



Progress Report

Progress Report # 6

Reporting Period: November 1, 2013
to February 19,
2014

Submittal Date: February 25, 2014

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>Task</u>	<u>Deliverable by Subtask #</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	50%	
	6. Signage	100%	
B. WORK TO BE PERFORMED BY GRANTEE			
1.0 Runoff Reduction Program (Consultant: Valley Soils)	1.1 Prepare assessments	100%	
	1.2 Marketing campaign	100%	
	1.3 Irrigation evaluations	100%	2/20/14
	1.4 Baseline monitoring	100%	
	1.5 Installations	100%	
	1.6 Verification inspections	100%	2/20/14
	1.7 Outreach	100%	
	1.8 Program effectiveness evaluation	100%	2/20/14
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	100%	3/28/13
	2.2 Storm Drain Infiltration Gallery	100%	11/3/13
3.0 Crystal Cove Park Parking Lot Improvements (Consultant: Weston Solutions)	3.1 Design	100%	3/28/13
	3.3 Construction	100%	
	3.4 Effectiveness Assessment	100%	2/20/14
	3.5 As-Built Drawings	100%	11/3/13

<u>Task</u>	<u>Deliverable by Subtask #</u>	<u>% of Work Complete</u>	<u>Date Submitted</u>
4.0 Los Trancos Pond Improvement Project (Consultant: Weston Solutions)	4.1 Design	100%	3/28/13
	4.3 Construction	100%	
	4.4 Effectiveness Assessment	100%	2/20/14
	4.5 As-Built Drawings	100%	11/3/13
5.0 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
6.0 Public Impact Reduction	6.1 Program Development	100%	2/24/14
	6.2 Interpretive signage	100%	
	6.3 Monitoring	80%	
7.0 Little Corona Rocky-intertidal Restoration Pilot Program (Consultants: Cal-State Fullerton and Weston Solutions)	7.1 Implement Pilot Program	100%	2/24/14
	7.2 Biological survey	100%	2/24/14
8.0 ASBS Collaborative Management Program (City is the lead on this task)	8.1 Create centralized website	100%	2/20/14
	8.2 Ecosystem impact metric	80%	
	8.3 Annual report	100%	2/24/14
Annual Progress Summaries: 2012 and 2013		100%	
Natural Resource Projects Inventory			
Draft Project Report		100%	4/20/14
Final Project Report			
Final Project Summary			

Introduction

This grant project implements eight tasks to protect water quality and habitat of the ASBS through projects and public outreach. All the projects covered under this grant have now been completed. Staff is now in the process of preparing reports outlined in the contract.

A couple of noteworthy items:

- The Buck Gully Erosion Control Project (Task 2.1) was just awarded the “Environmental Engineering Project of the Year Award” by the Orange County Chapter of the American Society of Civil Engineers (ASCE). It is now a contender for an award at the ASCE regional level.
- California State Parks southern region coordinator has requested more information about the Reef Point Infiltration Project (Task 3) as it could be a template for other state park infiltration projects.

Overall, Program tasks are over 95% complete. Staff and consultants are working to complete the final project report and we will 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 –This task is completed.

TASK B – WORK TO BE PERFORMED

Task 1.0 Runoff Reduction Program

Please find attached two reports for this task. The first report entitled “Runoff Reduction Program – Irrigation System Evaluations, Recommendations, and Installation Verifications”, summarizes the programs pre-installation audit process and the installation verification process with backup documents. The second report, “Runoff Reduction Program – Effectiveness Assessment”, assesses the program effectiveness which found saving in excess of 14 percent.

This task is now complete.

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

Please find attached the “Effectiveness Assessment Monitoring: Buck Gully Erosion Control and Shorecliff Infiltration Gallery Projects, Newport Coast ASBS”. This task is now complete.

Task 3 Crystal Cove Park Parking Lot Improvements

Please find attached a report entitled “Effective Assessment of the Infiltration Project at the Reef Point Parking Lot at Crystal Cove State Park Located in Newport Beach, California - A part of the Newport Coast ASBS Protection and Restoration Program, Final Report, February 2014”. The report shows that the infiltration unit captures of capturing 50% of runoff from a small storm and treating or infiltrating that flow. The

infiltration unit successfully cleans over 90% of the poly-aromatic hydrogen compounds in the flow. This task is now complete.

