T22N R16E S13 (depending on the date the school house was moved to its present site in Loyalton).

Lemna valdiviana Phil. DUCKWEED

Fairly common, fresh water. Sierraville, T20N R15E S18.

SPIRODELA Great Duckweed or Duckmeat***Spirodela polyrhiza*** (L.) Schleid. COMMON DUCKMEAT

Fairly common in fresh water, but rarely collected. Heriot Lane, T22N R15E S33.

CYPERACEAE Sedge Family**BOLBOSCHOENUS** Tuberous Bulrush***Bolboschoenus fluviatilis*** (Torr.) Sojak RIVER BULRUSH

Uncommon in California. Fresh water marshes and ponds. Jun-Sep. To be looked for as this taxon has been collected at Portola just W of the Sierra Valley area.

CAREX Sedge***Carex abrupta*** Mack. ABRUPTLY BEAKED SEDGE

Fairly common, dryer meadows and open slopes. Yuba Pass, T20N R13E S11. Also found just to the W of project at McNair Meadows, T21N R13E S14.

Carex amplifolia Boott BIG-LEAF SEDGE

Wet soils of creeks and meadows. May-Sep. One collection for Sierra Valley (DS64170, J.G. Lemmon, s.n., Sierra Valley. Olsen's Ranch). Sierraville, T20N R14E S13.

Carex angustata Boott NARROW-LEAVED SEDGE

Stream banks and wet meadows. Jun-Sep. To be looked for in the higher elevations as this taxon has been reported just to the W of Yuba Pass.

Carex aquatilis Wahlenb. var. *aquatilis* WATER SEDGE

Wet places and marshy meadows. Jul-Sep. Sugarloaf, T23N R15E S17.

Carex athrostachya Olney SLENDER BEAKED SEDGE

Streams, seeps and other wet areas. May-Sep. Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E S29.

Carex aurea Nutt. GOLDEN FRUITED SEDGE

Wet meadows and seeps. Jun-Aug. Marble Lane, T22N R15E S18.

Carex brainerdii Mack. BRAINERD'S SEDGE

Open forest and dry rocky areas. May-Jul. To be looked for in the higher elevations as this taxon has been reported from just W of Yuba Pass.

Carex capitata L. CAPITATE SEDGE

Moist alpine meadows and peat bogs. Jul-Sep. To be looked for as this taxon has been collected just outside the project area to the S of Yuba Pass.

Carex cusickii Piper & Beattie CUSICK'S SEDGE

Wet meadows, bogs and marshes. Jun-Sep. To be looked for in the Calpine area as this taxon is found just to the W at McNair Meadows (T21N R13E S14).

Carex diandra Schrank LESSER TUSsock SEDGE

Marshy meadows and terrestrial fens. Jul-Aug. Maiden Valley, T20N R14E S29.

Carex douglasii Boott DOUGLAS' SEDGE

Dry mountain meadows, sagebrush flats. May-Aug. Sugarloaf, T23N R15E S17; Ramelli Ranch, T23N R14E S27; Calpine, T21N R14E S16.

Carex echinata Murray subsp. *echinata* STAR SEDGE

Wet places and bogs. Jun-Sep. To be looked for as this taxon has been reported just to the W of Yuba Pass.

Carex feta L.H. Bailey GREEN-SHEATHED SEDGE

Wet meadows and seeps. May-Aug. To be looked for as this taxon is found just to the W of Yuba Pass.

Carex filifolia Nutt. var. ***erostrata*** Kük. SAGEBRUSH SEDGE

Common, dry open flats and slopes. May-Aug. Beckwourth Sattley Road, T21N R14E S16; Ramelli Ranch, T23N R14E S27.

Carex filifolia Nutt. var. ***filifolia*** THREAD-LEAVED SEDGE

Common, dry open flats and slopes. Jul-Aug. Calpine, T21N R14E S16.

Carex fissuricola Mack. CANYON SEDGE

Meadows and rocky stream sides. Jul-Sep. To be looked for as this taxon has been found on Sulphur Creek, within 2 mi of the project area and at Haskell Peak.

Carex fracta Mack. FRAGILE SHEATHED SEDGE

Montane meadows, open forest. May-Sep. Calpine, T21N R14E S30.

Carex hassei L.H. Bailey HASSE'S SEDGE

Springs, fens and wet meadows. May-Sep. One collection for Sierra Valley (CAS102960, Lemmon, #487, Sep. 1874, Sierra Valley).

Carex heteroneura W. Boott SMOOTH-FRUITED SEDGE

Rocky slopes, forest openings and meadows. Jun-Sep. To be looked for as this taxon has been found on Sulphur Creek, just W of the project, and to the S of Yuba Pass

Carex hoodii Boott HOOD'S SEDGE

Fairly common, meadow edges and rocky slopes. Jun-Sep. Hwy 89 (Calpine Summit), T22N R13E S13.

Carex illota L.H. Bailey SMALL HEADED SEDGE

Montane wet meadows and bogs, usually above 6500 feet. Jul-Sep. To be looked for in the Yuba Pass area as this taxon has been collected just to the west.

Carex jonesii L.H. Bailey JONES' SEDGE

Moist places, meadows and streams. Jun-Sep. Sattley, T20N R14E S9.

Carex lemmonii W. Boott LEMMON'S SEDGE

Spring areas and moist meadows. May-Aug. To be looked for as this taxon has been reported from just W of Yuba Pass.

Carex lenticularis Michx. LAKESHORE SEDGE

Wet meadows and lake shores. Jun-Oct. To be looked for in the higher elevations especially in the area of Coburn Lake. This taxon has been reported from just W of Yuba Pass.

Carex luzulifolia W. Boott LITTLE-LEAVED SEDGE

Uncommon, usually above 7000', wet meadows and wet rocky slopes. Jul-Sep. Coburn Lake, T20N R14E S29.

Carex mariposana Mack. MARIPOSA SEDGE

Dry slopes and meadows. Jun-Aug. To be looked for as this taxon has been collected just W of Yuba Pass.

Carex microptera Mack. SMALL-WINGED SEDGE

Meadows and open slopes. Jun-Aug. To be looked for as this taxon has been reported from just W of Yuba Pass.

Carex multicaulis L.H. Bailey MANY STEMMED SEDGE

Common, rocky slopes and open woods. Apr-Jul. One collection listed for Sierra Valley, (UC825435, J.G. Lemmon s.n., 1882).

Carex multcostata Mack. MANY RIBBED SEDGE

Dry meadows and open woods. Jul-Sep. To be looked for as this taxon is found within 1 mi of the N boundary of the project area and also just W of Yuba Pass.

Carex nebrascensis Dewey NEBRASKA SEDGE

Common, wet meadows and roadside ditches. Jun-Sep. Antelope Valley, T21N R15E S21; Sattley, T20N R14E S9.

Carex nervina L. Bailey SIERRA SEDGE

Meadows, streams and springs. Jun-Sep. To be looked for as this taxon is found on Sulphur Creek, just W of project area, and just W of Yuba Pass.

Carex nudata W. Boott TORRENT SEDGE

Uncommon, rocky streams and rivers. Apr-Jul. Grizzly Creek (W of the Lester Davis Rest Area on Hwy 70), T23N R14E S28.

Carex pellita Muhl. ex Willd. WOOLY SEDGE

Generally marshy places and stream banks. May-Sep. One record for Sierra Valley (CAS103093, Alice Eastwood, #7019, Jun 29, 1918, Loyalton).

Carex praegracilis W. Boott CLUSTERED FIELD SEDGE

More or less moist places, often alkaline. Apr-Aug. Sugarloaf, T23N R15E S17; Marble Lane, T22N R15E S18.

Carex raynoldsii Dewey RAYNOLDS' SEDGE

Common, meadows. Jun-Aug. Yuba Pass, T20N R13E S11.

Carex rossii Boott ROSS' SEDGE

Dry meadows and slopes. May-Aug. Sugarloaf, T23N R15E S17.

Carex scopulorum T. Holm var. *bracteosa* (L.H. Bailey) F.J. Herm. SIERRA ALPINE SEDGE

Limited, wet meadows and swamps. Jul-Sep. Coburn Lake, T20N R14E S29.

Carex simulata Mack. SHORT-BEAKED SEDGE

Wet meadows and fen like places. Jun-Sep. Sattley, T21N R14E S33; Sierraville, T20N R14E S13.

