

City of San Diego MSCP Rare Plant Monitoring: 2006 Summary Results

Species	Site Name	Population				Native		Non-Native		Management Recommendation	Field Data Sht (pg. #)	Photo (pg. #)
		Area (m ²) ¹	Area (ft ²) ¹	# Individuals	% Cover	Number of Species ²	Percent Cover ^{2,3}	Number of Species	% Cover ³			
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> (Del Mar Manzanita)	Carmel Mountain	800 (Est)	8,611 (Est)	10 (Est)	20%	5	44%	NA	NA	Monitor trail use & install barriers if needed	26	27
	Crest Canyon - 1 / South	800 (Est)	8,611 (Est)	10 (Est)	2%	10	71%	1	1%	Control invasives in canyon	28	29
	Crest Canyon - 2 / North	800 (Est)	8,611 (Est)	100 (Est)	2%	11	42%	1	2%	<i>Ehrarta</i> spp. control; Educational outreach with neighbors regarding invasives	30	31
<i>Cordylanthus orcuttianus</i> (Orcutt's Bird's Beak)	Otay River Valley	800 (Est)	8,611 (Est)	150 (Est)	15%	8	7%	3	3%	Monitor / limit trail width; Control invasives	32	33
<i>Deinandra conjugens</i> (Otay Tarplant)	Proctor Valley	3,347	36,030	150 (Est)	1%	11	19%	12	19%	Control invasives; Close trail/control off-road activity	34	35

Multiple Species Conservation Program (MSCP) Rare Plant Field Survey Form



Scientific Name: Cordylanthus orcutti Common Name: Orcutt's Bird's Beak
 Site Name: Otay River Valley Park Management Unit #: TBD
 Date: July 7, 2006 Management Regime: TBD
 Surveyors and Affiliation/Agency: Melanie Johnson Rocky - City of SD MSCP
 Species Found? Yes No Josh Garcia - City of SD Park Rec
 If not, why (if reason known or suspected)?
 Total No. Individuals: 100-200 Exact Estimate (use orders of 10, 100 and 1000 for estimates)
 Population/Subpopulation Area: _____ Exact (based on GPS mapping) Estimate
 Units
 Collection (if not collected previously)? Yes No Collected Previously
 If yes: _____
 Collector _____ Collection Number _____ Museum/Herbarium _____

I. OBSERVATION AREA/MANAGEMENT UNIT LOCATION

Accuracy of Coordinates/GPS Error: +/- _____ meters feet

Observation Location: _____ State Plane (feet) UTM

II. GENERAL HABITAT DESCRIPTION AND THREATS ASSESSMENT

Vegetation Community: Diagon Coastal Sage Scrub

Landowner/Manager: City of San Diego Park & Rec open space

Overall Site Quality** Very Good-Excellent Fair to Good Poor Very Poor

Surrounding land use: _____

Disturbances and/or threats (be specific, include extent of disturbance or percent cover of disturbance if possible):
Trail widened?

Management Recommendation/s:
Monitor trail width and limit expansion
Monitor and control non-natives

III. ASSOCIATED SPECIES

List dominant, subdominant and invasive species in/near target species observation area/management unit.

Form: Tree=T, Shrub=S, Herb/Graminoid=H; 'Cover' = % cover of species; Note if collected by checking 'Coll.' column; if submitted to herbarium, note collection number (submit to SDNHM unless otherwise noted); Use * to indicate non-native species

Form	Species	Cover	Coll.	Form	Species	Cover	Coll.
H	<u>Cordylanthus orcutti</u>	<u>15</u>		H	<u>Eragrostis ciliaris</u> sp.	<u><1</u>	<input checked="" type="checkbox"/>
S	<u>Baccharis sarothroides</u>	<u>3</u>		H	<u>Avena barbata</u> *	<u><1</u>	
S	<u>Artemisia californica</u>	<u>1</u>		H	<u>Eragrostis</u> sp.	<u><1</u>	<input checked="" type="checkbox"/>
	<u>Heteromeles arbutifolia</u>	<u><1</u>		H	<u>Isoloma decumbens</u> (2) menziesii	<u><1</u>	<input checked="" type="checkbox"/>
S	<u>Rhamnus californica</u> crocea	<u><1</u>	<input checked="" type="checkbox"/>				
H	<u>Bromus madrikanis</u> *	<u><1</u>	<input checked="" type="checkbox"/>				
	<u>Lotus</u> (c.f. hamatus)	<u><1</u>	<input checked="" type="checkbox"/>				
	<u>Vulpia myuros</u> var. <u>myuros</u>	<u><1</u>	<input checked="" type="checkbox"/>				

IV. SITE PHOTOMONITORING

Camera type: Canon Powershot A75

Location [State Plane (ft)]	<u>N, NE, E</u>	Direction (facing)	<u>8"</u>	Height	<u>10-15°</u>	Camera Angle	<u>1-3</u>	Photo #	File location/s
Location [State Plane (ft)]		Direction (facing)		Height		Camera Angle		Photo #	File location/s

V. OTHER FIELD NOTES

Other Field Notes/Comments: _____

** Use Trudgen & Keighery Vegetation Condition Scale Descriptions (see back of form or instructions)

**Photo 14. *Cordylanthus orcuttianus* (Orcutt's Bird's Beak)
Otay River Valley**



Panorama of observation area, facing north, northeast and east (photos merged using Canon PhotoStitch, v. 3.1).

