

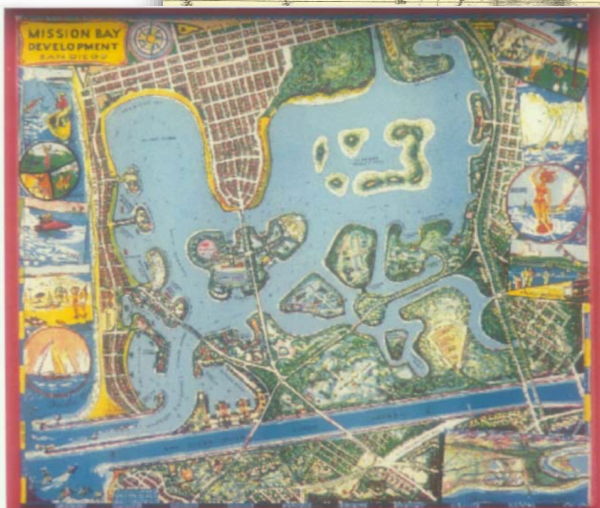


Photo by Victor Santos

5/23/23
De Anza Ad Hoc
Committee

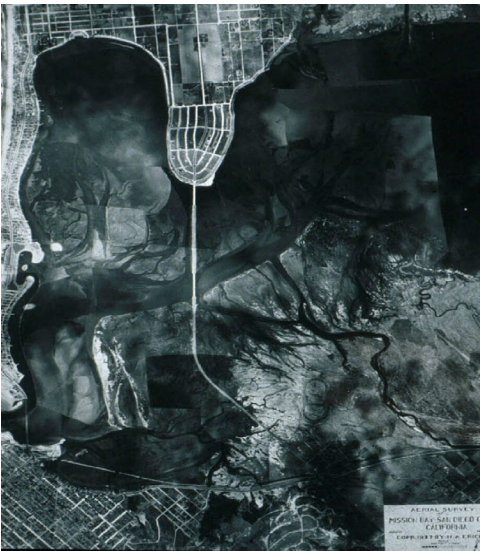
Andrew Meyer
San Diego Audubon Society

Before Bahia Falsa



1857 Historical Survey Map of San Diego Bay and Mission (False) Bay (NOAA, 2016)

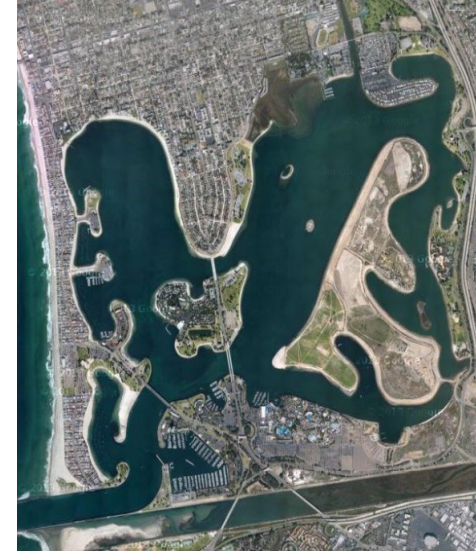
From Bahia Falsa to Mission Bay Park



1937



Late 1940s



2023



Photo: B. Struck

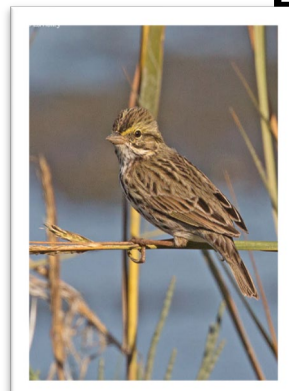


Photo: Ed Henry

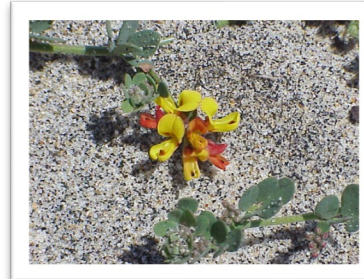


Photo: M. Stinnett



Photo: L. Hedlund

STUDY AREA



STUDY AREA
(461 acres)



Per the Mission Bay Master Plan, the De Anza Special Study Area is 76 acres.

