



OVERVIEW

Introduction to Newport Bay Conservancy

History of Upper Newport Bay Preserve

Big Canyon Restoration Project Overview

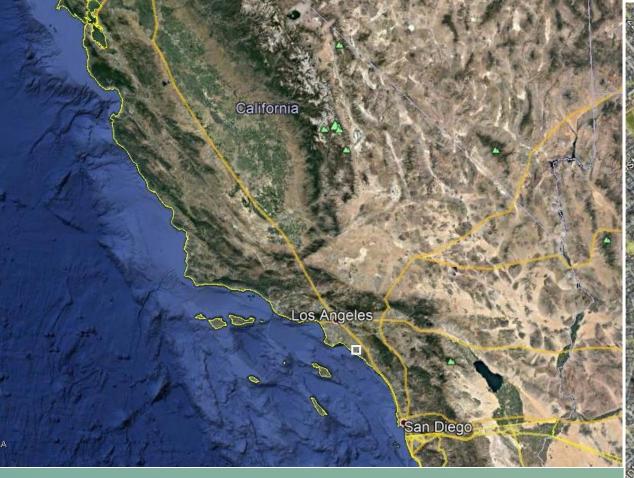
Big Canyon Phase 3: Goals, Design, Permits

CDFW Cutting the Green Tape: CEQA Exemption & RMP

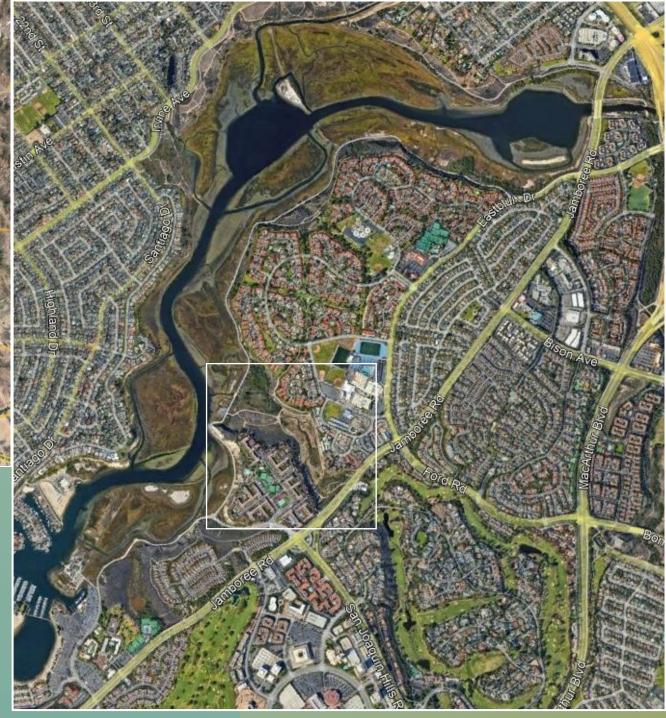


NEWPORT BAY CONSERVANCY

We acknowledge that our work takes place on the ancestral lands of native peoples, original inhabitants and stewards of this territory. We respect their continuing connection to these lands and waters.



