

Progress Report

Progress Report # 005

Reporting Period: May 1 to June 30,
2007

Submittal Date: July 2, 2007

Agreement No: 05-230-55-0

Project Name: ASBS Planning Program - Integrated Coastal Watershed Management (ICWM) Plan

Contractor Name: City of Newport Beach

Program Director/Designated Representative: Dave Kiff /Robert Stein

Summary of Work Completed During This Reporting Period

<u>Task</u>	<u>Deliverable by Subtask #</u>	<u>Due Date</u>	<u>% of Work Complete</u>	<u>Date Submitted</u>
1.0 PAEP, Monitoring Plan, QAPP and CEQA	1.1 Project Assessment and Evaluation Plan	6/06		
	1.2 Monitoring Plan	10/06		
	1.3 Quality Assurance Plan	10/06	100%	
	1.4 California Environmental Quality Act	2/07	100%	
2.0 WORK TO BE PERFORMED BY GRANTEE				
2.1 Plan Preparation Activities (Consultant: Weston Solutions) (100% complete)	2.1.1 Gather Information	5/06	100%	9/06
	2.1.2 ICWMP TAC meetings	6/06	100%	
	2.1.3 Agency meetings	6/06	100%	
	2.1.4 ICWMP timeline	6/06	100%	
	2.1.5 Identify subcontractors	6/06	100%	11/06
2.2 Public Use Impact Report (Consultant: Coastal Resources)	2.2.1 Review Background Data and Reports	6/06	100%	5/07
	2.2.2 Public Use Report	8/07	20%	
2.3 Urban Runoff Flow and Water Quality Assessment (Consultant: Weston Solutions)	2.3.1 Review baseline data (in progress)	5/06	50%	
	2.3.2 Review and collect water quality data (in progress)	6/06	20%	
	2.3.3 Drainage Area Water Quality Assessment Reports	7/06		

2.4 Cross-Contamination Impacts (Consultant: Everest International Consultants)	2.4.1 Review previous Newport Coast and Laguna Beach watershed reports	8/06	100%	4/07
	2.4.2 Review existing coastal watershed program, marine habitat sites and monitoring programs	8/06	100%	4/07
	2.4.3 Establish range of loading rates for specific constituents	9/06	50%	
	2.4.4 Review water quality data for CCA #69	8/06	100%	
	2.4.5 Review sediment discharge data	8/06	95%	
	2.4.6 Review longshore current and pollutant transport data	8/06	100%	
	2.4.7 Pollutant Loading Report	10/06	95%	
	2.4.8 Expand GIS database	2/07		
	2.4.9 Prepare the hydrodynamic and water quality model	11/06	35%	
	2.4.10 Estimate typical currents using the model	12/06	10%	
	2.4.11 Prepare a Particle Tracking Analysis	1/07	25%	
	2.4.12 Draft Cross-Contamination Impact Report	2/07		
	2.4.13 Final Cross-Contamination Impact Report	3/07		
2.5 ASBS Research and Data Collection and Pilot Renovation Program (Consultants: Weston Solutions, UCI and Cal-State Fullerton)	2.5.1 Review data from other marine protection areas.	7/06	100%	5/07
	2.5.2 Review flow and water quality report from the Cities of Newport Beach and Laguna Beach	7/06	50%	
	2.5.3 Define a toxicological study	8/06	30%	
	2.5.4 Conduct the toxicological study	5/07		
	2.5.5 Define ASBS baseline information. Prepare a monitoring mitigation plan (MMP). Define a comparison study with a reference ASBS			
	2.5.6 Implement MMP and Comparison Study	11/06		
	2.5.7 Define a Pilot Renovation Experiment	5/07	100%	
	2.5.8 Implement a Pilot Renovation Experiment	9/07	35%	
	2.5.9 Add ASBS's to Mineral Management Services tracking program			

2.6 Coordinate Elements into ICWMP (Consultant: Weston Solutions)	2.6.1 Develop metric	9/06	50%	
	2.6.2 Draft Integrated Coastal Watershed Management Plan (ICWMP)	1/08	10%	
	2.6.3 TAC review of ICWMP			
	2.6.4 Final ICWMP	2/08		
2.7 CEQA Documentation and Permits (Consultants: Cal-State Fullerton and Weston Solutions) (100% complete)	2.7.1 Obtain list of required Permits, CEQA	2/072/07	100%	1/07
	2.7.2 Submit permits, CEQA		100%	
2.8 Community Outreach and Agency Training (City is the lead on this task) +	2.8.1 Submit website information	10/07		
	2.8.2 Public Forums	8/07	85%	
	2.8.3 Training Manuals	12/07		

Introduction

The Work Plan is focused on identifying and quantifying those environmental impacts having the most deleterious effects on the water quality and habitat of the ASBSs and then preparing an Integrated Coastal Watershed Management Plan (ICWMP) to mitigate these deleterious effects.