Carex specifica L.H. Bailey NARROW-FRUITED SEDGE

Dry meadows and forest openings. Jul-Sep. To be looked for as this taxon has been collected to the W of Yuba Pass.

Carex spectabilis Dewey SHOWY SEDGE

Limited, usually above 6000', wet meadows and seeps below lingering snowbanks. Jul-Sep. Coburn Lake, T20N R14E S29.

Carex stipata Willd. var. *stipata* AWL FRUITED SEDGE

Wet areas about lakes, streams and seeps. May-Aug. One record for Sierra Valley (UC835954, J.G. Lemmon, #479, Sierra Valley).

***Carex straminiformis* L.H. Bailey MOUNT SHASTA SEDGE**

Usually above 6500', rocky or gravelly soils. Jul-Sep. To be looked for as this taxon is found just to the W of Yuba Pass.

***Carex subfusca* W. Boott SIERRA SLENDER SEDGE**

Fairly common, drier portions of meadows, edges of woods and open woodland floors. May-Sep. Sugarloaf, T23N R15E S17; Yuba Pass, T20N R13E S11; Sattley, T21N R14E S31.

***Carex utriculata* Boott BEAKED SEDGE**

Common, lake shores, marsh areas and standing water of slow moving streams. Jun-Sep. Sattley, T20N R14E S9.

***Carex vesicaria* L. INFLATED SEDGE**

Wet places and shallow water. Jun-Sep. One record for Sierra Valley (DS64026, J.G. Lemmon, s.n., Sep. 1875, Sierra Valley).

***Carex whitneyi* Olney WHITNEY'S SEDGE**

Common, open wooded slopes and dry gravelly meadows. Jun-Aug. Yuba Pass, T20N R13E S11.

CYPERUS Nutsedge***Cyperus squarrosus* L. BEARDED FLAT SEDGE**

Marsh areas and ponds. Jun-Nov. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27.

ELEOCHARIS Spike Rush***Eleocharis bella* (Piper) Svenson ANNUAL NEEDLE SPIKE RUSH**

Wet soils in sagebrush scrub and lodgepole pine stands. Spring-Summer. Ramelli Ranch, T23N R14E S27 [= *Eleocharis acicularis* var. *b.*].

***Eleocharis engelmannii* Steud. var. *detonsa* A. Gray ENGELMANN'S SPIKE RUSH**

Uncommon, wet soils of pond and lake margins. Spring-Fall. Calpine, T21N R14E S16 [= *Eleocharis obtusa* var. *e.*].

***Eleocharis macrostachya* Britton CREEPING SPIKE RUSH**

Common, ponds, ditches and marshes. Spring-Summer. Marble Lane, T22N R15E S18.

***Eleocharis montevidensis* Kunth SAND SPIKE RUSH**

Locally common, seasonally wet zones. Spring-Summer. Marble Lane, T22N R15E S18; Calpine, T21N R14E S16.

***Eleocharis palustris* (L.) Roem. & Schult. COMMON SPIKE RUSH**

Common, wet meadows and ponds. Summer. Yuba Pass, T20N R13E S11; Sierraville, T20N R15E S19.

***Eleocharis parishii* Britton PARISH'S SPIKE RUSH**

Streams and ponds. Late spring-Fall. Reported from just W of Yuba Pass.

***Eleocharis quinqueflora* (Hartmann) O. Schwarz FEW FLOWERED SPIKE RUSH**

Uncommon, wet meadows, fens and seeps. Spring-Summer. Sugarloaf, T23N R15E S17.

***Eleocharis rostellata* (Torr.) Torr. WALKING SEDGE**

Springs and hot springs. Spring-Summer. Two records for Sierra Valley, both at the same locality (DS55462 & DS55464; Near east hot spring, Sierra Valley). Sierraville, T20N R15E S19.

***Eleocharis suksdorfiana* Beauverd SUKSDORF'S SPIKE RUSH**

Wet meadows and fens. Summer. Sattley, T20N R14E S9.

ERIOPHORUM Cottongrass***Eriophorum criniger* (A. Gray) Beetle FRINGED COTTONGRASS**

Wet montane meadows. Jun-Aug. To be looked for as this taxon has been collected just W of Yuba Pass [= *Eriophorum crinigerum*].

***Eriophorum gracile* Roth SLENDER COTTONGRASS**

Wet meadows and bogs. CRPR 4. May-Jul. Maiden Valley, T20N R13E S29.

KOBRESIA Bog Sedge***Kobresia myosuroides* (Vill.) Fiori & Paol BELLARDI BOG SEDGE**

Rare, drying vernal meadows. CRPR 2B. Jun-Aug. Calpine, T21N R14E S9 & S15.

SCHOENOPLECTUS Naked-Stemmed Bulrushes***Schoenoplectus acutus* (Bigelow) A.&D. Love var. *occidentalis* (S. Wats.) S.G. Sm. HARDSTEM BULRUSH**

Common, marshy areas and wet ditches. Summer. Marble Lane, T22N R15E S18 [= *Scirpus a.* var. *a.*].

***Schoenoplectus americanus* (Pers.) Schinz & R. Keller THREE SQUARE**

Fairly common, marshes and ponds. Summer. Ramelli Ranch, T23N R14E S26; Marble Lane, T22N R14E S13 [= *Scirpus a.*].

***Schoenoplectus pungens* (Vahl) Palla var. *longispicatus* (Britton) S.G. Sm. COMMON THREE SQUARE**

Limited, subalkaline meadows and hot wells. Late spring-Summer. Marble Lane, T22N R14E S13 [= *Scirpus p.*].

SCIRPUS Bulrush or Tule***Scirpus congdonii* Britton CONGDON'S BULRUSH**

Meadows and stream banks. Jul-Aug. To be looked for in higher elevation wet meadows near Yuba Pass as this taxon has been collected just to the west.

***Scirpus microcarpus* J. Presl. & C. Presl SMALL FRUITED BULRUSH**

Along streams, springs and wet meadows. Jun-Jul. Sierraville, T20N R15E S18; Calpine, T21N R14E S19; Sugarloaf, T23N R15E S17.

HYDROCHARITACEAE Waterweed Family**ELODEA** Waterweed

***Elodea canadensis* Michx. COMMON WATERWEED**

Marshlands. Jul-Aug. Ramelli Ranch (E of Co. Rd. A-23), T23N R14E S35.

***Elodea nuttallii* (Planch.) H. St. John NUTTALL'S WATERWEED**

Uncommon, slow moving streams and ponds. Jul-Aug. Ramelli Ranch, T23N R14E S27; Sattley, T21N R14E S28; Marble Lane, T22N R15E S17.

IRIDACEAE Iris Family**IRIS** Iris***Iris missouriensis* Nutt. WESTERN BLUE FLAG**

Common, drying meadows and flats. May-Jul. Marble Lane, T22N R15E S18; Sierraville, T20N R14E S13.

SISYRINCHIUM Eyed grass***Sisyrinchium bellum* S. Wats. CALIFORNIA BLUE EYED GRASS**

Uncommon, moist open meadows. Apr-Jun. Dyson Lane (S of Hwy 70), T23N R15E S31.

***Sisyrinchium halophilum* Greene NEVADA BLUE EYED GRASS**

Uncommon, generally moist alkaline meadows. May-Jun. Sattley, T20N R14E S4; Marble Lane, T22N R15E S17.

***Sisyrinchium idahoense* E.P. Bicknell var. *occidentale* (E.P. Bicknell) Douglass M. Hend. WESTERN BLUE EYED GRASS**

Frequent, wet meadows. Jun-Aug. Marble Lane, T22N R15E S18; Calpine, T21N R14E S19; Beckwourth Sattley Road, T21N R14E S4; Sugarloaf, T23N R15E S17.

JUNCACEAE Rush Family**JUNCUS** Wire Grass, Rush***Juncus balticus* Willd. subsp. *ater* (Rydb.) Snogerup BALTIC RUSH**

Fairly common, wet areas. Jul-Nov. Sattley, T20N R14E S9; Calpine, T21N R14E S16; Marble Lane, T22N R15E S13.

***Juncus bryoides* F.J. Herm. MINUTE RUSH, MOSS RUSH**

Infrequent, moist sandy ditches and about seeps. May-Jun. Marble Lane, T22N R14E S13.