Acknowledgments

The following staff assisted in the preparation of this report:

Melanie Johnson Rocks, Biologist III
Keith Greer, Deputy Planning Director
Lisa Markovchick-Nicholls, MSCP Intern

**City of San Diego MSCP Rare Plant Monitoring:
2006 Field Dates and Staff**

Species	Risk Group (SDSU 3/06)	Site	Survey Date	Field Staff	Methodology
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> (Del Mar Manzanita)	First	Crest Canyon	14-Apr	MJR, JG	Photo, Habitat Assessment
		Crest Canyon	20-Apr	MJR, JG	
		Carmel Mountain	28-Apr	MJR, JG, KG	
<i>Navarretia fossalis</i> (Spreading Navarretia)	First	Carroll Canyon	18-May	MJR, JG, LMN	Photo, Habitat Assessment
		Nobel Drive	18-May	MJR, JG, LMN	
		Robinhood Ridge	16-May	MJR, BM, LMN	
<i>Orcuttia californica</i> (California Orcutt Grass)	First	Robinhood Ridge	16-May	MJR, BM, LMN	Photo, Habitat Assessment
<i>Pogogyne nudiuscula</i> (Otay Mesa Mint)	First	Robinhood Ridge	16-May	MJR, BM, LMN	Photo, Habitat Assessment
<i>Acanthomintha illicifolia</i> (San Diego Thorn-mint)		Black Mountain Pk W (BMR)	19-May	MJR, KG, MK	Census, Photo, Habitat Assessment, Quantitative
		Mission Trails ^	26-May	MJR, KG, JF, LH	
		Penasquitos Cyn	19-May	MJR, KG, MK	
		Sabre Springs	19-May	MJR, KG, MK	
		Sabre Springs	19-May	MJR, KG, MK	
<i>Ambrosia pumila</i> (San Diego Ambrosia)	First	Mission Trails Regional Park	8-Jun	MJR, LMN	Photo, Habitat Assessment
<i>Dudleya variegata</i> (Variegated Dudleya)	Second	Black Mtn Pk - E (BMR)	10-May	MJR, BM	Photo, Habitat Assessment
		Black Mountain Pk W (BMR)	19-May	MJR, MK	
		East Elliot	26-May	KG, MJR, BM	
		East Elliot	1-Jun	MJR, JG	
		Goat Mesa	16-May	MJR, BM, LMN	
		Marron Valley	2-May	MJR	
		Mercy Road	10-May	MJR, BM	
		Mission Trails ^	26-May	MJR, KG, JF, LH	
		Otay Lakes ^	24-May	MJR, LMN	
		Santa Luz (BMR)	10-May	MJR, BM	
<i>Dudleya blochmaniae</i> subsp. <i>brevifolia</i> (Short-Leaf Dudleya)	First	Carmel Mountain	2-Jun	KG, MJR, BM, LH	Photo, Habitat Assessment, Quantitative @ Pop 3
		Crest Canyon	2-Jun	KG, MJR, LH	
		Skeleton Canyon	2-Jun	KG, MJR, LH	

City of San Diego MSCP Rare Plant Monitoring: 2006 Field Dates and Staff

Species	Risk Group (SDSU 3/06)	Site	Survey Date	Field Staff	Methodology
<i>Lotus nuttallianus</i> (Nuttall's lotus)	First	Hospitality Pt	18-May	MJR, JG, LMN	Photo, Habitat Assessment
		No Men's Land	1-Jun	MJR, JG	Photo, Habitat Assessment
		South Shores	1-Jun	MJR, JG	Photo, Habitat Assessment
		Dunes Triangle	1-Jun	MJR, JG	Photo, Habitat Assessment
<i>Monardella viminea</i> (Willowly Monardella)	Second	Lopez Canyon	14-Jun	MJR, LMN, MKI	Quantitative, Photo, Habitat Assessment
		Marron Valley	30-Jun	MJR, BM, PS	Quantitative
		Sycamore Canyon [^]	20-Jun	KG, LMN	Quantitative, Photo, Habitat Assessment
		Otay Lakes [^]	12-Jul	MJR, PS, LMN	Habitat Assessment, Photo
<i>Deinandra conjugens</i> (Otay Tarplant)	First	Proctor Valley [^]	16-Jun	MJR, PS	Photo, Habitat Assessment
<i>Cordylanthus orcuttianus</i> (Orcutt's Bird's Beak)	First	Otay River Valley	7-Jul	MJR, JG	Quantitative, Photo, Habitat Assessment

[^] Survey site is located in Oct 2003 fire-affected area

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