



Doc Quack Talks about Plovers  
With Volunteers



Oyster Shell Tossing  
with Volunteers



Moving & Spreading Sand  
With Volunteers



Outdoor Environmental Education &  
Oyster Tossing

## Introduction

The East Bay Regional Park District (EBRPD) is the largest urban regional park district in the nation. There are 73 parks, 1,250 miles of trails, and 40 miles of shoreline that make up 121,000 acres throughout Alameda and Contra Costa Counties. The parks offer a serene get-away from a busy lifestyle in the backyard of East Bay residents, and are so popular, that every year they host over 25-million visits.

The SF Bay Area is a highly desirable place to live, not only for people, but for a wide variety of fish and wildlife that rely on the water and surrounding landscapes for food and shelter. The parks serve as sanctuaries for many plant and animal species - ecological treasures in the midst of highly urbanized areas, and in some cases, are among the few remaining places that sensitive and endangered wildlife can take refuge. From a conservation standpoint, the Bay Area is an ecological treasure, with many precious habitats that need protection, restoration, and management to continue to thrive.

The EBRPD manages several shoreline habitats, and is in a key position to aid federal, state, and private agencies in their efforts to revitalize wetlands. One of these habitats is the Martin Luther King Jr Shoreline in Oakland. At the beginning of 2019 the Alameda County Fish and Game Commission awarded the Regional Parks Foundation \$5,000 to support the restoration efforts at this shoreline park. The multiyear project will restore some of California's precious remaining wetlands, create a shorebird sanctuary, and support the US Fish and Wildlife Service's Recovery Plan for the Western Snowy Plover, by enhancing and creating new nesting habitat within the SF Bay region.

**Funds from the Alameda County Fish and Game Commission were used to purchase bulk materials. All funds from the Commission were used to purchase sand and crushed oyster shells that will help create ideal nesting conditions at the site.**

## Project Highlights

- ✓ Vegetation Removal – From December to the end of February, during the first year of the project, workers and volunteers removed overgrown vegetation from the island and developed maintenance protocols to ensure that invasive plants do not return. Every year since then, volunteers and staff maintain this area before the spring breeding season to discourage regrowth.
- ✓ Monitoring Spring Breeding Season – From March to the end of July project staff monitor the island for nesting shorebirds. In 2019, during this monitoring period, Doc Quack found shorebirds nesting at the site for the first time in over 10 years!
- ✓ Purchase and move bulk materials – Funds from the Alameda County Fish and Game Commission were used to purchase bulk materials. All funds from the Commission were used to purchase sand and crushed shells for the project.
- ✓ Spread bulk materials – Working with project staff, volunteers, and CiviCorps workers (on a limited basis), the materials were moved and spread across the island.



Retaking the Island at the MLK Jr Shoreline will create new nesting habitat for birds such as this Western Snowy Plover

## Volunteer Engagement

During 2019, 250 volunteers donated more than 1,200 hours of their time working on the shoreline restoration project.

## Expenditures

Funds from the Alameda County Fish and Game Commission were used to purchase sand and crushed oyster shells. All funds were expended - Please see attached expense report.

## Next Steps & Needs

Moving forward the activities will continue in a cyclical fashion until the ideal ground matrix is reached to support nesting. Since the area has been cleared, yearly maintenance will be conducted to prevent the return of the invasive plants. Cyclical activities include: invasives maintenance, monitor spring breeding season, purchase additional bulk materials and stage for spreading, and spread materials. We will also continue to engage volunteers.

The project is a multi-year, phased project and the needs from year-to-year are similar. Doc Quack will need to purchase additional bulk materials, however the greater need is for support to pay the CiviCorps crews. CiviCorps helps the East Bay's highest risk young adults (ages 18-26) gain an education and job training experience while earning money. The District partners with CiviCorps, and for the MLK Jr Shoreline restoration project, work crews are providing extra assistance to move and spread the bulk materials. Each crew works for a period of 1-week at a cost of \$8,000. The crews will continue to be a large part of the budget moving forward.

**Attachments:** Expense Report and receipts



## Martin Luther King Jr Shoreline Restoration & Nesting Sanctuary

DATE	SUPPLIER	ITEMS	TOTAL COST
6/26/19	Livermore Feed	6 bags of oyster shells	\$64.44
6/27/19	Livermore Feed	6 bags of oyster shells	\$64.44
7/1/19	Livermore Feed	6 bags of oyster shells	\$64.44
7/15/19	Livermore Feed	8 bags of oyster shells	\$85.92
7/23/19	Livermore Feed	8 bags of oyster shells	\$85.92
7/29/19	Livermore Feed	8 bags of oyster shells	\$85.92
8/1/19	Livermore Feed	8 bags of oyster shells	\$85.92
8/2/19	Livermore Feed	10 bags of oyster shells	\$107.40
8/13/19	Livermore Feed	10 bags of oyster shells	\$107.40
8/22/19	Livermore Feed	10 bags of oyster shells	\$107.40
8/27/19	Livermore Feed	10 bags of oyster shells	\$107.40
8/23/19	Clarks Home & Garden	6 cubic yards of mixed sand	\$693.07
8/29/19	Clarks Home & Garden	6 cubic yards of mixed sand	\$693.07
8/29/19	Livermore Feed	10 bags of oyster shells	\$107.40
9/3/19	Livermore Feed	8 bags of oyster shells	\$85.92
9/10/19	Livermore Feed	5 bags of oyster shells	\$53.70
9/12/19	Livermore Feed	8 bags of oyster shells	\$85.92
9/26/19	Livermore Feed	10 bags of oyster shells	\$107.40
9/27/19	Clarks Home & Garden	6 cubic yards of mixed sand	\$693.07
10/1/19	Livermore Feed	10 bags of oyster shells	\$107.40
10/10/19	Livermore Feed	10 bags of oyster shells	\$107.40
10/17/19	Livermore Feed	5 bags of oyster shells	\$53.70
10/22/19	Livermore Feed	8 bags of oyster shells	\$84.24
10/24/19	Livermore Feed	5 bags of oyster shells	\$53.70
10/29/19	Livermore Feed	10 bags of oyster shells	\$107.40
10/31/19	Livermore Feed	6 bags of oyster shells	\$64.44
11/5/19	Livermore Feed	6 bags of oyster shells	\$64.44
11/12/19	Livermore Feed	8 bags of oyster shells	\$85.92
11/14/19	Livermore Feed	8 bags of oyster shells	\$85.92
11/18/19	Livermore Feed	5 bags of oyster shells	\$53.70
11/19/19	Livermore Feed	3 bags of oyster shells	\$32.22
11/21/19	Livermore Feed	10 bags of oyster shells	\$107.40
11/23/19	Livermore Feed	10 bags of oyster shells	\$105.30
		<i>Subtotal - Habitat Enhancement</i>	<i>\$4,599.33</i>
8/30/19	West Tek Supply, Inc	Weed prevation fabric 12.5' x 432'	405.86
		<i>Subtotal - Supplies</i>	<i>405.86</i>
<b>TOTAL</b>			<b>\$5,005.19</b>