

San Gabriel River Regional Monitoring Program
Technical Stakeholder Group Meeting
February 9th, 2015

Attendees:

Sharon Bishop, LACSD
Phil Markle, LACSD
Lysa Gaboudian, LACSD
Emiko Innes, LACDPW
Michael Lyons, LARWQCB
Stuart Goong, OCPW
Joe Purohit, EcoLayers
Scott Johnson, Aquatic Bioassay
Karin Patrick, Aquatic Bioassay

1. Action Items from November 2015 meeting.
 - a. 2012 Report will be emailed to Technical Stakeholder Group (TSG) in two.
 - b. 2013 Report– Scott is finishing the final edits and the draft report will be emailed to the group for review by March 9th, 2015.
 - c. 2014 Report – Draft tables and figures will be presented to the TSG during the May meeting.
 - d. SD Web Portal – Karin talked with Lilian Busse regarding the SD web portal. Their web portal was not currently active. Lilian thought SWAMP/CEDEN would be compiling and posting data, however it is difficult to get data from SWAMP/CEDEN and they do not have map interface to display monitoring results to the public.
 - e. Program Document – Revised document sent out to the TSG for review on February 3rd, 2015.
 - f. 2015 QAPP – Draft QAPP due to TSG on March 30th, 2015
 - g. CEC Priority List – Karin contacted the State Board in late November, 2014. At that time the expert panel was still meeting and the priority CEC list had not been finalized.
 - i. Expert panel has met and finalized their priority CEC list. Phil Markle has this information.
 - h. Question 3 Additional Data – The group wanted to look at adding additional data to Question 3. OCPW was contacted to see where they may have mass emission, MS4 and TMDL stations. This will be presented at a future TSG meeting. LADPW is finalizing their MS4 CIMP and we will get information regarding their monitoring locations once this is approved. LADPW may not want their data added to Chapter 3.
2. Program Update
 - a. Data Status
 - i. Freshwater Bioassessment Sites
 1. Toxicity – Data has been submitted to the SMC and it is ready for analysis.

2. Fresh water chemistry – Data has been submitted to the SMC with the exception of OCPW. OCPW will have their data submitted by February 13, 2015.
 3. BMI Results – Samples are at ABL for QC. Once ABL QC is complete data will be submitted to the SMC and will be ready for analysis.
 4. CRAM – Data is submitted to the SMC and ready for analysis.
 - ii. High Value CRAM Sites – Data is submitted to the SMC and ready for analysis.
 - iii. Bioaccumulation – Samples collected on January 19th, 2015. Data should be received from IIRMES by March 15, 2015.
 - iv. Estuary
 1. Chemistry - Data has been submitted to the SMC and it is ready for analysis.
 2. Toxicity - Data has been submitted to the SMC and it is ready for analysis.
 3. Infauna – Samples are in the process of being sorted and identified.
3. Web Portal
- a. SGRRMP domain name secured (www.sgrrmp.org)
 - b. \$4500 currently authorized for site maintenance & hosting
 - i. Joe has been able to do site maintenance
 1. Portal is 80 to 90 % working, however there are a few issues left.
 2. Ready to start the next phase of the Web Portal updates and redesign.
 - c. TSG has approved \$5,500, as a special study, for Web Portal improvements including:
 - i. Data update: newest data currently 2009
 - ii. Application updates (ongoing)
 - iii. Site update: Home page, post documents, recurring costs
 - iv. Ad hoc maintenance (\$\$)
 - d. TSG to discuss site functionality improvements at the next meeting.
4. Program Document Revision Plan- Question 1
- a. SMC Program Redesign (2015-2019)
 - i. Modified Constituents
 1. Continue core constituents
 - a. Bugs, Algae, CRAM, PHab, Nutrients, Cl, SO4, TDS, TSS
 2. Drop low-priority stressors.
 - a. Metals, toxicity, Pyrethroids
 3. Add new analytes of interest
 - a. Hydromodification screening, channel engineering assessments, vertebrates, hydrologic regimes, bioanalytic screens, CECs
 4. Random Sites/Revisit Sites
 - a. Revisit ~30% of probabilistic sites every year (2 sites in SGR watershed, same 2 sites every year)
 - i. Allows us to:
 1. Classify sites as improving/degrading/stable

2. Extrapolate to the region as a whole
 3. Associate stressors, conditions with changes in condition
 - ii. Sampling new revisit sites vs. sampling the same sites annually
 1. If we sample a few sites multiple times we would have confidence about how the sites changed over time, but not the watershed as a whole
 2. If we re-sample previously visited sites annually we would improve our ability to detect how the watershed changes over time
 - iii. Revisit sites are selected by sample date (earliest sample dates are first on the list), and they should not be chosen as that would introduce bias.
 - b. Random Sites (4 sites in SGR Watershed)
 - i. Now includes non-perennial streams
 - ii. Stations are not stratified, sites would be chosen in list order.
 5. SMC/SGRRMP Parameter Comparison
 - a. The following parameters are required by the SGRRMP program, but not the SMC
 - i. DOC, TOC, Silica, Total & Dissolved Metals, and Pyrethroid Pesticides
 - b. The following parameters are required by the SMC program, but not the SGRRMP
 - i. Turbidity, Invasive Vertebrate Checklist, Hydromodification, Channel Engineering, Hydrologic State/Water Loggers
- b. Decisions by SGRRMP TSG
 - i. Site Locations
 1. 2 Random Sites
 2. 4 Revisit Sites in 2015
 - a. The TSG will decide if we will revisit the first 2 sites every year for 5 years (like the SMC program) at the next meeting.
 3. 2 Post Fire Sites
 - ii. Chemistry
 1. Continue to analyze DOC, TOC, Total & Dissolved Metals, and Pyrethroid Pesticides in 2015
 2. Drop Silica
 3. Add Turbidity
 - iii. Assessments

1. Continue core monitoring assessments (P-hab, CRAM, Bugs, Algae)
2. Add Invasive Vertebrate Checklist, and Channel Engineering, Hydromodification - Hydrologic State/Water Loggers
5. Program Document Revision Plan – Question 2
 - a. We will continue sampling at our 8 targeted sampling locations in 2015.
 - i. The group will discuss changing the targeted site sampling locations at the next TSG.
6. Next Meeting:
 - a. Program design document revision: Question 2
 - b. Determine fish bioaccumulation sampling locations
 - c. Sampling update
 - d. 2014 draft report review
 - e. Revisit Sites – determine if we will collect samples at the first two selected sites for 5 years.
 - f. Web Portal – discuss functionality and improvements
 - g. Question 2 updates

Action Item List

1. CEC Priority List: Phil Markle has the Blue Ribbon Panel priority CEC list. Karin will get this information from Phil (Deadline: February 28, 2015)
2. Web portal special study authorization: Scott will send Phil and Lysa a scope and budget for the web portal updates approved by the TSG
3. Hydromodification and hydrologic state/water loggers special study authorization: Scott will send Phil and Lysa a scope and budget for the hydromodification protocol and water loggers (Deadline: March 2nd, 2015)
4. Email 2012 draft report to the TSG (Deadline: February 23, 2015)
5. Email 2013 draft report to the TSG (Deadline: March 9, 2015)