

This appendix presents the following biological resource related items:

- Appendix D.1 – Criteria used to determine which of California’s special-status species qualify for inclusion in the project.
- Appendix D.2 – List of 399 vascular plants documented while surveying proposed project facilities. Nomenclature corresponds to Hickman (1993).

APPENDIX D.1

Criteria used to determine which California’s special-status species qualify for inclusion in the project.

<p>Plants and animals legally protected under the California and Federal Endangered Species Acts or under other regulations, plants and animals considered sufficiently rare by the scientific community to qualify for such listing, or plants and animals considered to be sensitive because they are unique, declining regionally or locally, or are at the extent of their natural range.</p>	
Special-Status Plant Species	Special-Status Animal Species
<ul style="list-style-type: none"> ■ Plants listed or proposed for listing as threatened or endangered under the Federal Endangered Species Act (50 CFR 17.12 for listed plants and various notices in Federal Register for proposed species). ■ Plants that are Federal Species of Concern (FSC) (Category 1 or 2 candidates [C1, C2]) for possible future listing as threatened or endangered under the Federal Endangered Species Act (55 CFR 6184, February 21, 1990). ■ Plants that meet the definitions of rare or endangered species under the CEQA (State CEQA Guidelines, Section 15380). ■ Plants listed or proposed for listing by the State of California as threatened or endangered under the California Endangered Species Act (14 CCR 670.5). ■ Plants listed under the California Native Plant Protection Act (California Fish and Game Code 1900 et seq.). ■ Plants considered sensitive by other federal agencies (i.e., U.S. Forest Service, Bureau of Land Management) or state and local agencies or jurisdictions. ■ Plants considered sensitive or unique by the scientific community; occurs at natural range limits (State CEQA Guidelines, Appendix G). 	<ul style="list-style-type: none"> ■ Animals listed/proposed for listing as threatened/endangered under the Federal Endangered Species Act (50 CFR 17.11 for listed animals and various notices in Federal Register for proposed species). ■ Animals that are Federal Species of Concern (FSC) (Category 1 or 2 candidates [C1, C2]) for possible future listing as threatened or endangered under Federal Endangered Species Act (54 CFR 554). ■ Animals that meet the definitions of rare or endangered species under the CEQA (State CEQA Guidelines, Section 15380). ■ Animals listed or proposed for listing by the State of California as threatened and endangered under the California Endangered Species Act (14 CCR 670.5). ■ Animal species of special concern to the CDFG (Remsen [1978] for birds; Williams [1986] for mammals). ■ Animal species that are fully protected in California (California Fish & Game Code, Section 3511 [birds], 4700 [mammals], 5050 [reptiles, amphibians]).
CNPS List	Definition
1A	Presumed Extinct in California
1B	Rare or Endangered in California and elsewhere
2	Rare and Endangered in California, more common elsewhere
3	Need more information
4	Plants of Limited Distribution

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CNPS R-E-D Code	Definition
Rarity (R): 1	Rare, but found in sufficient numbers and distributed widely enough that the potential for extinction is low at this time
2	Distributed in limited # of occurrences, occasionally more if each occurrence is small
3	Distributed in one to several highly restricted occurrences, or present in such small numbers that it is seldom reported
Endangerment (E): 1	Not endangered
2	Endangered in a portion of its range
3	Endangered throughout its range
Distribution (D): 1	More or less widespread outside California
2	Rare outside California
3	Endemic to California

APPENDIX D.2

The following table presents a list of 399 vascular plants documented with segment number while surveying proposed project facilities. Nomenclature corresponds to Hickman (1993). Common names are taken from Calflora (www.calflora.org) generally.

FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Aizoaceae	<i>Sesuvium verrucosum</i>	western sea-purslane	X	X
Amaranthaceae	<i>Amaranthus californicus</i>	California amaranth	X	X
Anacardiaceae	<i>Rhus trilobata</i>	squawbush	X	X
Anacardiaceae	<i>Toxicodendron diversilobum</i>	poison oak	X	X
Apiaceae	<i>Lomatium dasycarpum</i> ssp. <i>tomentosum</i>	woolly-fruited lomatium	X	X
Apiaceae	<i>Lomatium mohavense</i>	Mojave lomatium	X	X
Apiaceae	<i>Sanicula crassicaulis</i>	Pacific sanicle	X	X
Apocynaceae	<i>Amsonia tomentosa</i>	woolly amsonia	X	
Asclepiadaceae	<i>Asclepias californica</i>	California milkweed		X
Asteraceae	<i>Acamptopappus sphaerocephalus</i> var. <i>hirtellus</i>	hairy goldenhead	X	
Asteraceae	<i>Agoseris heterophylla</i>	annual agoseris		X
Asteraceae	<i>Ambrosia acanthicarpa</i>	annual burrweed	X	
Asteraceae	<i>Ambrosia dumosa</i>	burro-weed	X	
Asteraceae	<i>Ambrosia pumila</i>	San Diego ambrosia	X	
Asteraceae	<i>Anisocoma acaulis</i>	scale-bud	X	
Asteraceae	<i>Artemisia californica</i>	California sagebrush		X
Asteraceae	<i>Artemisia douglasiana</i>	mugwort		X
Asteraceae	<i>Artemisia dracunculus</i>	tarragon		X
Asteraceae	<i>Artemisia tridentata</i> ssp. <i>parishii</i>	Parish's sagebrush	X	X
Asteraceae	<i>Artemisia tridentata</i> ssp. <i>tridentata</i>	big sagebrush		X
Asteraceae	<i>Baccharis sergiloides</i>	desert baccharis	X	X
Asteraceae	<i>Baileya pleniradiata</i>	woolly marigold	X	
Asteraceae	<i>Balsamorhiza sagittata</i>	arrow-leaved balsam-root		X
Asteraceae	<i>Brickellia californica</i>	California brickellia	X	X
Asteraceae	<i>Calycoseris parryi</i>	yellow tackstem	X	

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Asteraceae	Carthamus tinctorius	safflower	X	
Asteraceae	Centaurea solstitialis	yellow star-thistle	X	X
Asteraceae	Chaenactis carphoclinia	pebble pincushion	X	X
Asteraceae	Chaenactis fremontii	Fremont pincushion	X	
Asteraceae	Chaenactis glabriuscula DC. var. lanosa	yellow chaenactis		X
Asteraceae	Chaenactis glabriuscula var. orcuttiana	Orcutt's yellow chaenactis	X	
Asteraceae	Chaenactis xantiana	Xantus' chaenactis	X	
Asteraceae	Chrysothamnus nauseosus ssp. mohavensis	Mohave common rabbitbrush	X	
Asteraceae	Chrysothamnus nauseosus ssp. consimilis	rabbitbrush	X	
Asteraceae	Chrysothamnus teretifolius	needle-leaved rabbitbrush	X	
Asteraceae	Cirsium mohavense	Mojave thistle	X	X
Asteraceae	Cirsium occidentale var. californicum	California thistle		X
Asteraceae	Cnicus benedictus	blessed thistle		X
Asteraceae	Coreopsis bigelovii	Bigelow's coreopsis		X
Asteraceae	Coreopsis californica var. californica	California coreopsis	X	X
Asteraceae	Coreopsis calliopsidea	leafy-stemmed coreopsis	X	X
Asteraceae	Encelia californica	California encelia	X	X
Asteraceae	Encelia farinosa	incienso	X	X
Asteraceae	Encelia frutescens	button encelia	X	
Asteraceae	Encelia virginensis	Virgin River encelia	X	X
Asteraceae	Ericameria cooperi var. cooperi	Cooper's goldenbush	X	X
Asteraceae	Ericameria cuneata var. cuneata	interior goldenbush		X
Asteraceae	Ericameria linearifolia	interior goldenbush	X	
Asteraceae	Eriophyllum ambiguum	annual woolly sunflower	X	X
Asteraceae	Eriophyllum confertiflorum var. confertiflorum	golden yarrow		X
Asteraceae	Eriophyllum pringlei	Pringle's woolly sunflower	X	X
Asteraceae	Eriophyllum wallacei	Wallace's woolly daisy	X	X
Asteraceae	Filago depressa	dwarf herba impia	X	X
Asteraceae	Gnaphalium californicum	California everlasting	X	X
Asteraceae	Grindelia camporum var. camporum	Great Valley gumweed	X	X

