

**REGIONAL MONITORING WORKGROUP – MEETING SUMMARY**

County of San Diego – 5201 Ruffin Road, Ste P, San Diego, CA 92123

Tuesday, March 25, 2008

10:00am – 12:00pm

Attendees:

<b>Name</b>	<b>Organization</b>
Jo Ann Weber	County of San Diego
Ruth Kolb	City of San Diego
David Renfrew	Weston Solutions
Lisa Kay	Weston Solutions
Pat Ryan	City of Poway
Doug Coppi	City of Imperial Beach
Todd Snyder	County of San Diego
John Quenzer	City of National City (D-Max)
Kenneth St. Clair	City of Solana Beach
Alison Witheridge	City of Oceanside
Mayela Padilla	City of Encinitas
James Wood	City of Carlsbad
Stephanie Bauer	Port of San Diego
Blake Behringer	City of El Cajon
Lilian Busse	SDRWQCB
Helen Perry	City of Santee
Rosanna Lacarra	City of Del Mar (PBS&J)
Marisa Fontanoz	City of Chula Vista

**REGIONAL MONITORING ACTIVITIES UPDATE**

Weston provided the group with the following updates:

- The first Ambient sampling event was completed in September, except for San Dieguito and Chollas, which were completed in March
- All wet weather monitoring is done (2 events); they are in the process of QC-ing the analytical data from the February rain event
- Post-storm pyrethroid sediment monitoring was done in December and February
- In mid-May the Bioassessment survey will be completed, along with the final Ambient event at the same time

Cynthia Gorham-Test of the RWQCB, the Region 9 SWAMP program coordinator, has requested data from the 1<sup>st</sup> dry weather and 1<sup>st</sup> wet weather regional monitoring event from the 07-08 monitoring year. She will use the data in a presentation at the Non-Point Source Conference in San Diego in May and relate it to the recent effects of the firestorm on water quality. The County asked the Carlsbad, San Dieguito, and Penasquitos Watersheds for permission to share the data and they all agreed.

**DRY WEATHER MONITORING WORKGROUP**

The DWM workgroup met on February 13<sup>th</sup>. The workgroup discussed the definition of MS4 and receiving water. They also discussed the MS4 Outfall Monitoring program (Dry – Targeted) and came up with a spreadsheet that all jurisdictions must complete before the next meeting on April 9<sup>th</sup>.

JW advised all jurisdictions to review the number of dry-targeted sites they were assigned to be sure that it is consistent with the cost-share formula.

**COASTAL MONITORING WORKGROUP**

The CM workgroup is planning to schedule a meeting in April.

## **WORKGROUP PRIORITIES LIST FROM JANUARY 2007**

The group discussed and reviewed the 17 items on the Regional Monitoring Workgroup Priorities List and made some updates and changes. **A copy of the updated list is attached – both the clean and underline/strikeout versions.**

### **BIGHT 08 UPDATE**

Weston gave a powerpoint presentation update on Bight 08 regarding the coastal ecology portion, specifically, the goals/ questions that the study will address, the study design, and how the core management monitoring questions will be answered through the study. They have prepared a workplan, dated 03/24/08, for this portion of the Bight study.

Weston also provided some background information about Sediment Quality Objectives (SQOs).

JW provided an update on the microbiology portion of Bight 08 regarding bacteria sources and the general timeline for the microbiology study.

**Please see attached presentations.**

### **MS4 OUTFALL AND RECEIVING WATER DEFINITIONS**

The dry weather monitoring group was tasked to come up with definitions for MS4 and receiving water and came up with the following two definitions:

1. Receiving waters are defined as the blue lines designated on USGS Maps
2. An MS4 is anything that is cleaned or maintained

JW provided the definition of MS4 as stated in the Municipal Permit. HP mentioned that the County had some difficulty in their definition of MS4/ receiving water and they will address this issue separately.

### **REGIONAL BOARD UPDATE**

LB from the SDRWQCB provided an update on the sediment contamination and eutrophication study (trade-off for ABLM). She has prepared a consent item that requests funding from the Clean up and Abatement Account, which will be reviewed at the April 9<sup>th</sup> Regional Board meeting. The study is looking at algae and phytoplankton as indicators and their connection to dissolved oxygen and nutrient levels in lagoons. The study design is not yet finalized. There will be a data comparison of San Diego lagoons with Los Angeles lagoons, which were sampled last year. There will be some follow-up sampling done in Los Angeles lagoons.

### **WESTON CONTRACT UPDATE**

JW provided a brief update on Weston's contract – she is in the process of updating the timeline for the contract and will present more information to the Copermittees at an upcoming closed meeting.

