

FINAL

**Management and Monitoring
Strategic Plan for Conserved Lands in
Western San Diego County:
*A Strategic Habitat Conservation
Roadmap***

Volume 3: Appendices

2017

APPENDIX 1

MSP SPECIES AND VEGETATION PROFILES

A. LINKS TO SPECIES PROFILES

Table V3.App1A: Links to Species Profiles.

Scientific Name	Common Name	Management Category	Links to Species Profiles
Plants			
<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	SO	https://portal.sdmmp.com/species_profile.php?taxaid=32426
<i>Acmispon prostrates</i>	Nuttall's acmispon	SO	https://portal.sdmmp.com/species_profile.php?taxaid=820047
<i>Agave shawii</i> var <i>shawii</i>	Shaw's agave	SL	https://portal.sdmmp.com/species_profile.php?taxaid=810342
<i>Ambrosia pumila</i>	San Diego ambrosia	SO	https://portal.sdmmp.com/species_profile.php?taxaid=36517
<i>Aphanisma blitoides</i>	Aphanisma	SL	https://portal.sdmmp.com/species_profile.php?taxaid=20679
<i>Arctostaphylos glandulosa</i> ssp. <i>Crassifolia</i>	Del Mar manzanita	VF	https://portal.sdmmp.com/species_profile.php?taxaid=183557
<i>Arctostaphylos otayensis</i>	Otay manzanita	VF	https://portal.sdmmp.com/species_profile.php?taxaid=23507
<i>Arctostaphylos rainbowensis</i>	Rainbow manzanita	VF	https://portal.sdmmp.com/species_profile.php?taxaid=507811
<i>Baccharis vanessae</i>	Encinitas baccharis	SO	https://portal.sdmmp.com/species_profile.php?taxaid=183764
<i>Bloomeria clevelandii</i>	San Diego goldenstar	SS	https://portal.sdmmp.com/species_profile.php?taxaid=509575
<i>Brodiaea filifolia</i>	Thread-leaved brodiaea	SS	https://portal.sdmmp.com/species_profile.php?taxaid=42806
<i>Brodiaea orcuttii</i>	Orcutt's brodiaea	SO	https://portal.sdmmp.com/species_profile.php?taxaid=42815
<i>Brodiaea santarosae</i>	Santa Rosa brodiaea	SS	https://portal.sdmmp.com/species_profile.php?taxaid=810190
<i>Ceanothus cyaneus</i>	Lakeside ceanothus	VF	https://portal.sdmmp.com/species_profile.php?taxaid=28461

