



## Appendix A

### MSCP Covered Species in MU-3

Common Name	Scientific Name	Status	Conservation Significance
<b>PLANTS</b>			
San Diego thorn-mint	<i>Acanthomintha ilicifolia</i>	FT, CE, MSCP	Narrow endemic to San Diego County and northern Baja California
San Diego ambrosia	<i>Ambrosia pumila</i>	FE, MSCP	Narrow endemic to Riverside and San Diego counties and northern Baja California—major populations in Otay-Sweetwater area
Otay manzanita	<i>Arctostaphylos otayensis</i>	MSCP	Narrow endemic—majority of distribution in Otay-Sweetwater area, including San Miguel and McGinty Mtns
Orcutt's brodiaea	<i>Brodiaea orcuttii</i>	MSCP	Regional endemic to Ventura, Riverside, and San Diego counties and northern Baja California
Dense reed grass	<i>Calamagrostis densa</i>	MSCP	Major population on Otay Mountain
Dunn's mariposa lily	<i>Calochortus dunnii</i>	CR, MSCP	Regional endemic to southern San Diego County and northern Baja California; occurs on San Miguel Mtn
Orcutt's bird's beak	<i>Cordylanthus orcuttianus</i>	MSCP	Regional endemic—northern limit of range in Otay-Sweetwater area
Tecate cypress	<i>Cupressus forbesii</i>	MSCP	Narrow endemic—isolated populations on gabbroic and metavolcanic peaks in Southern California and northern Baja CA
Snake cholla	<i>Cylindropuntia californica</i> var. <i>californica</i>	MSCP	Narrow endemic—majority of distribution in Otay-Sweetwater area (Sweetwater River, Otay Ranch), northern Baja CA
Otay tarplant	<i>Deinandra conjugans</i>	FT, CE, MSCP	Narrow endemic—restricted to Otay-Sweetwater area; only 1 known occurrence in Baja; largest known population occurs on NWR
Variegated dudleya	<i>Dudleya variegata</i>	MSCP	Narrow endemic to San Diego County and northern Baja California; occurs on San Miguel Ranch
Palmer's ericameria	<i>Ericameria palmeri</i> ssp. <i>palmeri</i>	MSCP	Regional endemic; major populations in Otay-Sweetwater area
San Diego button-celery	<i>Eryngium aristulatum</i> ssp. <i>parishii</i>	FE, CE, MSCP	Narrow endemic restricted to vernal pools in San Diego County and northern Baja California except for a disjunct population at Santa Rosa Plateau



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Common Name	Scientific Name	Status	Conservation Significance
Coast barrel cactus	<i>Ferocactus viridescens</i> var. <i>viridescens</i>	MSCP	Regional endemic to South Coast Ecoregion; major populations in Otay-Sweetwater area
Mexican flannelbush	<i>Fremontodendron mexicanum</i>	FE, CR, MSCP	Narrow endemic—currently known only in Otay-Sweetwater area
Gander's pitcher sage	<i>Lepechinia ganderi</i>	MSCP	Narrow endemic on gabbroic or metavolcanic soils; major populations in Otay-Sweetwater area; San Miguel Mtn
Felt-leaved monardella	<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	MSCP	Narrow endemic; major population on Otay Mountain; suitable habitat on San Miguel and McGinty Mtns
Willowy monardella	<i>Monardella linoides viminea</i>	FE, CE, MSCP	Narrow endemic to San Diego County and limited in northern Baja; geographically disjunct population in Cedar Canyon
San Diego goldenstar	<i>Muilla clevelandii</i>	MSCP	Narrow endemic; major populations in Proctor Valley/Jamul Mtns, Otay Ranch, Otay Mesa, and south of Sweetwater Reservoir
Spreading navarretia	<i>Navarretia fossalis</i>	FT, MSCP	Regional endemic to vernal pools in S. CA and northern Baja CA; nearly 60% concentrated in 3 locations, 1 of which is on Otay Mesa
Dehesa beargrass	<i>Nolina interrata</i>	CE, MSCP	Regional endemic on gabbroic or metavolcanic soils; major pop'ns in Otay-Sweetwater area (S. Crest, McGinty Mtn, Sycuan Pk)
California Orcutt grass	<i>Orcuttia californica</i>	FE, CE, MSCP	Regional endemic from Los Angeles to San Quintín; 4 pool complexes on Otay Mesa
Otay mesa mint	<i>Pogogyne nudiuscula</i>	FE, CE, MSCP	Narrow endemic; only in 7 vernal pool complexes on Otay Mesa
Small-leaved rose	<i>Rosa minutifolia</i>	CE, MSCP	Only known U.S. occurrence is on Otay Mesa
San Miguel savory	<i>Satureja chandleri</i>	MSCP	Regional endemic to Orange/Riverside counties south to northern Baja CA; major populations on San Miguel Mtn, McGinty Mtn, Otay Mtn, Jamul Mtns
Gander's butterweed	<i>Senecio ganderi</i>	CR, MSCP	Narrow endemic to Riverside/San Diego counties on metavolcanic soils; major populations on McGinty Mtn and Sycuan Peak
Narrow-leaved nightshade	<i>Solanum xanti</i>	MSCP	Regional endemic to southern San Diego Co. and Baja California; major populations in Jamul Mtns, Otay Mtn, San Miguel Mtn
Parry's tetracoccus	<i>Tetracoccus dioicus</i>	MSCP	Regional endemic to Riverside and San Diego counties and Baja CA; major populations on San Miguel Mtn, McGinty Mtn, Sycuan Peak



