

Appendix B

Special Status Plants

Background documents, as well as the California Department of Fish and Wildlife California Natural Diversity Database (2012), the California Native Plant Society Inventory of Rare and Endangered Plants of California (CNPS 2012), and U.S. Fish and Wildlife Service species (USFWS) list for Monterey County (USFWS 2012) were searched to gather information about special status plant species documented within the CASP units. Tables B-1 through B-4 contain detailed information on all special status plants known to occur or with potential to occur in each of the CASP units. Species that are known to occur within the CASP units are shown in **bold**.

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Hickman's onion <i>Allium hickmanii</i>	-	IB.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland; 5 to 200 meters elevation; blooms March through May	Could occur in Monterey pine forest, Monterey cypress forest, coastal prairie, coastal scrub, or other grasslands.
Little Sur manzanita <i>Arctostaphylos edmundsii</i>	-	IB.2	Coastal bluff scrub and chaparral, in sandy soils; 30 to 105 meters elevation; blooms November through April	Could occur in coastal scrub.
Hooker's manzanita <i>A. hookeri</i> ssp. <i>hookeri</i>	-	IB.2	Closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub, in sandy soils; 85 to 536 meters; blooms January through June	Known to occur in several locations within the Gowen cypress forest east of Highway 1 (CNDDDB 2012 [occ. no. 14], Patterson 1995).
Monterey manzanita <i>A. montereyensis</i>	-	IB.2	Maritime chaparral, cismontane woodland, and coastal scrub, in sandy soils; 30 to 730 meters elevation; blooms February through March	Known to occur (exact location information unknown) (CSP 1979).
Sandmat manzanita <i>A. pumila</i>	-	IB.2	Closed-cone coniferous forest, maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils and openings; 3 to 205 meters elevation; blooms February through May	Known to occur in one location within the Gowen cypress forest east of SR 1 (CNDDDB 2012 [occ. no. 11]; Barry et al. 1977; Patterson 1995).
Ocean bluff milk-vetch <i>Astragalus nuttallii</i> var. <i>nuttallii</i>	-	4.2	Coastal bluff scrub and coastal dunes; 3 to 120 meters elevation; blooms January through November	Could occur in coastal scrub or on beaches.
Coastal dunes milk-vetch <i>A. tener</i> var. <i>titi</i>	E	E, IB.1	Coastal bluff scrub, coastal dunes, and mesic coastal prairie, in sandy soils, often in vernal mesic areas; 1 to 50 meters elevation; blooms March through May	Could occur in coastal scrub, on beaches, or in mesic areas in coastal prairie.
Pink johnny-nip <i>Castilleja ambigua</i> ssp. <i>insalutata</i>	-	IB.1	Coastal prairie and coastal scrub; 0 to 100 meters elevation; blooms May through August	Known to occur near Vierra's Knoll and possibly elsewhere (CNDDDB 2012 [occ. no. 5, 6]; Palkovic, pers. comm., 2012).
Monterey Indian paintbrush <i>Castilleja latifolia</i>	-	4.3	Closed-cone coniferous forest, openings in cismontane woodland, coastal dunes, and coastal scrub, in sandy soils; 0 to 185 meters elevation; blooms February to September	Known to occur throughout the Reserve (CSP 1988).
Monterey ceanothus <i>Ceanothus rigidus</i>	-	4.2	Closed-cone coniferous forest, chaparral, and coastal scrub, in sandy soils; 3 to 550 meters elevation; blooms February through April (sometimes June)	Known to occur in several locations within the Gowen cypress forest east of SR 1 (CSP 1979; Patterson 1995;).

Table B I Special Status Plants Known to Occur or with the Potential to Occur in the Reserve				
Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Douglas' spineflower <i>Chorizanthe douglasii</i>	-	4.3	Chaparral, cismontane woodland, coastal scrub, and lower montane coniferous forest, in sandy or gravelly soils; 55 to 1,600 meters elevation; blooms April through July	Known to occur in one location within the Gowen cypress forest east of SR 1 (Patterson 1995).
Monterey spineflower <i>C. pungens</i> var. <i>pungens</i>	T	1B.2	Maritime chaparral, cismontane woodland, coastal dunes, coastal scrub, and valley and foothill grassland, in sandy soils; 3 to 450 meters elevation; blooms April through June	Could occur on beaches or in coastal scrub, grasslands.
Robust spineflower <i>C. robusta</i> var. <i>robusta</i>	E	1B.1	Maritime chaparral, openings in cismontane woodland, coastal dunes, and coastal scrub, in sandy or gravelly soils; 3 to 300 meters elevation; blooms April through June	Could occur on beaches or in coastal scrub.
Jolon clarkia <i>Clarkia jolonensis</i>	-	1B.2	Chaparral, cismontane woodland, coastal scrub, and riparian woodland; 20 to 660 meters elevation; blooms April through June	Known to occur in the vicinity of China Cove (CNDDDB 2012 [occ. no. 16]; Palkovic, pers. comm., 2012).
Lewis' clarkia <i>C. lewisii</i>	-	4.3	Broadleaf upland forest, closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub; 30 to 610 meters elevation; blooms May through June	Could occur in Monterey pine forest, Monterey cypress forest, or coastal scrub.
San Francisco collinsia <i>Collinsia multicolor</i>	-	1B.2	Closed-cone coniferous forest and coastal scrub, sometimes in serpentine soils; 30 to 250 meters elevation; blooms March through May	Could occur in Monterey pine forest, Monterey cypress forest, or coastal scrub.
Seaside bird's-beak <i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	-	E, 1B.1	Closed-cone coniferous forest, maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils, often in disturbed sites; 0 to 425 meters elevation; blooms May through October	Could occur in Monterey pine forest, Monterey cypress forest, on beaches, or coastal scrub.
Branching beach aster <i>Corethrogyne leucophylla</i>	-	3.2	Closed-cone coniferous forest and coastal dunes; 3 to 60 meters elevation; blooms May through June	Could occur in Monterey pine forest, Monterey cypress forest, or on beaches.
Hospital Canyon larkspur <i>Delphinium californicum</i> ssp. <i>interius</i>	-	1B.2	Chaparral, mesic areas in cismontane woodland, and coastal scrub, in openings; 230 to 1,095 meters elevation; blooms April through June	Could occur in openings in coastal scrub.
Hutchinson's larkspur <i>D. hutchinsoniae</i>	-	1B.2	Broadleaf upland forest, chaparral, coastal prairie, and coastal scrub; 0 to 427 meters elevation; blooms March through June	Could occur in coastal prairie or coastal scrub.
Umbrella larkspur <i>D. umbraculorum</i>	-	1B.3	Cismontane woodland; 400 to 1,600 meters elevation; blooms April through June	Could occur in live oak dominated portions of Monterey pine forest.
Eastwood's goldenbush <i>Ericameria fasciculata</i>	-	1B.1	Closed-cone coniferous forest, maritime chaparral, coastal dunes, and coastal scrub, in sandy soils and openings; 30 to 275 meters elevation; blooms July through October	Could occur in Monterey pine forest, Monterey cypress forest, on beaches, or coastal scrub.

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Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Elegant wild buckwheat <i>Eriogonum elegans</i>	-	4.3	Cismontane woodland and valley and foothill grassland, usually in sandy or gravelly soils, often in washes, sometimes along roadsides; 200 to 1,525 meters elevation; blooms May through November	Could occur in live oak dominated portions of Monterey pine forest, grasslands.
Pinnacles buckwheat <i>E. nortonii</i>	-	1B.3	Chaparral and valley and foothill grassland, often on recent burns, in sandy soils; 300 to 975 meters elevation; blooms May through August (sometimes September)	Could occur in grasslands.
Sand-loving wallflower <i>Erysimum ammphilum</i>	-	1B.2	Maritime chaparral, coastal dunes, and coastal scrub, in sandy soils and openings; 0 to 60 meters elevation; blooms February through June	Could occur on beaches or in coastal scrub.
Menzies' wallflower <i>E. menziesii</i> ssp. <i>menziesii</i>	E	E, 1B.1	Coastal dunes; 0 to 35 meters elevation; blooms March through June	Could occur on beaches.
Yadon's wallflower <i>E. menziesii</i> ssp. <i>yadonii</i>	E	E, 1B.1	Coastal dunes; 0 to 10 meters elevation; blooms May through September	Could occur on beaches.
Fragrant fritillary <i>Fritillaria liliacea</i>	-	1B.2	Cismontane woodland, coastal prairie, coastal scrub, and valley and foothill grassland, often on serpentine soils; 3 to 410 meters elevation; blooms February through April	Could occur in coastal prairie, coastal scrub, or other grasslands.
Santa Lucia bedstraw <i>Galium clementis</i>	-	1B.3	Lower and upper montane coniferous forest, in rocky granitic or serpentine soils; 1,130 to 1,780 meters elevation; blooms May through July	Could occur in higher elevation Monterey pine or Monterey cypress forest.
Monterey gilia <i>Gilia tenuiflora</i> ssp. <i>arenaria</i>	E	T, 1B.2	Maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils and openings; 0 to 45 meters elevation; blooms April through June	Could occur in live oak dominated portions of Monterey pine forest, on beaches, or in coastal scrub.
San Francisco gumplant <i>Grindelia hirsutula</i> var. <i>maritima</i>	-	3.2	Coastal bluff scrub, coastal scrub, and valley and foothill grassland, in sandy or serpentine soils; 15 to 400 meters elevation; blooms June through September	Could occur in coastal scrub, grasslands.
Congdon's tarplant <i>Hemizonia parryi</i> ssp. <i>congdonii</i>	-	1B.2	Alkaline soils in valley and foothill grassland; 0 to 230 meters elevation; blooms May through November	Could occur in grasslands.
Gowen cypress <i>Hesperocypris goveniana</i>	T	1B.2	Closed-cone coniferous forest and maritime chaparral; 30 to 300 meters elevation	Known to occur in one location within the Gowen cypress forest east of SR 1 (CNDDDB 2012 occ. no. 2; Barry et al. 1977; Patterson 1995).
Monterey cypress <i>H. macrocarpa</i>	-	1B.2	Closed-cone coniferous forest; 10 to 30 meters elevation	Known to occur in several locations within the Reserve (CNDDDB 2012 [occ. no. 1]; Palkovic, pers. comm., 2012; Patterson 1995).

