

## Progress Report

Progress Report # 2

Reporting Period: November 30, 2011  
to June 14, 2012

Submittal Date: **June 14, 2012**

Agreement No: 10-414-550

Project Name: Newport Coast ASBS Protection Implementation Program

Contractor Name: City of Newport Beach

Program Director/Designated Representative: Robert Stein

### Summary of Work Completed to Date:

<u>Task</u>	<u>Deliverable by Subtask #</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Submitted</u>
A. Plans and Compliance Requirements	2.1 Project Assessment and Evaluation Plan		100%	
	2.2 Monitoring Plan		100%	
	2.3 Quality Assurance Plan		100%	
	2.4 Data Management		25%	
	6. Signage		25%	
<b>B. WORK TO BE PERFORMED BY GRANTEE</b>				
1.0 Runoff Reduction Program (Consultant: Valley Soils)	1.1 Prepare assessments		50%	
	1.2 Marketing campaign		75%	
	1.3 Irrigation evaluations		50%	
	1.4 Baseline monitoring		50%	
	1.5 Installations		50%	
	1.6 Verification inspections		50%	
	1.7 Outreach		60%	
	1.8 Program effectiveness evaluation		0%	
2.0 Buck Gully Erosion Control/Wetlands Project and Storm Drain Infiltration Gallery (Contractor: ECI; Consultant: Weston Solutions)	2.1 Buck gully Erosion Control/wetlands project		95%	
	2.2 Storm Drain Infiltration Gallery		75%	
3.0 Crystal Cove Park Parking Lot Improvements (Consultant: Weston Solutions)	3.1 Design		50%	
	3.3 Construction		0%	

4.0 Los Trancos Pond Improvement Project (Consultant: Weston Solutions )	4.1 Design		50%	
	4.3 Construction		0%	
5.0 Pesticide Management Program	5.1 Pesticide use campaign		25%	
	5.2 Workshops		25%	
	5.3 CASQA participation		0%	
6.0 Public Impact Reduction	6.1 Program Development		80%	
	6.2 Interpretive signage		15%	
	6.3 Monitoring		15%	
7.0 Little Corona Rocky-intertidal Restoration Pilot Program (Consultants: Cal-State Fullerton and Weston Solutions)	7.1 Implement Pilot Program		20%	
	7.2 Biological survey		0%	
8.0 ASBS Collaborative Management Program (City is the lead on this task)	8.1 Create centralized website		10%	
	8.2 Ecosystem impact metric		5%	
	8.3 Annual report		0%	

## Introduction

This grant project implements eight tasks to protect water quality and habitat of the ASBS through projects and public outreach. Highlights for the latest period include:

- **Task 1.5:** Over 300 residential and 40 commercial smart irrigation controllers have been installed in Newport Coast. We are ahead of schedule for installing 600 controllers.
- **Task 2.1:** The \$1.2 million project to construct the Buck Gully Restoration Project has been substantially completed with the contractor now performing the final task: establishment of the restoration landscaping.

Overall, Program tasks are approximately 30-35 percent complete and we continue to be on track to meet the contract schedule.

## Task Accomplishments

This section describes the work completed in the past period for completing each of the contract tasks.

### **TASK A: Project Assessment and Evaluation Plan (PAEP), Monitoring Plan, Quality Assurance Project Plan (QAPP) and California Environmental Quality Act**

Tasks 2.1, 2.2 and 2.3 - These tasks are completed.

Task 2.4 –We are coordinating with SCRIPPS on the data collection and using the results to inform the monitoring, study questions and methods. The collaboration includes identifying the importance of fresh water inputs from

both storm drains and larger regional sources including the canyon creeks and Newport Harbor as potential sources of temporary impacts to the ASBS. These findings are important in developing the impact metric as a tool to assess impacts to ASBS and the potential sources of the impacts using a weight of evidence approach.