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Asteraceae	Grindelia squarrosa var. serrulata	curlycup gumweed	X	X
Asteraceae	Gutierrezia californica	California matchweed	X	X
Asteraceae	Gutierrezia sarothrae	broom snakeweed	X	
Asteraceae	Helianthus annuus	common sunflower	X	X
Asteraceae	Heterotheca grandiflora	telegraph weed	X	X
Asteraceae	Hymenoclea salsola var. patula	burrobrush	X	
Asteraceae	Hymenoclea salsola var. salsola	burrobrush	X	X
Asteraceae	Isocoma acradenia	alkali goldenbush	X	X
Asteraceae	Iva axillaris	povertyweed	X	X
Asteraceae	Lactuca saligna	narrow-leaved wild -lettuce	X	X
Asteraceae	Lasthenia californica	common goldfields		X
Asteraceae	Layia glandulosa	white layia	X	X
Asteraceae	Lepidospartum latisquamum	scale-broom		X
Asteraceae	Lepidospartum squamatum	scale-broom	X	X
Asteraceae	Lessingia filaginifolia var. californica	California -aster		X
Asteraceae	Lessingia lemmonii var. elmmonii	Lemmon's lessingia	X	X
Asteraceae	Lessingia lemmonii var. peirsonii	Peirson's lessingia	X	X
Asteraceae	Malacothrix coulteri	snake's head	X	X
Asteraceae	Malacothrix glabrata	desert dandelion	X	X
Asteraceae	Malacothrix sonchoides	sow-thistle malacothrix	X	X
Asteraceae	Monoptilon bellioides	Mojave desert star	X	X
Asteraceae	Prenanthes exiguus	bright-white	X	
Asteraceae	Psathyrotes annua	annual psathyrotes	X	
Asteraceae	Rafinesquia neomexicana	desert chicory		X
Asteraceae	Senecio flaccidus var. flaccidus	Douglas' shrubby ragwort	X	
Asteraceae	Senecio flaccidus var. douglasii	Douglas' shrubby ragwort		X
Asteraceae	Solidago californica	oreja de liebre	X	X
Asteraceae	Solidago confinis	southern goldenrod	X	X
Asteraceae	Sonchus asper ssp. asper	prickly sow thistle	X	X
Asteraceae	Sonchus oleraceus	common sow thistle	X	X

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Asteraceae	Stephanomeria exigua ssp. exugua	small wirelettuce	X	X
Asteraceae	Stephanomeria exigua ssp. carotifera	white-plume stephanomeria	X	X
Asteraceae	Stephanomeria parryi	Parry's stephanomeria	X	X
Asteraceae	Stephanomeria pauciflora var. pauciflora	wire-lettuce	X	X
Asteraceae	Stephanomeria tenuifolia	narrow-leaved wire -lettuce	X	X
Asteraceae	Stylocline gnaphaloides	everlasting nest-straw	X	
Asteraceae	Stylocline micropoides	desert nest straw	X	X
Asteraceae	Syntrichopappus fremontii	Fremont's syntrichopappus	X	
Asteraceae	Tetradymia axillaris	catclaw horsebrush	X	X
Asteraceae	Tetradymia glabrata	little-leaf horsebrush	X	X
Asteraceae	Trixis californica var. californica	California trixis	X	
Asteraceae	Xylorhiza tortifolia var. tortifolia	Mojave-aster	X	X
Boraginaceae	Amsinckia menziesii var. intermedia	orange-flowered Menzies'	X	X
Boraginaceae	Amsinckia menziesii var. menziesii	orange-flowered fiddleneck	X	X
Boraginaceae	Amsinckia tessellata var. tessellata	devil's lettuce	X	X
Boraginaceae	Cryptantha angustifolia	narrow-leaved cryptantha	X	X
Boraginaceae	Cryptantha circumscissa	cushion cryptantha	X	
Boraginaceae	Cryptantha echinella	prickly cryptantha	X	X
Boraginaceae	Cryptantha intermedia	common cryptantha	X	X
Boraginaceae	Cryptantha maritima	Guadalupe cryptantha	X	
Boraginaceae	Cryptantha maritima var. pilosa	Guadalupe cryptantha		X
Boraginaceae	Cryptantha micrantha	purple-root cryptantha	X	
Boraginaceae	Cryptantha nevadensis	Nevada cryptantha	X	X
Boraginaceae	Cryptantha oxygona	sharp-nut cryptantha	X	
Boraginaceae	Cryptantha pterocarya	wing-nut cryptantha	X	X
Boraginaceae	Cryptantha similis	cushion cryptantha	X	
Boraginaceae	Heliotropium convolvulaceum	seaside heliotrope	X	
Boraginaceae	Heliotropium curassavicum	seaside heliotrope		X
Boraginaceae	Pectocarya heterocarpa	chuckwalla pectocarya	X	X
Boraginaceae	Pectocarya setosa	moth combseed	X	X