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Kellogg's horkelia <i>Horkelia cuneata</i> var. <i>sericea</i>	-	1B.1	Closed-cone coniferous forest, maritime chaparral, coastal dunes, and coastal scrub, in sandy or gravelly soils and openings; 10 to 200 meters elevation; blooms April through September	Could occur in openings in Monterey pine forest, Monterey cypress forest, coastal scrub, or on beaches.
Coast iris <i>Iris longipetala</i>	-	4.2	Coastal prairie, lower montane coniferous forest, and meadows and seeps, in mesic areas; 0 to 600 meters elevation; blooms March through May	Could occur in mesic areas in coastal prairie, higher elevation Monterey pine forest, or freshwater seeps.
Contra Costa goldfields <i>Lasthenia conjugens</i>	E	1B.1	Cismontane woodland, alkaline playas, valley and foothill grassland, and vernal pools, in mesic areas; 0 to 470 meters elevation; blooms March through June	Could occur in mesic areas in higher elevation Monterey pine forest or other grasslands.
Beach layia <i>Layia carnosa</i>	E	E, 1B.1	Coastal dunes and coastal scrub, in sandy soils; 0 to 60 meters elevation; blooms March through July	Could occur on beaches or in coastal scrub.
Coast yellow leptosiphon <i>Leptosiphon croceus</i>	-	1B.1	Coastal bluff scrub and coastal prairie; 10 to 150 meters elevation; blooms April through May	Could occur in coastal scrub or coastal prairie.
Large-flowered leptosiphon <i>L. grandiflorus</i>	-	4.2	Coastal bluff scrub, closed-cone coniferous forest, cismontane woodland, coastal dunes, coastal prairie, coastal scrub, and valley and foothill grassland, usually in sandy soils; 5 to 1,220 meters elevation; blooms April through August	Could occur in coastal scrub, Monterey pine forest, Monterey cypress forest, coastal prairie, grasslands, or on beaches.
Small-leaved lomatium <i>Lomatium parvifolium</i>	-	4.2	Closed-cone coniferous forest, chaparral, coastal scrub, and riparian woodland, in serpentine soils; 20 to 700 meters elevation; blooms January through June	Known to occur in several locations within the Reserve west of SR 1 and the Gowen cypress forest east of SR 1 (Patterson 1995).
Tidestrom's lupine <i>Lupinus tidestromii</i>	E	E, 1B.1	Coastal dunes; 1 to 100 meters elevation; blooms April through June	Could occur on beaches.
Carmel Valley bush-mallow <i>Malacothamnus palmeri</i> var. <i>involucratus</i>	-	1B.2	Chaparral, cismontane woodland, and coastal scrub; 30 to 1,100 meters elevation, blooms May through August (sometimes October)	Could occur in live oak dominated portions of Monterey pine forest or coastal scrub.
Carmel Valley malacothrix <i>Malacothrix saxatilis</i> var. <i>arachnoidea</i>	-	1B.2	Rocky soils in chaparral and coastal scrub; 25 to 1,036 meters elevation; blooms June through December	Could occur in coastal scrub.
Mt. Diablo cottonweed <i>Micropus amphibolus</i>	-	3.2	Broadleaf upland forest, chaparral, cismontane woodland, and valley and foothill grassland, in rocky soils; 45 to 825 meters elevation; blooms March through May	Could occur in live oak dominated portions of Monterey pine forest, or grasslands.
Marsh microseris <i>Microseris paludosa</i>	-	1B.2	Closed-cone coniferous forest, cismontane woodland, coastal scrub, and valley and foothill grassland; 5 to 300 meters elevation; blooms April through June (sometimes July)	Known to occur (exact location information unknown) (CNDDDB 2012 [occ. no. 5]; Palkovic, pers. comm., 2012).
San Antonio Hills monardella <i>Monardella antonina</i> ssp. <i>antonina</i>	-	3	Chaparral and cismontane woodland; 500 to 1,000 meters elevation; blooms June through August	Could occur in live oak dominated portions of Monterey pine forest.

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Species	Status		Habitat and Blooming Period	Potential for Occurrence
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Woodland woollythreads <i>Monolopia gracilens</i>	-	1B.2	Broadleaf upland forest, chaparral, cismontane woodland, North Coast coniferous forest, and valley and foothill grassland, in serpentine soils and openings; 100 to 1,200 meters elevation; blooms March through July	Could occur in openings in live oak dominated portions of Monterey pine forest or grasslands.
California adder's-tongue <i>Ophioglossum californicum</i>	-	4.2	Chaparral, valley and foothill grassland, and along vernal pool margins, in mesic areas; 60 to 525 meters elevation; blooms January through June	Could occur in mesic areas of grasslands.
Gairdner's yampah <i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	-	4.2	Broadleaf upland forest, chaparral, coastal prairie, valley and foothill grassland, and vernal pools, in vernal mesic areas; 0 to 610 meters elevation; blooms June through October	Possibly known to occur. Wheeler 1936 herbarium specimens describe location as "Point Lobos Reserve" (Regents of the University of California 2018). Tentatively identified in Patterson 1995.
South coast branching phacelia <i>Phacelia ramosissima</i> var. <i>austrolitoralis</i>	-	3.2	Chaparral, coastal dunes, coastal scrub, and coastal salt marshes and swamps, in sandy and sometimes rocky soils; 5 to 300 meters elevation; blooms March through August	Could occur on beaches or in coastal scrub.
Monterey pine <i>Pinus radiata</i>	-	1B.1	Closed-cone coniferous forest and cismontane woodland; 25 to 185 meters elevation	Known to occur throughout the Reserve (CNDDDB 2012 [occ. no. 3]; Palkovic, pers. comm., 2012; Patterson 1995).
Yadon's rein orchid <i>Piperia yadonii</i>	E	1B.1	Coastal bluff scrub, closed-cone coniferous forest, and maritime chaparral, in sandy soils; 10 to 510 meters elevation; blooms May through August	Known to occur in three locations within the Gowen cypress forest east of SR 1 (CNDDDB 2012 [occ. no. 2]).
Hooked popcorn-flower <i>Plagiobothrys uncinatus</i>	-	1B.2	Sandy soils in chaparral, cismontane woodland, and valley and foothill grassland; 300 to 760 meters elevation; blooms April through May	Could occur in live oak dominated portions of Monterey pine forest, grasslands.
Hickman's cinquefoil <i>Potentilla hickmanii</i>	E	E, 1B.1	Coastal bluff scrub, closed-cone coniferous forest, vernal mesic meadows and seeps, and freshwater marshes and swamps; 10 to 149 meters elevation; blooms April through August	Known to occur in 2 locations within the Reserve (Palkovic, pers. comm., 2012; USFWS 2004).
Pine rose <i>Rosa pinetorum</i>	-	1B.2	Closed-cone coniferous forest; 2 to 300 meters elevation; blooms May through July	Known to occur along Gibson Creek in the Gowen cypress forest east of SR 1.
Maple-leaved checkerbloom <i>Sidalcea malachroides</i>	-	4.2	Broadleaf upland forest, coastal prairie, coastal scrub, North Coast coniferous forest, and riparian woodland, often in disturbed areas; 2 to 730 meters elevation; blooms April through August	Could occur in coastal prairie, coastal scrub, or riparian habitat.
Santa Cruz microseris <i>Stebbinsoseris decipiens</i>	-	1B.2	Broadleaf upland forest, closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, and valley and foothill grassland, in open areas, sometimes on serpentine soils; 10 to 500 meters elevation; blooms April through May	Could occur in open areas of Monterey pine forest, Monterey cypress forest, or coastal scrub; or in coastal prairie, other grasslands.

