



NOAA Restoration Center

San Francisco Bay Community-Based Restoration Program-2001

Project Description

Local schools, community groups, and agencies will be involved in Bay restoration and monitoring to enhance wetland, estuarine, riparian and oyster habitat along the Martin Luther King (MLK) shoreline in Oakland, San Francisquito Creek in Palo Alto, Tolay Creek on the Sonoma/Napa boundary and oyster sites (Sausal Creek, San Pablo Creek, Richardson Bay, Coyote point, Redwood creek) for the oyster restoration project. The focus of the project will be native plant species propagation and planting as well as oyster restoration.

Project Nickname STB/RAE 2001 / RAE-01

Location Oakland, Alameda County, CA, 94612 SWR

Program Community-based Restoration **Congressional District** CA 13

Lat, Long Coordinates -122.2229, 37.7474 **Land Ownership** Public

Implementation Start Date 01-DEC-01 **Implementation End Date** 30-JUN-02

River Basin Tolay Creek & San Francisquito Creek **HUC** 08050004

Geographic Identifier San Leandro Bay **USGS Topo Quad** SAN LEANDRO and OAKLAN

Project Status Implementation Complete **Project Type** Restoration

Project Status Description As part of the multiyear partnership with RAE the 2001-2002 year has been completed. Within this year multiple restoration sites were added including the original MLK shoreline.

Landmark Martin Luther King Jr. shoreline, Tolay Creek, San Francisquito Creek, oyster sites

Number of Volunteers 3259 **Volunteer Hours** 9797

Volunteer Description MLK - a total of 1,919 volunteers spent 5,757 hours towards seed collection, removing non-natives, and planting 3,600 site specific native plants. Over 3,000 pounds of non-natives were removed from this site.

San Francisquito Creek - This is a new site this year. 602 volunteers worked to collect seeds, remove non-natives from 3 acres of creek bed, and planted out 9,000 site-specific plants. This amounted to 1,806 volunteer hours.

Tolay Creek - Another new site that needs revegetation to stabilize existing levees to prevent erosion. A total of 718 volunteers spent 2,154 volunteer hours towards collecting seed, removing non-natives, and planting out 2,600 site specific plants. Volunteers removed non-natives from 2 acres of shoreline.

Native oyster project - Five sites Sausal creek, San Pablo Creek, Richardson Bay, Coyote Point and Redwood Creek. At these sites volunteers monitored shell strings for native oyster settlement, settlement of other invertebrates, and water quality. A total of 20 volunteers assisted.

Proposed Project? **Project Closed?** Y **FY Completed** 2002

Habitat Information

Type	Acres Created	Acres Re-established	Acres Rehabilitated	Acres Enhanced	Acres Protected	Stream Miles	# Plants/Animals
oyster reef	.5						
tidal wetlands			5				15000
water column				.5			

Species Information

Commonname	Genus	Species	Population Name	NMFS Status	Species Type
Cordgrass, smooth	<i>Spartina</i>	<i>alterniflora</i>			plant
Oyster, olympia	<i>Ostrea</i>	<i>conchaphila</i>			animal

Partners

Restoration Techniques

riparian planting
removal of non-native/invasive species
oyster reef construction
debris removal/cleanup

California Coastal Conservancy
East Bay Regional Park District
NMFS Southwest Region
National Fish and Wildlife Foundation
Friends of Sausal Creek

shellfish seeding/transplant

Contacts

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NOAA Involvement

technical assistance/expertise
source of funding

Monitoring Information

Characteristic	Type
Vegetation species presence/absence	Structural
Vegetation % Cover	Structural
spat set	Functional

Additional Info

water quality-add parameters PH, O2, nitrates, temperature and phosphorous

Funding Information

Funding Mechanism	FY Awarded	NOAA Contribution	Partnership Contribution	Total Partnership Contribution
Restore America's Estuaries	2001	\$125,000	\$0	\$125,000
TOTALS		\$125,000	\$0	\$125,000

Other Non-Federal \$ **Other Federal \$** **Total Project Cost**

Funding Recipient Save San Francisco Bay Association

Funding Comments Entered required 1:1 match. Recipient may have overmatched. MLG 3-19-04.

Project Abstract

In a continuation from year one, this project has been expanded to include two new riparian, tidal slough restoration projects at Tolay Creek and San Francisquito Creek. This second year also looked at oyster settlement on oyster strings that were placed at five sites (Sausal Creek, Richardson Bay, Coyote Point, Redwood Creek and San Pablo Creek) around the Bay. Volunteers removed non-native vegetation, planted site specific native plants and propagated collected seeds. For the oyster projects volunteers monitored native oysters on 10ft long shell strings. A total of 3259 volunteers took part in restoration efforts. Over 15,000 plants were planted and over 3,000 pounds of non-native species were removed. Over 150 oysters were found growing on the oyster strings.