***Juncus bufonius* L. var. *bufonius* COMMON TOAD RUSH**

Common, vernal moist places, pools and sandbars. Apr-Sep. Marble Lane, T22N R14E S13; Ramelli Ranch, T23N R14E S27.

***Juncus bufonius* L. var. *occidentalis* F.J. Herm. ROUND FRUITED TOAD RUSH**

Fairly common, vernal moist swales and muddy places. Apr-Sep. Knuthson Meadows, T21N R14E S5; Beckwourth Sattley Road (near Calpine), T21N R14E S15.

***Juncus chlorocephalus* Engelm. GREEN HEADED RUSH**

Limited, meadows and seeps. Jul-Sep. To be looked for as this taxon is found on Sulphur Creek just to the W of project area.

***Juncus confusus* Coville COLORADO RUSH**

Meadows in conifer forests. Jul-Sep. To be looked for in the Yuba Pass area as this taxon has been collected just to the west.

***Juncus covillei* Piper COVILLE'S RUSH**

Montane forest. Jul-Sep. To be looked for as this taxon has been collected near Yuba Pass.

***Juncus dubius* Engelm. MARIPOSA RUSH**

Wet areas. Jul-Sep. To be looked for as this taxon has been collected in the Sulphur Creek area just to the W of the project area.

***Juncus effusus* L. subsp. *pacificus* (Fernald & Wieg.) Piper & Beattie COMMON BOG RUSH**

Wet seeps, damp sunny ground. May-Oct. Lemmon Canyon (Sierraville), T20N R15E S16.

***Juncus ensifolius* Wikstr. SWORDLEAF RUSH**

Common, wet places. Jul-Sep. Frenchman Lake Road, T23N R16E S11; Coburn Lake, T20N R14E S29.

***Juncus hemiendytus* F.J. Herm. var. *abjectus* (F.J. Herm.) Ertter LEAST DWARF RUSH**

Limited, vernal wet areas. CRPR 4. May-Jul. Ramelli Ranch, T23N R14E S26.

***Juncus hemiendytus* F.J. Herm. var. *hemiendytus* HERMANN'S DWARF RUSH**

Fairly common, vernal moist areas. Apr-Jul. Ramelli Ranch, T23N R14E S27.

***Juncus howellii* F.J. Herm. HOWELL'S RUSH**

Fairly common, meadows. Jul-Aug. To be looked for as this taxon has been reported from Sulphur Creek just W of the project area.

***Juncus luciensis* Ertter SANTA LUCIA DWARF RUSH**

Vernal moist sands and along streams. CRPR 1B. May-Jun. Ramelli Ranch, T23N R14E S27.

***Juncus macrandrus* Coville LONG ANTHERED RUSH**

Infrequent, meadows, seeps and stream banks. Jul-Aug. Ramelli Ranch, T23N R14E S27.

***Juncus mertensianus* Bong. MERTEN'S RUSH**

Common, usually above 5000', wet meadows and stream banks. Jul-Aug. Coburn Lake, T20N R14E S20.

***Juncus mexicanus* Willd. MEXICAN RUSH**

Fairly common, meadows. Aug-Nov. Vinton, T23N R16E S33.

***Juncus nevadensis* S. Wats. var. *nevadensis* NEVADA RUSH**

Fairly common, wet meadows and stream banks. Jul-Aug. Sierraville, T20N R14E S13.

***Juncus occidentalis* (Coville) Wieg. WESTERN RUSH**

Fairly frequent, vernal moist areas. Apr-Jul. Mapes Canyon, T23N R14E S11.

***Juncus orthophyllus* Coville STRAIGHT LEAVED RUSH**

Common, wet meadows and stream banks. Jul-Aug. Calpine, T21N R14E S19; Yuba Pass, T20N R13E S11.

Juncus oxymyris Engelm. POINTED RUSH

Along streams and other wet places. Jun-Aug. To be looked for in the Yuba Pass area as this taxon has been collected just to the west.

Juncus parryi Engelm. PARRY'S WIRE GRASS

Common, dry rocky slopes. Jul-Aug. Coburn Lake, T20N R14E S20.

Juncus tenuis Willd. POVERTY OR SLENDER RUSH

Moist meadow areas. Jun-Sep. To be looked for in the Yuba Pass area as this taxon has been collected just to the west.

Juncus tiehmi Ertter TIEHM'S DWARF RUSH

Uncommon, vernal moist swales and ditches. May-Jun. Marble Lane, T22N R14E S13.

Juncus uncialis Greene INCH HIGH DWARF RUSH

Limited, vernal moist roadside ditches and low depressions. May-Jun. Marble Lane, T22N R14E S13.

Juncus xiphiodes E. Mey. IRIS LEAVED RUSH

Wet places. Jul-Oct. This taxon has been reported just to the W of Yuba Pass.

LUZULA Wood Rush***Luzula comosa*** E. Mey. var. *comosa* COMMON WOOD RUSH

Frequent, open woods and meadows. May-Aug. Sattley, T20N R14E S9.

Luzula divaricata S. Wats. FORKED WOOD RUSH

Subalpine forests and granitic slopes. Jun-Jul. To be looked for in the Yuba Pass and Coburn Lake areas as this taxon has been collected just to the west.

Luzula parviflora (Ehrh.) Desv. SMALL FLOWERED WOOD RUSH

Stream banks and springs. Jun-Aug. This taxon has been reported from just W of the Yuba Pass area.

Luzula spicata (L.) DC. SPIKED WOOD RUSH

Subalpine moist to wet places. Jul-Aug. This taxon has been reported just W of Yuba Pass.

Luzula subcongesta (S. Wats.) Jeps. DONNER WOOD RUSH

Local, usually above 6200', springs, seeps and stream banks. Jul-Aug. Coburn Lake, T20N R13E S25; Yuba Pass, T20N R13E S11.

JUNCAGINACEAE Arrow Grass Family**TRIGLOCHIN** Arrow Grass***Triglochin maritima*** L. SLENDER ARROW GRASS

Alkaline meadows. Apr-Aug. Sattley, T21N R14E S28.

Triglochin scilloides (Poir.) Hauman FLOWERING QUILLWORT

Limited, marshy and muddy places. May-Jul. Marble Lane, T22N R14E S13; Ramelli Ranch; T23N R14E S27; Calpine, T21N R14E S16 [= *Lilaea* s.].

LILIACEAE Lily Family**CALOCHORTUS** Star Tulip

Calochortus bruneanis A. Nels. & J.F. Macbr. GREAT BASIN MARIPOSA LILY
Very limited, slopes in sagebrush. May-Aug. Sugarloaf, T23N R15E S17.

Calochortus leichtlinii Hook. f. SIERRA MARIPOSA LILY
Common, sagebrush flats and open woods. May-Sep. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27; Antelope Valley, T21N R15E S28; Sugarloaf, T23N R15E S19.

ERYTHRONIUM Fawn Lily

Erythronium purpurascens S. Wats. FAWN LILY
Open forested or brushy slopes following melting snow banks. Apr-Jul. To be looked for in the Yuba Pass and Lincoln Ridge areas.

FRITILLARIA Fritillary

Fritillaria atropurpurea Nutt. PURPLE FRITILLARY
Fairly common, open to wooded slopes. May-Jul. Calpine, T21N R14E S16; Sierraville, T20N R14E S24.

Fritillaria pudica (Pursh) Spreng. YELLOW BELLS
Very common, sagebrush scrub and open wooded slopes. Mar-Jun. Calpine, T21N R14E S16; Newman Point, T21N R14E S25; Hwy 70 (The Buttes), T23N R15E S28; Dyson Lane (S of Hwy 70), T22N R15E S6.

Fritillaria recurva Benth. SCARLET FRITILLARY
Fairly common, dry woodlands. Apr-Jun. Sattley, T21N R14E S31; Ross Meadows, T23N R14E S33; Calpine, T21N R14E S17.

LILIUM Lily

Lilium pardalinum Kellogg subsp. *pardalinum* TIGER LILY
Hillside seeps, wet thickets and stream sides. May-Aug. Sattley, T20N R14E S9.

Lilium parvum Kellogg ALPINE LILY
Wet meadows and willow thickets. Jun-Aug. No known collections from the project area, but this taxon has been reported just to the south near Sardine Peak and also collected near Webber Lake. To be looked for in the higher elevations of project area.

