

REGIONAL MONITORING WORKGROUP – COPERMITTEES-ONLY MEETING
MEETING SUMMARY

County of San Diego
5201 Ruffin Road, Suite P
San Diego, CA 92123
Tuesday, September 28, 2010
10:00am – 12:00pm

Attendees:

Name	Organization
Jo Ann Weber	County of San Diego
Todd Snyder	County of San Diego
Andre Sonksen	City of San Diego
David Renfrew	Weston Solutions
Sheri Dister	Weston Solutions
Philip Gibbons	Port of San Diego
Tim Murphy	City of Carlsbad
Marisa Soriano	City of Chula Vista
Jaime Campos	City of El Cajon
Erik Steenblock	City of Encinitas
Guy Nelson	City of Imperial Beach
Joe Kuhn	City of La Mesa
John Quenzer	City of National City (D-Max)
Helen Perry	City of Santee
Doug Coppi	City of Vista

REGIONAL MONITORING

Weston provided the group with the following updates on monitoring activities:

- Mass Loading Stations/ Temporary Watershed Assessment Stations
 - (All stations are in place)
- Dry Weather (ambient) Monitoring was conducted at the following flowing sites
 - Santa Margarita - MLS-2, Loma Alta TWAS-1, Buena Vista TWAS-1, Agua Hedionda MLS, San Marcos TWAS-1b, Escondido Creek-MLS, San Dieguito Creek TWAS-1, Los Peñasquitos WMA, Chollas Creek
- San Luis Rey sites were dry or ponded and not flowing as was San Dieguito – TWAS 2 and MLS. Because the San Dieguito TWAS-1 site drains a different area than TWAS 2 and the MLS is downstream of Lake Hodges Dam, the TWAS-1 site was sampled to assess flowing conditions in September. The remaining dry sites will be monitored when baseflows are sustained throughout the watershed during the wet season.
- Split samples were provided to San Diego Coastkeeper (Clay Clifton) for the purpose of comparing general chemistry parameters, nutrients, toxicity, and bacteria. Samples were from Los Peñasquitos (MLS, TWAS-1 and TWAS-2) and Chollas Creek.
- Prepared for first storms after October 1
- Regional Monitoring Report 09-10
 - A schedule is on the meeting agenda. Weston will deliver the first draft by November 1. JW has contacted the jurisdictions that have not turned in their MS4 Outfall monitoring data. Weston has all the DWM data from all jurisdictions.
- FY2001-2012 Scope of Work was delivered to the Regional Board

Contract – Weston was awarded both the Monitoring and Reporting contracts

LTEA/ROWD

Weston will provide a draft of the LTEA assessment section by the first week of December.

The ROWD subworkgroup has met via conference call to discuss the draft outline of the Regional Monitoring section of the ROWD. See the attached proposal from Weston.

BACTERIA REFERENCE BEACH STUDY

The SAG meets on 10/28/10 from 10am-12pm at the City of Oceanside and the quarterly dischargers meeting is on the same date from 1-3:30pm. JW will send more info to the group. The bacteria TMDL has not yet been approved by the Office of Administrative Law (OAL). SCCWRP will prepare a workplan for review by the first or second week of October. A general idea of the cost will be provided to the Copermittees. Contributions to the study will be optional.

TRASH POLICY

The State Water Resources Control Board is proposing a draft Trash Policy. Trash will be considered as a separate pollutant and will establish methods to control trash pollution. There is a CEQA scoping meeting to discuss the policy.

INVOICING/BUDGET

There were two voting items on the agenda – see the attached presentation.

1. Approve Copermittee invoicing for FY2009-2010
 - a. Workgroup discussed quarterly invoices and voted YES to approve reimbursement to other Copermittees and the County
2. Use carryovers and reserves from 2009-2010 budget to be used for the ROWD/ LTEA process. The current budget only covers data analysis, but not recommendations.
 - a. Workgroup discussed and voted YES to use these funds for the ROWD/ LTEA

OUTLINE FOR THE REGIONAL MONITORING REPORT

The group reviewed and discussed a draft annual monitoring report outline. Each section will be around 30 pages and will be in an executive summary format. See the attached outline.