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Common Name	Scientific Name	Status	Conservation Significance
<b>ANIMALS</b>			
Quino checkerspot butterfly	<i>Euphydryas editha quino</i>	FE	Regional endemic– Otay-Sweetwater area supports habitat complexes important to the recovery of this species
Thorne’s hairstreak	<i>Mitoura thornei</i>	MSCP	Regional endemic–larvae obligate to Tecate cypress
Riverside fairy shrimp	<i>Streptocephalus woottoni</i>	FE, MSCP	Regional endemic–occurs in vernal pools on Otay Mesa
San Diego fairy shrimp	<i>Branchinecta sandiegonensis</i>	FE, MSCP	Regional endemic– vernal pools on Otay Mesa and Proctor Valley
Arroyo toad	<i>Bufo californicus</i>	FE, CSC, MSCP	Occurs along Sweetwater River
California red-legged frog	<i>Rana aurora draytoni</i>	FT, MSCP	Historically occupied core area #34 along the Sweetwater River; potential for re-establishment
San Diego horned lizard	<i>Phrynosoma coronatum blainvillei</i>	CSC, MSCP	South Coast Ecoregion; sensitive to habitat fragmentation and edge effects
Orange-throated whiptail	<i>Cnemidophorus aspidosceles beldingi</i>	CSC, MSCP	Orange, Riverside, and San Diego counties to Baja California
Southwestern pond turtle	<i>Clemmys marmorata pallida</i>	CSC, MSCP	Petitioned for listing
Bald eagle	<i>Haliaeetus leucocephalus</i>	FT, CE, MSCP	Uses Sweetwater Reservoir for foraging
Golden eagle	<i>Aquila chrysaetos</i>	CSC, CFP, MSCP	Historically nested on San Diego NWR
Cooper’s hawk	<i>Accipiter cooperii</i>	CSC, MSCP	Major population in Otay-Sweetwater area
Northern harrier	<i>Circus cyaneus</i>	CSC, MSCP	Breeds in Otay-Sweetwater area (1 pair at San Miguel)
Ferruginous hawk	<i>Buteo regalis</i>	CSC, MSCP	Winter visitor, Rancho Jamul
Swainson’s hawk	<i>Buteo swainsoni</i>	CSC, MSCP	Migrant



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American peregrine falcon	<i>Falco peregrinus anatum</i>	CE, CFP, MSCP	Uses Sweetwater Reservoir for foraging
Burrowing owl	<i>Athene cunicularia</i>	CSC, MSCP	One of the few remaining nesting locations in San Diego County is on Otay Mesa; recent recolonization at Sweetwater Reservoir
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	FE, MSCP	Sweetwater River, Jamul Creek, Dulzura Creek
Least Bell's vireo	<i>Vireo bellii pusillus</i>	FE, CE, MSCP	Major populations along Sweetwater River; also nests on Dulzura Ck
Coastal cactus wren	<i>Campylorhynchus brunneicapillus couesi</i>	CSC, MSCP	Small population in Otay area; may soon be extirpated by lack of connectivity with Sweetwater population
Coastal California gnatcatcher	<i>Polioptila californica californica</i>	FT, CSC, MSCP	Major population in Otay-Sweetwater area
Rufous-crowned sparrow	<i>Aimophila ruficeps lambi (=canescens)</i>	CSC, MSCP	Santa Barbara to San Quintín; suffered habitat loss along coast and foothills; major research subject in Otay Sweetwater area
Western bluebird	<i>Sialia mexicana</i>	MSCP	Breeds in the Otay-Sweetwater area
Tricolored blackbird	<i>Agelaius tricolor</i>	CSC, MSCP	Only colony in MSCP known from Rancho Jamul
Southern mule deer	<i>Odocoileus hemionus</i>	MSCP	Wide-ranging; MSCP preserve design species
Mountain lion	<i>Felix concolor</i>	MSCP	Wide-ranging; MSCP preserve design species

FE = federally listed as Endangered

FT = federally listed as Threatened

CE = California listed as Endangered

CT = California listed as Threatened

CR = California listed as Rare

CFP = California Fully Protected Species

CSC = California Species of Concern

MSCP = species covered by Multiple Species Conservation Program