UPPER NEWPORT BAY

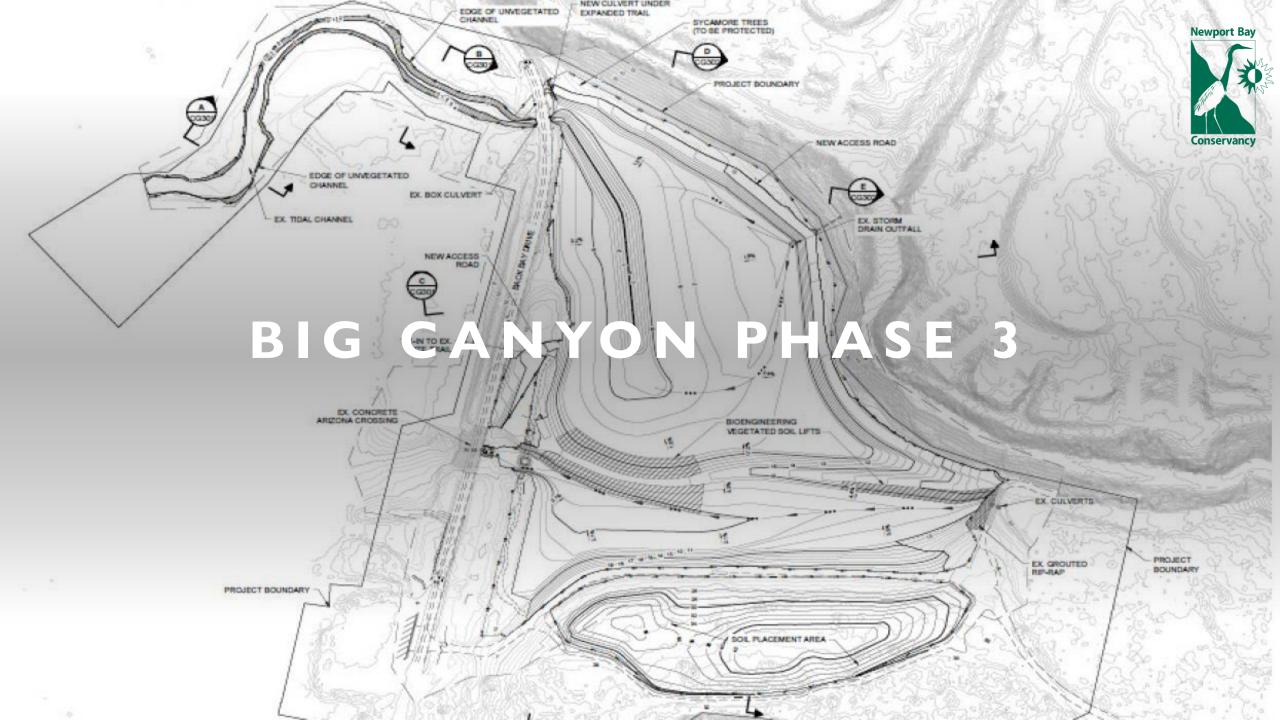


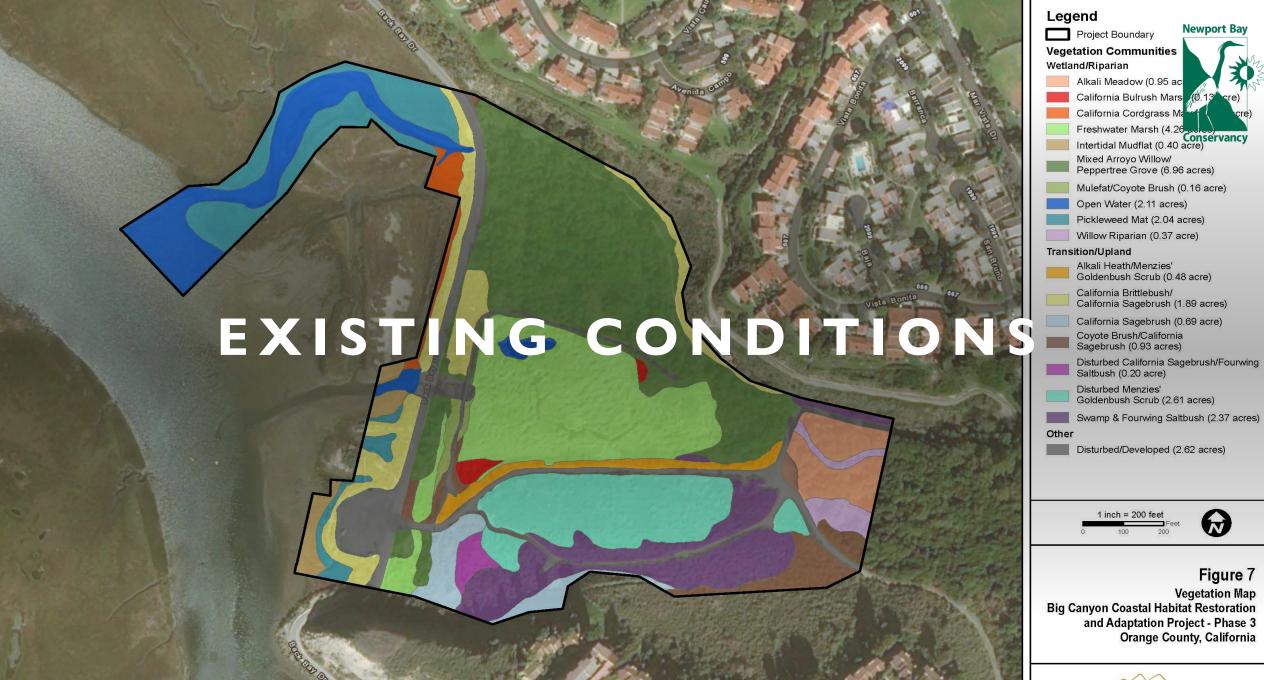




BIG CANYON COASTAL HABITAT RESTORATION AND RESILIENCY PROJECT

- Major Site Issues
 - History of disturbance
 - Creek with altered hydrology and Selenium dry weather flows
 - Mosquito breeding habitat
 - Invasive weeds









BIG CANYON PHASE 3

GOALS

- Remove weeds (peppertrees) & restore historical salt marsh
- Restore riparian corridor integrated with upstream restoration (Phase 1 & 2)
- Address mosquito breeding habitat & selenium dry weather flows
- Create wetland transitional zone for long-term SLR adaptation
- Use existing trails & long-term maintenance roads to provide recreational & educational benefits to the community





WEEDS IN BIG CANYON

- Brazilian peppertree (Schinus terebinthifolius)
- Desert knapweed (Volutaria tubuliflora)
- Seashore paspalum (Paspalum vaginatum)
- Stinknet (Oncosiphon pilulifer)
- Perennial pepperweed (Lepidium latifolium)
- European sea lavender (Limonium duriusculum)
- Algerian sea lavender (Limonium ramosissimum)

















BRAZILIAN PEPPERTREE

Schinus terebinthifolius

- Weedy evergreen tree or shrub species
- Red/pink fruit clusters easily dispersed by birds
- Often found by creeks or areas where water is available year round
- Produces many root sprouts when roots are injured, or tree is removed
- Cal-IPC rating: Moderate Alert
- Mechanical & chemical treatment



DESERT KNAPWEED

Volutaria tubuliflora

- Annual herbaceous species native to north Africa
- Priority 1 species or NCC
- "A" rating from CDFA
- Red alert species by OC CNPS
- Cal-IPC rating: high
- Volutaria Task Force NBC, OC Parks, CDFW
 - Seasonally will survey, treat and meet bi-weekly
 - Utilizing Calflora
- Mechanical removal of entire plant

WEED ALERT!