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Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
California screw-moss <i>Tortula californica</i>	-	IB.2	Chenopod scrub and valley and foothill grassland, in sandy soils; 10 to 1,460 meters elevation	Could occur in grasslands.
Santa Cruz clover <i>Trifolium buckwestiorum</i>	-	IB.1	Broadleaf upland forest, cismontane woodland, and coastal prairie, in gravelly soils on margins; 105 to 610 meters elevation; blooms April through October	Could occur in live oak dominated portions of Monterey pine forest or coastal prairie.
Saline clover <i>T. hydrophilum</i>	-	IB.2	Marshes and swamps, mesic areas in alkaline soils in valley and foothill grassland, and vernal pools; 0 to 300 meters elevation; blooms April through June	Could occur in freshwater seep or mesic areas in other grasslands.
Pacific Grove clover <i>T. polyodon</i>	-	R, IB.1	Closed-cone coniferous forest, coastal prairie, meadows and seeps, and valley and foothill grassland, in mesic areas; 5 to 120 meters elevation; blooms April through June (sometimes July)	Known to occur within and adjacent to Mound Meadow (CNDDDB 2012 [occ. no. 10]; Palkovic, pers. comm., 2012; Patterson 1995).
Monterey clover <i>T. trichocalyx</i>	E	E, IB.1	In sandy soils, openings, and burned areas in closed-cone coniferous forest; 30 to 240 meters elevation; blooms April through June	Could occur in openings in Monterey pine or Monterey cypress forest.

Notes:

¹ Legal Status Definitions:

U.S. Fish and Wildlife Service:

- E = endangered
- T = threatened
- = no status

California Department of Fish and Wildlife:

- E = endangered
- T = threatened
- R = rare
- = no status

California Department of Fish and Wildlife California Rare Plant Ranks: (these include species in the CNPS Inventory of Rare and Endangered Plants of California)

- IB = plant species considered rare, threatened, or endangered in California and elsewhere.
- 2 = plant species considered rare, threatened, or endangered in California but more common elsewhere.
- 3 = plant species about which we need more information – a review list.
- 4 = plant species of limited distribution – a watch list.

California Rare Plant Rank Extensions:

- 1 = seriously endangered in California (>80% of occurrences are threatened and/or have high degree and immediacy of threat).
- 2 = fairly endangered in California (20–80% of occurrences are threatened and/or have moderate degree and immediacy of threat).
- 3 = not very threatened in California (<20% of occurrences are threatened and/or have low degree and immediacy of threat or no current threats known).

Sources: CNDDDB 2012; CNPS 2012b; CSP 1979; Palkovic, pers. comm., 2012; Patterson 1995; Regents of the University of California 2018; USFWS 2012; USFWS 2004; data compiled by AECOM in 2012.

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Hickman's onion <i>Allium hickmanii</i>	-	IB.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, and valley and foothill grassland; 5 to 200 meters elevation; blooms March through May	Could occur in the coastal scrub.
Little Sur manzanita <i>Arctostaphylos edmundsii</i>	-	IB.2	Coastal bluff scrub and chaparral, in sandy soils; 30 to 105 meters elevation; blooms November through April	Could occur in the coastal scrub.
Hooker's manzanita <i>A. hookeri</i> ssp. <i>hookeri</i>	-	IB.2	Closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub, in sandy soils; 85 to 536 meters; blooms January through June	Could occur in the coastal scrub.
Monterey manzanita <i>A. montereyensis</i>	-	IB.2	Maritime chaparral, cismontane woodland, and coastal scrub, in sandy soils; 30 to 730 meters elevation; blooms February through March	Could occur in the coastal scrub.
Sandmat manzanita <i>A. pumila</i>	-	IB.2	Closed-cone coniferous forest, maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils and openings; 3 to 205 meters elevation; blooms February through May	Possibly occurred historically (CNDDDB 2012, occ. no. 12), could occur in coastal scrub or on beaches.
Marsh sandwort <i>Arenaria paludicola</i>	FE	E, IB.1	In sandy soils, in openings in freshwater and brackish marshes and swamps; 3 to 170 meters elevation; blooms May through August	Could occur in wetlands.
Ocean bluff milk-vetch <i>Astragalus nuttallii</i> var. <i>nuttallii</i>	-	4.2	Coastal bluff scrub and coastal dunes; 3 to 120 meters elevation; blooms January through November	Could occur in coastal scrub or on beaches.
Coastal dunes milk-vetch <i>A. tener</i> var. <i>titi</i>	E	E, IB.1	Coastal bluff scrub, coastal dunes, and mesic coastal prairie, in sandy soils, often in vernal mesic areas; 1 to 50 meters elevation; blooms March through May	Could occur in coastal scrub or on beaches.
Pink johnny-nip <i>Castilleja ambigua</i> ssp. <i>insalutata</i>	-	IB.1	Coastal prairie and coastal scrub; 0 to 100 meters elevation; blooms May through August	Could occur in the coastal scrub.
Monterey Indian paintbrush <i>Castilleja latifolia</i>	-	4.3	Closed-cone coniferous forest, openings in cismontane woodland, coastal dunes, and coastal scrub, in sandy soils; 0 to 185 meters elevation; blooms February to September	Known to occur in the coastal scrub (CSP 1988).
Monterey ceanothus <i>Ceanothus rigidus</i>	-	4.2	Closed-cone coniferous forest, chaparral, and coastal scrub, in sandy soils; 3 to 550 meters elevation; blooms February through April (sometimes June)	Could occur in the coastal scrub.
Monterey spineflower <i>Chorizanthe pungens</i> var. <i>pungens</i>	T	IB.2	Maritime chaparral, cismontane woodland, coastal dunes, coastal scrub, and valley and foothill grassland, in sandy soils; 3 to 450 meters elevation, blooms April through June	Could occur in coastal scrub or on beaches.
Robust spineflower <i>C. robusta</i> var. <i>robusta</i>	E	IB.1	Maritime chaparral, openings in cismontane woodland, coastal dunes, and coastal scrub, in sandy or gravelly soils; 3 to 300 meters elevation; blooms April through June	Could occur in coastal scrub or on beaches.
Jolon clarkia <i>Clarkia jolonensis</i>	-	IB.2	Chaparral, cismontane woodland, coastal scrub, and riparian woodland; 20 to 660 meters elevation; blooms April through June	Possibly occurred historically (CNDDDB 2012, occ. no. 15), could occur in coastal scrub or riparian forest.

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Lewis' clarkia <i>Clarkia lewisii</i>	-	4.3	Broadleaf upland forest, closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub; 30 to 610 meters elevation; blooms May through June	Could occur in coastal scrub.
San Francisco collinsia <i>Collinsia multicolor</i>	-	IB.2	Closed-cone coniferous forest and coastal scrub, sometimes in serpentine soils; 30 to 250 meters elevation; blooms March through May	Could occur in coastal scrub.
Seaside bird's-beak <i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	-	E, IB.1	Closed-cone coniferous forest, maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils, often in disturbed sites; 0 to 425 meters elevation; blooms May through October	Could occur in coastal scrub or on beaches.
Branching beach aster <i>Corethrogyne leucophylla</i>	-	3.2	Closed-cone coniferous forest and coastal dunes; 3 to 60 meters elevation; blooms May through June	Known to occur on the beaches (CSP 1988).
Hospital Canyon larkspur <i>Delphinium californicum</i> ssp. <i>interius</i>	-	IB.2	Chaparral, mesic areas in cismontane woodland, and coastal scrub, in openings; 230 to 1,095 meters elevation; blooms April through June	Could occur in coastal scrub, though elevation may be too low in the park.
Hutchinson's larkspur <i>D. hutchinsoniae</i>	-	IB.2	Broadleaf upland forest, chaparral, coastal prairie, and coastal scrub; 0 to 427 meters elevation; blooms March through June	Known to occur in the riparian community on Monastery Beach (CSP 1979).
Eastwood's goldenbush <i>Ericameria fasciculata</i>	-	IB.1	Closed-cone coniferous forest, maritime chaparral, coastal dunes, and coastal scrub, in sandy soils and openings; 30 to 275 meters elevation; blooms July through October	Possibly occurred historically (CNDDDB 2012, occ. no. 8), could occur in coastal scrub or on beaches.
Sand-loving wallflower <i>Erysimum amphilum</i>	-	IB.2	Maritime chaparral, coastal dunes, and coastal scrub, in sandy soils and openings; 0 to 60 meters elevation; blooms February through June	Could occur in coastal scrub or on beaches.
Menzies' wallflower <i>E. menziesii</i> ssp. <i>menziesii</i>	E	E, IB.1	Coastal dunes; 0 to 35 meters elevation; blooms March through June	Could occur on beaches.
Yadon's wallflower <i>E. menziesii</i> ssp. <i>yadonii</i>	E	E, IB.1	Coastal dunes; 0 to 10 meters elevation; blooms May through September	Could occur on beaches.
Fragrant fritillary <i>Fritillaria liliacea</i>	-	IB.2	Cismontane woodland, coastal prairie, coastal scrub, and valley and foothill grassland, often on serpentine soils; 3 to 410 meters elevation; blooms February through April	Could occur in coastal scrub.
Monterey gilia <i>Gilia tenuifolia</i> ssp. <i>arenaria</i>	E	T, IB.2	Maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils and openings; 0 to 45 meters elevation; blooms April through June	Could occur in coastal scrub or on beaches.
San Francisco gumplant <i>Grindelia hirsutula</i> var. <i>maritima</i>	-	3.2	Coastal bluff scrub, coastal scrub, and valley and foothill grassland, in sandy or serpentine soils; 15 to 400 meters elevation; blooms June through September	Could occur in coastal scrub.
Kellogg's horkelia <i>Horkelia cuneata</i> var. <i>sericea</i>	-	IB.1	Closed-cone coniferous forest, maritime chaparral, coastal dunes, and coastal scrub, in sandy or gravelly soils and openings; 10 to 200 meters elevation; blooms April through September	Possibly occurred historically (CNDDDB 2012, occ. no. 7), could occur in coastal scrub or on beaches.
Beach layia <i>Layia carnosa</i>	E	E, IB.1	Coastal dunes and coastal scrub, in sandy soils; 0 to 60 meters elevation; blooms March through July	Could occur in coastal scrub or on beaches.