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Boraginaceae	Plagiobothrys arizonicus	Arizona popcorn flower	X	
Boraginaceae	Plagiobothrys canescens	grey popcorn flower	X	X
Brassicaceae	Arabis pulchra	beautiful rock-cress	X	
Brassicaceae	Arabis sparsiflora	rock cress		X
Brassicaceae	Brassica nigra	black mustard	X	X
Brassicaceae	Brassica rapa	field mustard	X	X
Brassicaceae	Brassica tourneforti	field mustard	X	
Brassicaceae	Cardaria draba	heart-podded hoary-cress	X	
Brassicaceae	Caulanthus cooperi	Cooper's jewel-flower	X	X
Brassicaceae	Erysimum capitatum ssp. perenne	western wallflower		X
Brassicaceae	Erysimum capitatum ssp. capitatum	western wallflower	X	
Brassicaceae	Lepidium fremontii var. fremontii	desert pepper-grass	X	X
Brassicaceae	Lepidium lasiocarpum var. lasiocarpum	hairy-podded pepper-grass	X	
Brassicaceae	Lepidium nitidum var. howellii	Howell's pepper-grass	X	X
Brassicaceae	Rorippa nasturtium-aquaticum	water cress		X
Brassicaceae	Sisymbrium altissimum	tumble-mustard	X	X
Brassicaceae	Sisymbrium irio	London rocket	X	X
Brassicaceae	Sisymbrium officinale	London rocket	X	X
Brassicaceae	Stanleya pinnata	prince's plume	X	X
Brassicaceae	Thysanocarpus curvipes	common fringe-pod	X	X
Cactaceae	Opuntia basilaris var. basilaris	beavertail cactus	X	
Cactaceae	Opuntia basilaris var. brachyclada	short-joint beavertail		X
Cactaceae	Opuntia echinocarpa	silver or golden cholla	X	X
Cactaceae	Opuntia ramosissima	pencil cactus	X	X
Capparaceae	Isomeris arborea	bladderpod	X	X
Caprifoliaceae	Sambucus mexicana	blue elderberry		X
Caryophyllaceae	Arenaria macradenia var. macradenia	desert sandwort		X
Caryophyllaceae	Herniaria hirsuta ssp. hirsuta	hairy herniaria	X	
Caryophyllaceae	Spergularia rubra	red sandspurry		X
Chenopodiaceae	Atriplex canescens ssp. laciniata	shadscale	X	

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Chenopodiaceae	Atriplex canescens ssp. canescens	shadscale	X	X
Chenopodiaceae	Atriplex lentiformis	big saltbush	X	X
Chenopodiaceae	Atriplex polycarpa	cattle saltbush	X	X
Chenopodiaceae	Atriplex serenana ssp. serenana	saltscale	X	
Chenopodiaceae	Atriplex rosea	tumbling oracle	X	X
Chenopodiaceae	Chenopodium fremontii	Fremont's goosefoot	X	X
Chenopodiaceae	Krascheninnikovia lanata	winter fat		X
Chenopodiaceae	Salsola tragus	tumbleweed	X	X
Convolvulaceae	Calystegia peirsonii	Peirson's morning-glory		X
Crassulaceae	Dudleya cymosa ssp. pumila	low canyon dudleya		X
Crassulaceae	Dudleya lanceolata	lanceleaf dudleya	X	
Cucurbitaceae	Cucurbita foetidissima	calabazilla	X	
Cupressaceae	Juniperus californica	California juniper	X	X
Cuscutaceae	Cuscuta californica	California dodder	X	X
Cuscutaceae	Cuscuta indecora var. neuropetala	nerve-petaled dodder	X	
Cyperaceae	Cyperus laevigatus	smooth flatsedge	X	X
Cyperaceae	Scirpus robustus	big bulrush	X	X
Ephedraceae	Ephedra nevadensis	Nevada ephedra	X	X
Ephedraceae	Ephedra viridis	Nevada ephedra	X	X
Ericaceae	Arctostaphylos glauca	big-berry manzanita		X
Euphorbiaceae	Chamaesyce albomarginata	rattlesnake weed	X	X
Euphorbiaceae	Chamaesyce micromera	Sonoran spurge	X	
Euphorbiaceae	Chamaesyce parishii	Parish's spurge	X	X
Euphorbiaceae	Chamaesyce polycarpa	small-seeded spurge	X	X
Euphorbiaceae	Croton californicus	California croton	X	X
Euphorbiaceae	Eremocarpus setigerus	turkey mullein	X	X
Fabaceae	Astragalus acutirostris	beaked rattle-weed	X	X
Fabaceae	Astragalus didymocarpus	dwarf white milk-vetch	X	
Fabaceae	Astragalus lentiginosus var. albifolius	white-leaved milk-vetch	X	
Fabaceae	Astragalus lentiginosus var. variabilis	freckled milk-vetch	X	X

