

Action Item Notes

Effectiveness Monitoring Committee Meeting

April 14, 2016

Ukiah, UC Cooperative Extension Office

Participants (20) : Stu Farber (Co-Chair), Dr. Russ Henly (Co-Chair), Matt Dias, Matt House, Dr. Kevin Boston, Dr. Erin Kelly, Drew Coe, Bill Short, Bill Condon, Tom Engstrom, Jim Burke, Clarence Hostler, Dr. Kim Rodrigues, Dave Fowler, Mandy Culpepper, Nick Harrison, Richard Gienger, Peter Ribar, Connor Pompa, and Pete Cafferata.

Webinar participants (2): René LeClerc and Clayton Code.

Report by the Co-Chairs

- Russ Henly reported that the AB 1492 TRFR Program funding for EMC work (\$425K/yr for 2 yrs) continues to be included in the Governor's budget, and was approved by the Assembly Budget Committee. No opposition in the Senate is expected.
- Dr. Henly also updated the EMC on the AB 1492 Spring Finance letter and the pilot watershed project (Campbell Creek in the SF Ten Mile River watershed was selected).

EMC Comments on the 3rd Experiment at the Caspar Creek Experimental Watersheds

- Pete Cafferata will assimilate all EMC comments on the 3rd Experiment into general themes, summarize them in a draft memorandum, and provide it to the EMC for their review. **Additional EMC comments are to be emailed to Pete by May 2nd. The memo will be emailed to the EMC by May 13th.**
- To date, comments have been received from Stu Farber, Matt House, and Dave Longstreth. Mr. Longstreth has developed a study plan for a new small-scale study to compare previous landslide mapping efforts to georeferenced mapping (e.g., GPS, ArcGIS, LiDAR) techniques.
- Oral comments regarding Dr. Dymond's study plan during the meeting were received from Peter Ribar and Tom Engstrom (silvicultural system descriptions, road decom work in control sub-watersheds, test of FPRs or Rules + JDFS standards?).
- Dr. Salli Dymond's PowerPoint and study plan for the 3rd Experiment are posted on the EMC website under "February 2016 EMC Meeting Materials."
- Continued discussion is to occur regarding how EMC critical questions can be answered with the 3rd Experiment at Caspar Creek (avoiding duplication of efforts).

Review of Proposed Monitoring Projects with Detailed Project Descriptions

- **EMC-2015-002** (FORPRIEM ver. 2.0)—Pete Cafferata.
 - A PowerPoint presentation was provided summarizing project progress; it is posted on the EMC website.
 - Numerous suggestions for improvement related to data/content and process were discussed, including:

- Data/Content:
 - Winter storm data protocols
 - Mass wasting documentation where encountered on a plan
 - Documentation of sizes of stressing storm events that occurred during overwintering period(s)
 - Possible inclusion of other types of high risk areas, such as site preparation sites, heavily compacted areas, etc.
 - Consequences to beneficial uses of water (e.g., approximate volume of sediment delivered to stream channel--<1 yd³, 1-5 yd³, 5-10 yd³, >10 yd³)
 - Inclusion of requirements from the Road Rules, 2013, ASP Rule Package, and other pertinent FPR changes
 - Process:
 - Contractor use for QA/QC
 - Public involvement (e.g., watershed groups), possible landowner assistance
 - Need for calibration training and possible trained cadre for data collection
 - **Need for defined Review Team agency cooperation and participation (to be discussed by the AB 1492 Leadership Team)**
 - Use of a stratified random sampling approach when the relationship can be linked to the entire plan population.
 - Measure and report on both implementation and effectiveness of FPRs to ensure that information is collected on whether the problem sites are due to incorrect implementation or ineffectiveness.
 - Need for an approach that is not overly time consuming for CAL FIRE and other Review Team agency field personnel collecting the field data
- **A subcommittee of Kevin Boston, Dave Fowler, Pete Cafferata, and CGS + DFW representation will develop the revised project proposal prior to the next EMC meeting on May 16th.**
- **The project proposal will be rewritten (1) in a format that reflects topics included in the EMC Strategic Plan (e.g., types of monitoring to be used, resource benefit, critical questions addressed), (2) with clear language on cooperation/agency collaboration, and (3) to include clarification on methodologies to be utilized (including sediment delivery quantification, stressing storm descriptors, and the other points listed above).**
- **EMC-2015-001** (Class II-L monitoring)—Drew Coe.
 - The detailed project description written for the AB 1492 Ecological Performance Measures Working Group in 2014 was summarized, including five specific monitoring questions.
 - There was general consensus that the first three monitoring questions are most appropriate for study.