### **OTHER ISSUES**

A small sub-committee was formed to focus on a more user-friendly report format for watersheds. The group will propose a new table of contents with the idea that sections similar in each monitoring year, such as methods, could be included in the Appendices rather than the body of the report. If you are interested in participating please contact Ruth Kolb of the City of San Diego.

### **FUTURE MEETINGS**

The next CLOSED Regional Monitoring Workgroup meeting is scheduled for **Tuesday, April 29 from 10am to 12pm** at the County of San Diego at 5201 Ruffin Road, Suite P San Diego, CA 92123.

Upcoming meetings are as follows:

Tuesday, May 20, 10am-12pm

Tuesday, June 24, 10am-12pm

Regional Monitoring Workgroup Priorities in February 2007; 2008 Update and Request for Copermittees Input at Regional Monitoring Workgroup Meeting on March 25, 2008 and the results of Copermittees Input.

	Priority Level	Issue	Comment
1	Tertiary	<p>Assess locations of the Temporary Watershed Assessment Stations (TWAS). Driver: Due in Sept 1, 2007 report to RWQCB.</p> <p><u>2008 Update</u> -Completed- We will revisit the locations for the last 2 years of the Permit. March 25, 2008 update – Copermittees concurred with this recommendation.</p>	<p>Each watershed should review the location of the TWAS to make sure that it will suit the watershed needs. Need to utilize the TWAS selection criteria when reviewing: land use change or major tributary; How does this fit into the entire program and does it provide useful information to WURMPs?</p>
2	Primary	<p>How to integrate the Regional Monitoring with the WURMPs/Watersheds needs? Ongoing – no due date</p> <p><u>2008 Update</u> – Todd Snyder of the County of San Diego, Coordinator for the WURMPs Workgroup will be a liaison. – March 25, 2008: Copermittees concurred that this was a primary issue and a challenge to be met this Permit cycle. Having Todd as a liaison has increased communication and the flow of ideas. Thanks Todd.</p>	<p>This is an overarching question in terms of structure and communication with the WURMPs/Watersheds. Do we have joint meetings periodically- do we focus on certain watersheds at some meetings? All ideas welcomed.</p>
3	Secondary	<p>Watershed Water Quality Priority Ratings: July 1, 2007 to have changes in next Annual Report due Jan 2008 or July 1, 2008 to have changes implemented under New Permit Reporting.</p> <ul style="list-style-type: none"> <li>• Determine which system should be used: <ul style="list-style-type: none"> <li>○ Baseline Long Term Effectiveness Assessment (BLTEA)</li> <li>○ Watershed Data Assessment Framework (June 2004)</li> <li>○ A combination of the two or some other</li> </ul> </li> </ul>	<p>Need to discuss these options and give input as to whether we would like to see these changes in the FY06-07 Regional Monitoring report or the FY07-08 Regional Monitoring Report</p> <p>Action Item: Weston will present BLTEA rating system and contract it to the Water Quality Framework System. TBS once prioritized at the Feb 27<sup>th</sup> meeting.</p>

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	Priority Level	Issue	Comment
		<p>method?</p> <ul style="list-style-type: none"> <li>Determine timeframe for changing watershed COC priorities (i.e. annual, every 5 years, etc.)</li> </ul> <p><u>2008 Update</u> – Weston presentation is on projectcleanwater.org. WURMPs Workgroup decided LTEA every 5 years and keep the same watershed priorities for the entire Permit cycle. The watershed data assessment framework will be used annually to provide the annual evaluation required by the Permit. March 25, 2008: Copermittees decided that this is an important issue, but will be revisited in February 2009, as the group already has too much to do this year with the development of new programs.</p>	
4	Primary	<p>How to integrate TMDL and 3<sup>rd</sup> party data – how do these get incorporated into the prioritization?</p> <p><u>2008 Update</u> – This is a work in progress. Currently there is about \$10,000 in the budget for Regional Contractor to consider 3<sup>Rd</sup> party data. Looking for Copermittees guidance on how to proceed in light of Bight 08, and that we will have less data in most watersheds to present in our 2009-2010 Report. We will budget for this report in fall 2008. March 25, 2008 Update: Copermittees reached consensus that this is a primary</p>	<p>From a procedural point, the Reg Mon Group will request watersheds to provide 3<sup>rd</sup> party data for their consideration to include in the Annual report in May and have a cut off date of August 1 for receipt of the data. The bigger question is how much of the TMDL info will be integrated over time in the regional report. Currently, it has not been assessed.</p>