This project of San Diego Audubon is funded by CA State Coastal Conservancy and U.S. Fish and Wildlife Service.

- Restore Habitat
- Improve Water Quality

- Increase Resiliency
- Reconnect to the Shore

ALTERNATIVE 3: WILDEST



LEGEND

	Study Area		Public Access & Recreation
	Restoration Focus Area		Existing Bike and Pedestrian Path
	Proposed Channel		Proposed Bike and Pedestrian Path
	Existing Channel		Proposed Pedestrian Path
Restored Habitat Type			Proposed Interpretive Path
	Upland		Proposed "Fence Walk"
	Transitional		Boat Launch/Storage Optional Location
	Mid-High Salt Marsh		Visitor Center Optional Location
	Low Salt Marsh		Visitor Parking Optional Location
	Mudflat		Interpretive Landform or Structure
	Subtidal		Estuarine Science Center

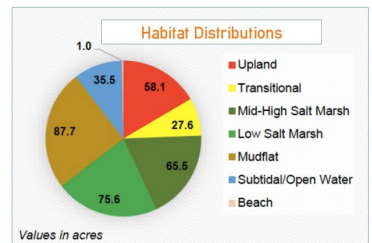


Highlights:

- 227 acres of wetlands* (75 acres by 2100 with 5.5 feet of sea level rise)
- 4,800 feet of trails

Key features:

- Best alternatives for water quality improvements, sea level rise resiliency, habitat for wildlife, and access to nature
- Excavated fill added to open water to create mudflat, saltmarsh, transitional, and upland habitat
- No need for offsite disposal, with fewer impacts to traffic and air quality



*Using the Mission Bay Park Master Plan definition of "wetlands", meaning salt marsh, transitional, and upland habitats.

Improve Water Quality

▲ The latest test result for this site meets water quality standards set by California State Water Resources Control Board

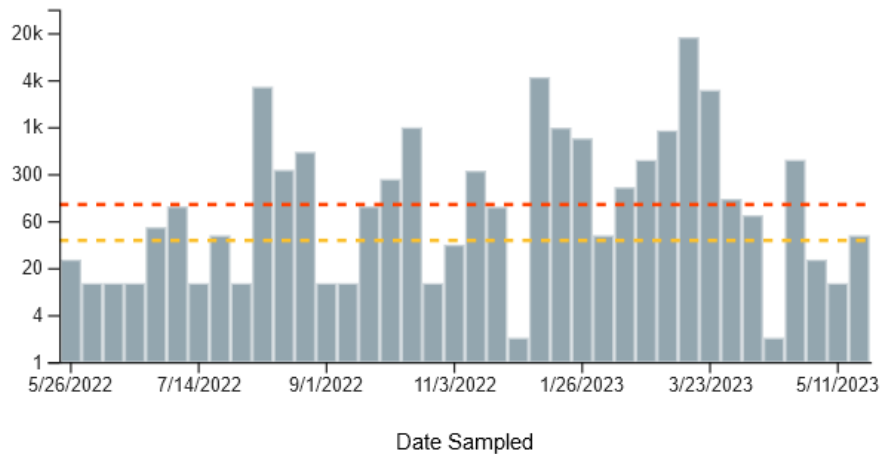
✓ 58% of samples collected at this site over the last 12 months meet water quality standards set by California State Water Resources Control Board

Analysis

Change Time

Download Data

Enterococcus
(MPN/100mL)