Table B 2 Special Status Plants Known to Occur or with the Potential to Occur at the State Beach

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Coast yellow leptosiphon <i>Leptosiphon croceus</i>	-	IB.1	Coastal bluff scrub and coastal prairie; 10 to 150 meters elevation; blooms April through May	Could occur in coastal scrub.
Large-flowered leptosiphon <i>L. grandiflorus</i>	-	4.2	Coastal bluff scrub, closed-cone coniferous forest, cismontane woodland, coastal dunes, coastal prairie, coastal scrub, and valley and foothill grassland, usually in sandy soils; 5 to 1,220 meters elevation; blooms April through August	Could occur in coastal scrub or on beaches.
Small-leaved lomatium <i>Lomatium parvifolium</i>	-	4.2	Closed-cone coniferous forest, chaparral, coastal scrub, and riparian woodland, in serpentine soils; 20 to 700 meters elevation; blooms January through June	Could occur in coastal scrub or riparian forest.
Tidestrom's lupine <i>Lupinus tidestromii</i>	E	E, IB.1	Coastal dunes; 1 to 100 meters elevation; blooms April through June	Could occur on beaches.
Carmel Valley bush-mallow <i>Malacothamnus palmeri</i> var. <i>involutus</i>	-	IB.2	Chaparral, cismontane woodland, and coastal scrub; 30 to 1,100 meters elevation, blooms May through August (sometimes October)	Could occur in coastal scrub.
Santa Lucia bush-mallow <i>M. palmeri</i> var. <i>palmeri</i>	-	IB.2	Chaparral; 60 to 365 meters elevation; blooms May through July	Possibly occurred historically (CNDDDB 2012, occ. no. 15).
Carmel Valley malacothrix <i>Malacothrix saxatilis</i> var. <i>arachnoidea</i>	-	IB.2	Rocky soils in chaparral and coastal scrub; 25 to 1,036 meters elevation; blooms June through December	Could occur in coastal scrub.
Marsh microseris <i>Microseris paludosa</i>	-	IB.2	Closed-cone coniferous forest, cismontane woodland, coastal scrub, and valley and foothill grassland; 5 to 300 meters elevation; blooms April through June (sometimes July)	Possibly occurred historically (CNDDDB 2012, occ. no. 4), could occur in coastal scrub.
South coast branching phacelia <i>Phacelia ramosissima</i> var. <i>australitoralis</i>	-	3.2	Chaparral, coastal dunes, coastal scrub, and coastal salt marshes and swamps, in sandy and sometimes rocky soils; 5 to 300 meters elevation; blooms March through August	Could occur in coastal scrub or on beaches.
Monterey pine <i>Pinus radiata</i>	-	IB.1	Closed-cone coniferous forest and cismontane woodland; 25 to 185 meters elevation	Possibly occurred historically (CNDDDB 2012, occ. no. 3).
Yadon's rein orchid <i>Piperia yadonii</i>	E	IB.1	Coastal bluff scrub, closed-cone coniferous forest, and maritime chaparral, in sandy soils; 10 to 510 meters elevation; blooms May through August	Could occur in coastal scrub.
Hickman's cinquefoil <i>Potentilla hickmanii</i>	E	E, IB.1	Coastal bluff scrub, closed-cone coniferous forest, vernal mesic meadows and seeps, and freshwater marshes and swamps; 10 to 149 meters elevation; blooms April through August	Could occur in coastal scrub or wetlands.
Maple-leaved checkerbloom <i>Sidalcea malachroides</i>	-	4.2	Broadleaf upland forest, coastal prairie, coastal scrub, North Coast coniferous forest, and riparian woodland, often in disturbed areas; 2 to 730 meters elevation; blooms April through August	Could occur in coastal scrub or riparian forest.
Santa Cruz microseris <i>Stebbinsoseris decipiens</i>	-	IB.2	Broadleaf upland forest, closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, and valley and foothill grassland, in open areas, sometimes on serpentine soils; 10 to 500 meters elevation; blooms April through May	Could occur in coastal scrub.

Table B 2 Special Status Plants Known to Occur or with the Potential to Occur at the State Beach

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Saline clover <i>Trifolium hydrophilum</i>	-	IB.2	Marshes and swamps, mesic areas in alkaline soils in valley and foothill grassland, and vernal pools; 0 to 300 meters elevation; blooms April through June	Could occur in wetlands.

Notes:

¹ Legal Status Definitions:

U.S. Fish and Wildlife Service:

E = endangered

T = threatened

- = no status

California Department of Fish and Wildlife:

E = endangered

T = threatened

R = rare

- = no status

California Department of Fish and Wildlife California Rare Plant Ranks:

^{1B} = plant species considered rare, threatened, or endangered in California and elsewhere.

² = plant species considered rare, threatened, or endangered in California but more common elsewhere.

³ = plant species about which we need more information – a review list.

⁴ = plant species of limited distribution – a watch list.

California Rare Plant Rank Extensions:

¹ = seriously endangered in California (>80% of occurrences are threatened and/or have high degree and immediacy of threat).

² = fairly endangered in California (20–80% of occurrences are threatened and/or have moderate degree and immediacy of threat).

³ = not very threatened in California (<20% of occurrences are threatened and/or have low degree and immediacy of threat or no current threats known).

Sources: CNDDB 2012; CNPS 2012; CSP 1979, 1988; USFWS 2012b; data compiled by AECOM in 2012

Table B 3 Special Status Plants Known to Occur or with the Potential to Occur within Point Lobos Ranch

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Hickman's onion <i>Allium hickmanii</i>	-	IB.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, and valley and foothill grassland; 5 to 200 meters elevation; blooms March through May	Could occur in the Monterey pine forest, Gowen cypress forest, central maritime chaparral, coastal scrub, or grasslands.
Little Sur manzanita <i>Arctostaphylos edmundsii</i>	-	IB.2	Coastal bluff scrub and chaparral, in sandy soils; 30 to 105 meters elevation; blooms November through April	Could occur in the coastal scrub or central maritime chaparral.
Hooker's manzanita <i>A. hookeri</i> ssp. <i>hookeri</i>	-	IB.2	Closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub, in sandy soils; 85 to 536 meters; blooms January through June	Could occur in the Monterey pine forest, Gowen cypress forest, central maritime chaparral, or coastal scrub.
Monterey manzanita <i>A. montereyensis</i>	-	IB.2	Maritime chaparral, cismontane woodland, and coastal scrub, in sandy soils; 30 to 730 meters elevation; blooms February through March	Possibly known to occur; unclear if observed within Point Lobos Ranch (CSP 1979). Could occur in the central maritime chaparral, live oak dominated portions of Monterey pine forest, or coastal scrub.
Pajaro manzanita <i>A. pajaroensis</i>	-	IB.1	Chaparral in sandy soils; 30 to 760 meters elevation; blooms December through March	Could occur in the central maritime chaparral.
Sandmat manzanita <i>A. pumila</i>	-	IB.2	Closed-cone coniferous forest, maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils and openings; 3 to 205 meters elevation; blooms February through May	Likely to occur; recorded within the Gowen cypress stand on the Reserve parcel adjacent to Point Lobos Ranch (Palkovic, pers. comm., 2012, CNDDDB 2012, Barry et al. 1977, Patterson 1995, Gibson 1989).
Marsh sandwort <i>Arenaria paludicola</i>	FE	CE, IB.1	In sandy soils, in openings in freshwater and brackish marshes and swamps; 3 to 170 meters elevation; blooms May through August	Could occur in wetlands.
Ocean bluff milk-vetch <i>Astragalus nuttallii</i> var. <i>nuttallii</i>	-	4.2	Coastal bluff scrub and coastal dunes; 3 to 120 meters elevation; blooms January through November	Could occur in coastal scrub.
Coastal dunes milk-vetch <i>A. tener</i> var. <i>titi</i>	E	E, IB.1	Coastal bluff scrub, coastal dunes, and mesic coastal prairie, in sandy soils, often in vernal mesic areas; 1 to 50 meters elevation; blooms March through May	Could occur in coastal scrub.
Pink johnny-nip <i>Castilleja ambigua</i> ssp. <i>insalutata</i>	-	IB.1	Coastal prairie and coastal scrub; 0 to 100 meters elevation; blooms May through August	Could occur in the coastal scrub.
Monterey Indian paintbrush <i>Castilleja latifolia</i>	-	4.3	Closed-cone coniferous forest, openings in cismontane woodland, coastal dunes, and coastal scrub, in sandy soils; 0 to 185 meters elevation; blooms February to September	Could occur in the Monterey pine forest, Gowen cypress forest, or coastal scrub.
Monterey ceanothus <i>Ceanothus rigidus</i>	-	4.2	Closed-cone coniferous forest, chaparral, and coastal scrub, in sandy soils; 3 to 550 meters elevation; blooms February through April (sometimes June)	Likely to occur; recorded within the Gowen cypress stand on the Reserve parcel adjacent to Point Lobos Ranch (Barry et al. 1977; CSP 1979; Patterson 1995; Gibson 1989;).