Task 4 Los Trancos Pond Improvement Project

Please find attached the following:

1. “Los Trancos Creek Maintenance Project, Biological Assessment Memo” and
2. “Results of Post-Construction Site Evaluation at the Lost Trancos Creek Maintenance Project, Crystal Cove State Park, Orange County, California.”

The first document lists the biological assets at the project site prior to restoration. The second document provides the status of the restoration. Native plants are establishing themselves. Maintenance and monitoring activities will continue over the next few years. This task is now complete.

Task 5 Pesticide Management Program

This task is complete.

Task 6 Public Impact Reduction

Task 6.1 – Reduce Public Impact: Please find attached the “Regional Protection Program Report” that outlines the program designed to reduce the intensity of visitor use at highly impacted tidepool areas along the ASBS. Attached to the report are photos showing the traveling tidepool vehicle, artwork for vehicle wrap and interpretive signs to be installed at Little Corona.

Task 6.3 – Tidepool Monitoring: Data has been collected for public use of the tidepools. This data is being analyzed and the results will be included in the final report.

Task 7 Little Corona Rocky-Intertidal Restoration Pilot Program

Please find attached three reports:

- a. Task 7.1 – Non-native seaweeds in the rocky intertidal zone in the Little Corona Del mar Area of Special Biological Significance
- b. Task 7.2 – Temporal Change in Rocky Intertidal Macroflora and Macrofauna Community Composition at Little Corona del Mar, Newport Beach, CA
- c. Task 7.2 – Biological Surveys of Buck Gully and the Nearshore Rocky Reefs of Orange and North San Diego Counties

This task is now complete.

Task 8 ASBS Collaborative Management Program

Task 8.1 – Centralized Website: Please find attached a report outlining the content of a centralized website created in coordination with local stakeholders. The original intent was to create a website that could be used as a forum by the stakeholders to discuss marine life protection policy and scientific endeavors. At this time, the proto-type proved to be too sophisticated for the limited number of active participants. The stakeholders instead elected to launch a website to communicate to the public the coordinated efforts local stakeholders are making to protect the regional sensitive marine life areas. This subtask is now complete.

Task 8.2 – Integrated ASBS Program: All field work has been completed. The data has been analyzed and used to update the Impact Metric. The revised Impact Metric has is included in the Draft Project Report.

Task 8.3 – Annual Reports on the status of the website development: Please the attached reports.

Exhibit B - Section G: Reports

Section G.2 – Please find attached the annual progress reports.

Section G.4. Draft Project Report – Please find attached the “Integrated Areas of Biological Significance 9ASBS) Program - Draft Project Report” for the Integrated ASBS Program.

SCHEDULE AND BUDGET

The second invoice has been revised and resubmitted. The last invoice will be prepared next month.

Submitted by: _____ Date: _____

Attachments:

1. Tasks 1.3 and 1.6 – Runoff Reduction Program: Irrigation System Evaluations, Recommendations and Installation Verification with Appendices A-D
2. Tasks 1.3 and 1.6 – Appendix E (Runoff Reduction Program: Irrigation System Evaluations, Recommendations and Installation Verification)
3. Task 1.8 – Runoff Reduction Program: Effectiveness Assessment
4. Tasks 2.1.3 and 2.2.4 – Effectiveness Assessment Monitoring: Buck Gully Erosion Control and Shorecliff Infiltration Gallery Projects, Newport Coast ASBS
5. Task 3.4 – Effectiveness Assessment of the Infiltration Project at the Reef Point Parking Lot at Crystal Cove State Park
6. Task 4.4 – Los Trancos Creek Maintenance Project, Biological Assessment Memo
7. Task 4.4 – Results of Post-Construction Site Evaluation at the Los Trancos Creek Maintenance Project, Crystal Cove State Park, Orange County, California.
8. Task 6.1 – Regional Protection Program Report
9. Task 7 – Non-native seaweeds in the rocky intertidal zone in the Little Corona Del mar Area of Special Biological Significance
10. Task 7 – Temporal Change in Rocky Intertidal Macroflora and Macrofauna Community Composition at Little Corona del Mar, Newport Beach, CA
11. Task 7 – Biological Surveys of Buck Gully and the Nearshore Rocky Reefs of Orange and North San Diego Counties
12. Task 8.1 – Website Outline and Forum Topics
13. Task 8.3 – 2012 Status of Website Development
14. Task 8.3 – 2014 Status of Website Development
15. Section G.2 – 2012 Annual Progress Summary
16. Section G.2 – 2013 Annual Progress Summary
17. Section G.4 – Integrated ASBS Program Draft Project Report