Lilium washingtonianum Kellogg subsp. *washingtonianum* WASHINGTON LILY
Fairly common, brushy slopes. Jun-Aug. Sattley, T20N R14E S4; Sierraville, T20N R14E S13; Calpine, T21N R14E S18.

MELANTHIACEAE**TOXICOSCORDION** Death Camas

***Toxicoscordion paniculatus* (Nutt.) S. Wats. SAND CORN**

Common, open areas in sagebrush and woods. May-Jun. Calpine, T21N R14E S16; Frenchman Lake Road, T23N R16E S25; Sattley, T20N R14E S9; Hwy 70 (The Buttes), T23N R15E S28; Sugarloaf, T23N R15E S17 [= *Zigadenus p.*].

***Toxicoscordion venenosum* S. Wats. var. *venenosum* DEATH CAMAS**

Common, moist grassy areas and seeps. May-Jul. Yuba Pass, T20N R13E S11; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17 [= *Zigadenus v.* var. *v.*].

VERATRUM Corn Lily, False Hellebore***Veratrum californicum* Durand var. *californicum* CORN LILLY**

Common, wet meadows and seeps. Jul-Aug. Sattley, T20N R14E S9.

ORCHIDACEAE Orchid Family**CORALLORHIZA** Coral Root***Corallorhiza maculata* (Raf.) Raf. var. *maculata* SPOTTED CORAL ROOT**

Common, in deep duff of fir forests. Jun-Aug. Sattley, T20N R14E S9; Sierraville, T20N R14E S13.

GOODYERA***Goodyera oblongifolia* Raf. RATTLESNAKE PLANTAIN**

Common, drying woodland floors. May-Sep. Sattley (Chapman Saddle Road), T21N R14E S30; Calpine, T21N R14E S17.

LISTERA Twayblade***Listera convallarioides* (Sw.) Elliott BROAD LEAVED TWAYBLADE**

Fairly common, moist areas in alder and willow thickets. May-Aug. To be looked for in the Yuba Pass area.

PLATANTHERA Bog Orchid***Platanthera dilatata* (Pursh) L.C. Beck var. *leucostachys* (Lindl.) Luer SIERRA BOG ORCHID**

Common, springs and very wet meadows. May-Aug. Yuba Pass, T20N R13E S11; Sattley, T20N R14E S9.

***Platanthera sparsiflora* (S. Wats.) Schltr. SPARSE FLOWERED BOG ORCHID**

Fairly common, wet boggy meadows. May-Sep. Yuba Pass, T20N R13E S11.

SPIRANTHES Ladies Tresses***Spiranthes romanzoffiana* Cham. HOODED LADIES TRESSES**

Uncommon, wet boggy meadows. May-Sep. Yuba Pass, T20N R13E S11.

POACEAE Grass Family**AEGILOPS** Goatgrass

Aegilops cylindrica Host JOINTED GOATGRASS

Disturbed sites and fields. May-Jul. Reported from Beckwourth, T23N R14E S26.

AGROPYRON Wheatgrass*Agropyron cristatum* (L.) Gaertn. subsp. *pectinatum* (M. Bieb.) Tzvelev DESERT WHEAT GRASS, CRESTED WHEAT GRASS

Degraded agricultural lands. Used as a pasture mix in the past. Jun-Aug. 6 Mile Road (Co. Road A-24, 4 mi N of Loyalton), T22N R15E S25; Sugarloaf, T23N R15E S17.

AGROSTIS Bentgrass*Agrostis capillaris* L. COLONIAL BENTGRASS

Infrequent, moist disturbed areas. Jul-Sep. Beckwourth Sattley Road (S of Hwy 70), T23N R14E S35.

Agrostis exarata Trin. SPIKE BENTGRASS

Moist meadows and stream banks. Jun-Aug. Beckwourth Sattley Road (N of Sattley), T21N R14E S21.

Agrostis gigantea Roth GIANT BENTGRASS

Disturbed areas. Sometimes used for reseeding meadows. Jun-Sep. Marble Lane, T22N R15E S18; Sattley, T20N R14E S33.

Agrostis humilis Vasey MOUNTAIN BENT GRASS

Moist to dry subalpine meadows. Jul-Aug. This taxon has been collected just W of Yuba Pass.

Agrostis idahoensis Nash IDAHO BENTGRASS

Fairly common. Meadows, along streams and areas of late snow melt. Jul-Aug. To be looked for as this taxon is found just outside the project area on Sulphur Creek.

Agrostis oregonensis Vasey OREGON REDTOP

Moist meadows and stream banks. Jun-Jul. To be looked for as this taxon has been collected to the south of the project area in the Webber Lake area.

Agrostis pallens Trin. LEAFY BENTGRASS

Fairly common, drying meadows and woods. Apr-Aug. Ramelli Ranch, T23N R14E S27; Vinton, T23N R16E S34.

Agrostis variabilis Rydb. VARIABLE BENTGRASS

Rocky slopes and meadows. Jul-Aug. Coburn Lake, T20N R14E S29.

ALOPECURUS Foxtail*Alopecurus arundinaceus* L. CREEPING MEADOW FOXTAIL

The specimens cited seem to represent the first collections of this species in California (RENO29861 & CAS824085, W. & N. Harnach 56, 5 May 1989, Loyalton). Loyalton, T21N R15E S13.

Alopecurus aequalis Sobol. var. *aequalis* SHORT AWNED FOXTAIL

Fairly common, wet meadows and stream banks. May-Jul. Hwy 49 (S of Sattley), T20N R14E S9; Antelope Valley, T21N R15E S21; Sugarloaf, T23N R15E S17.

***Alopecurus carolinianus* Walt. CAROLINA FOXTAIL**

Locally frequent, wet meadows and disturbed river banks. Jun-Aug. Ramelli Ranch, T23N R14E S26; Marble Lane, T22N R15E S18.

***Alopecurus geniculatus* L. GENICULATE FOXTAIL**

Wet river banks. Jun-Aug. Ramelli Ranch, T23N R14E S28.

***Alopecurus pratensis* L. MEADOW FOXTAIL**

Locally common, meadows and pond edges. May-Jul. Heriot Lane, T22N R14E S28; Antelope Valley, T21N R15E S21.

***Alopecurus saccatus* Vasey PACIFIC FOXTAIL**

Uncommon, drying vernal areas. Mar-May. Antelope Valley, T21N R15E S21; Calpine, T21N R14E S15.

APERA***Apera interrupta* (L.) Beauv. DENSE SILKY BENT**

Uncommon, disturbed areas. Jun-Jul. Dyson Lane (S of Hwy 70), T22N R15E S6.

ARRHENATHERUM Oat Grass***Arrhenatherum elatius* (L.) J. Presl & C. Presl. TALL OAT GRASS**

Uncommon. Usually found in disturbed areas. May-Jul. Sugarloaf, T23N R15E S17; Doe Canyon (SE of Loyalton), T21N R16E S29.

AVENA Oat***Avena sativa* L. OATS**

Uncommon. Roadsides and old fields. Apr-Jun. Dyson Lane, T22N R16E S13.

BECKMANNIA Slough Grass***Beckmannia syzigachne* (Steud.) Beauv. AMERICAN SLOUGH GRASS**

Wet roadside ditches and sluggish waters. May-Jul. Marble Lane, T22N R14E S13; Beckwourth Sattley Road, T21N R14E S21; Ramelli Ranch, T23N R14E S27.

BROMUS Brome***Bromus carinatus* Hook.& Arn. var. *carinatus* CALIFORNIA BROME**

Dry open slopes. Apr-Aug. Sugarloaf, T23N R15E S19; Newman Point, T21N R14E S25; Yuba Pass, T20N R13E S11.

***Bromus carinatus* Hook.& Arn. var. *marginatus* (Steud.) Barkworth & Anderton MOUNTAIN BROME**

Dry open slopes. Apr-Aug. Loyalton, T21N R15E S13; Newman Point, T21N R14E S26; Beckwourth, T23N R14E S26.

***Bromus commutatus* Schrad. HAIRY CHESS, MEADOW BROME**

Disturbed areas. May-Jul. Sattley, T20N R14E S15; Marble Lane, T22N R15E S18; Ramelli Ranch, T23N R14E S27.

Bromus grandis (Shear) Hitchc. TALL BROME

Dry open areas. May-Jul. Reported from just W of Yuba Pass.

