













## **Ballona Wetlands Restoration Project** The Ballona Wetlands Ecological Reserve is a 577-acre protected area on the ancestral

lands of the Gabrielino-Tongva, now owned and managed by the State of California. The project will restore, enhance, and create coastal wetland habitat and re-establish natural processes and functions. It will improve habitat for native wildlife and create public access amenities for recreation and education.



Why Does Ballona Need Restoration?

1984

Friends of

sues to stop

development

Ballona Wetlands

began

Ballona's health is extremely poor; the wetlands were saved from development, but not restored.

the intention of restoration

2004

Twelve years

meetings

of stakeholder

Ballona Wetlands

**Ecological Reserve** 

designated an

Committee Meetings begin

PROJECT TIMELINE

plans (with four project alternatives) released

collection begins

US Army Corps will finalize the engineering plans PROJECTED START DATE:

18-24 months after Certification:

released

2017

Draft EIR outlining

long-term restoration

more than of coastal wetlands

have been lost in Los

Angeles County Stein et al. 2014 A serious weed epidemic

Ballona is disconnected from the creek and tides. Restoration will bring water back to the wetlands, improve water quality, and provide storm surge protection. Habitat for fish and other aquatic species will be enhanced, improving the base of the food chain for countless species and creating nurseries for fish. 97%

This project would

create or enhance

65 acres

of intertidal and open

Ballona Wetlands EIR 2017



10-39% 40-59% 60-100% Developed / Not Surveyed Belding's Savannah Sparrow (Passerculus sandwichensis beldingi) is one of the many endangered species that depend on California's salt marshes for

survival year round. Increased

expand the pickleweed habitat

tidal flow will improve and

this little bird depends on.

■ o% ₹ 2% 2-9%

Water/Tidal Channel Non-native Cover (%)

of Ballona is

disconnected

from the tides

Johnston et al. 2015

As of 2013, nearly 70% of the Ballona

Wetlands Ecological Reserve was overwhelmed by non-native invasive plants, like black mustard, iceplant, and crown daisy (Johnston et al. 2015) Large blankets of weeds, called monocultures, have replaced native habitat that wildlife depend on for food, shelter, and breeding.

What happens if we do nothing? Without restoration, the wetlands will be become stagnant, flooded ponds around 2050, eliminating the marsh habitat on which many rare and endangered species depend. Restoration will allow marsh habitat to migrate to higher elevations as the ocean rises, preserving habitat for Belding's Savannah Sparrow and other wetland dependent species into the distant future.

to utilize new technologies, strategies, and the

best available science to protect habitats and

wildlife in the face of climate change.

SoCalGas will permanently abandon all 16 wells from within the boundaries of the Reserve. Accompanying service roads, concrete, and infrastructure will be removed and restored to native habitat, providing more space for local plants and wildlife to thrive. Up to six monitoring wells may be drilled on SoCalGas property to compensate for removed wells to maintain regulatory requirements. Ballona Wetlands EIR 2017. Managed by the California Public Utilities Commission and California Geologic Energy Management Division Make Ballona accessible to ALL Angelenos Restoration will create exceptional wildlife viewing, and recreational

**NEW** Major Pedestrian & Bike Path

**NEW** Proposed Pedestrian Path

**NEW** Bridge

Scenic Overlook

10-17 inches by 2050 & 31-69 inches by 2100 Remove SoCalGas infrastructure from Ballona

> **FUN FACT:** Ballona Wetlands is the

2nd largest

open space

after Griffith Park

This restoration project will add:

Secondary

Friends of Ballona Wetlands

brings more than

9,000 students

& visitors

people can visit after it

is restored and all the trails are added!

to the wetlands every year, just imagine how many

**NEW** Bridge Scenic Overlook **NEW** Elevated Pedestrian Boardwalk Primary **Primary Entrance** Entrance Secondary Entrance

and educational opportunities for communities that have very little access to the outdoors. Trails will also create access for differently-abled people, strollers, and the elderly. Trails will be primarily on the periphery of the Reserve and some areas are trail-free to protect wildlife.

of bike/pedestrian pathway

Viewpoint

2,000 feet 2 bridges to increase safety and access 3.6 miles 5.5 miles of pedestrian only pathway + educational signage and parking facilities Ballona Wetlands EIR 2017 All newly constructed features and trails will be fully accessible, removing current obstacles and allowing the wetlands to become a gathering place for the entire community. This includes more than 15,000 Disadvantaged Households within biking distance (1.9 miles) and 500,000 within driving distance (13 miles). Christensen 2000



has identified more than WEST AREA B vulnerable to losing their habitat to sea level rise in the Los Angeles area, including the California Least Tern which nests on Venice Beach and forages in the Ballona Wetlands. Bateman et al. 2020 **BALLONA CREEK** Management of the wetlands will **adapt over time** Properly functioning wetlands are the first line of defense against sea level rise; a restored Ballona Wetlands will ease the flood risk on neighboring communities and protect wetland habitat for wildlife. The National Research Council's Sea-Level Rise for the Coasts of California, Oregon, and Washington report predicts sea level rises of

FRIENDS OF

BALLONA WETLANDS