Task Accomplishments (May 1 to June 30, 2007)

This section describes specific tasks accomplished during this period.

Task 1.0 Project Assessment and Evaluation Plan, Monitoring Plan, Quality Assurance Project Plan and California Environmental Quality Act (85% complete)

The QAPP and PAEP are complete. The Evaluation will be prepared at the end of the assessment.

Task 2.1 Plan Preparation Activities (100% complete)

Task completed.

Task 2.2 Public Use Impact Report (40% complete)

Rick Ware of Coastal Resources is conducting the Public Use study. The public use studies have commenced at Little Corona and Heisler Park, followed by Crystal Cove and Morning Canyon.

About half of the 120 public use surveys have been conducted. Surveys are scheduled to continue for the rest of the year. As expected, the initial surveys show that the most heavily used areas are at Little Corona and Heisler Park, followed by Crystal Cove and Morning Canyon.

Task 2.3 Urban Runoff Flow and Water Quality Assessment (25% complete)

Weston Solutions is staging to harvest the outplanted mussels in the Little Corona area and to install another outplanting that will be collected in November.

Task 2.4 Cross Contamination Impacts (35% complete)

Very good progress has been made on this task. Everest has submitted a draft of the Pollutant Loading Report reviewing the existing flow and water quality information in the Bay and along the coast. Unfortunately, the existing information water quality information is often not associated with flow information making it problematic for defining pollutant loadings. We are discussing how to overcome this problem.

Initial particle tracking evaluations by Everest indicate that as pollutants exit the harbor jetty in a non-storm event, some pollutant may approach the shore in a counter-clockwise gyre. To test this, the City authorized Weston to install three velocity sensors outside the harbor jetty to provide data that will be used in the numerical modeling of a potential plume of contaminant emanating from Newport Bay. After one month, the sensors were retrieved and the data has been successfully downloaded. Weston and Everest have begun processing the data.

Task 2.5 ASBS Research and Data Collection and Pilot Renovation Program (30% complete)

The field work for Cal-State Fullerton's rockweed renovation program is about one-third complete. The different transplant scenarios are being monitored and some modifications to the investigation have been made based on the initial findings.

Task 2.6 Coordinate Elements into Integrated Coastal Watershed Management Plan (10% complete)

Weston has prepared a draft watershed management plan that incorporates the emerging data and findings of the ASBS assessments.

Task 2.7 CEQA Documentation and Permits (100% complete)**Task 2.8 Community Outreach and Agency Training (55% complete)**

On May 1st, City staff and consultants presented a workshop reviewing the studies and assessments underway in the ASBS areas. Attendees included staff from DWR, SWRCB, RWQCB, CCC, City of Laguna Beach, California Department of Parks, IRWD, County of Orange, Department of Fish & Game and US Fish and Wildlife. As a working meeting, the workshop solicited advice from attendees on a proposed metric of assessing impacts and a prioritization process for rating projects and programs.

The City has reviewed the results of our work in the ASBS areas with the County of Orange, Upper Newport Bay Naturalists and Friends (Naturalists) and UCI through a series of staff meetings. Based on these meetings, the County, Naturalists, UCI and the City are investigating ideas to protect the health of the ASBSs through projects in the tributary watershed.

The City is teaming with Corona del Mar High School and UCI to modify curriculum to include work the city is doing to protect the ASBS. The AP Environmental Sciences class will include site visits to the ASBS areas, special ASBS protection projects, and guest lecturers.

Program Schedule

The field studies will not be completed until February 2008. While very good progress has been made, this is three or 4 months behind the schedule as originally envisioned. The final analyses and reports are anticipated to take 4 to 5 months to complete. Therefore, the tasks under the grant are not anticipated to be complete before August 1, 2008 and a contract extension will be requested.

Project Budget

Contracts for tasks to be performed by consultants have all been executed within the anticipated budget. The City has issued a budget amendment to Weston Solutions to install the ADCP outside the Harbor Jetty at a cost of \$50,000. A separate contract is in progress with the Corona del Mar High School for the medication of the AP Environmental Science class at a cost of \$14,500. These costs are being absorbed by the City.

Submitted by: _____ Date: _____