FUTURE MEETINGS

The next Regional Monitoring Workgroup meets on **Tuesday, October 26, 2010** from 10:00am –12:00pm at the County of San Diego at 5201 Ruffin Road, Suite P, San Diego, CA 92123.

Upcoming meetings:

November 30

December 16 (Copermittees-only to discuss the Regional Annual Monitoring Report)

AGENDA
San Diego Regional Monitoring Workgroup – Copermittees-Only Meeting
 County of San Diego, 5201 Ruffin Rd, Ste. P, San Diego, CA 92123
Tuesday, September 28, 2010
10:00AM – Noon

1. Introductions
2. Approve meeting notes from meeting on August 24, 2010
3. Regional Monitoring Activities Update (10:05 to 10:15)
 - a. Update Field Activities (Weston)
 - b. 2010-2011 Scope of Work submitted August 30, 2010 to RWQCB
 - c. Contracts Update
 - d. Reporting Schedules

*** Proposed 2009 -2010 Annual Monitoring Report Schedule**

Item	Date Due	Meeting
Review Draft Receiving Water Results of WMA Section	09/28/2010	Regional Mon Meeting
Draft Report Submitted to Monitoring Workgroup	11/01/2010	-
Comments due to Weston	11/24/2010	-
Comments Consolidated available for Regional Mon WG Meeting	11/30/2010	Regional Mon Meeting
Preliminary Response to Comments due to Copermittees Co- Chair	12/09/2010	-
Response to Comments Meeting	12/16/2010	Regional Mon Meeting
Final Report Submitted to Monitoring Workgroup for RWQCB Submittal	01/18/2011	-

*** Proposed Schedule for LTEA Document (Assessment of 5 yrs of data)**
 Provide draft LTEA Assessment section - 1st week of December 2010

4. TMDL or Other Regulatory Issues (10:15 to 10:20)
 - a. Bacteria Reference Beach/Upstream Work Plan SAG – Next meeting on Oct 28th from 10am to Noon in Oceanside Planning Room next to Library and Quarterly Discharger’s Bacteria Information Sharing from 1pm to 3:30pm (same place)
 - b. Anything else (Group)
5. *****Voting Item***** Review and approval of Copermittees Invoices for work conducted in 2009-2010 (10:30 to 10:45)
6. Review of Draft Receiving Water Results of Watershed Management Area Section of the 2009-10 Annual Monitoring Report (Weston: 10:45 to 11:15)
7. Discussion of Regional Monitoring Assessment Section Outline for Long Term Assessment (approved by LTEA/ROWD subgroup; 11:15 to 11:30)
8. *****Voting Item***** Discussion of 2009-10 budget - recommended carryovers and additional reserves to consider for LTEA/ROWD process that will not be used without the Regional Monitoring Workgroup approval (County requests direction 11:30 to 11:45)
9. Other Items (please bring to meeting)
10. Future Meetings - The following meetings are at the County of San Diego at 5201 Ruffin Rd, Ste. P, San Diego, CA 92123 from 10am to Noon:
 - Tuesday, October 26th
 - Tuesday, November 30th

For updated meeting schedule, agendas and meeting summaries visit www.projectcleanwater.org



WESTON SOLUTIONS, INC.
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Carlsbad, CA 92010
(760) 795-6900 / (760) 931-1580 FAX
www.westonsolutions.com

September 13, 2010

Ms. Jo Ann Weber
County of San Diego Department of Public Works
Watershed Protection Program
5201 Ruffin Road, Suite P
San Diego, CA 92123

Subject: Scope of Work and Cost Estimates for Receiving Waters and MS4 Discharge Monitoring Program Assessment

Dear Jo Ann:

Weston Solutions, Inc. (Weston) is pleased to provide the following cost estimate to prepare the Receiving Waters and MS4 Discharge Monitoring Program Assessment for the Long-term Effectiveness Assessment (LTEA) Report. The estimate is based on preparing Section 2.3 of the outlined sections of the June 2011 Long-term Effectiveness Assessment Draft Outline. Weston will prepare the following sections of part 2.3 in the outline provided at our meeting on August 25, 2010. Modification of the section numbering was made due to duplications in the outline provided. In order to streamline the document and focus effort, subsections where content is provided in other documents (including the 2010 Annual Report), will be limited to references to these reports and an overall summary of key results/findings in tabular form. No additional mapping of these results will be provided. These subsections have been noted below with an asterisk (*). Options have been provided for additional graphic presentation and data analysis, but are excluded from the proposed base costs for this report.

