

Table S1. Vascular plant taxa of Sacatara Canyon, Tejon Ranch (Kramer Botanical 2019).

Grasses (native)			
Count	Scientific name	Family	Common name
1	<i>Distichlis spicata</i> (L.) Greene	Poaceae	Salt grass
2	<i>Elymus condensatus</i> J. Presl	Poaceae	Giant wild rye
3	<i>Elymus elymoides</i> (Raf.) Swezey var. <i>californicus</i> (J. G. Sm.) J.P. Sm.	Poaceae	Squirrel tail grass
4	<i>Elymus triticoides</i> Buckley	Poaceae	Beardless wild rye
5	<i>Festuca microstachys</i> Nutt.	Poaceae	Small fescue
6	<i>Hordeum brachyantherum</i> Nevski	Poaceae	Meadow barley
7	<i>Muhlenbergia asperifolia</i> (Nees & Meyen ex Trin.) Parodi	Poaceae	Scratchgrass
8	<i>Muhlenbergia rigens</i> (Benth.) Hitchc	Poaceae	Deergrass
9	<i>Poa secunda</i> J. Presl ssp. <i>secunda</i>	Poaceae	One sided bluegrass
10	<i>Stipa speciosa</i> Trin. & Ropr.	Poaceae	Desert needle grass
Grasses (non-native)			
Count	Scientific name	Family	Common name
1	<i>Bromus arenarius</i> Labill.	Poaceae	Australian brome
2	<i>Bromus diandrus</i> Roth	Poaceae	Ripgut brome
3	<i>Bromus hordeaceus</i> L.	Poaceae	Soft brome
4	<i>Bromus rubens</i> L.	Poaceae	Foxtail brome
5	<i>Bromus tectorum</i> L.	Poaceae	Cheatgrass
6	<i>Festuca myuros</i> L.	Poaceae	Rattail sixweeks grass
7	<i>Festuca perennis</i> (L.) Columbus & J. P. Sm.	Poaceae	Italian rye grass
8	<i>Hordeum marinum</i> Huds. ssp. <i>gussoneanum</i> (Parl.) Thell	Poaceae	Mediterranean barley
9	<i>Hordeum murinum</i> L. ssp. <i>leporinum</i> (Link) Arcang.	Poaceae	Wall barley
10	<i>Poa annua</i> L.	Poaceae	Annual bluegrass
11	<i>Poa bulbosa</i> L.	Poaceae	Bulbous bluegrass
12	<i>Polypogon interruptus</i> Kunth	Poaceae	Ditch beard grass
13	<i>Polypogon monspeliensis</i> (L.) Desf.	Poaceae	Annual beard grass
14	<i>Polypogon viridis</i> (Gouan) Breister.	Poaceae	Water beard grass
15	<i>Schismus arabicus</i> Nees	Poaceae	Arabian schismus

Forbs/herbs (native)