Appendix 1. Species and Vegetation Community Profiles

Scientific Name	Common Name	Management Category	Links to Species Profiles
<i>Ceanothus verrucosus</i>	Wart-stemmed ceanothus	VF	https://portal.sdmmp.com/species_profile.php?taxaid=28518
<i>Chloropyron maritimum</i> ssp. <i>Maritimum</i>	Salt marsh bird's-beak	SL	https://portal.sdmmp.com/species_profile.php?taxaid=834234
<i>Chorizanthe orcuttiana</i>	Orcutt's spineflower	SL	https://portal.sdmmp.com/species_profile.php?taxaid=21019
<i>Clinopodium chandleri</i>	San Miguel savory	SL	https://portal.sdmmp.com/species_profile.php?taxaid=565077
<i>Cylindropuntia californica</i> var. <i>californica</i>	Snake cholla	VF	https://portal.sdmmp.com/species_profile.php?taxaid=913470
<i>Dicranostegia orcuttiana</i>	Orcutt's bird's-beak	SL	https://portal.sdmmp.com/species_profile.php?taxaid=834156
<i>Dudleya blochmaniae</i>	Blochman's dudleya	SL	https://portal.sdmmp.com/species_profile.php?taxaid=502165
<i>Dudleya brevifolia</i>	Short-leaved dudleya	SL	https://portal.sdmmp.com/species_profile.php?taxaid=502166
<i>Dudleya variegata</i>	Variegated dudleya	SS	https://portal.sdmmp.com/species_profile.php?taxaid=502182
<i>Dudleya viscida</i>	Sticky dudleya	SS	https://portal.sdmmp.com/species_profile.php?taxaid=502185
<i>Ericameria palmeri</i> ssp. <i>Palmeri</i>	Palmer's goldenbush	VF	https://portal.sdmmp.com/species_profile.php?taxaid=527914
<i>Erysimum ammophilum</i>	Coast wallflower	SL	https://portal.sdmmp.com/species_profile.php?taxaid=22928
<i>Euphorbia misera</i>	Cliff spurge	VF	https://portal.sdmmp.com/species_profile.php?taxaid=28104
<i>Ferocactus viridescens</i>	San Diego barrel cactus	VF	https://portal.sdmmp.com/species_profile.php?taxaid=19801
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	SL	https://portal.sdmmp.com/species_profile.php?taxaid=21581
<i>Hazardia orcuttii</i>	Orcutt's hazardia	SL	https://portal.sdmmp.com/species_profile.php?taxaid=502882
<i>Hesperocyparis forbesii</i>	Tecate cypress	VF	https://portal.sdmmp.com/species_profile.php?taxaid=822589
<i>Lepechinia cardiophylla</i>	Heart-leaved pitcher sage	SL	https://portal.sdmmp.com/species_profile.php?taxaid=32553
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	Felt-leaved monardella	VF	https://portal.sdmmp.com/species_profile.php?taxaid=524318
<i>Monardella stoneana</i>	Jennifer's monardella	SL	https://portal.sdmmp.com/species_profile.php?taxaid=832834
<i>Monardella viminea</i>	Willow monardella	SL	https://portal.sdmmp.com/species_profile.php?taxaid=833060
<i>Nolina cismontane</i>	Chaparral nolina	SL	https://portal.sdmmp.com/species_profile.php?taxaid=507567

Scientific Name	Common Name	Management Category	Links to Species Profiles
<i>Nolina interrata</i>	Dehesa nolina	SO	https://portal.sdmmp.com/species_profile.php?taxaid=42992
<i>Packera gander</i>	Gander's ragwort	SO	https://portal.sdmmp.com/species_profile.php?taxaid=565357
<i>Quercus dumosa</i>	Nuttall's scrub oak	VF	https://portal.sdmmp.com/species_profile.php?taxaid=19323
<i>Quercus engelmannii</i>	Engelmann Oak	VF	https://portal.sdmmp.com/species_profile.php?taxaid=19329
<i>Rosa minutifolia</i>	Small-leaved rose	SS	https://portal.sdmmp.com/species_profile.php?taxaid=504824
<i>Tetracoccus dioicus</i>	Parry's tetracoccus	SS	https://portal.sdmmp.com/species_profile.php?taxaid=28420
Invertebrates			
<i>Euphydryas editha quino</i>	Quino checkerspot butterfly	SL	https://portal.sdmmp.com/species_profile.php?taxaid=779299
<i>Euphyes vestris harbisoni</i>	Harbison's dunn skipper	SL	https://portal.sdmmp.com/species_profile.php?taxaid=707282
<i>Lycaena hermes</i>	Hermes copper	SL	https://portal.sdmmp.com/species_profile.php?taxaid=777791
<i>Panoquina errans</i>	Wandering skipper	VF	https://portal.sdmmp.com/species_profile.php?taxaid=706557
Fish			
<i>Gila orcuttii</i>	Arroyo chub	SL	https://portal.sdmmp.com/species_profile.php?taxaid=553278
Amphibians			
<i>Anaxyrus californicus</i>	Arroyo toad	SO	https://portal.sdmmp.com/species_profile.php?taxaid=773514
Reptiles			
<i>Emys pallida</i>	Southwestern pond turtle	SL	https://portal.sdmmp.com/species_profile.php?taxaid=668677
Birds			
<i>Agelaius tricolor</i>	Tricolored blackbird	SL	https://portal.sdmmp.com/species_profile.php?taxaid=179060
<i>Aquila chrysaetos Canadensis</i>	Golden eagle	SO	https://portal.sdmmp.com/species_profile.php?taxaid=175408
<i>Athene cunicularia hypugaea</i>	Western burrowing owl	SL	https://portal.sdmmp.com/species_profile.php?taxaid=687093
<i>Campylorhynchus brunneicapillus sandiegensis</i>	Coastal cactus wren	SO	https://portal.sdmmp.com/species_profile.php?taxaid=917698