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	Priority Level	Issue	Comment
		issue. Copermittees wanted to consider allocating costs by watershed for additional review and incorporation of studies. The County will research if this can be done on the Regional contract. It is likely that a separate MOA would be required by watershed. This issue will be revisited during the preparation of the budget for 2009-2010.	
5	Primary	<p>Bight 2008 planning- Begins Summer 2008</p> <p><u>2008 Update</u> – Thanks to help from the Copermittees, we are moving forward. We will continue to keep you updated. March 25, 2008: Copermittees concurred that this continues to be a primary issue for this year.</p>	The actual planning begins in Summer 2008. How do we plan to interface- Should we have a subcomm? Jo Ann Weber will need at several alternates to attend Bight meetings to make sure we are represented during the planning process. This is planned during monitoring year 2008-2009 (Year 2 of the Permit). This will also impact the data available for WURMPs.
6	Tertiary- Revisit during permit reissuance	<p>303(d) listed analytes- should we be sampling for all 303(d) analytes? The standard analyte list is Table 2 of the new Permit.</p> <p><u>2008 Update</u> – We did not change Table 2 of the Permit and not all 303(d)-listed analytes are included in the Regional Monitoring Program. March 25, 2008: Copermittees concurred that this is no longer an issue for this Permit cycle. Revisit this issue during permit reissuance.</p>	
7		Completed -deleted	
8		Completed - deleted	
9	Monitor	Data Management	At a minimum transfer

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		<ul style="list-style-type: none"> <li>• Data transfer protocols</li> <li>• Develop a needs assessment</li> </ul> <p><u>2008 Update:</u> at the State level- CEDEN.org is under development; we have provided our data. Data will be available to public and will be used for future 303d listings. March 25, 2008: Copermittees concurred that this issue should continue to be monitored with the hope that ceden.org provides the appropriate database for all data.</p>	<p>protocols that are SWAMP compatible will be needed over the next Permit cycle. This is even more critical as various TMDL efforts begin to generate data. A larger issue is developing or tagging onto Regional databases – lots of talk at the State level, It appears that it may happen, despite funding difficulties.</p>
10	Primary	<p>Regional Monitoring Report Outline</p> <ul style="list-style-type: none"> <li>• Review Table of Contents and update-</li> <li>• Due by July 1, 2008</li> </ul> <p><u>2008 Update</u> – A subgroup spearheaded by the San Diego Bay Group are tackling this task and will provide a draft by June 1, 2008 for review by the Regional Monitoring Workgroup. March 25, 2008: Group concurred that preparation of an updated TOC is required by Permit.</p>	<p>Under new Permit- additional reporting- have the opportunity to modify the current TOC. Recommend beginning this no later than Feb 2008.</p>
11	Secondary	<p>Establish/determine the linkage between TMDLs and their associated data needs and products and the regional monitoring program and its data needs and products. Search for ways the programs can be coordinated to be more efficient.</p> <p><u>2008 Update</u> – Ongoing issue. March 25, 2008: Group concurred that this will be a challenge in this</p>	<p>Overarching question on how we do business in light of TMDLs.</p>

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		and future Permit cycles. Revisit in February 2009.	
12	Primary	<p>Permit Compliance – monitoring program for how the MS4 outfall monitoring and Source ID monitoring will be conducted is due on July 1, 2008.</p> <p>Some portion of the MS4 Outfall program will need to be implemented by October 1, 2008. Both programs will be fully implemented in 2008-2009 monitoring year, which is Oct 2008 through Sept 2009.</p> <p>In light of the updated Dry Weather Programs being due as part of the JURMP in Jan. 2008 and for manpower/budgeting purposes knowing the cost of these programs in Fall 2007 will help with projecting budgets for fiscal 2008, The County of San Diego will propose on Feb 27<sup>th</sup> to increase the priority of this item and have a framework of the program developed by Fall 2008.</p> <p><u>2008 Update:</u> Conceptual framework completed in Sept 2007. Detailed work plan in progress. The Dry Weather Workgroup and the County will request info from Copermittees to finalize sample locations. Goal is to have a detailed draft by June 1, 2008 for review. March 25, 2008: Copermittees concurred that this item is the highest priority due to</p>	<p>Copermittees should be aware of these emerging programs. It is assumed at this time that watersheds/jurisdictions will collect and pay for analysis of these samples. Watersheds will be involved in design and selection of sample points. Each watershed is required to have a program. Ken Schiff of SCCWRP has agreed to facilitate a session on the goals, what questions we are trying to answer and possible designs of these programs. Will be scheduled based on Feb 27<sup>th</sup>, 2007 meeting results.</p>

