

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			
<i>Acanthomintha ilicifolia</i> (San Diego Thorn-mint)	Black Mountain	5.0	54.0	3	0.5%	13	15%	3	85%	Weeding	8	1
	Dennery Ranch East	800.0	8608.0	500	1.0%	10	28%	6	22%	Control Weeds	12	2
	Mission Trails Regional Park	16.0	172.0	150	1%	14	18%	8	81%	Weeding	16	3
	Otay Lakes	†	†	†	†	†	†	†	†	†	†	†
	Penasquitos Canyon Obs. 1	4.0	43.1	103	1%	10	24%	4	69%	Weeding, Continue to maintain fence	20	4
	Penasquitos Canyon Obs. 2	5.7	61.1	60	2%	10	16%	6	61%	Weeding	22	5
	Penasquitos Canyon Obs. 3	8.0	86.1	15	1%	7	39%	6	32%	Weeding, Maintain fence	24	6
	Sabre Springs East Subpopulation	9.0	96.9	200	5%	7	48%	7	72%	Manage mustard and other invasives through weeding	26	7
	Sabre Springs South Subpopulation	225.0	2421.0	600	3%	8	26%	12	63%	Weeding to remove exotics	30	9
	Sabre Springs West Subpopulation	225.0	2421.0	150.0	3%	5	12%	8	28%	Weeding	28	8
Note: Primary invasives at all <i>A. ilicifolia</i> sites are Black Mustard (<i>Brassica nigra</i>), Tocolote (<i>Centaurea melitensis</i>), and non-native grasses.												
<i>Agave shawii</i> (Shaw's Agave)		Note: Monitoring location appears to be on lands not owned by the City of San Diego.										
<i>Ambrosia pumila</i> (San Diego Ambrosia)	Mission Trails Regional Park Kumeyaay Lake	16809.0	180931.0	7000	1%	10	13%	8	83%	Implement weed control per CNLM study when complete, continue fence maintenance	36	10
<i>Arctostaphylos glandulosa</i> ssp. <i>Crassifolia</i> (Del Mar Manzanita)	Crest Canyon #1 South	†	†	†	†	†	†	†	†	†	†	†
	Crest Canyon #1 South	†	†	†	†	†	†	†	†	†	†	†
	Crest Canyon #2 North	†	†	†	†	†	†	†	†	†	†	†
	Del Mar Mesa Obs. 1	†	†	†	†	†	†	†	†	†	†	†
	Del Mar Mesa East Obs. 2	†	†	†	†	†	†	†	†	†	†	†
	Penasquitos Canyon	†	†	†	†	†	†	†	†	†	†	†
	San Dieguito River Bluffs Obs. 1	†	†	†	†	†	†	†	†	†	†	†
<i>Baccharis vanessae</i> (Encinitas Baccharis)	†	†	†	†	†	†	†	†	†	†	†	†

<u>Species</u>	<u>% Cover</u>
* <i>Bromus madritensis</i> ssp. <i>madritensis</i>	1
* <i>Bromus hordeaceus</i>	1
* <i>Arrhizus arvensis</i>	<1
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Bare ground	5
<i>Dichostemma capitatum</i>	<1
<i>Eriogonum fasciculatum</i>	1
<i>Ferocactus viridescens</i>	1
<i>Melospiza laurina</i>	3

**Photo 3. *Acanthomintha ilicifolia* (San Diego Thornmint)
Mission Trails Regional Park**



Panorama from Western edge of population, facing North, Northeast, East, Southeast, South.
Panorama location is 6308619.848 1881117.522 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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