Increase Our Resiliency

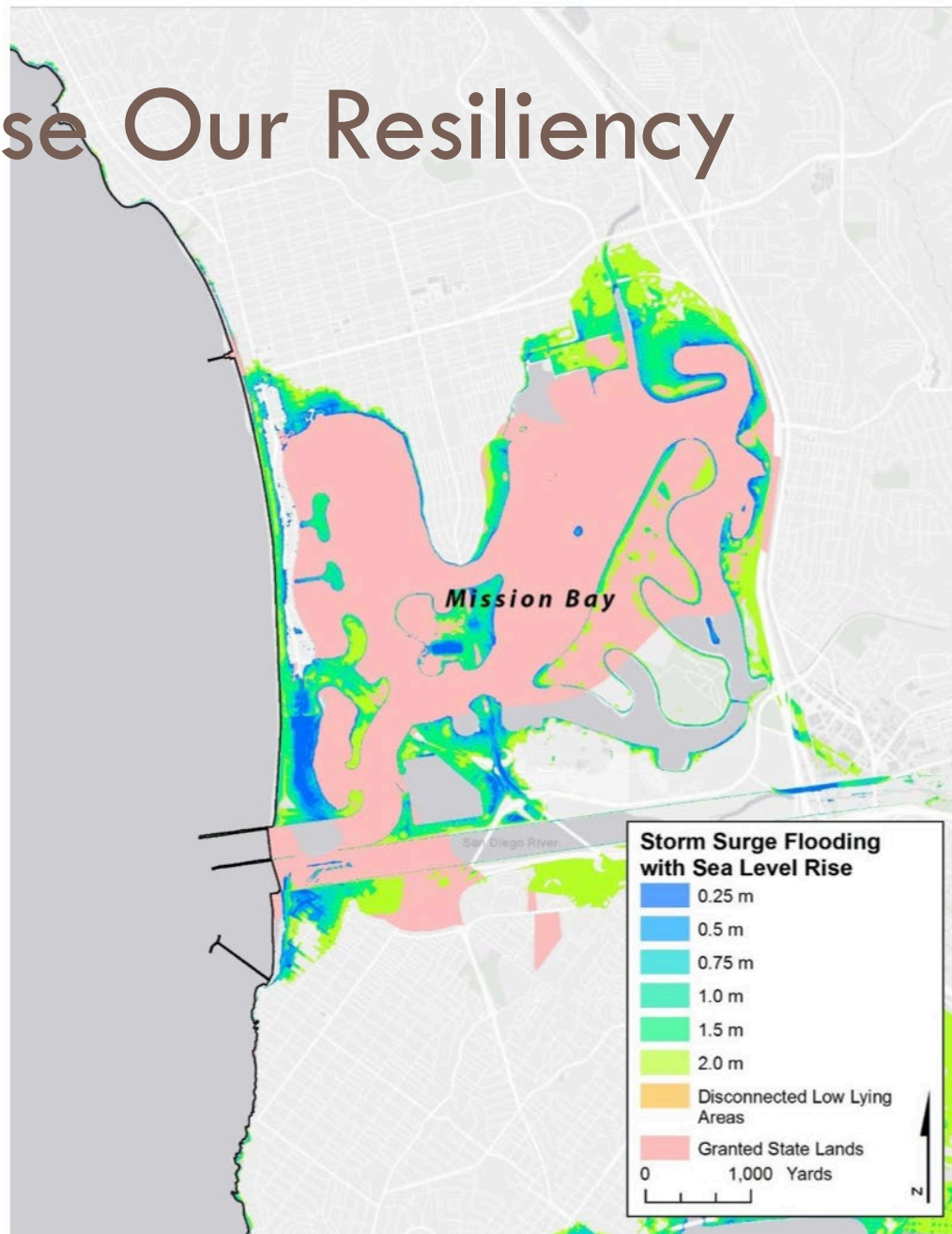


Figure 7. Mission Bay, storm surge flooding under six sea-level rise scenarios.

City of San Diego State
Lands Sea Level Rise
Vulnerability Assessment,
July 2019

King Tides!