Count	Scientific name	Family	Common name
1	<i>Acmispon americanus</i> (Nutt.) Rydb. var. <i>americanus</i>	Fabaceae	American bird's foot trefoil
2	<i>Acmispon strigosus</i> (Nutt.) Brioullet	Fabaceae	Strigose lotus
3	<i>Amaranthus blitoides</i> S. Watson	Amaranthaceae	Mat amaranth
4	<i>Amsinckia intermedia</i> Fisch. & C. A. Mey.	Boraginaceae	Common fiddleneck
5	<i>Amsinckia tessellata</i> A. Gray var. <i>tessellata</i>	Boraginaceae	Bristly fiddleneck
6	<i>Anemopsis californica</i> (Nutt.) Hook. & Am.	Saururaceae	Yerba mansa
7	<i>Anisocoma acaulis</i> Torr. & A. Gray	Asteraceae	Scalebud
8	<i>Argemone munita</i> Durand & Hilg.	Papaveraceae	Prickly poppy
9	<i>Artemisia douglasiana</i> Besser	Asteraceae	California mugwort
10	<i>Artemisia dracunculus</i> L.	Asteraceae	Herbaceous sagewort
11	<i>Asclepias fascicularis</i> Decne.	Apocynaceae	Narrow leaf milkweed
12	<i>Astragalus douglasii</i> (Torr. & A. Gray) A. Gray var. <i>douglasii</i>	Fabaceae	Douglas's milk vetch
13	<i>Astragalus purshii</i> Douglas var. <i>tinctus</i> M. E. Jones	Fabaceae	Pursh's milk vetch
14	<i>Berula erecta</i> (Huds.) Colville	Apiaceae	Cut leaved water parsnip
15	<i>Calandrinia menziesii</i> (Hook.) Torr. & A. Gray	Montiaceae	Red maids
16	<i>Calochortus palmeri</i> S. Watson var. <i>palmeri</i>	Liliaceae	Palmer's mariposa lily
17	<i>Calyptridium monandrum</i> Nutt.	Montiaceae	Common pussypaws
18	<i>Calystegia occidentalis</i> (A. Gray) Brummitt	Convolvulaceae	Western morning glory
19	<i>Camissonia campestris</i> (Greene) P. H. Raven ssp. <i>campestris</i>	Onagraceae	Field sun cup
20	<i>Camissonia kernensis</i> (Munz) P. H. Raven ssp. <i>gilmanii</i> (Munz) P. H. Raven	Onagraceae	Gilman's evening primrose
21	<i>Camissonia strigulosa</i> (Fisch. & C. A. Mey.) P. H. Raven	Onagraceae	Contorted primrose
22	<i>Camissoniopsis pallida</i> (Abrams) W. L. Wagner & Hoch ssp. <i>pallida</i>	Onagraceae	Pale sun cup
23	<i>Caulanthus coulteri</i> S. Watson	Brassicaceae	Coulter's jewel flower
24	<i>Chaenactis xantiana</i> A. Gray	Asteraceae	Fleshcolor pincushion
25	<i>Chenopodium californicum</i> (S. Watson) S. Watson	Chenopodiaceae	California goosefoot
26	<i>Cirsium occidentale</i> (Nutt.) Jeps. var. <i>venustum</i> (Greene) Jeps.	Asteraceae	Cobwebby thistle
27	<i>Claytonia exigua</i> Torr. & A. Gray ssp. <i>exigua</i>	Montiaceae	Little spring beauty
28	<i>Claytonia parviflora</i> Hook. ssp. <i>parviflora</i>	Montiaceae	Narrow leaved miner's lettuce
29	<i>Claytonia perfoliata</i> Donn ex Willd. ssp. <i>perfoliata</i>	Montiaceae	Miner's lettuce