Bromus hordeaceus L. SOFT BROME

Uncommon. Disturbed areas. Apr-Jul. Heriot Lane (N of Hwy 49), T22N R15E S33; Sugarloaf, T23N R15E S17; Beckwourth, T23N R14E S26.

Bromus inermis Leyss. SMOOTH BROME

Fairly common, disturbed areas. May-Aug. Ramelli Ranch, T23N R14E S27; Dyson Lane, T22N R15E S13; Sugarloaf, T23N R15E S17.

Bromus japonicus Thunb. JAPANESE CHESS

Common, open ground and disturbed areas. May-Jul. Marble Lane, T22N R15E S18; Antelope Valley, T21N R15E S21.

Bromus laevipes Shear CHINOOK BROME

Uncommon, conifer forest and scrublands. May-Jul. Two records that just list "Sierra Valley", Plumas County.

Bromus orcuttianus Vasey ORCUTT'S BROME

Dry meadows, scrub and open forests. Jun-Jul. One record for Yuba Pass area (UCD59260, A.A. Beetle, #3041, Near summit of Yuba Pass, 6350 ft.) and one record for "mountains N of Sierra Valley".

Bromus porteri (J.M. Coult.) Nash NODDING BROME

Uncommon, shaded stream banks. Jun-Aug. Sattley, T20N R14E S9 [*B. anomalus*].

Bromus racemosus L. SMOOTH BROME

Uncommon, disturbed areas. Jun-Aug. Ramelli Ranch, T23N R14E S26.

Bromus secalinus L. RYE BROME

Uncommon, disturbed areas. May-Jul. Two collections for Sierra Valley; Loyalton (CAS977420) and Vinton (SEINET187873).

Bromus tectorum L. CHEAT GRASS

Common, disturbed areas and burns. May-Aug. Calpine, T21N R14E S16; Newman Point, T21N R14E S25; Antelope Valley, T21N R15E S21.

Bromus vulgaris (Hook.) Shear COLUMBIA BROME

Open rocky woodlands. May-Aug. Chapman Saddle Road (southwest of Calpine), T21N R13E S26.

CALAMAGROSTIS Reed Grass***Calamagrostis stricta*** (Timm) Koeler subsp. *inexpansa* (A. Gray) C.W. Greene NARROW SPIKED REED GRASS

Uncommon, wet meadows and marshlands. Jun-Aug. Marble Lane, T22N R15E S18.

CINNA Woodreed***Cinna latifolia*** (Gopp.) Griseb. DROOPING WOODREED

Wet meadows and stream banks. Jul-Aug. To be looked for in the Yuba Pass areas as this taxon has been collected just to the west.

CRYPISIS Prickle Grass*Crypsis alopecuroides* (Piller & Mitterp.) Schrad. FOXTAIL SWAMP GRASS

Fairly common, roadside ditches and river margins. Jun-Oct. Ramelli Ranch, T23N R14E S26; Beckwourth Sattley Road (S of Hwy 70), T23N R41E S35.

Crypsis schoenoides (L.) Lam. SWAMP GRASS

Fairly common, roadside ditches and river banks. Jun-Oct. Ramelli Ranch, T23N R14E S27.

DACTYLIS Orchard Grass*Dactylis glomerata* L. ORCHARD GRASS

Occasional, edges of old fields and seeded pastures. May-Aug. Loyaltan, T21N R15E S13.

DANTHONIA Oatgrass*Danthonia californica* Bol. CALIFORNIA OATGRASS

Uncommon, moist slopes and drying meadow edges. May-Jul. Knuthson Meadows, T21N R14E S5.

Danthonia unispicata (Thurb.) Vasey ONE FLOWERED OATGRASS

Common, drying flats. May-Jul. Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

DESCHAMPSIA Hair Grass*Deschampsia cespitosa* (L.) P. Beauv. var. *cespitosa* TUFTED HAIR GRASS

Common, wet meadows and river banks. Jul-Aug. Beckwourth Sattley Road (N of Sattley), T21N R14E S33; Ramelli Ranch, T23N R14E S26.

Deschampsia danthonioides (Trin.) Munro ANNUAL HAIR GRASS

Common, moist swales and pools. Apr-Aug. Sattley, T20N R14E S4; Ramelli Ranch, T23N R14E S27; Sugarloaf, T23N R15E S17.

Deschampsia elongata (Hook.) Munro SLENDER HAIR GRASS

Wet meadows and streams. May-Sep. This taxon has been reported just W of Yuba Pass.

DISTICHLIS Salt Grass*Distichlis spicata* (L.) Greene DESERT SALT GRASS

Common, subalkaline areas. Apr-Sep. Beckwourth Sattley Road (N of Sattley), T21N R14E S28; Dyson Lane (S of Hwy 70), T22N R15E S6; Marble Lane, T22N R14E S13.

ECHINOCHLOA Barnyard Grass*Echinochloa muricata* (P. Beauv.) Fernald var. *microstachya* Wieg. BARNYARD GRASS

Uncommon, wet ditches and river edges. Jun-Oct. Ramelli Ranch, T23N R14E S27.

ELYMUS Wild Rye*Elymus caput-medusae* L. MEDUSA HEAD

Common, disturbed areas. Apr-Jul. Ramelli Ranch, T23N R14E S27; Frenchman lake Road, T23N R16E S10; Sugarloaf, T23N R15E S17 [= *Taeniatherum* c.].

Elymus cinereus Scribn. & Merr. BASIN WILD RYE

Sagebrush slopes and flats. Jun-Aug. Hwy 49 (S of Vinton), T22N R16E S8; Beckwourth Sattley Road, T22N R14E S34; Sugarloaf, T23N R15E S17 [= *Leymus c.*].

Elymus condensatus J. Presl GIANT WILD RYE

Scattered, sagebrush scrub. Jun-Aug. Sugarloaf, T23N R15E S20 [= *Leymus c.*].

Elymus elymoides (Raf.) Swezey var. ***brevifolius*** (J.G. Sm.) Dorn SHORT LEAVED SQUIRRELTAIL

Scattered, open sagebrush scrub. Jul-Aug. Beckwourth, T23N R14E S26; Loyalton, T21N R15E S17.

Elymus elymoides (Raf.) Swezey var. ***californicus*** (J.G. Sm.) J.P. Sm. CALIFORNIA SQUIRRELTAIL

Open dry areas. Jul-Aug. Reported just W of Yuba Pass and collected to the N in Red Clover Valley.

Elymus elymoides (Raf.) Swezey var. ***elymoides*** SQUIRRELTAIL

Common, drying flats and slopes. Jun-Aug. Beckwourth Sattley Road (S of Hwy 70), T22N R14E S12; Calpine, T21N R14E S16 [= *Sitanion hystrix*].

Elymus glaucus Buckley subsp. ***glaucus*** BLUE WILD RYE

Fairly common, openings in sagebrush and woods. Jun-Aug. Sierraville, T20N R14E S13; Beckwourth Sattley Road (N of Sattley), T21N R14E S33; Frenchman Lake Road, T23N R16E S10; Sugarloaf, T23N R15E S17.

Elymus hispidus (Opiz) Melderis INTERMEDIATE WHEATGRASS

Scattered, roadsides. Jun-Aug. Vinton, T23N R16E S34; Ramelli Ranch, T23N R14E S27.

Elymus lanceolatus (Scribn. & J.G. Sm.) Gould subsp. ***lanceolatus*** THICKSPIKE WHEATGRASS

Uncommon, valley floors and open woodlands. Jun-Sep. Dyson Lane, T22N R16E S13.

Elymus multisetus (J.G. Sm.) Burt Davy BIG SQUIRRELTAIL

Scattered, open flats. May-Jul. Beckwourth, T23N R14E S26.

Elymus ponticus (Podp.) N. Snow TALL WHEATGRASS

Disturbed roadsides. Jun-Jul. Chilcoot, T23N R16E S36; Loyalton (4 mi N of on Co. Rd A-24), T22N R15E S25; Dyson Lane, T22N R15E S13; Sugarloaf, T23N R15E S17 [= *Elytrigia elongata*].

Elymus repens (L.) Gould QUACK GRASS

Disturbed areas and fields. Apr-Aug. Loyalton, T22N R15E S18; Calpine, T21N R14E S28.

Elymus smithii (Rydb.) Gould WESTERN WHEAT GRASS

Uncommon, dry subalkaline soil. Vinton (S on Hwy. 49), T22N R16E S8.