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Fabaceae	Astragalus trichopodus var. phoxus	Santa Barbara milk-vetch	X	X
Fabaceae	Lotus heermannii	Heermann's lotus	X	X
Fabaceae	Lotus micranthus	small-flowered lotus	X	X
Fabaceae	Lotus procumbens var. procumbens	silky California broom		X
Fabaceae	Lotus purshianus var. purshianus	Spanish clover		X
Fabaceae	Lotus strigosus	strigose lotus		X
Fabaceae	Lotus wrangelianus	Chilean lotus		X
Fabaceae	Lupinus bicolor	miniature lupine	X	X
Fabaceae	Lupinus concinnus	bajada lupine	X	X
Fabaceae	Lupinus hirsutissimus	stinging lupine	X	X
Fabaceae	Lupinus microcarpus var. densiflorus	chick lupine	X	X
Fabaceae	Lupinus sparsiflorus	Coulter's lupine	X	X
Fabaceae	Melilotus alba	white sourclover	X	X
Fabaceae	Melilotus indica	sourclover	X	X
Fabaceae	Psoralea fremontii	Fremont's indigo-bush	X	X
Fagaceae	Quercus berberidifolia	inland scrub oak		X
Fagaceae	Quercus chrysolepis	canyon live oak		X
Fagaceae	Quercus john-tuckeri	Tucker's oak		X
Fagaceae	Quercus lobata	valley oak		X
Fagaceae	Quercus wislizeni	interior live oak		X
Geraniaceae	Erodium botrys	long-beaked filaree	X	X
Geraniaceae	Erodium cicutarium	red-stemmed filaree	X	X
Geraniaceae	Erodium texanum	filaree	X	
Grossulariaceae	Ribes velutinum	desert gooseberry		X
Hydrophyllaceae	Emmenanthe penduliflora var. penduliflora	whispering bells	X	X
Hydrophyllaceae	Eriodictyon tomentosum	woolly yerba santa		X
Hydrophyllaceae	Eriodictyon trichocalyx var. trichocalyx	hairy yerba santa	X	
Hydrophyllaceae	Eucrypta micrantha	desert eucrypta	X	X
Hydrophyllaceae	Phacelia affinis	limestone phacelia	X	
Hydrophyllaceae	Phacelia campanularia ssp. campanularia	desert-bells	X	X

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Hydrophyllaceae	Phacelia fremontii	common phacelia	X	
Hydrophyllaceae	Phacelia lemmonii	Lemmon's phacelia	X	X
Hydrophyllaceae	Phacelia tanacetifolia	tansy-leafed phacelia		X
Hydrophyllaceae	Tricardia watsonii	three-hearts	X	
Hydrophyllaceae	Turricula parryi	poodle-dog bush	X	
Iridaceae	Iris pseudacorus	water iris		X
Juncaceae	Juncus mexicanus	Mexican rush	X	X
Lamiaceae	Marrubium vulgare	horehound	X	X
Lamiaceae	Salvia apiana	white sage		X
Lamiaceae	Salvia columbariae	chia sage	X	X
Lamiaceae	Salvia mellifera	black sage		X
Liliaceae	Allium fimbriatum	fringed onion	X	X
Liliaceae	Allium lacunosum var. davisiae	Davis' pitted onion	X	
Liliaceae	Calochortus invenustus	plain mariposa		X
Liliaceae	Calochortus kennedyi var. kennedyi	red mariposa	X	X
Liliaceae	Chlorogalum pomeridianum var. pomeridianum	common soaproot	X	X
Liliaceae	Dichelostemma capitatum ssp. pulchellum	blue dicks	X	
Liliaceae	Dichelostemma capitatum ssp. capitatum	blue dicks	X	X
Liliaceae	Yucca brevifolia	joshua tree	X	X
Liliaceae	Yucca schidigera	Mohave yucca	X	
Liliaceae	Yucca whipplei	chaparral yucca		X
Liliaceae	Zigadenus brevibracteatus	desert death-camas	X	
Loasaceae	Mentzelia affinis	yellow blazing star	X	X
Loasaceae	Mentzelia albicaulis	white-stemmed blazing star	X	X
Loasaceae	Mentzelia congesta	clustered blazing star	X	X
Loasaceae	Mentzelia nitens	shining blazing star	X	X
Loasaceae	Mentzelia veatchiana	Veatch's blazing star	X	
Loasaceae	Petalonyx thurberi	Thurber's sandpaper-plant	X	
Malvaceae	Eremalche exilis	white mallow	X	X
Malvaceae	Sphaeralcea ambigua	apricot mallow	X	X