Increase Our Resiliency

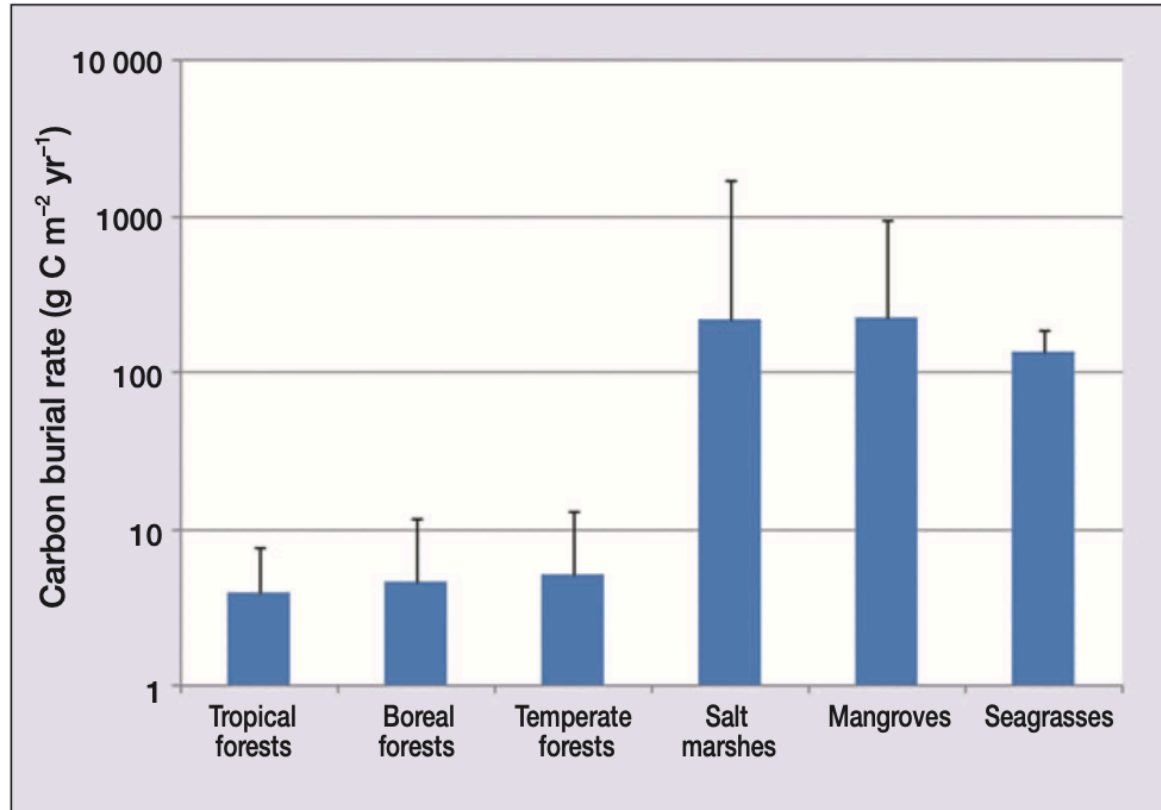


Figure 5. Mean long-term rates of C sequestration ($\text{g C m}^{-2} \text{yr}^{-1}$) in soils in terrestrial forests and sediments in vegetated coastal ecosystems. Error bars indicate maximum rates of accumulation. Note the logarithmic scale of the y axis. Data sources are included in Tables 1 and 2.

