

To ensure the prosperity of Cabrillo National Monument's unique coastal sage scrub habitat, park staff and volunteers work to mitigate the effects of nonnative plants through species identification, monitoring, and removal. Methods used at Cabrillo include manual techniques. Each method comes with its own pros and cons, but the most favorable is manual. By hand-pulling invasive plants we can remove both debris and roots. Through control of invasive plants, the native plant species have an increased chance of survival.



Habitat Restoration

Invasive Plants
Executive Order 13751 defines an invasive species as, "a non-native organism whose introduction causes or is likely to cause economic or environmental harm, or harm to human, animal, or plant health." Invasive plants decrease the biodiversity of our park's entire ecosystems by outcompeting the native plant population for food, water, sunlight, and space. Decrease in native plants affect the survivability of native insects, animals, and birds who rely on these plants for food, shelter, and other resources. Invasive plants can also affect the chemical composition of our soil and result in poor dirt quality. Non-native plants, especially grasses, are more susceptible to fire due to their dryness and ability to spread quickly.

Do Your Part!



The primary way invasive plants enter the park is accidentally. Mud and seeds can carry invasive plants. Help stop the spread by cleaning your shoes before and after your hike.
START with clean gear and shoes. Use a boot brush to completely remove seeds and plant parts.
STAY on the marked trails to limit spread.
END with clean gear and shoes. Use a boot brush to clean off any seeds, burrs, and dirt picked up and dispose of them properly after your visit.

**Cabrillo National Monument
Invasive Plant Guide**

Name: _____

Contact the [park](http://www.nps.gov/cabr) for more information:
(<http://www.nps.gov/cabr>)

Australian Saltbush
Sarcobata
Atriplex
(Australia)
Flower Apr-Dec



"12"-4" Perennial, round shrub, yellowish purple stems, small waxy wavy edged grayish green oval leaf, whitish pink flower on drooping stalk

Waxy Saltbush
Atriplex glauca
(Europe)
Flower Mar-Jul



Glebionis coronaria
Crown Daisies
(Mediterranean)
Flower Mar-July



≤ 5' Annual, usually single thick green hairy stem, bright green broad leaf splitting into spindly thin lobes, yellow or white ray petals with yellow center ≤ 2.5" flower

Hedynois rhagadioloides
Crete Weed
(Europe and Asia) Flower Feb-Jun



4"-12" Annual, low growing hairy many stemmed rosette, jagged edged green ≤ 6" leaf, yellow ray petaled ≤ 1" flower with dark coloration on tips, seed head looks like tiny basket

≤ 36" Annual, hairy erect stem, hairy blue-green narrow jagged edged leaf ≤ 4", small white flower, wind-blown seed, topmost leaves appear wrinkled and scrunched

Horseweed
Erigeron bonariensis
(South America)
Flower all year



> 3' Annual, usually single reddish green thick sturdy stem, triangular-shaped short pointy edged leaf ≤ 2", tiny disk-shaped seed, has strong cabbage odor

Goosefoot
Chenopodium album
(Europe, Asia, Northern Africa)
Flower all year



Erodium cicutarium
Stork's Bill
(Mediterranean)
Flower Feb-Sep



12" Annual, basal rosette, reddish stem, broad dark-green leaf divided into little lobed leaflets, purple flower, light green pointed stork's bill shaped seed, seed head dries to corkscrew shape that bores into ground when wet

Euphorbia maculata
Spotted Spurge
(Eastern North America)
Flower Apr-Oct



< 2" Annual, growing flat to ground, thin red stem, oval-shaped leaf with red spot in middle of most leaves ≤ 0.5", when stem breaks can ooze white sap



Avena barbata
Wild Oats
(Eurasia)
Flower Mar-Jun

< 6' Annual, light green thick base grass gradually thinning upward, light green cocoon-like seed dangle from top



Bromus rubens
Fox Tail
(Southern Europe)
Flower Feb-Jun

≤ 24" Annual, greenish yellow grass, singular flat blades, spikey vertical green-red flower head, seeds borrow into animal fur/skin



Bromus diandrus
Ripgut
(Europe)
Flower Feb-Jul

< 3' Annual, green/tan long thin grass, multiple flower heads with drooping ≤ 4" awned spikelets



Hordeum murinum
Hare Barley
(Mediterranean)
Flower Feb-May

< 3' Annual, dull green grass, thin flimsy stem, spikey slightly flattened pale green flower head with long skinny awns, like *Bromus rubens*



Lamarckia aurea
Toothbrush Grass
(Mediterranean)
Flower Feb-May

< 8" Annual, pale green soft grass, cream-colored delicate side hanging flower head, bristle-shaped downward drooping seeds



Polypogon monspeliensis
Rabbit's Foot
(Southwestern Europe)
Flower Apr-Aug

< 3' Annual, blue green round stemmed grass, soft fuzzy light green round flower head, flower and seed head look like rabbit's foot



The National Park service Volunteers in Park (VIP) program supports the work of restoration with work crews from different organizations and through the Weed Warrior program.

You too can support this work by contacting:

CABR_volunteers@nps.gov



Mesembryanthemum nodiflorum
Slender-Leaf Iceplant
(South Africa)
Flower Apr-Nov

≤ 8" Succulent, reddish green small round slender leaf, small frilly white flower with yellow center, star shaped seed head



Oxalis pes-caprae
Bermuda Buttercup
(South Africa)
Flower Jan-May

≤ 14" Perennial, bright green many stem, three heart-shaped leaflets green clover shaped leaf, bright-yellow 5 petaled ≤ 1/2" flower on upright stem, alternate name Sour Grass



Mellilotus indicus
Sweet Yellow Clover
(Eurasia)
Flower Apr-Oct

> 24" Annual, usually single skinny erect stem, green compound leaf with three leaflets, 2" flower head of tiny yellow flowers surrounding stem, tiny ball like seeds at end of stem



Mesembryanthemum crystallinum
Crystalline Iceplant
(South Africa)
Flower Mar-Oct

≤ 8" Succulent, reddish-green thick crinkled leaf ≤ 12" in diameter, thin white ray petal yellow centered flower, seed present in red bulbous head, salt "crystals" cover entire plant



Malva parviflora
Cheese Weed
(Northern Africa, Europe, Asia)
Flower Mar-May

6"-7" Annual, single to many stemmed, green tough stem, heart-shaped 5-7 lobed crinkled edged fuzzy leaf, pinkish white 5 petal flower ≤ 0.5", seed look like green cheese wheel cut into wedges



Medicago polymorpha
Burr Clover
(Mediterranean, Europe)
Flower Mar-Jul

≤ 5" Annual, spreading dark reddish green stem matt, 3 folded dark green leaflets, bright yellow ≤ 1/4" flower, gray black ≤ 1/4" burr fruit, burr sticks to everything



Lysimachia arvensis
Scarlet Pimpernel
(Europe)
Flower Mar-May

< 1' Annual, growing close to ground, slender green stem, oval-shaped green leaf with pointed tips ≤ 1/4", 5 petal flower with pink at base



Malephora crocea
Coppery Mesembryanthemum
(South Africa)
Flower Mar-Dec

≤ 8" Succulent, finger like reddish green leaf > 3", yellow orange red flower, name "coppery" references leaf and flower color