30	<i>Clematis ligusticifolia</i> Nutt.	Ranunculaceae	Creek clematis
31	<i>Corethrogyne filaginifolia</i> (Hook. & Arn.) Nutt.	Asteraceae	Common sandaster
32	<i>Croton setiger</i> Hook.	Euphorbiaceae	Turkey-mullein
33	<i>Cryptantha circumscissa</i> (Hook & Arn.) I. M. Johnst. var. <i>circumscissa</i>	Boraginaceae	Cushion cryptantha
34	<i>Cryptantha echinella</i> Greene	Boraginaceae	Prickly cryptantha
35	<i>Cryptantha mohavensis</i> (Greene) Greene	Boraginaceae	Mojave cryptantha
36	<i>Cryptantha nevadensis</i> A. Nelson & P. B. Kenn. var. <i>rigida</i> I. M. Johnst.	Boraginaceae	Rigid cryptantha
37	<i>Cucurbita foetidissima</i> Kunth	Cucurbitaceae	Calabazilla
38	<i>Datura wrightii</i> Regel	Solanaceae	Jimsonweed
39	<i>Descurainia pinnata</i> (Walter) Britton	Brassicaceae	Western tansy mustard
40	<i>Dipterostemon capitatus</i> (Benth.) Rydb. ssp. <i>capitatus</i>	Themidaceae	Blue dicks
41	<i>Diplacus fremontii</i> (Benth.) A. Gray	Phrymaceae	Fremont's monkey flower
42	<i>Epilobium ciliatum</i> Raf. ssp. <i>ciliatum</i>	Onagraceae	Fringed willowherb
43	<i>Equisetum laevigatum</i> A. Braun	Equisetaceae	Horsetail
44	<i>Eriastrum densifolium</i>	Polemoniaceae	Giant woollystar
45	<i>Erigeron canadensis</i> L.	Asteraceae	Canada horseweed
46	<i>Erigeron foliosus</i> Nutt. var. <i>foliosus</i>	Asteraceae	Leafy fleabane
47	<i>Eriogonum angulosum</i> Benth.	Polygonaceae	Angled stem buckwheat
48	<i>Eriogonum baileyi</i> S. Watson var. <i>baileyi</i>	Polygonaceae	Bailey's buckwheat
49	<i>Eriogonum roseum</i> Durand & Hilg.	Polygonaceae	Wand buckwheat
50	<i>Eriogonum wrightii</i> Torr. ex Benth. var. <i>subscaposum</i> S. Watson	Polygonaceae	Wright's buckwheat
51	<i>Eriophyllum confertiflorum</i> (DC.) A. Gray var. <i>confertiflorum</i>	Asteraceae	Golden yarrow
52	<i>Erythranthe guttata</i> (DC.) G. L. Nelson	Phrymaceae	Yellow monkey flower
53	<i>Eschscholzia californica</i> Cham.	Papaveraceae	California poppy
54	<i>Euphorbia albomarginata</i> Torr. & A. Gray	Euphorbiaceae	Rattlesnake sandmat
55	<i>Euphorbia polycarpa</i> Benth.	Euphorbiaceae	Smallseed sandmat
56	<i>Euphorbia serpyllifolia</i> Pers. ssp. <i>serpyllifolia</i>	Euphorbiaceae	Thyme leafed spurge
57	<i>Euthamia occidentalis</i> Nutt.	Asteraceae	Western flat topped goldenrod
58	<i>Galium angustifolium</i> Nutt. ex A. Gray ssp. <i>angustifolium</i>	Rubiaceae	Narrow leaved bedstraw
59	<i>Galium aparine</i> L.	Rubiaceae	Common bedstraw
60	<i>Gilia brecciarum</i> M. E. Jones ssp. <i>brecciarum</i>	Polemoniaceae	Nevada gilia
61	<i>Gilia capitata</i> Sims ssp. <i>abrotanifolia</i> (Greene) V. E. Grant	Polemoniaceae	Ball gilia