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Congdon's tarplant <i>Centromadia parryi</i> ssp. <i>congdonii</i>	-	IB.2	Alkaline soils in valley and foothill grassland; 0 to 230 meters elevation; blooms May through November	Could occur in grasslands.
Douglas' spineflower <i>Chorizanthe douglasii</i>	-	4.3	Chaparral, cismontane woodland, coastal scrub, and lower montane coniferous forest, in sandy or gravelly soils; 55 to 1,600 meters elevation; blooms April through July	Likely to occur; recorded within the Gowen cypress stand on the Reserve parcel adjacent to Point Lobos Ranch (Patterson 1995).
Monterey spineflower <i>C. pungens</i> var. <i>pungens</i>	T	IB.2	Maritime chaparral, cismontane woodland, coastal dunes, coastal scrub, and valley and foothill grassland, in sandy soils; 3 to 450 meters elevation; blooms April through June	Could occur in central maritime chaparral, live oak dominated portions of Monterey pine forest, coastal scrub or in grasslands.
Robust spineflower <i>C. robusta</i> var. <i>robusta</i>	E	IB.1	Maritime chaparral, openings in cismontane woodland, coastal dunes, and coastal scrub, in sandy or gravelly soils; 3 to 300 meters elevation; blooms April through June	Could occur in central maritime chaparral, openings in live oak dominated portions of Monterey pine forest, or coastal scrub.
Jolon clarkia <i>Clarkia jolonensis</i>	-	IB.2	Chaparral, cismontane woodland, coastal scrub, and riparian woodland; 20 to 660 meters elevation; blooms April through June	Possibly occurred historically (CNDDDB 2012, occ. no. 15), could occur in central maritime chaparral, live oak dominated portions of Monterey pine forest, coastal scrub, or riparian forest.
Lewis' clarkia <i>Clarkia lewisii</i>	-	4.3	Broadleaf upland forest, closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub; 30 to 610 meters elevation; blooms May through June	Could occur in Monterey pine forest, Gowen cypress forest, central maritime chaparral, or coastal scrub.
San Francisco collinsia <i>Collinsia multicolor</i>	-	IB.2	Closed-cone coniferous forest and coastal scrub, sometimes in serpentine soils; 30 to 250 meters elevation; blooms March through May	Could occur in Monterey pine forest, Gowen cypress forest, or coastal scrub.
Seaside bird's-beak <i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	-	E, IB.1	Closed-cone coniferous forest, maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils, often in disturbed sites; 0 to 425 meters elevation; blooms May through October	Could occur in Monterey pine forest, Gowen cypress forest, central maritime chaparral, or coastal scrub.
Branching beach aster <i>Corethrogyne leucophylla</i>	-	3.2	Closed-cone coniferous forest and coastal dunes; 3 to 60 meters elevation; blooms May through June	Could occur in Monterey pine forest or Gowen cypress forest.
Hospital Canyon larkspur <i>Delphinium californicum</i> ssp. <i>interius</i>	-	IB.2	Chaparral, mesic areas in cismontane woodland, and coastal scrub, in openings; 230 to 1,095 meters elevation; blooms April through June	Could occur in central maritime chaparral, live oak dominated portions of Monterey pine forest, or coastal scrub.
Hutchinson's larkspur <i>D. hutchinsoniae</i>	-	IB.2	Broadleaf upland forest, chaparral, coastal prairie, and coastal scrub; 0 to 427 meters elevation; blooms March through June	Known to occur along San Jose Creek (CNDDDB 2012, occ. no. 8 and 25).
Umbrella larkspur <i>D. umbraculorum</i>	-	IB.3	Cismontane woodland; 400 to 1,600 meters elevation; blooms April through June	Could occur in live oak dominated portions of Monterey pine forest.

Table B 3 Special Status Plants Known to Occur or with the Potential to Occur within Point Lobos Ranch

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Eastwood's goldenbush <i>Ericameria fasciculata</i>	-	IB.1	Closed-cone coniferous forest, maritime chaparral, coastal dunes, and coastal scrub, in sandy soils and openings; 30 to 275 meters elevation; blooms July through October	Could occur in Monterey pine forest, Gowen cypress forest, central maritime chaparral, or coastal scrub.
Elegant wild buckwheat <i>Eriogonum elegans</i>	-	4.3	Cismontane woodland and valley and foothill grassland, usually in sandy or gravelly soils, often in washes, sometimes along roadsides; 200 to 1,525 meters elevation; blooms May through November	Could occur in live oak dominated portions of Monterey pine forest or grasslands.
Pinnacles buckwheat <i>E. nortonii</i>	-	IB.3	Chaparral and valley and foothill grassland, often on recent burns, in sandy soils; 300 to 975 meters elevation; blooms May through August (sometimes September)	Likely to occur (CNDDDB occ. no. 25 is adjacent to the Point Lobos Ranch boundary).
Sand-loving wallflower <i>Erysimum ammophilum</i>	-	IB.2	Maritime chaparral, coastal dunes, and coastal scrub, in sandy soils and openings; 0 to 60 meters elevation; blooms February through June	Could occur in central maritime chaparral or coastal scrub.
Fragrant fritillary <i>Fritillaria liliacea</i>	-	IB.2	Cismontane woodland, coastal prairie, coastal scrub, and valley and foothill grassland, often on serpentine soils; 3 to 410 meters elevation; blooms February through April	Could occur in live oak dominated portions of Monterey pine forest, coastal scrub, or grasslands.
Santa Lucia bedstraw <i>Galium clementis</i>	-	IB.3	Lower and upper montane coniferous forest, in rocky granitic or serpentine soils; 1,130 to 1,780 meters elevation; blooms May through July	Could occur in Monterey pine forest.
Monterey gilia <i>Gilia tenuifolia</i> ssp. <i>arenaria</i>	E	T, IB.2	Maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils and openings; 0 to 45 meters elevation; blooms April through June	Could occur in central maritime chaparral, live oak dominated portions of Monterey pine forest, or coastal scrub.
San Francisco gumplant <i>Grindelia hirsutula</i> var. <i>maritima</i>	-	3.2	Coastal bluff scrub, coastal scrub, and valley and foothill grassland, in sandy or serpentine soils; 15 to 400 meters elevation; blooms June through September	Could occur in coastal scrub or grasslands.
Gowen cypress <i>Hesperocyparis goveniana</i>	T	IB.2	Closed-cone coniferous forest and maritime chaparral; 30 to 300 meters elevation	Known to occur in one location adjacent to the Gowen cypress stand on the Reserve parcel (Palkovic, pers. comm., 2012; CNDDDB 2012 occ. no. 2; Barry et al. 1977; Patterson 1995; Gibson 1989).
Kellogg's horkelia <i>Horkelia cuneata</i> var. <i>sericea</i>	-	IB.1	Closed-cone coniferous forest, maritime chaparral, coastal dunes, and coastal scrub, in sandy or gravelly soils and openings; 10 to 200 meters elevation; blooms April through September	Could occur in Monterey pine forest, Gowen cypress forest, central maritime chaparral, or coastal scrub.
Coast iris <i>Iris longipetala</i>	-	4.2	Coastal prairie, lower montane coniferous forest, and meadows and seeps, in mesic areas; 0 to 600 meters elevation; blooms March through May	Could occur in mesic areas in Monterey pine forest or grasslands.