Task 6 – Water Board recognition signage has been prominently posted at the Little Corona Restoration project site (Task 7).

## **TASK B – WORK TO BE PERFORMED**

### **Task 1.0 Runoff Reduction Program**

Over 300 residential and 40 commercial smart irrigation controllers have been installed in Newport Coast. We are ahead of schedule for installing 600 controllers. See the sample flyer promoting the runoff reduction program and photos for controller installation and training.

### **Task 2.0 Buck Gully Erosion Control/Wetlands Project and Storm Drain Infiltration Gallery**

#### Task 2.1: Buck Gully Erosion Control/Wetlands Project

Project construction has been completed successfully including revegetation and the canyon has been replanted. The project is now into the four-month plant establishment period. Please see the attached photos. This project provides filtration for dry weather flows through the drop structures and special underground filters between the drop structures.

#### Task 2.2: Storm Drain Infiltration Galley

75% complete drawings have been prepared to capture, filter and infiltrate dry weather flow from the Shore Cliffs Community Association. See the attached plan. Construction is anticipated in Spring 2013.

### **Task 3 Crystal Cove Park Parking Lot Improvements**

Construction drawings are 50% complete. (See the attached cover sheet.) This project will make modifications to one of the park's parking lots to collect, filter and infiltrate a first flush storm. Construction is projected to occur next Spring.

### **Task 4 Los Trancos Pond Improvement Project**

Two concept designs have been prepared to modify the pond and replant with native plants. The cover sheet is attached to this report. These concepts will be reviewed with the Coastal Commission. Construction is projected to occur next Spring.

### **Task 5 Pesticide Management Program**

Three City staff members attended an integrated pest management program last fall sponsored by the Orange County Stormwater Program. This month, on June 30<sup>th</sup>, the City will be sponsoring a gardener's workshop for community members and landscapers (see the attached flyer).

**Task 6 Public Impact Reduction**

Task 6.1: We have made good progress toward the delivery of our so-called "Traveling Tidepools", a vehicle outfitted with marine touch tanks. The award for the customization of the vehicle will be made next month. The outfitting of the vehicle is expected to be completed by December with testing of the vehicle the following month. I will have more details in the next report.

Task 6.2: The Marine Protection Area Council has provided recommendation for the signage which I will forward to you for review and approval. Staff has met with the Department of Fish & Game to discuss sign locations. I will forward this information to you.

Task 6.3: Our docents are monitoring use of the tidepools and are developing data that will be used to gauge changes.

**Task 7 Little Corona Rocky-Intertidal Restoration Pilot Program**

Dr. Jayson Smith of Cal Poly Pomona has prepared a work plan and has formed a team of graduate and undergraduate students for the work of removing invasive algae from the Little Corona cove. Approvals from the California Department of Fish and Game have been obtained. The area has been assessed and the removals and monitoring have begun (see photo). The monitoring includes an assessment of public trampling.

**Task 8 ASBS Collaborative Management Program**

No work under this task was performed this period.

**Project Budget**

The following summarizes paid invoices and in-lieu work for the various tasks. I am working to send an invoice to the State Board this month.

State funding	\$ 0
City funding	\$ 1,501,342
IRWD funding	\$ 0
City and IRWD staff time	\$ 65,272

Submitted by: 

Date: 6/14/12

**Attachments:**

Task 1 – Runoff Reduction Program

Runoff Reduction Program Flyer

Irrigation controller installation and training photos

Task 2.1 – Buck Gully Erosion Control Project

Buck Gully construction photos (9 photos)

Task 2.2: Shore Cliffs Storm drain infiltration galley project – Sheet 1 (50% complete)

Task 3: Crystal Cove Park Parking Lot Improvements - Sheet 1 (50% complete)

Task 4: Los Trancos Pond Restoration – Sheet 1 (50% complete)

Task 5: Gardener's Workshop Flyer

Task 7: Photo showing invasive algae removal