

City of San Diego MSCP Rare Plant Monitoring: 2009 Summary Results

Species	Site Name	Population				Native		Non-Native		Management Recommendation's	Field Data Sht (pg.#)	Photo number
		Area (m ²) ¹	Area (ft ²) ¹	# Individuals	Percent cover	Number of Species ²	Percent Cover ^{2,3}	Number of Species	Percent Cover ³			
	Torrey Highlands	391	4207	750	10%	13	28%	2	3%	Monitor trail, fence if expanding	214	70
<i>Lotus nuttallianus</i> (Nuttall's Lotus)	Mission Bay Mariner's Point	200.0	2152.0	†	Presence/absence only	†	†	†	†	None	222	73
	Mission Bay Dune Triangle	50.7	546.0	0	0%	4	14%	5	23%	Weeding	218	71
	Mission Bay Hospitality Point	5505.0	59258.0	500	4%	3	13%	4	5%	None	220	72
	No Man's Land (Mission Bay Site #1)	35465.7	381762.0	1500	3%	4	15%	6	38%	Weed removal	224	74
	SD River Rip Rap (Mission Bay Site #3)	107724.3	115973.5	100	Presence/absence only	†	†	†	†	None	226	75
	South Shores (Mission Bay Site #6)	27668.8	297834.0	50	1%	3	5%	5	89%	Weeding	228	76
Note: Presence/absence only surveys conducted at Mariner's Point and San Diego River Rip Rap.												
<i>Monardella stoneana</i> (Jennifer's Monardella)	Marron Valley	13340.0	142539.0	95	2%	15	34%	7	23%	Area fire management plan was prepared in 2006/2007	232	77
<i>Monardella viminea</i> (Willow Mondardella)	Lopez Canyon West Terrace #1	1459.2	15700.0	1	1%	11	29%	1	20%	Focused weed removal-mustard, grasses	238	78
	Lopez Canyon East of Bridge #2	404.0	4347.0	5	1%	12	15%	4	14%	None	240	79
	Lopez Canyon East of Bridge #3	1650.0	17754.0	3	0%	7	12%	4	4%	Erosion control	242	80
	Marron Valley (Monardella stoneana)	13340.0	143539.0	95	200%	15	34%	7	23%	Area fire management plan was prepared in 2006/2007	228	76
	Otay Lakes	0.0	0.0	0	0%	22	57%	8	22%	None	244	81
	Sycamore Canyon	15970.4	171842.0	43	5%	14	17%	9	75%	Weed if possible given remote location	248	82
<i>Navaretia fossalis</i> (Spreading Navaretia)	Carroll Canyon	1866.5	20090.3	118	1%	16	58%	4	4%	Continue annual maintenance and fence repair as needed	254	83
	Goat Mesa (Spring Canyon)	293.0	3150.0	0	0%	7	14%	9	39.0%	Maintain perimeter fence, weed	258	84
	Nobel Drive	15781.0	169867.3	87	1%	12	20%	9	21%	Continue to maintain fences	260	85
	Otay Lakes	2.7	30.0	53	0.5%	9	80%	7	31%	Vehicle barriers installed 2008	264	86
	Robinhood Ridge	71.5	770.0	50	1%	11	28%	5	19%	Weeding in upland areas	266	87
<i>Pinus torreyana</i> ssp. <i>torreyana</i> (Torrey Pine)	Crest Canyon Obs. 1	†	†	†	†	†	†	†	†	†	†	†
	Crest Canyon Obs. 2	†	†	†	†	†	†	†	†	†	†	†
<i>Pogogyne abramsii</i> (San Diego Mesa Mint)	Carroll Canyon	173.0	1865.9	250	7%	19	25%	5	9%	Continue annual maintenance and fence repair as necessary	270	88
	Del Mar Mesa Obs. 1	50.0	538.0	500	1%	21	26%	5	8%	Remove old rebar and chicken wire around reval pool	274	89
	Del Mar Mesa Obs. 2	304.5	3278.0	800	2%	15	27%	6	21%	Continue to restrict access via fencing	278	90
	General Dynamics West	42.0	452.5	300	5%	13	22%	5	32%	Upland weeding, maintain access restrictions	282	91
	Lopez Canyon	419.0	4509.0	5000	10%	16	96%	7	22%	Maintain access restrictions via fencing	286	92
<i>Pogogyne nudiuscula</i> (Olay Mesa Mint)	Robinhood Ridge	71.5	770.0	120	4	10	29	6	21	Weeding in upland areas	292	93
<i>Rosa minutifolia</i> (Small-leaved Rose)	Dennery Ranch	250.0	2690.0	13	2%	8	21%	9	45%	Weed control	296	94
† No data collected												

Mountaineer Trudgen & Keighery Vegetation Condition Scale

Very Good-Excellent	80-100% Native Flora Composition Vegetation Structure intact or nearly so Cover /abundance of weeds < 5% No or minimal signs of disturbance
Fair to Good	50-80% Native Flora Composition Vegetation structure modified or somewhat modified Cover/abundance of weeds 5-20% any number of individuals Possible minor signs of disturbance
Poor	20-50% Native Flora Composition Vegetation structure modified Cover/abundance of weeds 20-60% any number of individuals Disturbance incidence high
Very Poor	0-20% Native Flora Composition Vegetation Structure disappeared Cover/abundance of weeds 60-80% any number of individuals Disturbance incidence very high

<u>Species</u>	<u>% Cover</u>
<i>Navaretia lomata</i>	<1
<i>Crassula aquatic</i>	1
<i>Centaurium venustum</i>	<1

**Photo 91. *Pogogyne abramsii* (San Diego Mesa Mint)
General Dynamics Western Observation**



Panorama from Southwestern edge of population, facing Southwest, West, Northwest, North.
Panorama location is 6291521.99 1880728.51 NAD83 State Plane California Zone 6 (feet)
Photos merged using ArcSoft Panorama Maker 4.

Acknowledgments

The following staff assisted in the preparation of this report:

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