

COSCO BUSAN OIL SPILL TRUSTEE COUNCIL NEWS UPDATE

10 Years After the Spill...





OIL SPILL AND RESTORATION TIMELINE

The damage assessment began the day of the spill, included over 70 studies, and was completed in less than four years, making it one of the fastest assessments of a major spill. After a period of public comment, restoration projects were finalized and implementation began shortly after the case was settled.

BACKGROUND

Restoration implementation continues as we approach the ten-year anniversary of the Cosco Busan oil spill. To date, over \$20 million of the \$30.5 million settlement has been allocated to over 50 projects around the Bay Area and beyond. These projects are designed to enhance and restore recreational opportunities, wildlife, beaches, and habitat injured as a result of the spill.

This newsletter highlights some of the projects. You can find more information about the spill, the settlement, the restoration plan and other links at www.dfg.ca.gov/ospr/NRDA/cosco_busan_spill.aspx





MILLER KNOX & FERRY POINT IMPROVEMENTS

Partnering with \$1 million in settlement funds, the East Bay Regional Park District has completed extensive renovations at this popular shoreline park in Richmond. Improvements included all new restrooms, potable water, new turf fields and native plantings, a modern moisture-sensing irrigation system, new picnic areas, and a fish cleaning station

AQUATIC PARK PROMENADE

The National Park Service completed safety and accessibility improvements along the waterfront Promenade at Aquatic Park at San Francisco Maritime National Historical Park. The project removed old railroad tracks and cracked concrete, and resurfaced the pathway with new concrete. The Promenade is part of the San Francisco Bay Trail.





OTHER RECREATIONAL USE PROJECTS

These projects are in planning, in progress, or completed:

Golden Gate National Recreation Area and Pt Reyes National Seashore

- Ocean Beach O'Shaughnessey seawall repair
- Ocean Beach Master Plan design elements
- Torpedo Wharf repair planning
- Crissy Field Promenade renovation
- Crissy Field Promenade bridge decking replacement
- Fort Mason waterfront railing and apron renovation
- Fort Mason Bay Trail retaining wall repair
- Rodeo Beach restroom, shower, picnic improvements
- South Rodeo Beach trail and stairway improvements

- Muir Beach parking lot and trail renovation
- Stinson Beach Jr. Lifeguard program
- Marine debris removal
- Animal-proof trash and recycling containers
- Educational exhibits and media

Other Bay Area communities

- Point Pinole fishing pier improvements
- Berkeley Marina new restroom
- Berkeley Marina parking lot renovation
- Berkeley Marina piling replacements
- Berkeley Pier surface accessibility planning
- Oakland Estuary marine debris removal
- Lake Merritt floating dock replacement
- East Bay shoreline recreation program for youth
- Hayward fishing class for youth

- Belden's Landing fishing/boating improvements
- Sears Point Bay Trail construction
- McNears Beach pier repair planning
- Sausalito fishing pier planning
- ETC Accessible Sea Kayak program
- Bayfront Park pier rehabilitation
- Foster City kiteboard/windsurf area upgrades
- Coyote Point Promenade improvements
- Palo Alto Baylands youth & family program
- East Palo Alto Bay Trail beautification
- Marine Science Institute facility upgrades
- Pacifica Pier improvements
- Montara Beach access improvements
- Surfer's Beach access and erosion control planning

New launching ramp at Coyote Point



Derelict vessel removal in Oakland



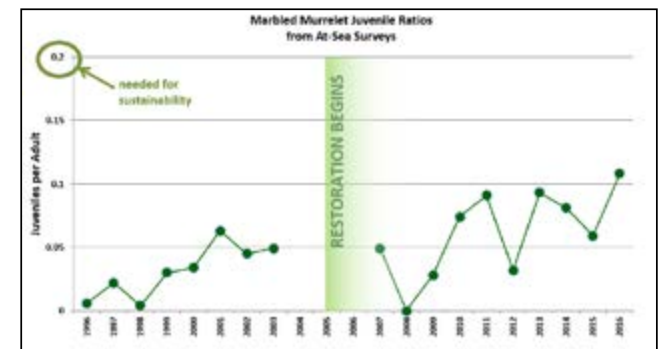
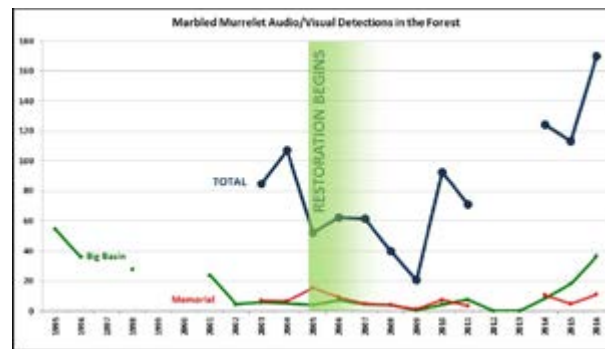
Bay Trail extension at Sears Point.





MARBLED MURRELET RESTORATION

Recent data from the Santa Cruz Mountains are good news for Marbled Murrelets. Building on earlier restoration efforts to control food waste around campgrounds, State Parks embarked on an ambitious project to teach jays and ravens to avoid eating murrelet eggs (see earlier newsletters). The first full-scale effort at Big Basin was last summer. While we don't know for sure if these efforts are directly connected to murrelet recovery, it is clear there are now more murrelets flying inland to nest and more juvenile birds at sea.