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Contra Costa goldfields <i>Lasthenia conjugens</i>	E	IB.1	Cismontane woodland, alkaline playas, valley and foothill grassland, and vernal pools, in mesic areas; 0 to 470 meters elevation; blooms March through June	Could occur in mesic areas in Monterey pine forest or grasslands.
Beach layia <i>Layia carnosa</i>	E	E, IB.1	Coastal dunes and coastal scrub, in sandy soils; 0 to 60 meters elevation; blooms March through July	Could occur in coastal scrub.
Coast yellow leptosiphon <i>Leptosiphon croceus</i>	-	IB.1	Coastal bluff scrub and coastal prairie; 10 to 150 meters elevation; blooms April through May	Could occur in coastal scrub.
Large-flowered leptosiphon <i>L. grandiflorus</i>	-	4.2	Coastal bluff scrub, closed-cone coniferous forest, cismontane woodland, coastal dunes, coastal prairie, coastal scrub, and valley and foothill grassland, usually in sandy soils; 5 to 1,220 meters elevation; blooms April through August	Could occur in coastal scrub, Monterey pine forest, Gowen cypress forest, or grasslands.
Small-leaved lomatium <i>Lomatium parvifolium</i>	-	4.2	Closed-cone coniferous forest, chaparral, coastal scrub, and riparian woodland, in serpentine soils; 20 to 700 meters elevation; blooms January through June	Likely to occur; recorded within the Gowen cypress stand on the Reserve parcel adjacent to Point Lobos Ranch (Patterson 1995, Gibson 1989).
Carmel Valley bush-mallow <i>Malacothamnus palmeri</i> var. <i>involucratus</i>	-	IB.2	Chaparral, cismontane woodland, and coastal scrub; 30 to 1,100 meters elevation; blooms May through August (sometimes October)	Could occur in central maritime chaparral or coastal scrub.
Santa Lucia bush-mallow <i>M. palmeri</i> var. <i>palmeri</i>	-	IB.2	Chaparral; 60 to 365 meters elevation; blooms May through July	Could occur in central maritime chaparral.
Carmel Valley malacothrix <i>Malacothrix saxatilis</i> var. <i>arachnoidea</i>	-	IB.2	Rocky soils in chaparral and coastal scrub; 25 to 1,036 meters elevation; blooms June through December	Could occur in central maritime chaparral or coastal scrub.
Mt. Diablo cottonweed <i>Micropus amphibolus</i>	-	3.2	Broadleaf upland forest, chaparral, cismontane woodland, and valley and foothill grassland, in rocky soils; 45 to 825 meters elevation; blooms March through May	Could occur in live oak dominated portions of Monterey pine forest, central maritime chaparral, or grasslands.
Marsh microseris <i>Microseris paludosa</i>	-	IB.2	Closed-cone coniferous forest, cismontane woodland, coastal scrub, and valley and foothill grassland; 5 to 300 meters elevation; blooms April through June (sometimes July)	Possibly occurred historically (CNDDDB 2012, occ. no. 4). Could occur in Monterey pine forest, Gowen cypress forest, coastal scrub, or grasslands.
San Antonio Hills monardella <i>Monardella antonina</i> ssp. <i>antonina</i>	-	3	Chaparral and cismontane woodland; 500 to 1,000 meters elevation; blooms June through August	Could occur in central maritime chaparral or live oak dominated portions of Monterey pine forest.
Woodland woollythreads <i>Monolopia gracilens</i>	-	IB.2	Broadleaf upland forest, chaparral, cismontane woodland, North Coast coniferous forest, and valley and foothill grassland, in serpentine soils and openings; 100 to 1,200 meters elevation; blooms March (sometimes February) through July	Could occur in central maritime chaparral, openings in live oak dominated portions of Monterey pine forest, or grasslands.

Table B 3 Special Status Plants Known to Occur or with the Potential to Occur within Point Lobos Ranch

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
California adder's-tongue <i>Ophioglossum californicum</i>	-	4.2	Chaparral, valley and foothill grassland, and along vernal pool margins, in mesic areas; 60 to 525 meters elevation; blooms January through June (sometimes December)	Could occur in mesic areas of central maritime chaparral or grasslands.
South coast branching phacelia <i>Phacelia ramosissima</i> var. <i>australitoralis</i>	-	3.2	Chaparral, coastal dunes, coastal scrub, and coastal salt marshes and swamps, in sandy and sometimes rocky soils; 5 to 300 meters elevation; blooms March through August	Could occur in central maritime chaparral or coastal scrub.
Monterey pine <i>Pinus radiata</i>	-	1B.1	Closed-cone coniferous forest and cismontane woodland; 25 to 185 meters elevation	Known to occur throughout Point Lobos Ranch (Palkovic, pers. comm., 2012; CNDDDB occ. no. 3; Barry et al. 1977; Patterson 1995; Gibson 1989).
Yadon's rein orchid <i>Piperia yadonii</i>	E	1B.1	Coastal bluff scrub, closed-cone coniferous forest, and maritime chaparral, in sandy soils; 10 to 510 meters elevation; blooms May through August	Known to occur on Lobos Ridge (CNDDDB occ. no. 28); critical habitat listed on property
Hooked popcorn-flower <i>Plagiobothrys uncinatus</i>	-	1B.2	Sandy soils in chaparral, cismontane woodland, and valley and foothill grassland; 300 to 760 meters elevation; blooms April through May	Could occur in central maritime chaparral, live oak dominated portions of Monterey pine forest, or grasslands.
Hickman's cinquefoil <i>Potentilla hickmanii</i>	E	E, 1B.1	Coastal bluff scrub, closed-cone coniferous forest, vernal mesic meadows and seeps, and freshwater marshes and swamps; 10 to 149 meters elevation; blooms April through August	Could occur in coastal scrub, Monterey pine forest, Gowen cypress forest, or wetlands.
Pine rose <i>Rosa pinetorum</i>	-	1B.2	Closed-cone coniferous forest; 2 to 300 meters elevation; blooms May through July	Known to occur on Riley Ranch Road (Palkovic, pers. comm., 2012; CNDDDB occ. no. 4).
Maple-leaved checkerbloom <i>Sidalcea malachroides</i>	-	4.2	Broadleaf upland forest, coastal prairie, coastal scrub, North Coast coniferous forest, and riparian woodland, often in disturbed areas; 2 to 730 meters elevation; blooms April through August	Could occur in coastal scrub or riparian forest.
Santa Cruz microseris <i>Stebbinsoseris decipiens</i>	-	1B.2	Broadleaf upland forest, closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, and valley and foothill grassland, in open areas, sometimes on serpentine soils; 10 to 500 meters elevation; blooms April through May	Could occur in Monterey pine forest, Gowen cypress forest, central maritime chaparral, coastal scrub, or grasslands.
California screw-moss <i>Tortula californica</i>	-	1B.2	Chenopod scrub and valley and foothill grassland, in sandy soils; 10 to 1,460 meters elevation	Could occur in grasslands.
Santa Cruz clover <i>Trifolium buckwestiorum</i>	-	1B.1	Broadleaf upland forest, cismontane woodland, and coastal prairie, in gravelly soils on margins; 105 to 610 meters elevation; blooms April through October	Could occur in live oak dominated portions of Monterey pine forest.
Saline clover <i>Trifolium hydrophilum</i>	-	1B.2	Marshes and swamps, mesic areas in alkaline soils in valley and foothill grassland, and vernal pools; 0 to 300 meters elevation; blooms April through June	Could occur in wetlands or grasslands.

Table B 3 Special Status Plants Known to Occur or with the Potential to Occur within Point Lobos Ranch

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Pacific Grove clover <i>T. polypodon</i>	-	R, IB.1	Closed-cone coniferous forest, coastal prairie, meadows and seeps, and valley and foothill grassland, in mesic areas; 5 to 120 meters elevation; blooms April through June (sometimes July)	Known to occur (CNDDDB 2012 [occ. no. 11, 12]; Palkovic, pers. comm., 2012).
Monterey clover <i>T. trichocalyx</i>	E	E, IB.1	In sandy soils, openings, and burned areas in closed-cone coniferous forest; 30 to 240 meters elevation; blooms April through June	Could occur in openings in Monterey pine or Gowen cypress forest.

Notes:

¹ Legal Status Definitions:

U.S. Fish and Wildlife Service:

- E = endangered
- T = threatened
- = no status

California Department of Fish and Wildlife:

- E = endangered
- T = threatened
- R = rare
- = no status

California Department of Fish and Wildlife California Rare Plant Ranks:

- 1B = plant species considered rare, threatened, or endangered in California and elsewhere.
- 2 = plant species considered rare, threatened, or endangered in California but more common elsewhere.
- 3 = plant species about which we need more information – a review list.
- 4 = plant species of limited distribution – a watch list.

California Rare Plant Rank Extensions:

- 1 = seriously endangered in California (>80% of occurrences are threatened and/or have high degree and immediacy of threat).
- 2 = fairly endangered in California (20–80% of occurrences are threatened and/or have moderate degree and immediacy of threat).
- 3 = not very threatened in California (<20% of occurrences are threatened and/or have low degree and immediacy of threat or no current threats known).

Sources: CNDDDB 2012; CNPS 2012; USFWS 2012b; Palkovic, pers. comm., 2012; data compiled by AECOM in 2012.

