

## **Progress Report**

### **Progress Report # 4**

**Reporting Period:** November 20, 2012  
to March 20, 2013

**Submittal Date:** **March 28, 2013**

**Agreement No:** 10-414-550

**Project Name:** Newport Coast ASBS Protection Implementation Program

**Contractor Name:** City of Newport Beach

**Program Director:** Robert Stein

### **Summary of Work Completed to Date:**

<u><b>Task</b></u>	<u><b>Deliverable by Subtask #</b></u>	<u><b>% of Work Complete</b></u>	<u><b>Date Submitted</b></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	50%	
	6. Signage	50%	
<b>B. WORK TO BE PER-FORMED BY GRANTEE</b>			
<b>1.0</b> Runoff Reduction Program (Consultant: Valley Soils)	1.1 Prepare assessments	95%	
	1.2 Marketing campaign	95%	
	1.3 Irrigation evaluations	95%	
	1.4 Baseline monitoring	75%	
	1.5 Installations	90%	
	1.6 Verification inspections	85%	
	1.7 Outreach	95%	
	1.8 Program effectiveness evaluation	0%	
<b>2.0</b> Buck Gully Erosion Control/Wetlands Project and Storm Drain Infiltration Gallery (Contractor: ECI; Consultant: Weston Solutions)	2.1 Buck gully Erosion Control/wetlands project	100%	3/28/13
	2.2 Storm Drain Infiltration Gallery	80%	
<b>3.0</b> Crystal Cove Park Parking Lot Improvements (Consultant: Weston Solutions)	3.1 Design	100%	3/28/13
	3.3 Construction	0%	
<b>4.0</b> Los Trancos Pond Improvement Project (Consultant: Weston Solutions )	4.1 Design	100%	3/28/13
	4.3 Construction	0%	

<b>5.0</b> Pesticide Management Program	5.1 Pesticide use campaign	100%	3/28/13
	5.2 Workshops	100%	3/28/13
	5.3 CASQA participation	100%	3/28/13
<b>6.0</b> Public Impact Reduction	6.1 Program Development	75%	
	6.2 Interpretive signage	50%	
	6.3 Monitoring	25%	
<b>7.0</b> Little Corona Rocky-intertidal Restoration Pilot Program (Consultants: Cal-State Fullerton and Weston Solutions)	7.1 Implement Pilot Program	65%	
	7.2 Biological survey	65%	
<b>8.0</b> ASBS Collaborative Management Program (City is the lead on this task)	8.1 Create centralized website	90%	
		20%	
	8.2 Ecosystem impact metric	0%	
	8.3 Annual report		

## 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 800 residential irrigation controllers have been installed in Newport Coast. This program continues to be very popular with the community.
- **Task 2.2, Task 3 and Task 4:** The design for these projects has been completed. Construction will commence the second week in May.

Overall, Program tasks are approximately 70 to 75 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 –This task is on-going. 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 – Construction documents have been prepared for the three construction project sites at Shorecliff Road, Crystal Cove Park parking lot, and Los Trancos Creek ponds. Recognition signage will be posted at the three construction sites.

## **TASK B – WORK TO BE PERFORMED**

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

Over 800 smart irrigation controllers and 2,000 high efficiency irrigation nozzles have been installed in Newport Coast. The program is widely popular and the City is looking for ways to extend it. Under this task, water usage reduction will be calculated and results forwarded to the Board in subsequent progress reports. The City has contracted for the installation of a permanent flow meter in Buck Gully to monitor changes in dry weather flow (primarily due to over-irrigation activities) into the canyon.

### **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 including the four-month plant establishment period. Post-construction monitoring has begun and will continue through the rain season. An analysis will be prepared comparing pre-project and post-project water quality. Photos of the project one year after completion are attached. A copy of the As-Built Drawings is provided on the attached CD.

#### **Task 2.2: Shorecliff Storm Drain Infiltration Gallery**

Construction drawings are 100% complete. Construction will commence the second week of May. Construction drawings are attached. Once constructed, dry weather flows from the Shore Cliffs Community Association, will be captured, filtered and infiltrated.

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

This project will make modifications to one of the park's parking lots to collect, filter and infiltrate a first flush storm. Construction drawings are 100% complete. Construction will commence the second week of May. Construction drawings are attached.

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

This project will modify the pond and replant with native plants. Construction drawings are 100% complete. Construction will commence the second week of May. Construction drawings are attached.

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

This task is complete. I have attached information about the March 13, 2013 Water Miser Workshop, June 30, 2012 Gardener's workshop conducted for community members and landscapers, and the February 9, 2011 Integrated Pest & Fertilizer Management Workshop.

### **Task 6 Public Impact Reduction**

**Task 6.1 – Reduce Public Impact:** A vendor has been selected to put together a custom vehicle that can support and transport marine aquarium and touch tanks. Customization

of the vehicle is proceeding. To date, the vehicle's box has both side and back doors installed, windows installed, and channel drains installed in the floor. Electrical, air conditioning and topside vents are being installed. The City is working with California Department of Fish and Wildlife to select the aquaria to be installed in the vehicle. The aquarium fabricators feel it should take about 1 month to build and install the aquaria. The vehicle is projected to be operation in summer, 2013. Photos of the vehicle are attached. The task is approximately 70% complete.

Task 6.2 – Interpretive Signs: The Marine Protection Area Council has provided recommendation for the ASBS signage. Draft signage layouts are being prepared specifically addressing water quality issues in Buck Gully which drains to the ASBS at Little Corona Beach.

Task 6.3 – Tidepool Monitoring: City docents continue to monitor use of the tidepools and are developing data that will be used to gauge changes.

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

An update on the status of this task is provided in the attachment.

### **Task 8 ASBS Collaborative Management Program**

Task 8.1 – Centralized Website: Work continues for creating a website for enhancing coordination among ASBS stakeholders and conveying updates on work on ASBS. The website will include an Ocean Spaces tab and also a student citizen science tab, where students can contribute their observations to a virtual species inventory of local tidepools. We are in the process of obtaining permission from NOAA to add different videos as well. This new site will be linked to the City's site.

Task 8.2 – Impact Metric: Fifty percent of the contract water quality monitoring has been completed with one more wet weather and one more dry weather event still to monitor.

## **SCHEDULE AND BUDGET**

We are now into our third year of the this three year grant and we are about 70% complete, so project tasks are tracking nicely. A revised Invoice #1 has been submitted. I hope to have the second invoice submitted by June.

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

### **Attachments:**

Task 2.1: Buck Gully Photos

Task 2.1: Buck Gully Restoration Project "As-Built" (on CD)

Task 2.2: Shorecliff Road Infiltration Gallery - Signed Construction Drawings (on CD)

Task 3: Reef Point Parking Lot Improvements Signed Construction Drawings (on CD)

Task 4: Los Trancos Pond Improvements Signed Construction Drawings (on CD)

Task 5: Pesticide Management Program Workshop Materials

Task 6.1: Traveling Tidepools Vehicle - Photos

Task 7: Little Corona Rocky-Intertidal Restoration Pilot Program Update