62	<i>Gilia latiflora</i> (A. Gray) A. Gray ssp. <i>davyi</i> (Milliken) A. D. Grant & V. E. Grant	Polemoniaceae	Broad flowered gilia
63	<i>Helianthus annuus</i> L.	Asteraceae	Common sunflower
64	<i>Heliotropium curassavicum</i> L.	Boraginaceae	Heliotrope
65	<i>Heterotheca sessiliflora</i> (Nutt.) Shinnars ssp. <i>echioides</i> (Benth.) Semple	Asteraceae	Bristly goldenaster
66	<i>Hosackia oblongifolia</i> Benth. var. <i>oblongifolia</i>	Fabaceae	Narrow leaved lotus
67	<i>Lasthenia gracilis</i> (DC.) Greene	Asteraceae	Needle goldfields
68	<i>Layia glandulosa</i> (Hook.) Hook. & Arn.	Asteraceae	White tidy tips
69	<i>Leptosyne bigelovii</i> A. Gray	Asteraceae	Bigelow coreopsis
70	<i>Leptosyne calliopsidea</i> (DC.) A. Gray	Asteraceae	Leafy stemmed coreopsis
71	<i>Linanthus dichotomus</i> Benth.	Polemoniaceae	Evening snow
72	<i>Linanthus parryae</i> (A. Gray) Greene	Polemoniaceae	Parry's linanthus
73	<i>Lomatium mohavense</i> (J. M. Coult. & Rose) J. M. Coult. & Rose	Apiaceae	Mohave wild parsley
74	<i>Lupinus bicolor</i>	Fabaceae	Bicolored lupine
75	<i>Lupinus concinnus</i> J. Agardh	Fabaceae	Bajada lupine
76	<i>Lupinus albifrons</i> var. <i>austromontanus</i> (A. Heller) Jeps.	Fabaceae	Southern montane grape lupine
77	<i>Lupinus peirsonii</i> H. Mason	Fabaceae	Peirson's lupine
78	<i>Malacothamnus fremontii</i> (Torr. ex A. Gray) Greene	Malvaceae	Fremont's bush mallow
79	<i>Mentzelia albicaulis</i> (Douglas) Douglas ex Torr. & A. Gray	Loasaceae	Small flowered blazing star
80	<i>Mentzelia congesta</i> Torr. & A. Gray	Loasaceae	Clustered blazing star
81	<i>Microsteris gracilis</i> (Hook.) Greene	Polemoniaceae	Slender phlox
82	<i>Nama demissa</i> A. Gray var. <i>demissa</i>	Boraginaceae	Purplemat
83	<i>Nasturtium officinale</i> W. T. Aiton	Brassicaceae	Watercress
84	<i>Nemophila menziesii</i> Hook. & Arn. var. <i>menziesii</i>	Boraginaceae	Baby blue eyes
85	<i>Nicotiana attenuata</i> Torr. ex S. Watson	Solanaceae	Coyote tobacco
86	<i>Oenothera californica</i> (S. Watson) S. Watson ssp. <i>avita</i> W. M. Klein	Onagraceae	California evening primrose
87	<i>Oenothera elata</i> Kunth. ssp. <i>hirsutissima</i> (S. Watson) W. Dietr.	Onagraceae	Hairy evening primrose
88	<i>Opuntia basilaris</i> Engelm. & J. M. Bigelow var. <i>basilaris</i>	Cactaceae	Beavertail cactus
89	<i>Aphyllon parishii</i> (Jeps.) A.C. Schneid. ssp. <i>parishii</i>	Orobanchaceae	Parish broomrape
90	<i>Penstemon centranthifolius</i> Benth.	Plantaginaceae	Scarlet bugler
91	<i>Phacelia davidsonii</i> A. Gray	Boraginaceae	Davidson's phacelia
92	<i>Phacelia fremontii</i> Torr.	Boraginaceae	Fremont's phacelia

93	<i>Phacelia imbricata</i> Greene ssp. <i>imbricata</i>	Boraginaceae	Imbricate phacelia
94	<i>Phacelia tanacetifolia</i> Benth.	Boraginaceae	Lacy phacelia
95	<i>Plagiobothrys arizonicus</i> (A. Gray) A. Gray	Boraginaceae	Arizona popcorn flower
96	<i>Pseudognaphalium stramineum</i> (Kunth) Anderb.	Asteraceae	Cottonbatting plant
97	<i>Ranunculus cymbalaria</i> Pursh	Ranunculaceae	Alkali buttercup
98	<i>Salvia columbariae</i> Benth.	Lamiaceae	Chia sage
99	<i>Sisyrinchium halophilum</i> Greene	Iridaceae	Nevada blue eyed grass
100	<i>Solanum americanum</i> Mill.	Solanaceae	American black nightshade
101	<i>Solanum xanti</i> A. Gray	Solanaceae	Chaparral nightshade
102	<i>Solidago confinis</i> A. Gray	Asteraceae	Southern goldenrod
103	<i>Stachys albens</i> A. Gray	Lamiaceae	Cobwebby hedge nettle
104	<i>Stephanomeria exigua</i> Nutt. ssp. <i>coronaria</i> (Greene) Gottlieb	Asteraceae	White plume wirelettuce
105	<i>Trifolium willdenovii</i> Spreng.	Fabaceae	Tomcat clover
106	<i>Trifolium wormskioldii</i> Lehm.	Fabaceae	Coast clover
107	<i>Tropidocarpum gracile</i> Hook.	Brassicaceae	Slender keel fruit
108	<i>Uropappus lindleyi</i> (DC.) Nutt.	Asteraceae	Silver puffs
109	<i>Urtica dioica</i> L. ssp. <i>holosericea</i> (Nutt.) Thorne	Urticaceae	Giant creek nettle
110	<i>Verbena lasiostachys</i> Link var. <i>scabrida</i> Moldenke	Verbenaceae	Robust vervain
111	<i>Viola adunca</i> Sm.	Violaceae	Dog violet
112	<i>Viola purpurea</i> Kellogg	Violaceae	Goosefoot violet

