

San Gabriel River Regional Monitoring Program
Technical Stakeholder Group Meeting
November 18th, 2015

Attendees:

Shannon Bishop, LACSD
Phil Markle, LACSD
Emiko Innes, LACDPW
Michael Lyons, LARWQCB
Stuart Goong, OCPW
Rita Abellar, OCPW
Joe Purohit, EcoLayers
Rich Gossett, IIRMES
Scott Johnson, Aquatic Bioassay
Karin Patrick, Aquatic Bioassay

1. Action Items from May, 2015 meeting.
 - a. Website/ Data Portal: A user group has not been started, but two meetings of the TSG have now occurred. A budget for development of the web site is in place for the 2015 to 2016 fiscal year.
 - b. CSCI Calculations: The GIS layers and GIS metrics have been completed and we will run the CSCI score calculations for the BMI results (2008 to present)
 - c. Special Study TRE: Phil will look into this further
 - d. Prey Fish Special Study: The state is conducting a prey fish species study. Three species of prey fish (25 to 100 mm) are collected at each lake and analyzed for Mercury and Selenium. Karin will contact SWAMP and present more information regarding the project at the next meeting.
2. Program Update
 - a. 2015 Sampling Effort
 - i. Bioassessment Sampling
 1. Samples collected at 2 random sites, 2 annual revisit sites, 2 revisit sites and all 8 targeted sites.
 2. Post Fire Sites not collected– Sampling got delayed due to summer storm events. We attempted to sample the sites in August, however Shortcut Canyon was dry and Rush Creek was overgrown with poison oak (also had very little water).
 - ii. Estuary sediment and infauna samples were collected in June.
 - iii. Swim site and sentinel site sampling occurred from May to September
 - iv. Bioaccumulation Sampling
 1. Sampling occurred at Santa Fe Dam
 2. A total of 8 composite samples were analyzed in 2015. Fish species included common carp, bluegill, pumpkinseed, and flathead catfish.

- b. Laboratory Analysis
 - i. Toxicity analysis and data entry is completed.
 - ii. Chemistry Results – all samples have been analyzed and most of the results have been entered into the database with the exception of OCPW chemistry results, the fish tissue bioaccumulation results and estuary sediment chemistry results. The results should be finalized in December, 2015.
- c. Water Level Loggers
 - i. Water level loggers deployed at the Cattle Canyon annual revisit site and the East Fork revisit site.
 - 1. Currently reviewing data results with Raphael Mazor at SCCWRP
- d. 2016 QAPP
 - i. Revisions have begun
 - 1. January 29th, 2016 – DQOs to Laboratories
 - 2. February 26th, 2016 – Draft QAPP to Workgroup
 - 3. March 11th, 2016 – QAPP Comments Due
 - 4. March 15th, 2016 – QAPP Posted to SGRRMP Website
- e. 2014 Annual Report
 - i. Comments due November 25th, 2015
- 3. Website/Web Portal – Functional Design (See meeting presentation for more details)
 - a. A DRAFT functional design document containing the approach developed by the TSG will be delivered by December 11th. A conference call will be held with TSG members the following week to discuss the approach and finalize the document. The final functional design document will be delivered before Christmas.
 - b. A project schedule is under developed and will be presented to the TSG during the conference call.
 - c. Website Homepage
 - i. SGRRMP program is the main focus on homepage
 - ii. Agency logos, linked to their websites, will be posted on the bottom of the page
 - iii. Workgroup will see a mockup of the homepage prior to beginning of development.
 - d. Summary Reports
 - i. Static report pages specifically for the public
 - ii. Define technical terms for the public (what is water quality, stream condition etc...)
 - iii. How do we present complex data to the public?
 - 1. Limit the number of metrics and indicators that are shown to the public, but that still convey the content of the message.
 - 2. Simplify our tables and figures
 - a. Pie charts, maps, color coding
 - 3. Have multiple pages with explanations so that pages don't become cluttered.

- iv. Ambient stream condition – synthesize water quality, biotic condition, physical habitat and toxicity data into format the public can grasp.
 - 1. Provide 2 to 3 levels of effect: good, moderate, bad displayed on pie charts with maps. To do this, thresholds for key metrics needs to be established. The group indicated that these thresholds do not need to be regulation based. Scott and Joe will develop a framework that will be included in the draft functional design document.
 - a. Use SMC 5 year summary report reference sites?
 - b. Use SGRRMP reference sites?
 - c. Use regional reference sites that are in the same nodes as SGRRMP reference?
 - d. Use only SGRRMP data divided into percentiles?
 - e. Use compliance standards where applicable?
- v. Swim Safety
 - 1. Use REC1 standards for thresholds
 - 2. Update results annually at the end of September
 - 3. Communicate overall trends at specific sites (i.e. higher bacteria counts on weekends/holidays, number of people, trash?)
 - 4. Display pictures of each site (interactive map?)
 - 5. Post what causes high bacteria counts and how we can keep the sites clean
 - 6. Create a report card?
- vi. Fish Consumption Safety
 - 1. We will not post any fish consumption advisories (those can only be posted by OEHHA)
 - 2. Display a map with all of our bioaccumulation sites. The public can click on their lake of interest and see results
 - 3. How to display result?
 - a. Display a picture of the fish and use 2 to 3 color codes to indicate if the fish is okay to eat
 - b. Just show pictures of the fish that appear to be clean?
 - c. Provide data table behind the fish graphic for each waterbody.
- e. Data Exports
 - i. Full data export for each table (no filters), including meta data
 - ii. User information
 - 1. Only include user counts, no email address required
- f. Links
 - i. Include contributing partner links on the bottom of the homepage
 - ii. Additional links may be added in the future

Action Item List

- 1. 2014 Annual Report comments due to Scott by November 25th, 2015

2. Prey fish study design will be presented at the next TSG meeting (Karin)
3. Web portal functional design document (Scott & Joe); Due December 11th
4. Web portal conference call to discuss functional design document; December 17th (?)
5. Finalize web portal functional design document: before Christmas
6. Web site development begins January, 2016

Next Meeting: January, 2015 (?)