Report Outline:

- 2.3.1 Introduction
- 2.3.2 Overview of Monitoring Program for Order 2007-0001*
- 2.3.3 Purpose and Focus of Assessment
- 2.3.4 Data Used for Assessment*
- 2.3.5 Water Quality Assessment Methodology*
 - 2.3.5.1 Constituent Assessment Scoring Methodology
 - 2.3.5.2 Additional Spatial Analysis Methodology
 - 2.3.5.3 Water Quality Trend Analysis Methodology
 - 2.3.5.4 Water Quality Loading Analysis Methodology
 - 2.3.5.5 Methodology for Assessment of Special Studies Data
- 2.3.6 LTEA Results (by WMA)
 - 2.3.6.1 Santa Margarita River WMA
 - 2.3.6.2 San Luis Rey River WMA
 - 2.3.6.3 Carlsbad WMA
 - 2.3.6.4 San Dieguito River WMA
 - 2.3.6.5 Los Peñasquitos River WMA
 - 2.3.6.6 Mission Bay and La Jolla WMA

- 2.3.6.7 San Diego River WMA
- 2.3.6.8 San Diego Bay WMA
- 2.3.6.9 Tijuana River WMA

Each section of results will be structured in the following manner:

- *Receiving Water Assessment*
 - *Long-Term Methodology (Q1 & Q2)**
 - *Spatial Analysis (Q2)*
 - *Trend Analysis (Q5)**
 - *Loading Analysis (Q5)**
 - *Special Studies (Bight 08 in recv waters)**
- *Urban Runoff Assessment*
 - *Long Term Methodology (Q3)**
 - *Dry Weather (source Id studies- general statistics- increase/decrease, etc.)**
 - *Special Studies (such as TMDLs (Rainbow Creek) or Investigative Orders, Bight 08 bacteria regrowth study perhaps-refer to one Source ID section (Q4))**
- *Sediment Quality Objectives Evaluation of Estuary**
- *Summary of Overall Assessment Results*
- *Comparison to BLTEA Methodology and Current WURMP Priorities*
- *Success in Responding to Monitoring Study Questions*
- *Success in Directing Management Programs (Checklist)*

2.3.7 Assessment of Source Identification Studies

2.3.8 Conclusions and Recommendations

2.3.8.1 Conclusions-What have we learned over the past five years?

2.3.8.2 Recommendations-How can the program be improved, where do areas for reductions/overlap exist? A separate list of recommendations will be prepared for review by the subcommittee prior to inclusion in the report.

The methodology for determining and presenting the LTEA watershed assessments is presented in the Draft Final Methodology for Annual and Long-Term Data Assessments for San Diego County Watershed Management Areas (Weston and MOE, July 2010). The data assessment tables and figures presented in this July 2010 document will be the basis for the LTEA report. The estimated effort for the Regional Monitoring Program Assessment Reporting has assumed the development of interactive mapping for receiving water data as presented in the July 2010 document. The MS4 data presentation for the long-term assessment will also include interactive maps of the regional data as presented in Figure 3-10 and 3-11 of the July 2010 document. In order to provide this added interactive mapping for the 5-year assessment, cost efficiencies will be realized under the annual reporting effort by conducting these effort at similar timeframes and through more focused mapping in the annual report. It is assumed that the annual report mapping effort will be focused on providing the interactive mapping for receiving water data only, and “hot spot” maps of priority constituents based on the annual MS4 data set and interpretation of these data and ratings from the summary tables. Summary tables for all constituents will be provided in both the annual and five-year assessments with the ratings highlighted as presented in the July 2010 document.