Desert knapweed (Volutaria tubuliflora)







See other side for description

WEED ALERT!

- · Annual herb (Winter Spring) with white to pink flowers and lobed hairy leaves
- Confused with mustards and tocalote
- Found on the sides of roads and trails
- · Favors grasslands, dunes, scrub, and chaparral habitat
- · Seeds are dispersed via human traffic, machinery, water, and wind
- · Invaded the desert ranges and south coast ranges of California

For more information email us at info@newportbay.org









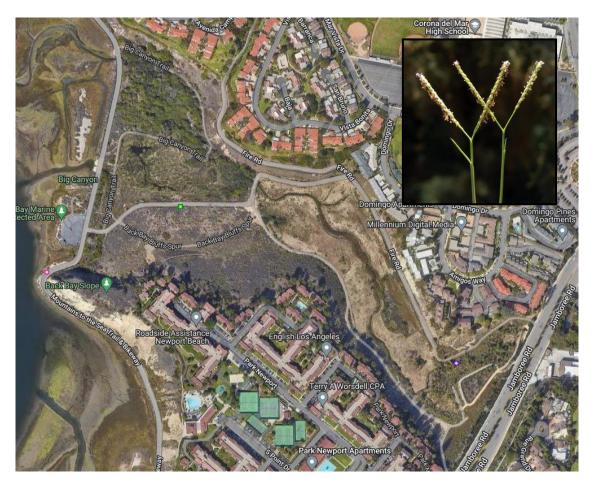


SEASHORE PASPALUM



Paspalum vaginatum

- Perennial grass native to southeast North America, parts of tropical Central and South America, and Africa
- Favors dunes, bogs and marsh habitats
- Blooms Aug-Dec (now)
- Reproduces vegetatively rhizomes (seeds thought to be rarely viable)
- Cal-IPC Rating: Watch
- Chemical treatment





STINKNET

Oncosiphon pilulifer

- Annual herb with strong scent with distinct round yellow flowers & finely dissected leaves
- Blooms Spring summer
- Native to South Africa; favors dunes & scrub habitats
- Cal-IPC rating: high
- CDFW Rating: Q
- Mechanical & chemical treatment













Lepidium latifolium

- Perennial herb native to southern Europe and western Asia
- Seen in wetland-riparian and disturbed areas
- Small 4-petaled white flowers, in large clusters
- Leaves alternate; small rounded or flat fruits
- Blooms May-Jul (observed flowering in Sep)
- Cal-IPC Rating: High
- Recognized by CDFA, but not rated
- Chemical & selective mechanical treatment



Newport Bay









INVASIVE LIMONIUM

European sea lavender (Limonium duriusculum)

- Perennial herb with tiny purple flowers and oval-shaped leaves
- Native to Mediterranean; favors marshes, CSS, riparian habitat
- Cal-IPC rating: moderate; CDFA rating: B
- Mechanical treatment

Algerian sea lavender (Limonium ramosissimum)

- Perennial plant native to Mediterranean; favors coastal marshes and seeds can disperse by floating in salt water and relocating to new area
- Cal-IPC rating: limited; CDFA rating: B
- Mechanical treatment











PERMITS

- RWQCB 401 Certification
- ACOE 404 Individual Permit
 - Section 7 Consultation
 - SHPO Consultation
- CDFW LSA Agreement x2
- Coastal Development Permit
 - CEQA
- CDFW & City Access Permits and Landowner Agreements

Photo Credit: Don Millar, NBC Volunteer



CUTTING THE GREEN TAPE: CEQA STATUTORY EXEMPTION FOR RESTORATION PROJECTS (SERP)

Newport Bay

- Consultation in January 2022
- Provided a draft application in Feb/Mar
- Follow up calls, emails and site visit
- Submitted final application in March
- Awarded CEQA exemption in May 2022

More information: https://wildlife.ca.gov/Conservation/Cutting-Green-Tape/SERP#569973293-serp-process





CUTTING THE GREEN TAPE: RESTORATION MANAGEMENT PERMIT (RMP)

- Consultation in Dec 2022
- Few emails for follow up info
- Received RMP in Jul 2023
- RMP for CHMAMA and Light-footed Ridgeway's rail

More informationhttps://wildlife.ca.gov/Conservation/Cutting-Green-Tape/RMP

JOIN THE FUN!

- Weekly volunteer events: Thursday; 9am-12pm
- Bird surveys: 3rd Thursday of each month; 7am-9am
- Sign up on Eventbrite or email Alys