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		the regulatory due date of July 1, 2008.	
13		Copermittees agreed to delete this item as it is covered by Items 2 and 10.	
14	Tertiary	County of San Diego Added this one after meeting: Status of ABLM Program – Assessment of Program included in the Regional Monitoring Report submitted on Jan 31, 2007. Due date: June 1, 2007 <u>2008 Update</u> – Copermittees continue to work with RWQCB on the ABLM Program. March 25, 2008: Copermittees concurred that this issue will need to be revisited in February 2009 to prepare for the 2009-2010 monitoring year.	County of San Diego will request RWQCB to review this prior to summer 2007. This was done.
15		The dry weather group did not update the action levels due to time constraints. The group concurred that this item can be removed from the list.	
16	Primary during budget process for 2009-2010	Recommend to be added in 2008 – More consistency between Permits across CA is being required by RWQCBs. The purposes are to increase consistency between Permits and allow comparable data evaluations across Permits. Additionally, consistency in Permits reduces Permit reissuance costs for RWQCB and Copermittees. As a result of this, The Southern California Monitoring Coalition is increasingly being used as a forum to regionalize and update programs to be inserted into Permits. An	To have input, we need to have representatives at the table during development of the programs. Consider increasing funding in 2009-2010 so that we can have representatives at the table. These meetings are always outside of the County. The technical committees can meet monthly and require technical expertise. Ideally, it would be best to have a technical representative and a Copermittees representative.

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		example is the Regional Bioassessment Program that will be included in our Monitoring Program in the upcoming year. March 25, 2008: Copermittees concurred that additional funding for SMC may need to be considered so that we and technical experts are at the table during the development of regional programs that will become part of our Permit.	
17	Primary	Recommend to be added in 2008 - This issue was discussed in Fall 2007, but due to Permit reissuance issues taking priority, not acted on. The water quality benchmarks used in the Regional Monitoring Report (Table 4 in each watershed section) may need to be updated. Consider splitting ambient and Stormwater benchmarks into separate tables. Seek Copermittees guidance. March 25, 2008: Copermittees concurred that updating the benchmarks was important. Weston will provide a draft for Copermittees review and comment.	

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3	Primary <del>Secondary</del>	<p>Watershed Water Quality Priority Ratings: July 1, 2007 to have changes in next Annual Report due Jan 2008 or July 1, 2008 to have changes implemented under New Permit Reporting.</p> <ul style="list-style-type: none"> <li>• Determine which system should be used: <ul style="list-style-type: none"> <li>○ Baseline Long Term Effectiveness Assessment (BLTEA)</li> <li>○ Watershed Data</li> </ul> </li> </ul>	<p>Need to discuss these options and give input as to whether we would like to see these changes in the FY06-07 Regional Monitoring report or the FY07-08 Regional Monitoring Report</p> <p>Action Item: Weston will present BLTEA rating system and contract it to the Water Quality Framework System. TBS</p>

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		<p>Assessment Framework (June 2004)</p> <ul style="list-style-type: none"> <li>○ A combination of the two or some other method?</li> <li>● Determine timeframe for changing watershed COC priorities (i.e. annual, every 5 years, etc.)</li> </ul> <p><u>2008 Update</u> – Weston presentation is on <a href="http://projectcleanwater.org">projectcleanwater.org</a>. WURMPs Workgroup decided LTEA every 5 years and keep the same watershed priorities for the entire Permit cycle. The watershed data assessment framework will be used annually to provide the annual evaluation required by the Permit. <u>Copermittees decided that this is an important issue, but will be revisited in February 2009, as the group already has too much to do this year with the development of new programs.</u></p>	once prioritized at the Feb 27 <sup>th</sup> meeting.
4	<u>Secondary</u> <u>Primary</u>	<p>How to integrate TMDL and 3<sup>rd</sup> party data – how do these get incorporated into the prioritization?</p> <p><u>2008 Update</u> – This is a work in progress. Currently there is about \$10,000 in the budget for Regional Contractor to consider 3<sup>Rd</sup> party data. Looking for Copermittees guidance on how</p>	From a procedural point, the Reg Mon Group will request watersheds to provide 3 <sup>rd</sup> party data for their consideration to include in the Annual report in May and have a cut off date of August 1 for receipt of the data. The bigger question is how much of the TMDL