Appendix 1. Species and Vegetation Community Profiles

Scientific Name	Common Name	Management Category	Links to Species Profiles
<i>Charadrius nivosus nivosus</i>	Western snowy plover	SL	https://portal.sdmmp.com/species_profile.php?taxaid=824565
<i>Circus cyaneus</i>	Northern harrier	SO	https://portal.sdmmp.com/species_profile.php?taxaid=175430
<i>Empidonax traillii extimus</i>	Southwestern willow flycatcher	SL	https://portal.sdmmp.com/species_profile.php?taxaid=712529
<i>Poliophtila californica californica</i>	Coastal California gnatcatcher	VF	https://portal.sdmmp.com/species_profile.php?taxaid=925072
<i>Rallus obsoletus levipes</i>	Light-footed Ridgway's rail	SO	https://portal.sdmmp.com/species_profile.php?taxaid=176211
<i>Sternula antillarum browni</i>	California least tern	SO	https://portal.sdmmp.com/species_profile.php?taxaid=825084
<i>Vireo bellii pusillus</i>	Least Bell's vireo	SO	https://portal.sdmmp.com/species_profile.php?taxaid=179007
Mammals			
<i>Antrozous pallidus</i>	Pallid bat	SL	https://portal.sdmmp.com/species_profile.php?taxaid=180006
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	SO	https://portal.sdmmp.com/species_profile.php?taxaid=180247
<i>Odocoileus hemionus fuliginata</i>	Southern mule deer	SS	https://portal.sdmmp.com/species_profile.php?taxaid=898459
<i>Plecotus townsendii pallescens</i>	Townsend's big-eared bat	SO	https://portal.sdmmp.com/species_profile.php?taxaid=203457
<i>Puma concolor</i>	Mountain lion	SL	https://portal.sdmmp.com/species_profile.php?taxaid=552479
<i>Taxidea taxus</i>	American badger	SL	https://portal.sdmmp.com/species_profile.php?taxaid=180565

B. LINKS TO VEGETATION COMMUNITY PROFILES**Table V3.App1B: Links to Vegetation Community Profiles.**

Veg Community	Link to Profile
Coastal Sage Scrub	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_1
Oak Woodland	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_10
Dunes & Coastal Bluffs	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_13
Grassland	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_2
Chaparral	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_3
Vernal Pool/Alkali Playa	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_4
Freshwater Marsh	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_5
Salt Marsh	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_6
Riparian Forest & Scrub	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_7
Torrey Pine Forest	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_8
Southern Interior Cypress Forest	https://portal.sdmmp.com/veg_community_profile.php?taxaid=SDMMP_vegcom_9

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APPENDIX 2

BEST MANAGEMENT PRACTICES SUPPORTING DOCUMENTS

A. CACTUS RESTORATION

1. TNC and SDMMP. 2015. South San Diego County Coastal Cactus Wren (*Campylorhynchus brunneicapillus*) Habitat Conservation and Management Plan. Prepared for San Diego Association of Governments. Prepared by The Nature Conservancy in collaboration with San Diego Management and Monitoring Program.

https://portal.sdmmp.com/view_article.php?cid=CiteID_1603251358358990

2. Doderer, M. 1998. Guidelines for Cactus Salvage and Propagation. Prepared by Mark Doderer, RECON Environmental Inc. 10/20/08. PDF. 4 pages.