Elymus trachycaulus (Link) Shinnars subsp. ***trachycaulus*** SLENDER WHEATGRASS

Uncommon, roadsides and old fields. Jun-Aug. Dyson Lane, T22N R16E S13 [= *Agropyron t.*].

Elymus triticooides Buckley BEARDLESS WILD RYE

Common, saline meadows. Jun-Jul. Vinton, T23N R16E S34; Marble Lane, T22N R14E S13; The Buttes, T23N R15E S28; Loyalton, T22N R15E S13.

ERAGROSTIS Lovegrass

Eragrostis cilianensis (All.) Janch. STINK GRASS

Disturbed roadside ditch, uncommon. Jun-Oct. Marble Lane, T22N R15E S17.

Eragrostis mexicana (Hornem.) Link subsp. *virescens* (J. Presl) S.D. Koch & Sánchez Vega
MEXICAN LOVEGRASS

Wet roadside ditches and stream banks. May-Oct. Frenchman Lake Road, T23N R16E S11.

Eragrostis pectinacea (Michx.) Nees var. *pectinacea* CAROLINA LOVE GRASS

Disturbed roadside ditch, uncommon. Jul-Nov. Marble Lane, T22N R15E S17.

FESTUCA Fescue

Festuca arundinacea Schreb. TALL FESCUE

Disturbed areas and fields. Used in pasture mixes. May-Jun. Sugarloaf, T23N R15E S17.

Festuca bromoides L. BROME FESCUE

Sagebrush scrub. Apr-Jun. One record for Sierra Valley (UCD93556, J.G. Lemmon, s.n., May 20 1889) [= *Vulpia b*].

Festuca idahoensis Elmer IDAHO FESCUE

Common, open woodlands and sagebrush. Jul-Sep. Sugarloaf, T23N R15E S17; Calpine, T21N R14E S16; Beckwourth Sattley Road, T21N R14E S9.

Festuca microstachys Nutt. SMALL FESCUE

Fairly frequent, generally sandy areas. Apr-Jun. Frenchman Lake Road, T23N R16E S24; The Buttes, T23N R15E S28 [= *Vulpia m*].

Festuca occidentalis Hook. WESTERN FESCUE

Open conifer forest. Apr-Jul. Two records for Sierra Valley with unknown collectors (UCD66165 & UCD66171).

Festuca pratensis Huds. MEADOW FESCUE

Disturbed areas and meadows. May-Jul. Chilcoot, T23N R16E S11 [= *Schedonorus p*].

Festuca rubra L. RED FESCUE

Sand dunes and grasslands. May-Jul. One record for Sierra Valley (UCD66363, unknown collector, #4652, Sierra Valley, Plumas Co.).

Festuca subulata Trin. BEARDED FESCUE

Moist meadows and open forest. Jun-Aug. To be looked for in the Yuba Pass area (UCD66432, A.A. Beetle 3044, Aug. 17, 1944, near summit of Yuba Pass, 6350 ft.).

Festuca viridula Vasey GREEN FESCUE

Subalpine meadows and open forest. Jun-Aug. To be looked for in the Yuba Pass area.

GLYCERIA Manna Grass

Glyceria borealis (Nash) Batch. NORTHERN MANNA GRASS

Common, wet places and stream margins. Jun-Aug. Marble Lane, T22N R15E S18; Loyaltan, T21N R15E S13.

***Glyceria elata* (Rydb.) M.E. Jones FOWL MANNA GRASS**

Fairly common, meadows and spring areas. Jul-Aug. Calpine, T21N R14E S19; Sattley, T20N R14E S9.

***Glyceria striata* (Lam.) Hitchc. MANNA GRASS**

Fairly common, meadows and spring areas. Jul-Aug. Sattley, T20N R14E S9.

HOLCUS Velvet Grass***Holcus lanatus* L. COMMON VELVET GRASS**

Uncommon, wet meadows. Jun-Aug. Sattley, T20N R14E S9.

HORDEUM Barley***Hordeum brachyantherum* Nevski subsp. *brachyantherum* MEADOW BARLEY**

Common, moist areas. May-Aug. Ramelli Ranch, T23N R14E S27; Marble Lane, T22N R14E S13; Knuthson Meadows, T21N R14E S5; Sugarloaf, T23N R15E S17.

***Hordeum jubatum* L. subsp. *jubatum* FOXTAIL BARLEY**

Common, moist disturbed areas. May-Jul. Sugarloaf, T23N R15E S17; Dyson Lane (W of Hwy 49), T22N R16E S18; Calpine, T21N R14E S22.

***Hordeum marinum* Huds. subsp. *gussoneanum* (Parl.) Thell. MEDITERRANEAN BARLEY**

Fairly common, wet subalkaline areas. Apr-Jun. Vinton, T23N R16E S34; Marble Lane, T22N R14E S13 [= *H. geniculatum*].

***Hordeum murinum* L. MOUSE BARLEY**

Fairly common, old fields and waste places. Apr-Jul. Sugarloaf, T23N R15E S17.

KOELERIA Jun Grass***Koeleria macrantha* (Ledeb.) Schult. JUN GRASS**

Fairly common, dry open areas. May-Jul. Ramelli Ranch, T23N R14E S27; Frenchman Lake Road, T23N R16E S30.

MELICA Onion Grass***Melica bulbosa* Porter & J.M. Coult. WESTERN ONION GRASS**

Meadows and moist to drying slopes. Jul-Aug. Antelope Valley, T21N R15E S28; Sugarloaf, T23N R15E S17.

***Melica fugax* Bol. SMALL ONION GRASS**

Dry open wooded slopes. May-Jul. Calpine, T21N R14E S16; Vinton, T23N R16E S35; Sugarloaf, T23N R15E S17.

***Melica stricta* Bol. NODDING ONION GRASS**

Widely scattered, rocky areas. Jun-Aug. Sugarloaf, T23N R15E S17.

***Melica subulata* (Griseb.) Scribn. ALASKAN ONION GRASS**

Shaded woods. Apr-Jul. This taxon has been reported from just W of Yuba Pass.

MUHLENBERGIA Muhly Grass***Muhlenbergia andina*** (Nutt.) Hitchc. FOXTAIL MUHLY

Wet meadows and stream banks. Jul-Sep. Yuba Pass, T20N R13E S11.

Muhlenbergia asperifolia (Trin.) Parodi SCRATCHGRASS

Uncommon, hot wells, subalkaline areas and wet muddy areas. Jul-Oct. Marble Lane, T22N R14E S13; Hwy 49 (S of Vinton), T22N R16E S4.

Muhlenbergia filiformis (S. Wats.) Rydb. SLENDER MUHLY

Common, seeps, springs and vernal areas. May-Aug. Calpine, T21N R16E S16; Beckwourth Sattley Road (N of Sattley), T21N R14E S22; Yuba Pass, T20N R13E S14.

Muhlenbergia richardsonis (Trin.) Rydb. MATTED MUHLY

Common, moist to dry meadows. Jun-Aug. Sugarloaf, T23N R15E S17; Marble Lane, T22N R14E S13; Calpine, T21N R14E S16; Ramelli Ranch, T23N R14E S26; Loyalton, T21N R15E S13; Mapes Canyon, T23N R14E S3.

PANICUM Panicgrass***Panicum capillare*** L. OLD WITCH GRASS

Uncommon, wet waste places. Mar-Nov. Dyson Lane, T22N R15E S14; Loyalton, T21N R15E S13; Ramelli Ranch, T23N R14E S26.

PHLEUM Timothy***Phleum alpinum*** L. MOUNTAIN TIMOTHY

Wet meadows and stream banks. Jul-Aug. Yuba Pass, T20N R13E S11.

Phleum pratense L. COMMON TIMOTHY

Scattered, meadows. May-Jun. Sierraville, T20N R14E S14; Loyalton, T21N R15E S12.

POA Bluegrass***Poa bolanderi*** Vasey BOLANDER'S BLUE GRASS

Mountains and open pine forests. Jun-Aug. Yuba Pass, T20N R13E S11.

Poa bulbosa L. BULBOUS BLUE GRASS

Common, found throughout the valley.

Poa compressa L. CANADIAN BLUE GRASS

Common, dry meadows. Apr-Aug. Ramelli Ranch, T23N R14E S27; Knuthson Meadows, T21N R14E S5; Sierraville, T20N R14E S14.