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Nyctaginaceae	Mirabilis bigelovii var. bigelovii	Bigelow's desert four-o'clock	X	X
Nyctaginaceae	Mirabilis bigelovii var. retrorsa	wishbone plant	X	X
Nyctaginaceae	Mirabilis californica	California four o'clock	X	X
Nyctaginaceae	Mirabilis multiflora var. pubescens	desert four o'clock	X	X
Oleaceae	Forestiera pubescens	desert olive	X	X
Onagraceae	Camissonia boothii ssp. desertorum	Booth's desert primrose	X	X
Onagraceae	Camissonia brevipes	yellow cups	X	X
Onagraceae	Camissonia californica	California sun-cup	X	X
Onagraceae	Camissonia campestris ssp. campestris	field sun-cup		X
Onagraceae	Camissonia claviformis ssp. claviformis	clavate-fruited primrose	X	X
Onagraceae	Camissonia graciliflora	hill sun-cup		X
Onagraceae	Camissonia pallida ssp. pallida	pale sun-cup	X	
Onagraceae	Clarkia purpurea ssp. quadrivulnera	purple clarkia		X
Onagraceae	Clarkia unguiculata	woodland clarkia		X
Onagraceae	Epilobium brachycarpum	autumn willowweed	X	X
Onagraceae	Oenothera caespitosa ssp. marginata	white desert-primrose	X	X
Papaveraceae	Dendromecon rigida	bush poppy		X
Papaveraceae	Eschscholzia caespitosa	tufted eschscholzia		X
Papaveraceae	Eschscholzia californica	California poppy	X	X
Papaveraceae	Eschscholzia californica ssp. mexicana	California poppy	X	
Papaveraceae	Eschscholzia minutiflora ssp. covillei	Coville's pygmy poppy	X	X
Pinaceae	Pinus coulteri	Coulter pine		X
Pinaceae	Pinus jeffreyi	Jeffrey Pine		X
Pinaceae	Pinus sabiniana	foothill pine		X
Plantaginaceae	Plantago ovata	desert plantain		X
Poaceae	Achnatherum hymenoides	Indian ricegrass	X	X
Poaceae	Achnatherum occidentale	western needlegrass		X
Poaceae	Achnatherum speciosum	desert needlegrass	X	X
Poaceae	Aristida divaricata	poverty three-awn	X	X
Poaceae	Avena barbata	slender wild oats	X	X

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FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Poaceae	Bromus diandrus	ripgut brome	X	X
Poaceae	Bromus hordeaceus ssp. molliformis	soft chess	X	X
Poaceae	Bromus madritensis ssp. rubens	red brome	X	X
Poaceae	Bromus tectorum	cheatgrass	X	X
Poaceae	Bromus trinii	Chilean chess	X	X
Poaceae	Cynodon dactylon	bermuda grass	X	X
Poaceae	Distichlis spicata	saltgrass	X	X
Poaceae	Elymus elymoides ssp. elymoides	squirreltail	X	X
Poaceae	Elymus glaucus ssp. glaucus	blue wildrye	X	X
Poaceae	Elymus trachycaulus	wildrye		X
Poaceae	Eragrostis mexicana ssp. mexicana	New Mexico lovegrass	X	
Poaceae	Hesperostipa comata ssp. comata	needle & thread grass	X	
Poaceae	Hordeum marinum ssp. gussoneanum	Mediterranean barley	X	X
Poaceae	Hordeum murinum ssp. leporinum	foxtail barley	X	X
Poaceae	Leymus cinereus	gray wild-rye		X
Poaceae	Leymus condensatus	giant wild-rye	X	X
Poaceae	Lolium multiflorum	Italian rye-grass	X	X
Poaceae	Muhlenbergia andina	foxtail muhly	X	X
Poaceae	Nassella cernua	nodding needlegrass		X
Poaceae	Nassella pulchra	purple needlegrass		X
Poaceae	Pennisetum villosum	feathertop	X	
Poaceae	Poa annua	annual blue grass	X	X
Poaceae	Poa secunda ssp. juncaefolia	one-sided blue grass		X
Poaceae	Poa secunda ssp. secunda	one-sided blue grass	X	X
Poaceae	Polypogon monspeliensis	annual beard grass	X	X
Poaceae	Schismus arabicus	Mediterranean grass	X	X
Poaceae	Schismus barbatus	common Mediterranean grass	X	X
Poaceae	Vulpia bromoides	brome fescue	X	X
Poaceae	Vulpia microstachys var. ciliata	Eastwood fescue	X	X
Poaceae	Vulpia myuros var. hirsuta	rattail fescue	X	X