The base price provided includes the preparation of the document as outlined above and the supporting summary tables and interactive maps for both regional receiving water and MS4 data for the last 5 years. It also includes project management/meetings and a focused power analysis to meet permit requirements. It does not include the integration of requested third party data. The estimated effort to incorporate and presented third party data would be determined on a case by case basis, and can be provided upon request. Several optional tasks have been provided for consideration:

- ***Option 1 – Updated Regional Monitoring Program Support*** (\$39,536)- Supporting statistics and discussion for an updated regional monitoring program that includes conducting a more extensive power analyses than Task 6 to assess continuation of a rotational design, and analysis of an estimated two other optional alternatives such as surrogate watershed (developed, undeveloped, etc.). Effort includes development of a presentation to the RWQCB, and support in responding to comments.
- ***Option 2 - Magnitude of Exceedance Figures*** (\$12,600) - Magnitude of exceedance of the water quality objectives will be provided in tabular form in the report as part of the base price. This optional task includes the development and submittal of graphical representation of the magnitude of exceedance as bar charts. These plots provide a visual representation of the order of magnitude of the exceedance for prioritization of activities. It is assumed that plot would be generated for the 9 WMAs (\$1,400/watershed) for both wet and dry weather and four constituent categories (bacteria, metals & TSS, nutrients & TDS and pesticides).
- ***Option 3 - Breakdown of Bioassessment Data*** (\$4,480) – This optional task includes providing formatted tables that present the individual metrics of IBI, O/E, and CRAM data. The base costs include providing linked summary tables of the total IBI score and IBI rating, but not the individual metrics that are the basis for these summary tables. These formatted tables of the metrics may provide the detailed information for the predominant metric that is driving the IBI score.
- ***Option 4 - Load Duration Curves and Required BMP Effectiveness Determination*** (\$10,080) – The calculation and presentation of load duration curves provides data on what size storm is driving the exceedances and what is the load reduction and corresponding BMP efficiencies needed to meet the objectives. This analysis provides managers with the estimated level of effort anticipated to meet the objectives from a design storm (storage required) and BMP technology (level of effectiveness) standpoint. This effort will be useful for the integrated effectiveness discussion in the LTEA.

ESTIMATED EFFORT FOR 5-YEAR WATER QUALITY ASSESSMENT

Task #	Description	Cost (\$)
1	Program Management/Meetings – Assumes 3 meetings, client communications, one presentation at one of the three meetings.	\$12,272
2	Report Preparation – Based on outlined presented and streamlined approach using references and summary tables for subsections for which discussion, tables and maps have been developed and submitted including the 2010 Annual Report. Effort includes responses to comments and finalization of report.	\$29,424
3	Maps - Assumes preparation of four maps per WMA (receiving waters wet and dry and MS4 wet and dry-36 total) that include the summary graphic of chemistry, biology, toxicity, TDS, nutrients, and microbiology. Station summary figures or tables are provided separately in the appendix for reference. Development of the interactive maps that link these 36 maps with the data summary tables is included as part of the annual report effort.	\$23,828
4	Receiving Water Data Analysis/Benchmark Tables - Preparation of 5-year summary assessment tables compared to benchmarks (assumes 2 tables per receiving water station one for wet and one for dry for MLS, TWAS, and SMC stations). This task also includes the calculations necessary to complete the summary graphic presented on the maps in task 3.	\$17,016
5	MS4 Data Analysis/Benchmark Tables – Preparation of 5-year summary assessment tables compared to benchmarks (assumes 2 tables per WMA, one for wet and one for dry weather). This task also includes the calculations necessary to complete the summary pies on the MS4 maps (chemistry, nutrients, bacteria, TDS).	\$6,400
6	Power Analysis – Assumes power analysis to be performed on selected data set and focused number of constituents (40 hours budgeted). Scatter plots of the power analysis results will be limited to three constituents. An option task has been included to perform additional analysis and plots to evaluate and support regional monitoring alternatives	\$6,000
Base Cost:		\$94,940