Poa cusickii Vasey subsp. *cusickii* CUSICK'S BLUE GRASS

Uncommon, dry meadows, sagebrush scrub and rocky slopes. May-Jul. Vinton, T23N R16E S33.

Poa cusickii Vasey subsp. *epilis* (Scribn.) W.A. Weber CUSICK'S BLUE GRASS

Uncommon, dry meadows, sagebrush scrub and rocky slopes. Jun-Aug. Vinton, T23N R16E S33.

Poa fendleriana (Steud.) Vasey subsp. *longiligula* (Scribn. & T.A. Williams) Soreng
MUTTONGRASS

Common, rocky slopes. Apr-Jul. Sugarloaf, T23N R15E S17; Newman Point, T21N R14E S25; Frenchman Lake Road, T23N R16E S25.

Poa glauca Vahl subsp. *rupicola* (Rydb.) W.A. Weber TIMBERLINE BLUE GRASS

Uncommon, rocky slopes. Normally found at much higher elevations. Jul-Sep. Antelope Valley, T21N R15E S28.

Poa palustris L. FOWL BLUE GRASS

Common, moist or drying meadows and stream banks. May-Sep. Beckwourth Sattley Road (N of Sattley), T21N R14E S22.

Poa pratensis L. subsp. *pratensis* KENTUCKY BLUE GRASS

Frequent, open woods, stream banks and meadows. Apr-Jul. Sierraville, T20N R14E S24; Sugarloaf, T23N R15E S17; Hwy 49 (W of Sattley), T21N R14E S31.

Poa secunda J. Presl subsp. *juncifolia* (Scribn.) Soreng RUSH BLUE GRASS

Moist subalkaline and sagebrush flats. Apr-Jul. Marble Lane, T22N R15E S18; Sugarloaf, T23N R25E S17.

Poa secunda J. Presl subsp. *secunda* SANDBERG'S BLUE GRASS

Common, dry meadows and sagebrush flats. Apr-Aug. Sugarloaf, T23N R15E S17; Ramelli Ranch, T23N T14E S27; Newman Point, T21N R14E S25; Sattley, T21N R14E S33.

Poa trivialis L. ROUGH BLUE GRASS

Common, drying meadows. Apr-Aug. Yuba Pass, T20N R13E S11.

Poa wheeleri Vasey WHEELER'S BLUE GRASS

Uncommon, open woodlands. May-Aug. Sugarloaf, T23N R15E S17; Hwy 49 (W of Sattley), T21N R14E S31.

POLYPOGON Beard Grass

Polypogon maritimus Willd. MEDITERRANEAN BEARD GRASS

Wet meadows and roadside ditches. May-Jul. One record for Sierra Valley (CAS856181, Greg Sommers, #169, Jul 20, 1976). Marble Lane, T22N R14E S13.

Polypogon monspeliensis (L.) Desf. ANNUAL BEARD GRASS

Common, moist areas and roadside ditches. Apr-Aug. Marble Lane, T22N R14E S13; Ramelli Ranch, T23N R13E S27.

PUCCINELLIA Alkali Grass

Puccinellia distans (Jacq.) Parl. EUROPEAN ALKALI GRASS

Saline meadows and alkali areas. Jun-Jul. Vinton, T23N R16E S34; The Buttes, T23N R15E S35; Sattley, T21N R14E S28; Marble Lane, T22N R15E S18.

Puccinellia lemmonii (Vasey) Scribn. LEMMON'S ALKALI GRASS

Common, subalkaline areas. May-Aug. Marble Lane, T22N R14E S13; Co. Rd. A-24 (N of Loyalton), T22N R15E S36; Hwy 70, T23N R15E S35.

Puccinellia nuttalliana (Schult.) Hitchc. NUTTALL'S ALKALI GRASS

Uncommon, wet grassy areas. Jun-Sep. Marble Lane, T22N R14E S13.

SECALE Rye***Secale cereale*** L. RYE

Common, roadsides and old fields. May-Jul. Hwy 49 (S of Vinton), T22N R16E S8; Sugarloaf, T23N R15E S17; Calpine, T21N R14E S16.

SETARIA Bristle Grass***Setaria viridis*** (L.) P. Beauv. GREEN BRISTLE GRASS

Uncommon, moist meadows. May-Oct. Calpine, T21N R14E S17.

SPOROBOLUS Dropseed***Sporobolus cryptandrus*** (Torr.) A. Gray SAND DROPSEED

Uncommon, roadside ditches. Apr-Aug. Dyson Lane, T22N R15E S13; Beckwourth Pass, T22N R17E S6.

STIPA Needle Grass***Stipa comata*** Trin. & Rupr. var. *comata* NEEDLE AND THREAD

Common, dry sagebrush lands. May-Jul. Vinton, T23N R16E S22; Hwy 49 (S of Vinton), T22N R16E S9; Sugarloaf, T23N R15E S17; Beckwourth, T23N R14E S26 [= *Achnatherum c.* var. *c.*].

Stipa hymenoides Roem. & Schult. INDIAN RICEGRASS

Scattered, limited to N and E side of the valley, dry sandy places. Jun-Jul. Dyson Lane, T22N R15E S16; Beckwourth Pass, T22N R17E S6; Vinton, T23N R16E S22; Sugarloaf, T23N R15E S17 [= *Achnatherum h.*].

Stipa lemmonii (Vasey) Barkworth var. *lemmonii* LEMMON'S NEEDLE GRASS

Fairly frequent, rocky and open sandy slopes. May-Jul. Sierraville, T20N R14E S24; Newman Point, T21N R14E S25; Sattley, T21N R14E S33 [= *Achnatherum l.* subsp. *l.*].

Stipa lepida Hitchc. FOOTHILL NEEDLE GRASS

Uncommon, dry slopes and grasslands. Apr-Jun. Ramelli Ranch, T23N R14E S27 [= *Nassella l.*].

Stipa lettermanii Vasey LETTERMAN'S NEEDLE GRASS

Limited, openings in woods. May-Aug. Ross Meadows, T23N R14E S34; Antelope Valley, T21N R15E S28 [= *Achnatherum l.*].

Stipa nelsonii Scribn. var. *dorei* (Barkworth & J.R. Maze) Dorn MOUNTAIN NEEDLE GRASS

Fairly common, openings in brush and dry meadows. Jun-Sep. Beckwourth, T23N R14E S26 [= *Achnatherum n.* subsp. *d.*].

Stipa occidentalis S. Wats. var. *californica* (Merr. & Burt Davy) C.L. Hitchc. CALIFORNIA GRASS

Frequent, open slopes and woods. May-Aug. Dyson Lane, T22N R15E S6; Sattley, T20N R14E S9 [= *Achnatherum o.* subsp. *c.*].

***Stipa occidentalis* S. Wats. var. *occidentalis* WESTERN NEEDLE GRASS**

Fairly common, open dry sites. Jun-Aug. Hwy 49 (W of Sattley), T21N R14E S31 [= *Achnatherum o. subsp. o.*].

***Stipa occidentalis* S. Wats. var. *pubescens* (Vasey) J.R. Maze et. al. PUBESCENT WESTERN NEEDLE GRASS**

Fairly common, open slopes and flats. May-Aug. Dyson Lane, T22N R16E S33; Hwy 49 (W of Sattley), T21N R14E S31; Beckwourth, T23N R14E S26 [= *Achnatherum o. subsp. p.*].

***Stipa thurberiana* Piper THURBER'S NEEDLE GRASS, NEEDLE & THREAD**

Sagebrush scrub. May-Jul. Vinton, T23N R16E S28; Antelope Valley, T21N R15E S28 [= *Achnatherum t.*].

***Stipa webberi* (Thurb.) B.L. Johnson WEBBER'S NEEDLE GRASS**

Volcanic outcrops on ridges and dry openings in sagebrush. May-Jul. No confirmed collections for the Sierra Valley region but this taxon has been collected just outside the project area [= *Achnatherum w.*].

TORREYOCHLOA***Torreyochloa pallida* (Torr.) G.L. Church var. *pauciflora* (J. Presl) J.I. Davis WEAK MANNA GRASS**

Uncommon, wet banks and shallow water. Jul-Sep. Coburn Lake, T20N R14E S29.

TRisetum False Oat***Trisetum canescens* Buckley NODDING OAT GRASS**

Common, wet meadows. May-Aug. Yuba Pass, T20N R13E S14.