APPENDIX D

BIOLOGICAL RESOURCES

Antelope Transmission Project – Segments 2 & 3

FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Poaceae	Vulpia myuros var. myuros	rattail fescue	X	X
Poaceae	Vulpia octoflora var. octoflora	six-weeks fescue	X	X
Polemoniaceae	Eriastrum densifolium ssp. mohavense	giant eriastrum		X
Polemoniaceae	Eriastrum densifolium ssp. densifolium	giant eriastrum	X	
Polemoniaceae	Eriastrum diffusum	miniature eriastrum		X
Polemoniaceae	Eriastrum eremicum ssp. eremicum	desert eriastrum	X	X
Polemoniaceae	Gilia brecciarum	Nevada gilia	X	
Polemoniaceae	Gilia filiformis	yellow gilia	X	
Polemoniaceae	Gilia leptomeria	Great Basin gilia	X	X
Polemoniaceae	Gilia micromeria	dainty gilia	X	X
Polemoniaceae	Gilia minor	little gilia	X	X
Polemoniaceae	Gilia ochroleuca	volcanic gilia	X	X
Polemoniaceae	Gilia sinuata	rosy gilia	X	
Polemoniaceae	Gilia stellata	star gilia	X	X
Polemoniaceae	Gilia transmontana	trans-montane gilia	X	X
Polemoniaceae	Langloisia setosissima	bristly langloisia	X	
Polemoniaceae	Leptodactylon californicum	prickly phlox		X
Polemoniaceae	Linanthus aureus	golden linanthus	X	X
Polemoniaceae	Linanthus breviculus	Mojave linanthus	X	
Polemoniaceae	Linanthus dichotomus	evening-snow	X	X
Polemoniaceae	Linanthus parryae	sand-blossoms	X	
Polemoniaceae	Loeseliastrum matthewsii	desert calico	X	
Polemoniaceae	Loeseliastrum schottii	Schott's calico	X	X
Polygonaceae	Chorizanthe brevicornu var. brevicornu	brittle spineflower	X	
Polygonaceae	Chorizanthe corrugata	wrinkled spineflower	X	
Polygonaceae	Chorizanthe xanti	Xantus' spineflower	X	X
Polygonaceae	Eriogonum brachyanthum	short-flowered buckwheat	X	X
Polygonaceae	Eriogonum deflexum var. deflexum	flat-topped buckwheat	X	X
Polygonaceae	Eriogonum elongatum var. elongatum	long-stemmed buckwheat		X
Polygonaceae	Eriogonum fasciculatum var. foliolosum	California buckwheat	X	X

APPENDIX D

BIOLOGICAL RESOURCES

Antelope Transmission Project – Segments 2 & 3

FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Polygonaceae	Eriogonum fasciculatum var. polifolium	California buckwheat	X	X
Polygonaceae	Eriogonum gracillimum	rose and white buckwheat	X	X
Polygonaceae	Eriogonum heermannii	Heermann's buckwheat		X
Polygonaceae	Eriogonum inflatum var. ?	desert trumpet	X	
Polygonaceae	Eriogonum inflatum var. inflatum	desert trumpet	X	X
Polygonaceae	Eriogonum maculatum	spotted buckwheat	X	X
Polygonaceae	Eriogonum nidularium	birdnest buckwheat	X	X
Polygonaceae	Eriogonum ordii	Fort Mojave buckwheat	X	X
Polygonaceae	Eriogonum pusillum	yellow-turbans	X	X
Polygonaceae	Eriogonum trichopes var. trichopes	little desert buckwheat	X	X
Polygonaceae	Eriogonum viridescens	bright green buckwheat	X	X
Polygonaceae	Mucronea perfoliata	perfoliate spineflower		X
Polygonaceae	Polygonum arenastrum	common knotweed	X	X
Polygonaceae	Polygonum argycaulon	common knotweed	X	
Polygonaceae	Rumex angiocarpus	sheep sorrel		X
Polygonaceae	Rumex crispus	curly dock	X	X
Polygonaceae	Rumex conglomeratus	cluster dock		X
Portulacaceae	Calyptidium umbellatum	common pussypaws	X	X
Portulacaceae	Claytonia rubra ssp. depressa	red-stemmed spring beauty		X
Ranunculaceae	Delphinium parishii	Parish's larkspur	X	X
Resedaceae	Oligomeris linifolia	oligomeris	X	
Rhamnaceae	Ceanothus greggii var. perplexans	cupped-leaf ceanothus		X
Rhamnaceae	Ceanothus integerrimus	deer brush		X
Rhamnaceae	Ceanothus leucodermis	chaparral whitethorn		X
Rhamnaceae	Rhamnus californica ssp. californica	California coffeeberry		X
Rhamnaceae	Rhamnus crocea	redberry		X
Rhamnaceae	Rhamnus ilicifolia	hollyleaf redberry		X
Rosaceae	Adenostoma fasciculatum	chamise		X
Rosaceae	Cercocarpus betuloides var. betuloides	birch-leaf mountain-mahogany		X
Rosaceae	Prunus fasciculata	desert almond	X	X