OPTIONAL TASKS

Option #	Description	Cost (\$)
1	Supporting statistics and discussion for an updated regional monitoring program that includes conducting a more extensive power analyses than Task 6 to assess continuation of a rotational design, and analysis of an estimated two other optional alternatives.	\$39,536
2	Magnitude of Exceedance Figures (visual presentation of bar charts	\$12,600

	compared to benchmark, these figures graphically present the data already listed in the tables). Assumes 9 WMAs for both wet and dry weather.	
3	Breakdown of Bioassessment Data (individual metrics of IBI, O/E, and CRAM data).	\$4,480
4	Load Duration Curves and Required BMP Effectiveness determination (used for evaluating the % reduction needed to reach the water quality objectives).	\$10,080
5	Third Party Data (Cost provided dependant on data set included)	TBD

Team Members	Role
David Pohl	Program Manager/Senior Engineer
David Renfrew	Project Manager
Steve Gruber	Task Leader
Andrea Crumpacker	Task Leader-Data Analysis
Satomi Yonemasu	Senior Scientist-Data Analysis
Sue Stefanosky	Senior Scientist-Data Analysis
Sheri Dister	GIS Specialist
Monica Tydlaska	GIS Analyst

Schedule:

Draft Report submitted - December 6, 2010
 Response to Comments – January 10, 2010
 Meeting on draft comments – January 10-21, 2011
 Draft Final Report (full redline/strikeout version) – January 31, 2011
 Final Document submittal – February 14, 2011
 Presentation and Workshop – March 2011

Please call me at 760-795-6918 if you have any questions or comments on this Scope of Work.

Very truly yours,
Weston Solutions, Inc.



David H. Pohl, P.E., Ph.D.
 Program Manager
 cc: Project File

Regional Monitoring Meeting

Sept 28, 2010

Jo Ann Weber

Agenda Item # 5

- Invoices (labor):
- Santee - \$637.17 Dry Weather Wgp
- Port of San Diego - \$2,900.10 – Coastal Report
- Carlsbad - \$2,990.53 –Coastal Report
- County of SD - \$3,608 – Reg Mon, Budget, Rpt

- Unspent labor fund for Workgroup: \$26.9 K

Agenda Item #5- Cont'd

- Consultant Invoices - Weston and SCCWRP
- County of San Diego - \$2,219,109.98
- Key areas where funds not spent:
 - 33 K of carryover from 09-10 for Tox Evaluations
 - 15 K of savings in MLS/TWAS sampling
 - 30 K from Funds reserved for Tox Eval, not needed
 - 30 K from Ambient Bay & Lagoon Program
 - 39 K from SWMM modeling not needed

Summary of 2009-2010 Budget

- Approved Budget : \$2,596,354
- Spent: \$2,229,770
- Unspent Budget: \$ 366,584
- Contracts in progress: \$178,314
(Bacti Regrowth Study & SMC)
- Uncommitted Funds \$ 188,270

Agenda Item #7

- LTEA/ROWD Reg Mon subgroup
 - J. Wood, Carlsbad, H. Perry, Santee, A. Sonksen, San Diego, M. Soriano, Chula Vista
 - Others interested: P. Hartman, Vista & R. LaCarra, Coronado
 - Conf call the week of Labor Day- reviewed proposed outline and provided feedback

Agenda Item #8

- Preliminary Recommendation for unspent funds from the 2009-2010 Reg Mon Budget:
- Recommended carry over to 2010-2011:
- SCCWRP – Bacti regrowth: \$141,564.15
- Southern CA Mon Coalition: \$36,750
- These are ongoing multi-year projects that are committed and progressing on schedule.
- Total recommended carry over: \$178,314.15

Agenda Item #8 – cont'd

- Recommend reserving funds for:
- ROWD Mon. Recommendations: \$50,000
- Facilitate Updated Reg Mon Prog: \$100,000

- No Funding would be used without prior approval of a work plan by the Reg Mon Wkgp and consistent with Copermittees' vision

Why?

- Current budget only covers data analysis and not recommendations. ((50 k request)
- To modify or even keep our current Mon prog, a facilitation process would probably be required “to sell it” to RWQCB and NGOs. An opportunity to define what is important and perhaps allow integration with other programs. Improve the perception of our Mon Prog and improve it. (up to 100 k)
- Downside: AB 411 will be brought up
- May reduce surprises (pay 0.5 mil per yr for Mon not in our last ROWD)
- Last time- we held 5 or so open meetings and invited NGOs and RWQCB, but only RWQCB came once or twice.