Table B 4 Special Status Plants Known to Occur or with the Potential to Occur in Hatton Canyon

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Hickman's onion <i>Allium hickmanii</i>	-	IB.2	Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, and valley and foothill grassland; 5 to 200 meters elevation; blooms March through May	Known to occur along the crest of the east wall of Hatton Canyon (Palkovic, pers. comm. 2012; CNDDDB occ. no. 13).
Little Sur manzanita <i>Arctostaphylos edmundsii</i>	-	IB.2	Coastal bluff scrub and chaparral, in sandy soils; 30 to 105 meters elevation; blooms November through April	Could occur in the coastal scrub.
Hooker's manzanita <i>A. hookeri</i> ssp. <i>hookeri</i>	-	IB.2	Closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub, in sandy soils; 85 to 536 meters; blooms January through June	Possibly occurred historically (CNDDDB occ. no. 2); could occur in the Monterey pine forest or coastal scrub.
Monterey manzanita <i>A. montereyensis</i>	-	IB.2	Maritime chaparral, cismontane woodland, and coastal scrub, in sandy soils; 30 to 730 meters elevation; blooms February through March	Could occur in live oak dominated portions of Monterey pine forest or coastal scrub.
Sandmat manzanita <i>A. pumila</i>	-	IB.2	Closed-cone coniferous forest, maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils and openings; 3 to 205 meters elevation; blooms February through May	Possibly occurred historically (CNDDDB occ. no. 12); could occur in the Monterey pine forest or coastal scrub.
Marsh sandwort <i>Arenaria paludicola</i>	E	E, IB.1	In sandy soils, in openings in freshwater and brackish marshes and swamps; 3 to 170 meters elevation; blooms May through August	Could occur in wetlands.
Ocean bluff milk-vetch <i>Astragalus nuttallii</i> var. <i>nuttallii</i>	-	4.2	Coastal bluff scrub and coastal dunes; 3 to 120 meters elevation; blooms January through November	Could occur in coastal scrub.
Coastal dunes milk-vetch <i>A. tener</i> var. <i>titi</i>	E	E, IB.1	Coastal bluff scrub, coastal dunes, and mesic coastal prairie, in sandy soils, often in vernal mesic areas; 1 to 50 meters elevation; blooms March through May	Could occur in coastal scrub or mesic areas in grasslands.
Pink johnny-nip <i>Castilleja ambigua</i> ssp. <i>insalutata</i>	-	IB.1	Coastal prairie and coastal scrub; 0 to 100 meters elevation; blooms May through August	Could occur in the coastal scrub.
Monterey Indian paintbrush <i>Castilleja latifolia</i>	-	4.3	Closed-cone coniferous forest, openings in cismontane woodland, coastal dunes, and coastal scrub, in sandy soils; 0 to 185 meters elevation; blooms February to September	Could occur in the Monterey pine forest or coastal scrub.
Monterey ceanothus <i>Ceanothus rigidus</i>	-	4.2	Closed-cone coniferous forest, chaparral, and coastal scrub, in sandy soils; 3 to 550 meters elevation; blooms February through April (sometimes June)	Could occur in Monterey pine forest or coastal scrub.
Congdon's tarplant <i>Centromadia parryi</i> ssp. <i>congdonii</i>	-	IB.2	Alkaline soils in valley and foothill grassland; 0 to 230 meters elevation; blooms May through November	Could occur in grasslands.
Douglas' spineflower <i>Chorizanthe douglasii</i>	-	4.3	Chaparral, cismontane woodland, coastal scrub, and lower montane coniferous forest, in sandy or gravelly soils; 55 to 1,600 meters elevation; blooms April through July.	Could occur in Monterey pine forest or coastal scrub.
Monterey spineflower <i>C. pungens</i> var. <i>pungens</i>	T	IB.2	Maritime chaparral, cismontane woodland, coastal dunes, coastal scrub, and valley and foothill grassland, in sandy soils; 3 to 450 meters elevation, blooms April through June	Could occur in live oak dominated portions of Monterey pine forest, coastal scrub, or grasslands.

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Robust spineflower <i>C. robusta</i> var. <i>robusta</i>	E	IB.1	Maritime chaparral, openings in cismontane woodland, coastal dunes, and coastal scrub, in sandy or gravelly soils; 3 to 300 meters elevation; blooms April through June	Could occur in openings in live oak dominated portions of Monterey pine forest or coastal scrub.
Jolon clarkia <i>Clarkia jolonensis</i>	-	IB.2	Chaparral, cismontane woodland, coastal scrub, and riparian woodland; 20 to 660 meters elevation; blooms April through June	Possibly occurred historically (CNDDDB 2012, occ. no. 15), could occur in live oak dominated portions of Monterey pine forest, coastal scrub, or riparian forest.
Lewis' clarkia <i>Clarkia lewisii</i>	-	4.3	Broadleaf upland forest, closed-cone coniferous forest, chaparral, cismontane woodland, and coastal scrub; 30 to 610 meters elevation; blooms May through June	Could occur in Monterey pine forest or coastal scrub.
San Francisco collinsia <i>Collinsia multicolor</i>	-	IB.2	Closed-cone coniferous forest and coastal scrub, sometimes in serpentine soils; 30 to 250 meters elevation; blooms March through May	Could occur in Monterey pine forest or coastal scrub.
Seaside bird's-beak <i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	-	E, IB.1	Closed-cone coniferous forest, maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils, often in ruderal sites; 0 to 425 meters elevation; blooms May through October	Could occur in Monterey pine forest or coastal scrub.
Branching beach aster <i>Corethrogyne leucophylla</i>	-	3.2	Closed-cone coniferous forest and coastal dunes; 3 to 60 meters elevation; blooms May through June	Could occur in Monterey pine forest.
Hospital Canyon larkspur <i>Delphinium californicum</i> ssp. <i>interius</i>	-	IB.2	Chaparral, mesic areas in cismontane woodland, and coastal scrub, in openings; 230 to 1,095 meters elevation; blooms April through June	Could occur in live oak dominated portions of Monterey pine forest or coastal scrub.
Hutchinson's larkspur <i>D. hutchinsoniae</i>	-	IB.2	Broadleaf upland forest, chaparral, coastal prairie, and coastal scrub; 0 to 427 meters elevation; blooms March through June	Could occur in grasslands or coastal scrub.
Umbrella larkspur <i>D. umbraculorum</i>	-	IB.3	Cismontane woodland; 400 to 1,600 meters elevation; blooms April through June	Could occur in live oak dominated portions of Monterey pine forest.
Eastwood's goldenbush <i>Ericameria fasciculata</i>	-	IB.1	Closed-cone coniferous forest, maritime chaparral, coastal dunes, and coastal scrub, in sandy soils and openings; 30 to 275 meters elevation; blooms July through October	Possibly occurred historically (CNDDDB occ. no. 8); could occur in Monterey pine forest or coastal scrub.
Elegant wild buckwheat <i>Eriogonum elegans</i>	-	4.3	Cismontane woodland and valley and foothill grassland, usually in sandy or gravelly soils, often in washes, sometimes along roadsides; 200 to 1,525 meters elevation; blooms May through November	Could occur in live oak dominated portions of Monterey pine forest or grasslands.
Pinnacles buckwheat <i>E. nortonii</i>	-	IB.3	Chaparral and valley and foothill grassland, often on recent burns, in sandy soils; 300 to 975 meters elevation; blooms May through August (sometimes September)	Could occur in grasslands.
Sand-loving wallflower <i>Erysimum ammphilum</i>	-	IB.2	Maritime chaparral, coastal dunes, and coastal scrub, in sandy soils and openings; 0 to 60 meters elevation; blooms February through June	Could occur in coastal scrub.
Fragrant fritillary <i>Fritillaria liliacea</i>	-	IB.2	Cismontane woodland, coastal prairie, coastal scrub, and valley and foothill grassland, often on serpentine soils; 3 to 410 meters elevation; blooms February through April	Could occur in live oak dominated portions of Monterey pine forest, coastal scrub, or grasslands.

Table B 4 Special Status Plants Known to Occur or with the Potential to Occur in Hatton Canyon