APPENDIX D

BIOLOGICAL RESOURCES

Antelope Transmission Project – Segments 2 & 3

FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Rosaceae	<i>Prunus ilicifolia</i> ssp. <i>ilicifolia</i>	holly-leaf cherry		X
Rosaceae	<i>Purshia tridentata</i> var. <i>glandulosa</i>	desert bitterbrush	X	X
Rosaceae	<i>Rosa californica</i>	California wild rose		X
Rubiaceae	<i>Galium andrewsii</i> ssp. <i>intermedium</i>	phlox-leaved bedstraw		X
Salicaceae	<i>Populus fremontii</i> ssp. <i>fremontii</i>	Fremont cottonwood	X	X
Salicaceae	<i>Populus trichocarpa</i>	Fremont cottonwood		X
Salicaceae	<i>Salix exigua</i>	sandbar willow	X	X
Salicaceae	<i>Salix lasiolepis</i>	arroyo willow	X	X
Salicaceae	<i>Salix laevigata</i>	willow		X
Salicaceae	<i>Salix lucida</i> ssp. <i>lasiandra</i>	Pacific willow		X
Saxifragaceae	<i>Saxifraga californica</i>	California saxifrage		X
Scrophulariaceae	<i>Antirrhinum filipes</i>	tangled snapdragon	X	X
Scrophulariaceae	<i>Castilleja angustifolia</i>	northwestern paintbrush		X
Scrophulariaceae	<i>Castilleja exserta</i> ssp. <i>venusta</i>	purple owl's clover	X	X
Scrophulariaceae	<i>Castilleja foliolosa</i>	Texas paintbrush	X	X
Scrophulariaceae	<i>Collinsia heterophylla</i>	Chinese houses		X
Scrophulariaceae	<i>Mimulus bifidus</i>	two-lipped bush monkeyflower		X
Scrophulariaceae	<i>Mimulus bigelovii</i>	Bigelow's monkeyflower	X	
Scrophulariaceae	<i>Mimulus fremontii</i>	Fremont's monkeyflower	X	
Scrophulariaceae	<i>Mimulus guttatus</i>	common yellow monkeyflower	X	X
Scrophulariaceae	<i>Penstemon centranthifolius</i>	scarlet bugler		X
Scrophulariaceae	<i>Penstemon grinnellii</i> var. <i>scrophularioides</i>	Grinnell's beardtongue		X
Scrophulariaceae	<i>Penstemon incertus</i>	Mojave beardtongue	X	X
Scrophulariaceae	<i>Verbascum blattaria</i>	moth mullein	X	
Scrophulariaceae	<i>Verbascum thapsus</i>	turkey mullein		X
Selaginellaceae	<i>Selaginella bigelovii</i>	Bigelow's spike-moss	X	X
Solanaceae	<i>Datura stramonium</i>	Jimson weed	X	X
Solanaceae	<i>Datura wrightii</i>	toluaca	X	X
Solanaceae	<i>Lycium andersonii</i>	Anderson's desert-thorn	X	
Solanaceae	<i>Lycium brevipes</i>	desert-thorn	X	X

APPENDIX D**BIOLOGICAL RESOURCES***Antelope Transmission Project – Segments 2 & 3*

FAMILY	TAXON	COMMON NAME	SEGMENT 2	SEGMENT 3
Solanaceae	Lycium cooperi	Cooper's box-thorn	X	X
Solanaceae	Nicotiana glauca	tree tobacco		X
Solanaceae	Nicotiana obtusifolia	desert tobacco	X	X
Solanaceae	Solanum umbelliferum	blue-witch nightshade		X
Solanaceae	Solanum xanti	purple nightshade		X
Tamaricaceae	Tamarix ramosissima	saltcedar	X	X
Tamaricaceae	Tamarix tetandra	saltcedar	X	
Typhaceae	Typha angustifolia	narrow-leaf cattail	X	X
Urticaceae	Hesperocnide tenella	western stinging nettle		X
Urticaceae	Urtica dioica ssp. holosericea	hoary nettle		X
Viscaceae	Arceuthobium campylopodium	dwarf mistletoe		X
Viscaceae	Phoradendron californicum	desert mistletoe		X
Viscaceae	Phoradendron macrophyllum	big leaf mistletoe		X
Zygophyllaceae	Larrea tridentata	creosote bush	X	