Summary of Recommendation

- Recommend for approval:

Carryover to 2010-2011 Budget:

- SCCWRP – Bacti regrowth: \$141,564.15
- Southern CA Mon Coalition: \$36,750

Reserve for 2010-2011 Budget (w Reg Mon approv):

- ROWD Mon. Recommendations: \$50,000
- Facilitate Updated Reg Mon Prog: \$100,000
- Total for carryover/reserve: \$328,314.15
- Amount to Reimburse Copermittees: \$38,269.87

20-Sep-2010
 2009-2010 Monitoring Program
 Invoices Submitted by Copermittees

D. Monitoirng Workgroup and Sub-workgroups

Task 1 Meeting Support

	Budgeted	Invoiced	Amt Different	Copermit	Balance
Subtask 1.A Regional Monitoirng Workgroup Meeting Support	\$4,445.00	\$1,672.00	\$2,773.00	County	\$2,773.00
Subtask 1.B Dry Weather Monitoring Meeting Support					
consultant	\$15,750.00	\$0.00	\$15,750.00		\$15,750.00
Santee	\$2,443.00	\$637.17	\$1,805.83	Santee	\$1,805.83
Subtask 1.C Coastal Storm Drain Monitoring Support					
Annual Report Prep	\$1,482.00	\$2,900.10	(\$1,418.10)	Port	
Annual Report Prep	1,482.00	\$2,990.53	(\$1,508.53)	Carlsbad	
					(\$2,926.63)

**Task 2 Development of
Miscellaneous Work
Products**

Subtask 2.A Semi-annual Workgroup Update	1,185.00	\$0.00	\$1,185.00		\$1,185.00
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Subtask 2B. FY2009-10 Work Plan and Budget	1,778.00	\$1,760.00	\$18.00	County	\$18.00
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Subtask 2.C. FY2007-08 Regional URMP Annual Report	593.00	\$176.00	\$417.00	County	\$417.00
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Subtask 2.D. Revamp Priority Rating System- LTEA					
Weston includes mark up	52,500.00	\$52,480.90	\$19.10	County	\$19.10

Subtask 2.E. FY2010-11 Source Identification Plan					
Weston includes mark up	15,750.00	\$7,875.00	\$7,875.00	County	\$7,875.00

Subask 3.C- Unallocated	Budgeted	Invoiced	Amt Different	Copermit	Balance
xtr toxicity funds					
carry over from 08-09	33,467.00	\$0.00	\$33,467.00	County	\$33,467.00
includes mark up					

Task 3. Regional Monitoring Program

Subtask 3.A Regional Monitoring Program					
Weston	2,123,253.00	\$2,001,456.27	\$121,796.73	County	
	0.00	\$0.00	\$0.00		
SCCWRP- Microbiol	189,823.00	\$55,000.00	\$134,823.00	County	
Consultant mark up 5%	115,653.80	102,822.81	\$12,830.99	County	
Total	\$2,428,729.80	\$2,159,279.08	\$269,450.72		\$269,450.72

Subtask 3.B. Southern California Stormwater Monitoring Coalition					
	35,000.00	0.00	\$35,000.00	County	
Consultant mark up 5%	1,750.00	0.00	\$1,750.00	County	
Total	36,750.00	0.00	\$36,750.00	County	\$36,750.00

Total left w/ paying Coastal RPT		\$366,584.02
Caryovers to 2010-2011		
SCCWRP-Micro	\$141,564.15	
SMC	\$ 36,750.00	
Total carryover	\$178,314.15	
funds available for reissuance or refund		\$188,269.87