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Santa Lucia bedstraw <i>Galium dementis</i>	-	IB.3	Lower and upper montane coniferous forest, in rocky granitic or serpentine soils; 1,130 to 1,780 meters elevation; blooms May through July	Could occur in Monterey pine forest.
Monterey gilia <i>Gilia tenuifolia</i> ssp. <i>arenaria</i>	E	T, IB.2	Maritime chaparral, cismontane woodland, coastal dunes, and coastal scrub, in sandy soils and openings; 0 to 45 meters elevation; blooms April through June	Could occur in live oak dominated portions of Monterey pine forest or coastal scrub.
San Francisco gumplant <i>Grindelia hirsutula</i> var. <i>maritima</i>	-	3.2	Coastal bluff scrub, coastal scrub, and valley and foothill grassland, in sandy or serpentine soils; 15 to 400 meters elevation; blooms June through September	Could occur in coastal scrub or grasslands.
Gowen cypress <i>Hesperocyparis goveniana</i>	T	IB.2	Closed-cone coniferous forest and maritime chaparral; 30 to 300 meters elevation	Could occur in Monterey pine forest.
Monterey cypress <i>H. macrocarpa</i>	-	IB.2	Closed-cone coniferous forest; 10 to 30 meters elevation	Known to occur within the right-of-way along SR 1, though these may be planted rather than naturally recruited (USDOT, FHWA, and Caltrans 1973).
Kellogg's horkelia <i>Horkelia cuneata</i> var. <i>sericea</i>	-	IB.1	Closed-cone coniferous forest, maritime chaparral, coastal dunes, and coastal scrub, in sandy or gravelly soils and openings; 10 to 200 meters elevation; blooms April through September	Possibly occurred historically (CNDDDB occ. no. 7); could occur in Monterey pine forest or coastal scrub.
Coast iris <i>Iris longipetala</i>	-	4.2	Coastal prairie, lower montane coniferous forest, and meadows and seeps, in mesic areas; 0 to 600 meters elevation; blooms March through May	Could occur in mesic areas in Monterey pine forest or grasslands.
Contra Costa goldfields <i>Lasthenia conjugens</i>	E	IB.1	Cismontane woodland, alkaline playas, valley and foothill grassland, and vernal pools, in mesic areas; 0 to 470 meters elevation; blooms March through June	Could occur in mesic areas in live oak dominated portions of Monterey pine forest or grasslands.
Beach layia <i>Layia camosa</i>	E	E, IB.1	Coastal dunes and coastal scrub, in sandy soils; 0 to 60 meters elevation; blooms March through July	Could occur in coastal scrub.
Coast yellow leptosiphon <i>Leptosiphon croceus</i>	-	IB.1	Coastal bluff scrub and coastal prairie; 10 to 150 meters elevation; blooms April through May	Could occur in coastal scrub or grasslands.
Large-flowered leptosiphon <i>L. grandiflorus</i>	-	4.2	Coastal bluff scrub, closed-cone coniferous forest, cismontane woodland, coastal dunes, coastal prairie, coastal scrub, and valley and foothill grassland, usually in sandy soils; 5 to 1,220 meters elevation; blooms April through August	Could occur in coastal scrub, Monterey pine forest, or grasslands.
Small-leaved lomatium <i>Lomatium parvifolium</i>	-	4.2	Closed-cone coniferous forest, chaparral, coastal scrub, and riparian woodland, in serpentine soils; 20 to 700 meters elevation; blooms January through June	Could occur in Monterey pine forest, coastal scrub, or riparian forest.
Carmel Valley bush-mallow <i>Malacothamnus palmeri</i> var. <i>involucratus</i>	-	IB.2	Chaparral, cismontane woodland, and coastal scrub; 30 to 1,100 meters elevation, blooms May through August (sometimes October)	Could occur in live oak dominated portions of Monterey pine forest or coastal scrub.
Santa Lucia bush-mallow <i>M. palmeri</i> var. <i>palmeri</i>	-	IB.2	Chaparral; 60 to 365 meters elevation; blooms May through July	Possibly occurred historically (CNDDDB occ. no. 15); not likely to occur presently, no suitable habitat.

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Carmel Valley malacothrix <i>Malacothrix saxatilis</i> var. <i>arachnoidea</i>	-	1B.2	Rocky soils in chaparral and coastal scrub; 25 to 1,036 meters elevation; blooms June through December	Could occur in coastal scrub.
Mt. Diablo cottonweed <i>Micropus amphibolus</i>	-	3.2	Broadleaf upland forest, chaparral, cismontane woodland, and valley and foothill grassland, in rocky soils; 45 to 825 meters elevation; blooms March through May	Could occur in live oak dominated portions of Monterey pine forest or grasslands.
Marsh microseris <i>Microseris paludosa</i>	-	1B.2	Closed-cone coniferous forest, cismontane woodland, coastal scrub, and valley and foothill grassland; 5 to 300 meters elevation; blooms April through June (sometimes July)	Known to occur along the crest of the east wall of Hatton Canyon; listed as associate on Hickman's onion record (CNDDDB occ. no. 13).
San Antonio Hills monardella <i>Monardella antonina</i> ssp. <i>antonina</i>	-	3	Chaparral and cismontane woodland; 500 to 1,000 meters elevation; blooms June through August	Could occur in live oak dominated portions of Monterey pine forest.
Woodland woollythreads <i>Monolopia gracilens</i>	-	1B.2	Broadleaf upland forest, chaparral, cismontane woodland, North Coast coniferous forest, and valley and foothill grassland, in serpentine soils and openings; 100 to 1,200 meters elevation; blooms March through July	Could occur in openings in live oak dominated portions of Monterey pine forest or grasslands.
California adder's-tongue <i>Ophioglossum californicum</i>	-	4.2	Chaparral, valley and foothill grassland, and along vernal pool margins, in mesic areas; 60 to 525 meters elevation; blooms January through June	Could occur in mesic areas of grasslands.
South coast branching phacelia <i>Phacelia ramosissima</i> var. <i>australitoralis</i>	-	3.2	Chaparral, coastal dunes, coastal scrub, and coastal salt marshes and swamps, in sandy and sometimes rocky soils; 5 to 300 meters elevation; blooms March through August	Could occur in coastal scrub.
Monterey pine <i>Pinus radiata</i>	-	1B.1	Closed-cone coniferous forest and cismontane woodland; 25 to 185 meters elevation	Known to occur throughout Hatton Canyon (Palkovic, pers. comm., 2012; CNDDDB occ. no. 4; TAMC 2009).
Yadon's rein orchid <i>Piperia yadonii</i>	E	1B.1	Coastal bluff scrub, closed-cone coniferous forest, and maritime chaparral, in sandy soils; 10 to 510 meters elevation; blooms May through August	Could occur in coastal scrub or Monterey pine forest.
Hooked popcorn-flower <i>Plagiobothrys uncinatus</i>	-	1B.2	Sandy soils in chaparral, cismontane woodland, and valley and foothill grassland; 300 to 760 meters elevation; blooms April through May	Could occur in live oak dominated portions of Monterey pine forest or grasslands.
Hickman's cinquefoil <i>Potentilla hickmanii</i>	E	E, 1B.1	Coastal bluff scrub, closed-cone coniferous forest, vernal mesic meadows and seeps, and freshwater marshes and swamps; 10 to 149 meters elevation; blooms April through August	Could occur in coastal scrub, Monterey pine forest, or wetlands.
Pine rose <i>Rosa pinetorum</i>	-	1B.2	Closed-cone coniferous forest; 2 to 300 meters elevation; blooms May through July	Could occur in Monterey pine forest.
Maple-leaved checkerbloom <i>Sidalcea malachroides</i>	-	4.2	Broadleaf upland forest, coastal prairie, coastal scrub, North Coast coniferous forest, and riparian woodland, often in ruderal areas; 2 to 730 meters elevation; blooms April through August	Could occur in coastal scrub, grasslands, or riparian forest.

Table B 4 Special Status Plants Known to Occur or with the Potential to Occur in Hatton Canyon

Species	Status		Habitat and Blooming Period	Potential for Occurrence
	USFWS	CDFW		
Santa Cruz microseris <i>Stebbinsoseris decipiens</i>	-	IB.2	Broadleaf upland forest, closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, and valley and foothill grassland, in open areas, sometimes on serpentine soils; 10 to 500 meters elevation; blooms April through May	Could occur in Monterey pine forest, coastal scrub, or grasslands.
California screw-moss <i>Tortula californica</i>	-	IB.2	Chenopod scrub and valley and foothill grassland, in sandy soils; 10 to 1,460 meters elevation	Could occur in grasslands.
Santa Cruz clover <i>Trifolium buckwestiorum</i>	-	IB.1	Broadleaf upland forest, cismontane woodland, and coastal prairie, in gravelly soils on margins; 105 to 610 meters elevation; blooms April through October	Could occur in live oak dominated portions of Monterey pine forest or grasslands.
Saline clover <i>Trifolium hydrophilum</i>	-	IB.2	Marshes and swamps, mesic areas in alkaline soils in valley and foothill grassland, and vernal pools; 0 to 300 meters elevation; blooms April through June	Could occur in wetlands or grasslands.
Pacific Grove clover <i>T. polypodon</i>	-	R, IB.1	Closed-cone coniferous forest, coastal prairie, meadows and seeps, and valley and foothill grassland, in mesic areas; 5 to 120 meters elevation; blooms April through June (sometimes July)	Could occur in Monterey pine forest or grasslands.
Monterey clover <i>T. trichocalyx</i>	E	E, IB.1	In sandy soils, openings, and burned areas in closed-cone coniferous forest; 30 to 240 meters elevation; blooms April through June	Could occur in openings in Monterey pine forest.

Notes:

¹ Legal Status Definitions:

U.S. Fish and Wildlife Service (USFWS):

E = endangered

T = threatened

- = no status

California Department of Fish and Wildlife:

E = endangered

T = threatened

R = rare

- = no status

California Department of Fish and Wildlife California Rare Plant Ranks:

IB = plant species considered rare, threatened, or endangered in California and elsewhere.

2 = plant species considered rare, threatened, or endangered in California but more common elsewhere.

3 = plant species about which we need more information – a review list.

4 = plant species of limited distribution – a watch list.

California Rare Plant Rank Extensions:

.1 = seriously endangered in California (>80% of occurrences are threatened and/or have high degree and immediacy of threat).

.2 = fairly endangered in California (20–80% of occurrences are threatened and/or have moderate degree and immediacy of threat).

.3 = not very threatened in California (<20% of occurrences are threatened and/or have low degree and immediacy of threat or no current threats known).

Sources: CNDDDB 2012; CNPS 2012; USFWS 2012; data compiled by AECOM in 2012.

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Table B-2, Special Status Plants Known to Occur or with the Potential to Occur at the State Beach

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Table B-3, Special Status Plants Known to Occur or with the Potential to Occur within Point Lobos Ranch

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Table B-4, Special Status Plants Known to Occur or with the Potential to Occur in Hatton Canyon

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