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		to proceed in light of Bight 08, and that we will have less data in most watersheds to present in our 2009-2010 Report. We will budget for this report in fall 2008. <u>Copermittees reached consensus that this is a primary issue. Copermittees wanted to consider allocating costs by watershed for additional review and incorporation of studies. The County will research if this can be done on the Regional contract. It is likely that a separate MOA would be required by watershed. This issue will be revisited during the preparation of the budget for 2009-2010.</u>	info will be integrated over time in the regional report. Currently, it has not been assessed.
5	<u>Secondary</u> <del>Primary</del>	Bight 2008 planning- Begins Summer 2008  <u>2008 Update</u> – Thanks to help from the Copermittees, we are moving forward. We will continue to keep you updated. <u>Copermittees concurred that this continues to be a primary issue for this year.</u>	The actual planning begins in Summer 2008. How do we plan to interface- Should we have a subcomm? Jo Ann Weber will need at several alternates to attend Bight meetings to make sure we are represented during the planning process. This is planned during monitoring year 2008-2009 (Year 2 of the Permit). This will also impact the data available for WURMPs.
6	<u>Tertiary</u> <del>Secondary-</del> <u>Revisit during permit reissuance</u>	303(d) listed analytes- should we be sampling for all 303(d) analytes? The standard analyte list is Table 2 of the new Permit.  <u>2008 Update</u> – We did not	

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		change Table 2 of the Permit and not all 303(d)-listed analytes are included in the Regional Monitoring Program. <u>Copermttees concurred that this is no longer an issue for this Permit cycle. Revisit this issue during permit resissuance.</u>	
7	Secondary	<del>Event Mean Concentrations (EMC) Loads—need to have some education on this. Weston will likely give a presentation</del>  <del>2008 Update—Weston did a presentation in June 2007. Go to <a href="http://projectcleanwater.org">projectcleanwater.org</a> to download a Powerpoint.</del>	<del>This method will be used to compare dry and wet weather loads. Weston will be scheduled to give presentation—TBD after Feb 27<sup>th</sup> meeting.</del>
8	Primary	Consistent terminology Due date for upcoming annual report is July 2007  <u>2008 Update—Request update from WURMPs</u>	<del>Need to discuss terminology for WURMP Annual Reports. Do we want to develop a standardized list of terms and corresponding definitions? Should we use high, medium, and low priority COCs or use high priority COCs and COCs? What term should we use for conditions that are not constituents such as “eutrophic” or “sediment toxicity”?</del>
9	<u>Secondary</u> Monitor	Data Management <ul style="list-style-type: none"> <li>• Data transfer protocols</li> <li>• Develop a needs assessment</li> </ul> <u>2008 Update:</u> at the State level-CE DEN.org is under	At a minimum transfer protocols that are SWAMP compatible will be needed over the next Permit cycle. This is even more critical as various TMDL efforts begin to generate data. A

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		development; we have provided our data. Data will be available to public and will be used for future 303d listings. <u>Copermittees concurred that this issue should continue to be monitored with the hope that ceden.org provides the appropriate database for all data.</u>	larger issue is developing or tagging onto Regional databases – lots of talk at the State level, but generally they do not have the funding to make it happen.
10	<del>Primary</del> <del>Tertiary</del> <del>due to timing</del>	Regional Monitoring Report Outline <ul style="list-style-type: none"> <li>• Review Table of Contents and update-</li> <li>• Due by July 1, 2008</li> </ul> <u>2008 Update</u> – A subgroup spearheaded by the San Diego Bay Group are tackling this task and will provide a draft by June 1, 2008 for review by the Regional Monitoring Workgroup. <u>Group concurred that preparation of an updated TOC is required by Permit.</u>	Under new Permit-additional reporting- have the opportunity to modify the current TOC. Recommend beginning this no later than Feb 2008.
11	Secondary	Establish/determine the linkage between TMDLs and their associated data needs and products and the regional monitoring program and its data needs and products. Search for ways the programs can be coordinated to be more efficient.  <u>2008 Update</u> – Ongoing issue. <u>Group concurred that this will be a challenge in this and future Permit cycles. Revisit in February 2009.</u> <del>Permit</del>	Overarching question on how we do business in light of TMDLs.
12a	Primary	<del>Permit Compliance</del> –	<del>A draft is needed by June</del>