Forbs/herbs (non-native)

Count	Scientific name	Family	Common name
1	<i>Amaranthus albus</i> L.	Amaranthaceae	Pigweed amaranth
2	<i>Anthriscus caucalis</i> M. Biedb.	Apiaceae	Bur chervil
3	<i>Capsella bursa-pastoris</i> (L.) Medik	Brassicaceae	Shepherd's purse
4	<i>Chenopodium album</i> L.	Chenopodiaceae	Lamb's quarters
5	<i>Chenopodium vulvaria</i> L.	Chenopodiaceae	Stinking goosefoot
6	<i>Cirsium vulgare</i> (Savi) Ten.	Asteraceae	Bull thistle
7	<i>Descurainia sophia</i> (L.) Webb ex Prantl	Brassicaceae	Flix weed
8	<i>Erodium cicutarium</i> (L.) L'Hér. ex Aiton	Geraniaceae	Red stemmed filaree
9	<i>Lactuca serriola</i> L.	Asteraceae	Prickly lettuce

10	<i>Lythrum hyssopifolia</i> L.	Lythraceae	Hyssop loosestrife
11	<i>Marrubium vulgare</i> L.	Lamiaceae	White horehound
12	<i>Medicago lupulina</i> L.	Fabaceae	Black medick
13	<i>Medicago polymorpha</i> L.	Fabaceae	Bur clover
14	<i>Melilotus indicus</i> (L.) All.	Fabaceae	Annual yellow sweetclover
15	<i>Plantago major</i> L.	Plantaginaceae	Common plantain
16	<i>Polygonum aviculare</i> L.	Polygonaceae	Prostrate knotweed
17	<i>Pseudognaphalium luteoalbum</i> (L.) Hilliard & B. L. Burt	Asteraceae	Jersey cudweed
18	<i>Sisymbrium altissimum</i> L.	Brassicaceae	Tall tumbled mustard
19	<i>Sisymbrium irio</i> L.	Brassicaceae	London rocket
20	<i>Sisymbrium orientale</i> L.	Brassicaceae	Indian hedge mustard
21	<i>Sonchus asper</i> (L.) Hill ssp. <i>asper</i>	Asteraceae	Prickly sow thistle
22	<i>Sonchus oleraceus</i> L.	Asteraceae	Common sow thistle
23	<i>Stellaria media</i> (L.) Vill.	Caryophyllaceae	Chickweed
24	<i>Taraxacum officinale</i> F. H. Wigg.	Asteraceae	Common dandelion
25	<i>Veronica anagallis-aquatica</i> L.	Plantaginaceae	Water speedwell
26	<i>Xanthium spinosum</i> L.	Asteraceae	Spiny clotbur
27	<i>Lotus tenuis</i> Waldst. & Kit. Ex Willd.	Fabaceae	Narrow-leaf bird's-foot trefoil

Non-grass graminoids (native)