ROCKWEED RESTORATION

Rockweed (also known as *Fucus*) is a key component of rocky intertidal habitat. To recover this sensitive seaweed species from the impacts of the spill, researchers from UC Santa Cruz carried out a series of transplant experiments near Point Isabel in the East Bay. After a slow start due to unusually warm water in 2015, conditions returned to normal and the rockweed in the restored area recovered to a level where no further transplantation was needed. The next step is to focus on areas of rocky intertidal habitat near San Leandro Marina.

More information can be found about this project at www.eeb.ucsc.edu/pacificrockyintertidal/data-products/fucus-restoration/index.html

2017 marked the fifth consecutive summer that Black Oystercatchers nested at Aramburu Island.



OTHER WILDLIFE AND HABITAT PROJECTS

These projects are in progress or completed:

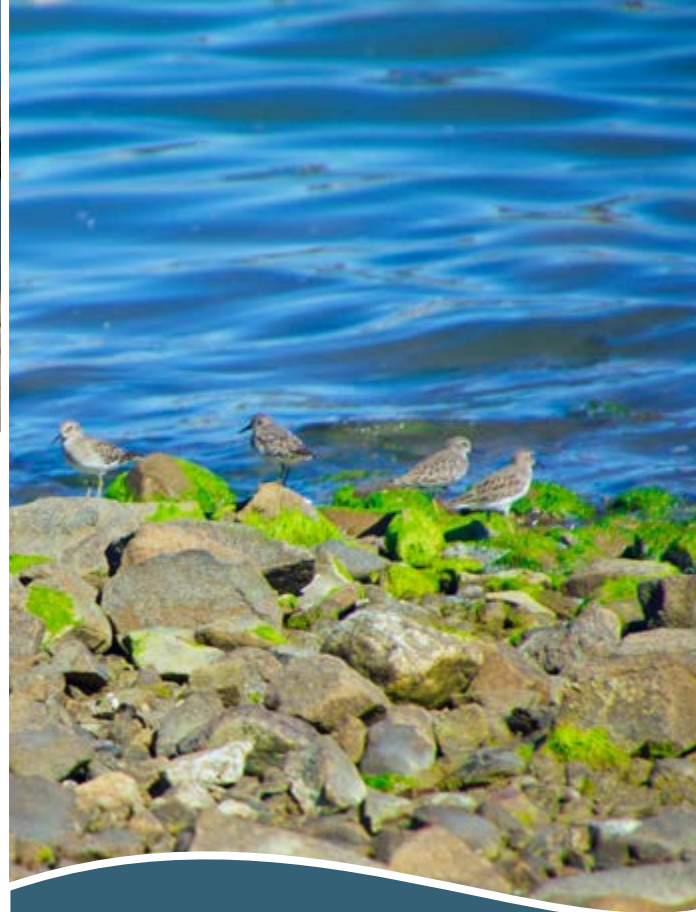
- Eelgrass restoration at multiple locations in San Francisco Bay
- Aramburu Island restoration
- Muir Beach dune restoration
- Native oyster restoration near Richmond
- Rockweed restoration at San Leandro Marina
- Farallon Island nest site construction
- Eden Landing salt pond management for Snowy Plovers and diving ducks
- Marbled Murrelet restoration at Grizzly Creek and Humboldt Redwoods State Parks
- Surf Scoter restoration/derelict net removal in Salish Sea, Canada





ARAMBURU ISLAND

Restored Aramburu Island shoreline showing the re-sculpted beach nourished with cobble, gravel, sand and oyster hash that creates better shorebird habitat and dissipates wave energy, reducing shoreline erosion.



NORTH BAY

Planting eelgrass at several sites in the North Bay. Eelgrass restoration is now proceeding in the East Bay.



MUIR BEACH

Muir Beach, with improved parking lot, new pedestrian boardwalk, and new picnic area.



COSCO BUSAN TRUSTEE COUNCIL BUDGET

Amount Received **\$30,506,000**

Current Allocations

Farallon Island Nest Site Construction	\$95,192
Eden Landing Salt Pond Restoration	\$774,797
Marbled Murrelet Restoration	\$456,832
Surf Scoter Restoration	\$270,956
Eelgrass Restoration	\$1,139,967
Aramburu Island Restoration	\$1,002,417
Muir Beach Dune Restoration	\$175,000
Albany Beach Restoration	\$1,300,000
Native Oyster Restoration	\$520,101
Rockweed Restoration	\$447,871
Recreational Use Projects/NPS (17 projects)	\$7,939,931
Recreational Use Projects/state (25 projects)	\$5,547,159

AGENCY OVERSIGHT \$1,227,000

TOTAL ALLOCATED \$20,897,223

Total Amount Remaining **\$9,608,777**

NATURAL RESOURCE TRUSTEE AGENCIES

California Department of Fish and Wildlife

California State Lands Commission

United States Fish and Wildlife Service

National Park Service

National Oceanic and Atmospheric Administration



ADDITIONAL INFORMATION

www.dfg.ca.gov/ospr/NRDA/cosco_busan_spill.aspx

<https://darrp.noaa.gov/oil-spills/mv-cosco-busan>

www.fws.gov/contaminants/Issues/OilSpill.cfm