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		<p><del>monitoring report for how trash and pyrethroid monitoring will be conducted is due on July 1, 2007. Draft Due for Copermittees Review on June 1 2007</del></p> <p><del>Programs to be implemented beginning Sept/Oct 2007.</del></p> <p><del>Trash was assigned to the Dry Weather Monitoring Workgroup Chollas and Forester Cr, examples provided DWM will report back to Reg Mon Gp on Apr 24 with a program proposal.</del></p> <p><del>Pyrethroids TBD. Likely Weston will be requested to provide options or we propose what we have budgeted for the 2007-2008 monitoring year.</del></p> <p><del>2008 Update—Trash and Pyrethroids Monitoring Programs submitted on time and are being implemented.</del></p>	<p><del>1, 2007. The Watershed Copermittees should be aware of how this monitoring will be conducted and any implications this may have on the watersheds. Trash will be threaded into jurisdictional dry weather program and the regional mass loading stations. It is anticipated to be a qualitative program.</del></p>
12b	<del>Primary</del> Tertiary (due to timing)	<p>Permit Compliance – monitoring program for how the MS4 outfall monitoring and Source ID monitoring will be conducted is due on July 1, 2008.</p> <p>Some portion of the MS4 Outfall program will need to be implemented by October 1, 2008.</p> <p>Both programs will be fully implemented in 2008-2009 monitoring year, which is Oct</p>	<p>Copermittees should be aware of these emerging programs. It is assumed at this time that watersheds/jurisdictions will collect and pay for analysis of these samples. Watersheds will be involved in design and selection of sample points. Each watershed is required to have a program. Ken Schiff of SCCWRP has agreed to facilitate a</p>

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		<p>2008 through Sept 2009.</p> <p>In light of the updated Dry Weather Programs being due as part of the JURMP in Jan. 2008 and for manpower/budgeting purposes knowing the cost of these programs in Fall 2007 will help with projecting budgets for fiscal 2008, The County of San Diego will propose on Feb 27<sup>th</sup> to increase the priority of this item and have a framework of the program developed by Fall 2008.</p> <p><u>2008 Update:</u> Conceptual framework completed in Sept 2007. Detailed work plan in progress. The Dry Weather Workgroup and the County will request info from Copermittees to finalize sample locations. Goal is to have a detailed draft by June 1, 2008 for review.</p> <p><u>Copermittees concurred that this item is the highest priority due to the regulatory due date of July 1, 2008.</u></p>	<p>session on the goals, what questions we are trying to answer and possible designs of these programs. Will be scheduled based on Feb 27<sup>th</sup> meeting results.</p>
13	Primary	<p><del>Copermittes agreed to delete this item as it is covered by Items 2 and 10. Determine if/how the regional monitoring report can be changed to provide more of a watershed emphasis.</del></p> <p><del>This is to address the report due on Jan 31, 2008; this report will be under Order No. 2001-01,</del></p>	<p><del>Discuss what can be modified, deleted, or added to the watershed sections of the Regional Monitoring Report to make it more helpful for the WURMP workgroups.</del></p>

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	Priority Level	Issue	Comment
		<p><del>but some resources can be shifted to increase the usefulness of the watershed sections. Due date: June 1, 2007</del></p> <p><del>2008 Update—Ongoing issue. Having Todd Snyder as liaison facilitates communication.</del></p>	
14	<del>Tertiary</del> <u>Secondary</u>	<p>County of San Diego Added this one after meeting: Status of ABLM Program – Assessment of Program included in the Regional Monitoring Report submitted on Jan 31, 2007. Due date: June 1, 2007</p> <p><u>2008 Update – Copermittees continue to work with RWQCB on the ABLM Program.</u></p> <p><u>Copermittees concurred that this issue will need to be revisited in February 2009 to prepare for the 2009-2010 monitoring year.</u></p>	County of San Diego will request RWQCB to review this prior to summer 2007.
15	<u>Secondary</u>	<p><del>County of San Diego Added this one after meeting: Dry Weather Program—Is there a need to revisit the basic guidance and model programs developed in the past? Dry Weather programs due JURMP (due in Jan 2008). The dry weather group did not update the action levels due to time constraints. The group concurred that this item can be removed from the list.</del></p>	<u>Assign to Dry Weather Monitoring Workgroup</u>
16	<u>Primary during budget process for 2009-2010</u>	Recommend to be added in 2008 – More consistency between Permits across CA is	To have input, we need to have representatives at the table during development

Regional Monitoring Workgroup Priorities in February 2007; 2008 Update and Request for Copermittees Input at Regional Monitoring Workgroup Meeting on March 25, 2008 and the results of Copermittees Input.

	Priority Level	Issue	Comment
		<p>being required by RWQCBs. The purposes are to increase consistency between Permits and allow comparable data evaluations across Permits. Additionally, consistency in Permits reduces Permit reissuance costs for RWQCB and Copermittees. As a result of this, The Southern California Monitoring Coalition is increasingly being used as a forum to regionalize and update programs to be inserted into Permits. An example is the Regional Bioassessment Program that will be included in our Monitoring Program in the upcoming year.</p> <p><u>Copermittees concurred that additional funding for SMC may need to be considered so that we and technical experts are at the table during the development of regional programs that will become part of our Permit.</u></p>	<p>of the programs. Consider increasing funding in 2009-2010 so that we can have representatives at the table. These meeting are always outside of the County. The technical committees can meet monthly and requires technical expertise. Ideally, it would be best to have a technical representative and a Copermittees representative.</p>
17	<u>Primary</u>	<p>Recommend to be added in 2008 - This issue was discussed in Fall 2007, but due to Permit reissuance issues taking priority, not acted on. The water quality benchmarks used in the Regional Monitoring Report (Table 4 in each watershed section) may need to be updated. Consider splitting ambient and Stormwater benchmarks into separate tables. Seek Copermittees guidance. <u>Copermittees</u></p>	