Increase Our Resiliency



City of San Diego **CLIMATE ACTION PLAN**
Our Climate, Our Future

2030 Target Restore 350 acres of salt marsh land and other associated tidal wetland and riparian habitats	2030 GHG Reduction (MT CO ₂ e) 410	2035 Target Restore 700 acres of salt marsh land and other associated tidal wetland and riparian habitats	2035 GHG Reduction (MT CO ₂ e) 821
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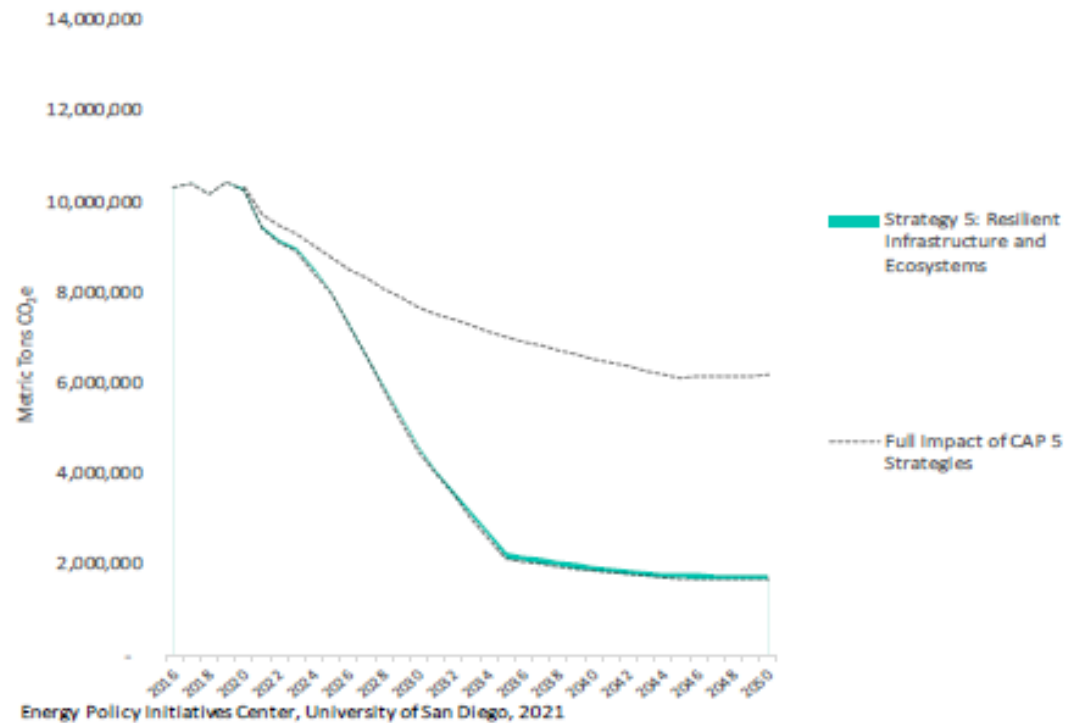
Methods for Estimating Greenhouse Gas Emissions and Emissions Reductions in the San Diego Climate Action Plan

July 2022

Prepared for the City of San Diego



Prepared by the Energy Policy Initiatives Center



Retake Our Shoreline





ReWild Coalition



San Dieguito River Valley
Conservancy



Save Everyone's Access



SD Children & Nature



AFT Guild, Local 1931



Aqua Adventures



Audubon California



Friends of Rose Creek



Islamic Center of San Diego



Latino Outdoors



Casa Tamarindo



Sierra Club San Diego



Southwest Wetlands Interpretive Association



Stay Cool for Grandkids



California Native Plant Society



Citizens Coordinate for Century 3



Climate Action Campaign



McCullough



Mission Bay Fly Fishing Co.



Montgomery-Gibbs Environmental Coalition



The Climate Reality Project



Sustainability Matters



Surfrider San Diego



Unite Here! Local 30



Community Congregational Church of Pacific Beach United Church of Christ



Environmental Center of San Diego



Environmental Health Coalition



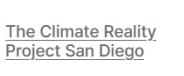
Outdoor Outreach



Renaissance



Rose Creek Watershed Alliance



Coastal Policy Solutions



St. Andrew's by-the-Sea Episcopal Church



San Diego 350



San Diego City College Audubon Club



Friends of Famosa Slough



Friends of Mission Bay Marshes



Friends of Rose Canyon



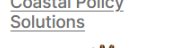
San Diego Coastkeeper



San Diego County Democrats for Environmental Action



San Diego Democrats for Equality



Coffee Cycle



San Diego City College SACNAS



San Diego Audubon Society



San Diego Canyonlands



EHL



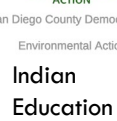
Wildcoast



Beautiful P.B.



