

***Brodiaea filifolia* - Thread-leaved brodiaea**

Occurrence ID	IMA?	Fire IMA?	MU	Occurrence Name	Preserve	Land Owner	Land Manager	Max Pop Size	Year of Max Pop	Most Recent Pop Size	Year of Recent Pop Size	Threats	Source
<i>Very Large Occurrences</i>													
BRFI_6LECA010	Yes	No	6	Letterbox Canyon-Taylor Made	Letterbox Canyon-Taylor Made	Taylor Made Golf	Helix Community Conservancy			1,100,000	2005	Site highly invaded by exotic annual plants. Also threatened by disking for fire control, trash dumping, foot traffic and development.	MOM; USFWS 2009; V Scheidt Pers. Comm.
BRFI_6LECA012	Yes	No	6	Letterbox Canyon-Newton Business Center	Carlsbad Highlands Ecological Reserve	California Department of Fish and Wildlife	California Department of Fish and Wildlife			39,522	2005	Site highly invaded by exotic annual plants. Also threatened by disking for fire control, trash dumping, foot traffic and development.	MOM; USFWS 2009; CNDDB 2013
BRFI_6RLCO019	Yes	No	6	Rancho La Costa North and South	Rancho La Costa Habitat Conservation Area	Center for Natural Lands Management	Center for Natural Lands Management			50,000	2012	Threatened by present agriculture, makeshift housing structures and nonnative plant species. Development has extirpated eastern most colony.	MOM; CNDDB 2013
<i>Large Occurrences</i>													
BRFI_6MOCE015	No	No	6	Mount Olive Cemetary	Mount Olive Cemetary Assn.	Mount Olive Cemetary Assn.	Mount Olive Cemetary Assn.			2,000	2003	Threatened by invasive non-native plants; surrounding revegetation may result in habit at being converted to coastal sage scrub.	MOM; CNDDB 2013
BRFI_6RLCO018	Yes	No	6	Rancho La Costa North	Rancho La Costa Habitat Conservation Area	Center for Natural Lands Management	Center for Natural Lands Management			1,531	2009	Invasive annual grasses, Brachypodium distachyon.	MOM
BRFI_6BVCR004	Yes	No	6	Buena Vista Creek Ecological Reserve	Buena Vista Creek Ecological Reserve	California Department of Fish and Wildlife	Center for Natural Lands Management			1,300	2010	Invasive annual plants, seepage from adjacent development.	MOM
BRFI_6MGDR014	No	No	6	Mission Gate Drive	Mission Gate Drive	Standard Pacific Corp	Standard Pacific Corp			1,310	2004	Invasive non-native plants.	MOM; CNDDB 2013

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<i>Small Occurrences</i>													
BRFI_6CAHI006	Yes	No	6	Calavera Hills Village X	Calavera Hills Ph 2 & Robertson Ranch	Calavera Hills HOA	Center for Natural Lands Management			767	2010	Invasive non native grasses and forbs	MOM; CNLM 2011; CNLM 2013 GIS Data
BRFI_6CONO007	Yes	No	6	Carlsbad Oaks North Habitat Conservation Area	Carlsbad Oaks North Habitat Conservation Area	Center for Natural Lands Management	Center for Natural Lands Management	728	2010	714	2012	Invasive non-native forbs and grasses, including Brachypodium sp; off-leash dogs.	MOM; P McConnell Pers. Comm., M Spiegelberg MSP Comment #24
BRFI_6CAHI005	Yes	No	6	Calavera Hills Village H	Calavera Hills and Robertson Ranch Habitat Conservation Area	Calavera Hills Masters Assoc	Center for Natural Lands Management	2,351	2008	631	2010	Invasive annual plants, including artichoke thistle, garland chrysanthemum, non-native grasses; trampling, urban runoff.	MOM; CNLM 2011; CNLM 2013 GIS data
BRFI_6LACA008	Yes	No	6	Lake Calavera	Lake Calavera Municipal Mitigation Parcel	City of Carlsbad	Center for Natural Lands Management			412	2012	Invasive non-native annual plants, trails, fuel management.	MOM; M Spiegelberg MSP Comment #21
BRFI_64SRA009	No	No	6	4S Ranch Specific Plan Habitat Management Area	4-S Ranch Specific Plan Habitat Management Area	4-S Ranch Masters Assn	4-S Ranch Masters Assn			18	2008	Invasive annual and perennial plants including artichoke thistle and fennel.	MOM; Dudek 2009
BRFI_6BMLO003	Yes	No	6	Black Mountain Open Space	Black Mountain Open Space Park	City of San Diego	City of San Diego Park and Recreation Department			100	2010	Unknown; there may be many more plants on adjacent hillsides	MOM; Miller 2013, Comments on MSP Appendix Table 1
BRFI_6BMRA002	No	No	6	Heritage Bluffs at Black Mountain Ranch	Black Mountain Ranch LLC	Black Mountain Ranch LLC	Black Mountain Ranch LLC			10	2015	Plants within proposed development footprint.	MOM Rare Plants 2015; City of San Diego

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BRFI_6MDOR013	No	No	6	Mission Del Oro	Mission Del Oro HOA	Mission Del Oro HOA	Mission Del Oro HOA			20	2006	Site is on private parcel surrounded by development.	MOM; CNDDB 2013
BRFI_6RACA017	Yes	No	6	Rancho Carrillo	Rancho Carrillo HOA	Rancho Carrillo Master HOA	Rancho Carrillo Master HOA	797,000	2005	0	2011	unknown	MOM; CNLM 2011
BRFI_8DECA020	Yes	Yes	8	Devil Canyon	Cleveland National Forest	U.S. Forest Service	U.S. Forest Service	2,000	1992	No data	2006	Invasive non-native plants, trampling, soil saturation	MOM; CNDDB 2013
BRFI_8NEMI016	No	No	8	New Millenium, Rancho Santalina, Loma Alta	Private	Private	Unknown	12,000	2004	45	2007	Unknown threats; most of population developed in 2005	MOM; CNDDB 2013
BRFI_6ARTR001	No	No	6	Artesian Trails	Artesian Trails	Centurion Artesian Trails Corp.	Centurion Artesian Trails Corp.	688	2003	No data	2005	Trampling, invasive nonnative plants, especially artichoke thistle. Threatened by nearby development. No count data provided in 2005.	MOM; CNDDB 2013
BRFI_6LACA021	Yes			Carlsbad Highlands	Carlsbad Highlands Ecological Reserve	California Department of Fish and Wildlife	California Department of Fish and Wildlife			No data	2016	unknown	MOM Rare Plants 2016