D. Monitoring Workgroup Request for Amended 2009-2010 Budget- Sept 2009

Task	Description	Estimated Hours	Hourly Rate	Estimated Cost
Task 1 Meeting Support				
Subtask 1.A. Regional Monitoring Workgroup Meeting Support. Provide ongoing support for Regional Monitoring Workgroup meetings (research and develop written materials, preparing presentations, etc).				
Completion date	As-needed (minimum quarterly)			
Party conducting work	County			
Copermittee hourly costs	Supervising Environmental Health Specialist - County	75	59.27	\$4,445
		0	0	\$0
Contract costs				\$0
Contract management costs				\$0
Other direct costs				\$0
Total				\$4,445
Subtask 1.B. Dry Weather Monitoring Sub-workgroup Meeting Support. Provide ongoing support for Dry Weather Monitoring Sub-workgroup meetings (research and develop written materials, preparing presentations, etc).				
Completion date	As-needed (minimum quarterly)			
Party conducting work	Copermittees (TBD) with consultant support (TBD)			
Copermittee hourly costs	City of Santee (Stormwater Program Mgr)	20	91.55	\$1,831
	City of La Mesa (Stormwater Program Mgr)	5	122.31	\$612
		0	0	\$0
Contract costs				\$15,000
Contract management costs	Dry Weather Workgroup requested having the option to use a contractor to analyze data or provide specific support TBD by Dry Weather Group.			\$750
Other direct costs				\$0
Total				\$18,193
Subtask 1.C. Coastal Storm Drain Monitoring Sub-workgroup Meeting Support. Provide ongoing support for Coastal Storm Drain Monitoring Sub-workgroup meetings (research and develop written materials, preparing presentations, etc).				
Completion date	As-needed (minimum quarterly)			
Party conducting work	Copermittee (TBD)			
Copermittee hourly costs	Supervising Environmental Health Specialist	50	59.27	\$2,964
		0	0	\$0
		0	0	\$0
Contract costs				\$0
Contract management costs				\$0

D. Monitoring Workgroup Request for Amended 2009-2010 Budget- Sept 2009

Task	Description	Estimated Hours	Hourly Rate	Estimated Cost
Other direct costs				\$0
Total				\$2,964
Task 2 Development of Miscellaneous Work Products				
Subtask 2.A. Semi-annual Workgroup Updates. Provide written updates describing the key activities and accomplishments of the Regional Monitoring Workgroup and its sub-workgroups.				
Completion date	August 15, 2009 and February 15, 2010			
Party conducting work	County			
Copermittee hourly costs	Supervising Environmental Health Specialist - County	20	59.27	\$1,185
		0	0	\$0
		0	0	\$0
Contract costs				\$0
Contract management costs				\$0
Other direct costs				\$0
Total				\$1,185
Subtask 2.B. FY 2010-11 Work Plan and Budget. Develop for submittal to the Regional Program Planning Subcommittee a FY 2010-11 work plan and budget covering the planned activities of the Regional Monitoring Workgroup and its sub-workgroups.				
Completion date	November 30, 2009			
Party conducting work	County			
Copermittee hourly costs	Supervising Environmental Health Specialist - County	30	59.27	\$1,778
		0	0	\$0
		0	0	\$0
Contract costs				\$0
Contract management costs				\$0
Other direct costs				\$0
Total				\$1,778
Subtask 2.C. FY 2008-09 Regional URMP Annual Report Input. Provide subject area content as requested for inclusion in the Copermittees' FY 2008-09 Regional URMP Annual Report.				

D. Monitoring Workgroup Request for Amended 2009-2010 Budget- Sept 2009

Task	Description	Estimated Hours	Hourly Rate	Estimated Cost
Completion date	November 30, 2009			
Party conducting work	County			
Copermittee hourly costs	Supervising Environmental Health Specialist - County	10	59.27	\$593
		0	0	\$0
		0	0	\$0
Contract costs				\$0
Contract management costs				\$0
Other direct costs				\$0
Total				\$593
Subtask 2.D. Conceptual Regional Watershed Monitoring Plan. Consultant will develop a Conceptual Regional Watershed Monitoring Plan.				
Completion date	August 1, 2010			
Party conducting work	Consultant (TBD)			
Copermittee hourly costs		0	0	\$0
		0	0	\$0
		0	0	\$0
Contract costs	Consultant contract to be managed by County.			\$50,000
Contract management costs				\$2,500
Other direct costs				\$0
Total				\$52,500
Subtask 2.E. FY 2010-11 Source Identification Work Plan. Consultant will develop a Source Identification Program Project to satisfy Permit requirements for the 2010-2011 monitoring year and will be submitted with the Scope of Work due September 1, 2010.				
Completion date	August 1, 2010			
Party conducting work	Consultant (TBD)			
Copermittee hourly costs		0	0	\$0
		0	0	\$0
		0	0	\$0
Contract costs	Consultant contract to be managed by County.			\$15,000
Contract management costs				\$750
Other direct costs				\$0
Total				\$15,750
Task 3 Regional Monitoring Program				