Clean Earth for Kids



Indian Education Equity Team



Native Like Water



Epsilon Eta



Groundwork San Diego



League of Women Voters of San Diego



Nature Collective



Ocean Connectors



The Ocean Foundation



Pacific Beach Rotaract



St. Dunstan's Episcopal Church



San Diego Pediatrists for Clean Air



Urban Corps



Strong Hearted Native Women's Coalition



CLGA



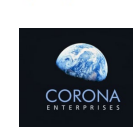
Nature Collective



Kai Pond Solutions



Green New Deal Alliance



Corona Enterprises



American Bird Conservancy



American Academy of Pediatrics

Our Legacy



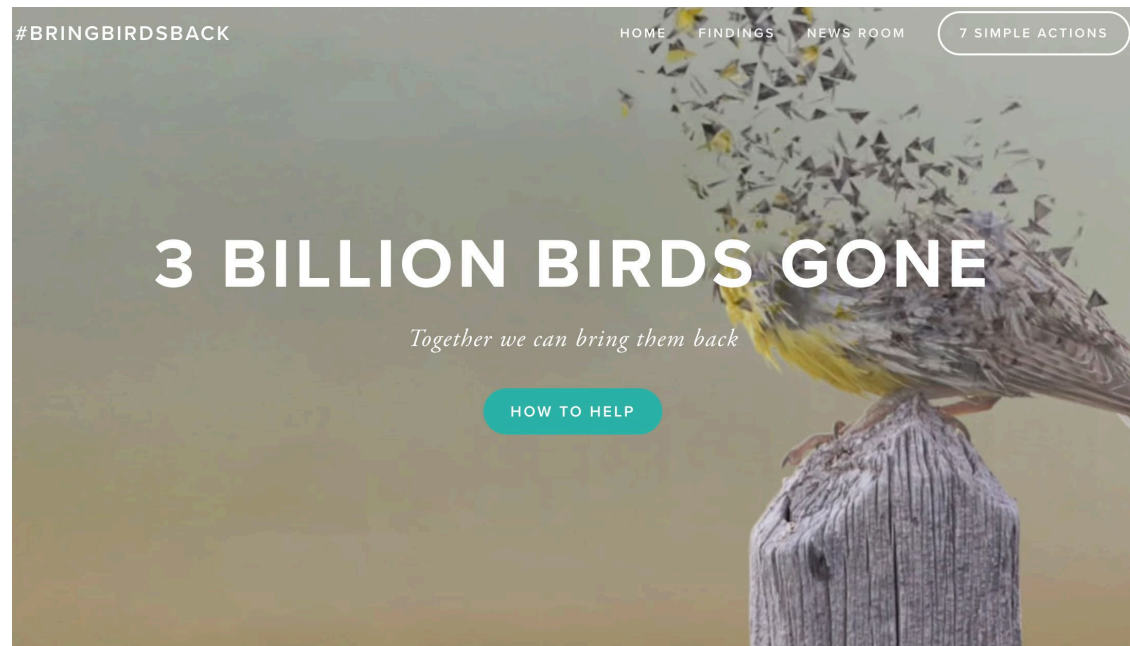
#BRINGBIRDSBACK

HOME FINDINGS NEWS ROOM 7 SIMPLE ACTIONS

3 BILLION BIRDS GONE

Together we can bring them back

HOW TO HELP



Audubon

Two-thirds of North American birds are at risk of extinction from climate change

Sage Thrasher Photo: Mick Thompson/Eastside Audubon



Audubon

Climate action today means a better chance for birds tomorrow

California Quail Photo: Mick Thompson/Eastside Audubon



ReWild Mission Bay

- We need a science-based plan.
- This is a chance for the City of San Diego to lead the nation.
- This is a life and death opportunity for endangered species, and to begin to fight climate change.





Figure 4. Projected flood exposure data from the USGS Coastal Storm Modeling System (CoSMoS v3.0; Barnard et al. 2018), accessed via the Our Coast Our Future web platform (Point Blue Conservation Science and USGS 2023).