***Tristemum projectum* Louis-Marie Per. INTERRUPTED FALSE OAT**

Meadows, stream banks and dry open forest. Jul-Sep. Yuba Pass, T20N R13E S14.

***Tristemum spicatum* (L.) K. Richt. SPIKE FALSE OAT**

Moist meadows and conifer forest. Jul-Aug. Reported from just W of Yuba Pass.

POTAMOGETONACEAE Pondweed**POTAMOGETON Pondweed*****Potamogeton epihydus* Raf. NUTTALL'S RIBBON-LEAVED PONDWEED**

Limited, shallow water. CRPR 2B. Jul-Aug. Snow Lake (N of Chilcoot), T23N R17E S6.

***Potamogeton foliosus* Raf. subsp. *foliosus* LEAFY PONDWEED**

Uncommon, ponds and roadside ditches. Jul-Oct. Sierraville, T20N R14E S11; Sattley, T21N R14E S33.

***Potamogeton gramineus* L. GRASS LEAVED PONDWEED**

Uncommon, ponds and marshes. Jul-Aug. Calpine, T21N R14E S16; Marble Lane, T22N R14E S13.

***Potamogeton natans* L. FLOATING LEAVED PONDWEED**

Fairly common, ponds and roadside ditches. Jun-Aug. Sattley, T21N R14E S33; Hwy 49 (between Sattley and Sierraville), T20N R14E S11; Beckwourth, T23N R14E S26.

***Potamogeton nodosus* Poir. LONG LEAVED PONDWEED**

Shallow water and ponds. Jun-Jul. Marble Lane, T22N R15E S18; Hwy 49 (W of Sierraville), T20N R14E S12.

***Potamogeton pusillus* L. SMALL PONDWEED**

Sluggish water and shallow ponds. May-Jun. Marble Lane, T22N R14E S13.

STUCKENIA Pondweed***Stuckenia filiformis* (Pers.) Borner subsp. *alpina* (Blytt) R.R. Haynes et. al. NARROW LEAVED PONDWEED**

Uncommon, slow moving water and shallows. May-Jul. Ramelli Ranch, T23N R14E S26.

RUSCACEAE Butcher's Broom**MAIANTHEMUM** False Solomon Seal***Maianthemum racemosum* (L.) Link WESTERN SOLOMON SEAL**

Fairly common, shaded woods. Mar-Jul. Sattley, T21N R14E S30; Yuba Pass, T20N R13E S11 [= *Smilacina r.*].

THEMIDACEAE Brodiaea Family**BRODIAEA*****Brodiaea elegans* Hoover subsp. *elegans* ELEGANT BRODIAEA**

Local, heavy soils of open or wooded slopes and flats. May-Jul. Sattley, T21N R14E S33.

***Brodiaea minor* (Benth.) S. Wats. DWARF BRODIAEA**

Uncommon, clay soils. Apr-Jul. Beckwourth Sattley Road, T21N R14E S9.

DICHELOSTEMMA Wild Hyacinth***Dichelostemma multiflorum* (Benth.) A. Heller WILD HYACINTH**

Uncommon, rocky volcanic slopes. May-Jun. Calpine, T21N R14E S18.

MUILLA***Muilla transmontana* Greene TRANSMONTANE MUILLA**

Local, openings in the sagebrush. May-Jun. Beckwourth Pass, T22N R17E S6; Hwy 70, T23N R15E S35; Frenchman Lake Road, T23N R16E S24.

TRITELEIA***Triteleia bridgesii* (S. Wats.) Greene BRIDGE'S TRITELEIA**

Normally below 4000 feet, woods and open slopes. Apr-Jun. One collection for Sierra Valley (UC333357, Lemmon, Jul 1883).

***Triteleia hyacinthina* (Lindl.) Greene WILD HYACINTH**

Common, vernal moist slopes, meadows and stream banks. Apr-Jul. Calpine, T21N R14E S17; Sugarloaf, T23N R15E S17.

Triteleia ixioides (W.T. Aiton) Greene subsp. *anilina* (Greene) L.W. Lenz MOUNTAIN PRETTY FACE

Common, shady to open sandy and rocky areas. May-Jul. Yuba Pass, T20N R13E S11.

Triteleia laxa Benth. ITHURIEL'S SPEAR

Open forest and woodlands on clay soils. Apr-Jun. One record for Sierra Valley (UC367045, J.G. Lemmon & Wife, Jun 1883, Sierra and Indian Valley).

TOFIELDIACEAE

TRIANTHA

Triantha occidentalis (S. Wats.) R.R. Gates subsp. *occidentalis* WESTERN TOFIELDIA

Locally frequent, very wet meadows and fens. Jul-Aug. Yuba Pass, T20N R13E S11 [= *Tofieldia o.* subsp. *o.*].

THYPHACEAE Cattail Family

SPARGANIUM Bur-Reed

Sparganium angustifolium Michx. NARROW-LEAVED BUR-REED

Slow moving waters. Jun-Aug. Ramelli Ranch, T23N R14E S26.

Sparganium emersum Rehmman EMERSED BUR REED

Fairly common. Ponds, marshes and slow moving water. Summer. Marble Lane, T22N R15E S18; Ramelli Ranch, T23N R14E S27; Hwy 49, T20N R14E S11.

Sparganium eurycarpum A. Gray var. *eurycarpum* TRUNCATE FRUITED BUR REED

Uncommon, marshlands. Jun-Aug. Marble Lane, T22N R15E S18.

TYPHA Cattail

Typha latifolia L. BROAD LEAVED CATTAIL

Common, wet roadside ditches. May-Jul. Sierraville, T20N R14E S13; Calpine, T21N R14E S17; Marble Lane, T22N R14E S13; Sugarloaf, T23N R15E S17.

ZANNICHELLIACEAE Horned Pondweed Family

ZANNICHELLIA

Zannichellia palustris L. HORNED PONDWEED

Uncommon, slow streams and ponds. Apr-Oct. Dyson Lane, T22N T16E S18; Ramelli Ranch, T23N R14E S27.

ACKNOWLEDGEMENTS

This checklist would not be possible without the dedication of all the collectors who have traveled through the Sierra Valley region. Their data has been crucial to this compilation. As with any work of this kind, this is an organic document subject to change at any given moment as new data and collections become available.

First and foremost I have to thank my wife Nancy, who has put up with my endless hours in front of a computer while compiling this checklist. She has kept me fed and has been a constant in my life that has made all things possible. In the field you couldn't ask for better person to work with

and frankly her memory is far better than mine and can pull up things that I thought were totally forgotten — the who, what, when's, and where's that are so vital to putting this together. Another plus is her encyclopedic knowledge of the families of the Sierra Valley region, since she has lived in Sierra Valley virtually all her life and is descended from early Swiss who settled in the valley in the 1880's.

Thank you Jim Steele, former director of the Sierra Nevada Field Campus, for the idea of creating a flora of Sierra Valley. His encouragement has been crucial in the development of this work and his friendship over the years is one that my wife and I have cherished.

Arnold Tiehm, curator of the University of Nevada Reno Herbarium (RENO), has been my mentor in the area of plant identification and my go to person when I have been stumped. His expertise in the flora of the Great Basin has been invaluable and his able proofreading has made for the much cleaner document that you see today.

Jeff Greenhouse of the Jepson Herbarium deserves a special thank you as he was the person who proof read and edited the original manuscript. This was the plant list that was put together for the 2008 Jepson Herbarium workshop "The Flora of Sierra Valley".

Glenn Clifton's "*Plumas County and Plumas National Forest Flora*" was the inspiration for the format of this work. A plus was the field work and research he has done in the Sierra Valley region, as he has collected or documented plants that are not documented elsewhere.

Dr. Robert Patterson, California State University San Francisco, introduced me to computer database programming in the early 1990's which allowed me to easily derive the data from my collections into this work as well as create herbarium labels for all of our specimens.

The California Consortium of Herbariums and CalFlora have both been invaluable reference sources that have also made this checklist possible.

A special thanks to my grandson, Duncan Kennedy, for providing the information on the biggest of the big trees of the Sierra Valley region (<https://sierracountybigtrees.wordpress.com>).

Many thanks to all of the landowners for allowing my wife and I to spend many hundreds of wonderful hours exploring their lands and learning the history of the ground and for the hours and days of collecting and exploration to come. They are the most valuable resource we have.

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