Count	Scientific name	Family	Common name
1	<i>Carex hassei</i> L. H. Bailey	Cyperaceae	Hasse's sedge
2	<i>Carex praegracilis</i> W. Boott	Cyperaceae	Clustered field sedge
3	<i>Eleocharis parishii</i> Britton	Cyperaceae	Parish's spikerush
4	<i>Eleocharis rostellata</i> (Torr.) Torr.	Cyperaceae	Beaked spikerush
5	<i>Juncus balticus</i> Willd. ssp. <i>ater</i> (Rydb.) Snogerup	Juncaceae	Baltic rush
6	<i>Juncus bufonius</i> L.	Juncaceae	Common toad rush
7	<i>Juncus mexicanus</i> Willd.	Juncaceae	Mexican rush
8	<i>Juncus patens</i> E. Mey.	Juncaceae	Common rush
9	<i>Juncus rugulosus</i> Engelm.	Juncaceae	Wrinkled rush
10	<i>Juncus xiphioides</i> E. Mey.	Juncaceae	Iris leaved rush

Shrubs/trees (native)			
Count	Scientific name	Family	Common name
1	<i>Artemisia tridentata</i> Nutt. ssp. <i>tridentata</i>	Asteraceae	Basin big sagebrush
2	<i>Baccharis salicifolia</i> (Ruiz & Pav.) Pers. ssp. <i>salicifolia</i>	Asteraceae	Mule fat
3	<i>Ceanothus pauciflorus</i> Greene	Rhamnaceae	Mojave ceanothus
4	<i>Cercocarpus betuloides</i> Nutt. var. <i>betuloides</i>	Rosaceae	Birch leaf mountain mahogany
5	<i>Ericameria cooperi</i> (A. Gray) H. M. Hall	Asteraceae	Cooper's goldenbush
6	<i>Ericameria linearifolia</i> (DC.) Urbatsch & Wussow	Asteraceae	Linear leaved goldenbush
7	<i>Ericameria nauseosa</i> (Pall. Ex Pursh) G. L. Nesom & G. I. Baird var. <i>mojavensis</i> (Greene) G. L. Nesom & G. I. Baird	Asteraceae	Mojave rabbitbrush
8	<i>Eriogonum fasciculatum</i> Benth. var. <i>polifolium</i> (Benth.) Torr. & A. Gray	Polygonaceae	California buckwheat
9	<i>Frangula californica</i> (Eschsch.) A. Gray ssp. <i>cuspidata</i> (Greene) Kartesz & Gandhi	Rhamnaceae	Sierra hoary coffeeberry
10	<i>Fremontodendron californicum</i> (Torr.) Coville	Malvaceae	California flannelbush
11	<i>Juniperus californica</i> Carrière	Cupressaceae	California juniper
12	<i>Pinus monophyla</i> Torr. & Frém.	Pinaceae	Single leaf pinyon pine
13	<i>Pinus sabiniana</i> D. Don	Pinaceae	California foothill pine
14	<i>Populus fremontii</i> S. Watson ssp. <i>fremontii</i>	Salicaceae	Fremont cottonwood
15	<i>Quercus chrysolepis</i> Liebm.	Fagaceae	Canyon live oak
16	<i>Quercus lobata</i> Née	Fagaceae	California valley oak
17	<i>Quercus wislizeni</i> A. DC. var. <i>frutescens</i> Engelm.	Fagaceae	Bush interior live oak
18	<i>Ribes roezlii</i> Regel var. <i>roezlii</i>	Grossulariaceae	Sierra gooseberry
19	<i>Salix gooddingii</i> C. R. Ball	Salicaceae	Goodding's black willow
20	<i>Salix laevigata</i> Bebb	Salicaceae	Red willow
21	<i>Salix lasiolepis</i> Benth.	Salicaceae	Arroyo willow
22	<i>Sambucus nigra</i> L. ssp. <i>caerulea</i> (Raf.) Bolli	Adxooaceae	Blue elderberry
196	Total (all taxa)		