Regional Monitoring Workgroup Priorities in February 2007; 2008 Update and Request for Copermittees Input at Regional Monitoring Workgroup Meeting on March 25, 2008 and the results of Copermittees Input.

	Priority Level	Issue	Comment
		<u>concluded that updating the benchmarks was important. Weston will provide a draft for Copermittees review and comment.</u>	

## Bight 08 Program Update – Coastal Ecology Contribution

### Items Covered

- Status of Bight 08 Coastal Ecology Design
  - How Copermittees Bight Participation in Coastal Ecology Fits into Bight 08 Coastal Ecology Design
- Specific Copermittees Bight 08 Coastal Ecology Questions – relative to Bight questions

### CE Core Monitoring Questions

- **What is the spatial extent of impacts in the Bight?**
- **What are the trends in sediment condition?**
- **Are the fish safe to eat?**
- **What is the mass of contaminants in the SCB? (DDT)**

### Copermittees Permit Questions

1. *Are conditions in receiving waters protective, or likely to be protective, of beneficial uses?*
2. *What is the extent and magnitude of the current or potential receiving water problems?*
3. *What is the relative urban runoff contribution to the receiving water problem(s)?*
4. *What are the sources of urban runoff that contribute to receiving water problem(s)?*
5. *Are conditions in receiving waters getting better or worse?*

### CE B08 Spatial Extent Question

- **Identified design elements**
  - Sampling Frame (in progress)
  - Indicators
- **Identification of special studies associated with this question**

### Strata

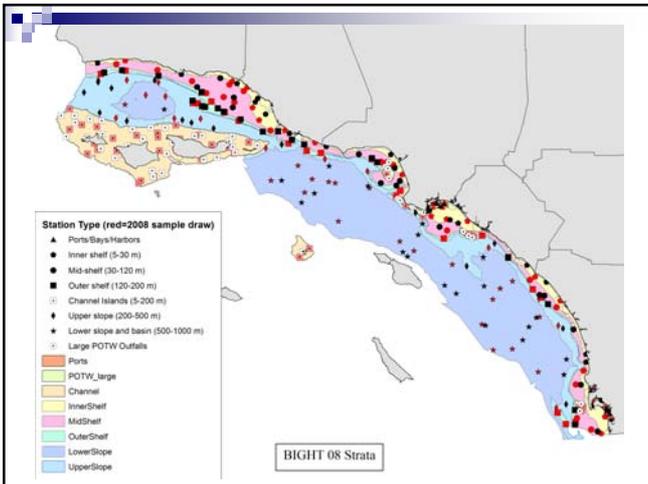
Shelf	Marinas
-Shallow (5-30m)	Ports
- Mid (20-120m)	Bays
- Deep (120-200m)	- San Diego enhancement
Upper Slope (200-500m)	<b>Estuaries</b>
Lower slope and basin (500-1000m)	- <b>San Diego enhancement</b>
Island Shelf (30-120m)	

## Constituents/Indicators

- Sediment Chemistry
  - Inorganic (trace metals, Al, Fe)
  - Organic (PAHs, DDTs+DDMU, Chlordanes, PCBs)
  - TOC/TN, Grain size
  - Pyrethroids
  - Nutrients- Total N, TOC, Total P
  - PBDE
- Toxicity (*Eohaustorius* and *Mytilus* to correspond with SQOs)
- Sediment TIEs – Using an adaptive trigger to implement
- Benthic Macrofauna Community
- Trawl Community (fish, inverts, marine debris)

## Trend Question Design

- Previous trend assessments were hampered
  - design was optimized for spatial extent
- Partially repeated probabilistic design improves power for trend detection without sacrificing spatial extent or increasing effort
  - Rotating panel revisits ¼ sites from B'98, ¼ sites from B'03, and ½ new sites
- Strata
  - Offshore: Mainland Shelf (inner, mid, outer)
  - Embayments: ports, estuaries/lagoons, and marinas



## San Diego Copermittees Bight 08 Estuaries



## Batiquitos Lagoon Gradient



## Approved Special Studies

- AVS-SEM in embayment samples
  - Copper development association
- Endocrine Disruption in Flatfish
  - CSULB and SCCWRP extension of existing study to assess regional reference condition
- Pharmaceuticals in Coastal Sediments
  - USGS cooperative study
- Sediment Profile Camera
  - US EPA cooperative study