https://portal.sdmmp.com/view_article.php?cid=CID_ctamanah%40usgs.gov_574db20e618cb

3. Hamilton, R. 2009. Restoration Guidelines for "Coastal" Cactus Wrens. Updated 5-04-09. Prepared by Robert A. Hamilton, Hamilton Biological. Commissioned by the Conservation Biology Institute and The Nature Conservancy. PPT. 84 slides.

https://portal.sdmmp.com/view_article.php?cid=CID_ctamanah%40usgs.gov_574db2f5d1450

B. SEED COLLECTION

1. Way, M. and K. Gold. 2008. Assessing a Potential Seed Collection. Millennium Seed Bank Project KEW. Technical Information Sheet_02. Board of Trustees of the Royal Botanic Gardens, Kew. West Sussex. PDF. 2 pages.

https://portal.sdmmp.com/view_article.php?cid=CID_eperkins@usgs.gov_58db06116e703

2. Way, M. and K. Gold. 2008. Seed Collecting Techniques. Millennium Seed Bank Project KEW. Technical Information Sheet_03. Board of Trustees of the Royal Botanic Gardens, Kew. West Sussex. PDF. 2 pages.

https://portal.sdmmp.com/view_article.php?cid=CID_eperkins@usgs.gov_58db071d30d13

3. Kew. 2001. Field Manual for Seed Collectors: Seed Collecting for the Millennium Seed Bank Project, Royal Botanic Gardens, Kew. PDF. 21 pages.

https://portal.sdmmp.com/view_article.php?cid=CID_eperkins@usgs.gov_58db07d2b3e50

4. Wall, Michael. 2009. Seed Collection Guidelines for California Native Plant Species. Prepared for Rancho Santa Ana Botanic Garden. PDF. 25 pages.

https://portal.sdmmp.com/view_article.php?cid=CID_eperkins@usgs.gov_58db096f2a71f

C. WEED REMOVAL

1. Conservation Biology Institute. 2014. "Brachypodium Control: Experimental Treatments to Control Brachypodium An Adaptive Approach for Conserving Endemic Species San Diego County, California."

https://portal.sdmmp.com/view_article.php?cid=CiteID_1603251358356560

2. Land IQ, and Conservation Biology Institute. 2015. "South County Grasslands Project Phase 2 2015 Final Report." San Diego, California.

https://portal.sdmmp.com/view_article.php?cid=CID_201604011922_132
3. Tu, M., Hurd, C. and J.M. Randall. 2001. Weed Control Methods Handbook, The Nature Conservancy, <http://tncweeds.ucdavis.edu>, version: April 2001. PDF. 219 pages.

https://portal.sdmmp.com/view_article.php?cid=CID_eperkins@usgs.gov_58db0b2e86a2a
4. DiTomaso, J.M., G.B. Kyser, and M.J. Pitcairn. 2006. Yellow Starthistle Management Guide. Cal-IPC Publication 2006-03. California Invasive Plant Council: Berkeley, CA. 78 pp. Available: www.cal-ipc.org.

https://portal.sdmmp.com/view_article.php?cid=CID_eperkins@usgs.gov_58db0b8753641

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APPENDIX 3
MSP SPECIES AND VEGETATION COMMUNITY
SUPPORTING DOCUMENTS

A. WESTERN BURROWING OWL

1. Western Burrowing Owl Habitat Conservation and Management Plan
(to be posted on the SDMMP website when finalized)

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APPENDIX 4

MSP THREATS/STRESSORS SUPPORTING DOCUMENTS

A. ALTERED FIRE REGIME

1. 2015 Fire Workshop Materials (to be posted when finalized)

B. LOSS OF CONNECTIVITY

1. 2014 Connectivity Workshop Materials (to be posted when finalized)
2. Incorporating Genetic Sampling in Long-Term Monitoring and Adaptive Management in San Diego County. (to be posted when finalized)

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