D. Monitoring Workgroup Request for Amended 2009-2010 Budget- Sept 2009

Task	Description	Estimated Hours	Hourly Rate	Estimated Cost
Task 3.A. Regional Monitoring Program. As directed, develop and implement regional monitoring programs and activities to satisfy the requirements of Receiving Waters and Urban Runoff Monitoring and Reporting Program No. R9-2007-0001 and other regional initiatives.				
Completion date	Ongoing			
Party conducting work	Consultant (Weston Solutions)			
Copermittee hourly costs		0	0	\$0
		0	0	\$0
		0	0	\$0
Contract costs	Consultant contract administered by County (see Contract 514270); Consultant expenses are invoiced and paid approximately monthly.			\$2,123,253
Contract management costs				\$106,163
Other direct costs				\$0
Total				\$2,229,416
Task 3.B. Southern California Stormwater Monitoring Coalition. Partner with other municipalities and the RWQCBs in Southern California to improve our understanding of stormwater.				
Completion date	As-needed			
Party conducting work	Consultants (TBD)			
Copermittee hourly costs		0	0	\$0
		0	0	\$0
		0	0	\$0
Contract costs	Memorandum of Agreement and subsequent research implementation agreements are administered by County; Payments are made approximately annually.			\$35,000
Contract management costs				\$1,750
Other direct costs				\$0
Total				\$36,750
Subtask 3.C. Unallocated. Activities or expenditures necessary to support Working Body MOU and Permit obligations, but not otherwise addressed in other Work Plan tasks. This task may not exceed 5% of the total Working Body budget.				
Completion date	TBD			
Party conducting work	TBD			
Copermittee hourly costs		0	0	\$0
		0	0	\$0
		0	0	\$0
Contract costs				\$0

D. Monitoring Workgroup Request for Amended 2009-2010 Budget- Sept 2009

Task	Description	Estimated Hours	Hourly Rate	Estimated Cost
Contract management costs				\$0
Other direct costs				\$0
Total				\$0

Total Estimated Cost - Approved by Mngmt Comm on 3/19/09	\$2,363,573
Requested Carry-Over from 2008-2009- Unallocated Funds	\$33,467
Carry -Over from 2008-2009 Bight 08 Microbiology Study	\$199,314
Total Amended Budget	\$2,596,354

2009-2010 Annual Report Outline

Executive Summary

Section 1.0 – Introduction

Section 2.0 – Annual Scope of Work

Section 3.0 – Santa Margarita WMA

Section 4.0 – San Luis Rey WMA

Section 5.0 – Carlsbad WMA

Section 6.0 – San Dieguito WMA

Section 7.0 – Los Peñasquitos WMA

Section 8.0 – Mission Bay and La Jolla WMA

Section 9.0 – San Diego River WMA

Section 10.0 – San Diego Bay WMA

Section 11.0 – Tijuana River WMA

Section 12.0 – Regional Section (Pyrethroid Discussion, MS4 Outfall Discussion, Source Identification Discussion, and Regional Highlights)

Section 13.0 – Conclusions and Recommendations

Section 14.0 – References

Appendices

A. Monitoring Methods

B. MLS/TWAS Data Tables

C. Annual and Event Hydrographs

D. Load Tables for MLS/TWAS

E. Trend Analysis and Scatterplots

F. Synthetic Pyrethroid Monitoring Data

G. Bioassessment Monitoring Report and Data Tables

H. Ambient Bay and Lagoon Monitoring Report and Data Tables

I. MS4 Outfall Monitoring Data Tables

J. Source Identification Monitoring Data Tables

K. Regional Dry Weather Monitoring Program Data Tables

L. Trash Assessment Results

M. Coastal Storm Drain Monitoring Report

~~N.~~ Response to Copermittee Review Comments

N.

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