## Wetland Eutrophication

- Status of eutrophication in So Cal estuaries unknown
- Numeric nutrient criteria for estuaries is coming
- Goal is to link nutrients, primary producers, and management endpoints
  - Dissolved oxygen

## Wetland Eutrophication Implementation

- Percent of estuaries
  - Multiple wetland classes
- Focus on growing season
  - Summer
- Intensive water column measurements
  - Data sondes for continuous DO, pH, temp
- Primary producer assessment
  - Species, % cover, biomass

## Technical Committees Have Started

- Field Methods
- Chemistry
- Toxicity
- Wetlands
- Benthic Macrofauna
- Information Management

## Committees Working Toward Timeline...

- ✓ Meetings initiated
- Field Manual completed by end of May
  - Sample draw assignments
- Field training completed by end of May
- Intercalibrations completed by end of June
- Lab Manual, IM Plan, QA Plan completed by June
- Sampling July 1- Sept 30

## Next Steps?

- Finalize sample draw
- Review draft workplan(s)

## CE Core Monitoring Questions

- **What is the spatial extent of impacts in the Bight?**
- **What are the trends in sediment condition?**
- **Are the fish safe to eat?**
- **What is the mass of contaminants in the SCB?**

### Specific Copermittees Coastal Ecology Questions Relative to B08 Questions

- Is there a relationship between freshwater influences and distributions of constituents in estuaries? This is answered by the gradient design.
- What is the spatial extent of impacts in the estuaries in San Diego? And relative to the rest of the Bight? And distribution within the estuary?

### Specific Copermittees Coastal Ecology Questions Relative to B08 Questions

- What are the trends in sediment conditions in San Diego (5 year timeframe)?

### Sediment Toxicity Identification Evaluations (TIEs)

- Are a part of Bight 08 Coastal Ecology Study (Will be performed throughout the region.)
- Contribute to the method development of sediment TIEs.
- Identify causes of toxicity.

### Sediment Quality Objectives (SQOs)

- New regulatory standard for evaluating sediments in estuaries and embayments.
- Approved Feb 19, 2008.
- Uses a weight of evidence approach to evaluate sediments
  - Chemistry
  - Toxicity
  - Benthic community
- Is used to identify estuaries and embayments as "impaired".

### B08 Goals

- One of the goals of B08 is to evaluate data using SQOs to identify the extent of the Bight that is "impaired".
  - i.e.: 45% of the Bight Estuaries are impaired.
- All the estuaries will be compared to SQOs in Bight program.

### Implications of the new SQOs...

- State Water Board approved the SQOs and as a consequence all estuary data shall be evaluated using SQOs.
- Any data turned into the RWQCB will be compared to these objectives.

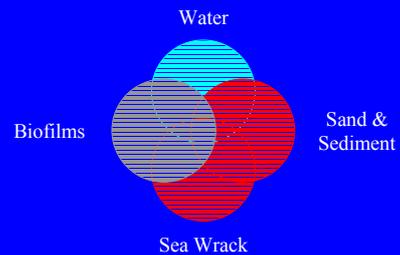
## Bight '08 Microbiology

## Study Questions

1. What percentage of samples at sites that regularly exceed WQ standards for enterococci have a human contribution?
2. What percentage of the non-human contribution of enterococci is from environmental sources?

## So Where Are the Bacteria Coming From?

## Sources of bacteria at the beach



## Level of commitment

- **Method Development**
  - Sand and Sediment
    - April 29 - May1, 2008

SCCWRP  
UCLA  
Miami

OCSD  
Stanford  
USGS

## Time Line

- **Summer/Fall 2008**
  - Method development for biofilm and sea wrack
  - Send the methods to all labs
  - Intercalibration exercise
- **2009 begin the Bight-wide assessment**

## When to Sample

- One full year-2009
  - Wet weather event(s)
  - AB 411 Period (April 1-October 31)

## Where to Sample

- 303(d) listed sites
- Monitoring stations selected from historical data that exhibit exceedence of enterococci standards  $\geq 15\%$  of the time between 2004-2007

## How—*Enterococcus sp.*

- ENT isolates will be identified to species using biochemical methods
- A subset of labs will examine the isolates using molecular techniques
  - ESP gene
  - PFGE

## How—Human marker

- Another subset of labs may get involved with looking for a different human marker
  - Human *Bacteroides*

## Questions

**Regional Monitoring Workgroup Meeting      March 25, 2008**

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