- **The project proposal will be rewritten (1) in a format that reflects topics included in the EMC Strategic Plan (e.g., types of monitoring to be used, resource benefit, critical questions addressed), and (2) to include clarification on approaches and methodologies to be utilized.**
- **EMC-2015-004** (Effectiveness of reducing hydrologic disconnection and road surface erosion)—Drew Coe.
 - The detailed project description written for the AB 1492 Ecological Performance Measures Working Group in 2014 was summarized, including two general monitoring questions and two specific monitoring questions. It focuses on hydrologic disconnection, but also currently includes a road mass wasting component.
 - This study will utilize “plan-scale” data collection, rather than random road segment data collection (FORPRIEM data collection).
 - Advantages and disadvantages of a pre and post plan implementation data collection approach versus a “target” scenario were discussed.
 - **EMC members, EMC staff, and public participants were encouraged to provide input to Mr. Coe on how to further develop this study.**
 - **The project proposal will be rewritten (1) in a format that reflects topics included in the EMC Strategic Plan (e.g., types of monitoring to be used, resource benefit, critical questions addressed), and (2) to include clarification on approaches and methodologies to be utilized.**

EMC Monitoring Projects without Detailed Project Descriptions

Principal investigators are to complete the required 4-5 page concept proposals for the following proposed projects if they are to be considered for ranking at the May 16th EMC meeting.

- **EMC 2015-003 Coe, Fowler, and Short** (Road Rules effectiveness at reducing mass wasting)
- **EMC 2015-006 McFadin** (Effectiveness of Class II headwater WLPZ protection measures for water temperature, near stream humidity, and streamflow)
- **EMC 2015-007 Stanish** (Monitoring habitat of anadromous salmonid species in forested watersheds)
- **EMC 2015-008 McFadin** (Landscape-level long-term water temperature monitoring of forested watersheds)
- **EMC 2016-001 Short** (Post-fire 2013 road rules effectiveness monitoring)
- **EMC 2016-XXX Condon** (General protection of nest sites—implementation and effectiveness of the Forest Practice Rules at protecting active nest sites)
- **EMC 2016-YYY Condon** (Snag retention—implementation and effectiveness of the Forest Practice Rules at maintaining functional wildlife habitat through snag retention)
- **EMC 2016-ZZZ Coe** (Post-fire effectiveness of the Forest Practice Rules in protecting water quality on Boggs Mountain Demonstration State Forest)

All concept proposals must be submitted by noon on May 11th to be considered at the May 16th EMC meeting. Proposals are to be emailed to Matt Dias for posting.

EMC Website Update

- Matt Dias informed the EMC that the website is currently being updated:
 - EMC proposed projects are being modified to display projects that are active.
 - The EMC Strategic Plan and proposed projects are being modified so that committee members, staff, and members of the public that use Google Chrome will not see “background noise” from past NSO documents that were used as formatting template for the EMC Strategic Plan.

Next Meeting Dates and Agenda Items

- The next meeting date is May 16th in Redding. Agenda items will include a presentation by Dr. Andy Stubblefield, HSU, on the Railroad Gulch BMP Evaluation Project and a presentation by Drew Coe on the Boggs Mountain Demonstration State Forest (BMDSF) post fire erosion study as it relates to EMC-2016-ZZZ.
- The following EMC meeting will occur in June; Matt Dias has provided the following Doodle poll for date selection: <http://doodle.com/poll/g6edb9userp66zbe>.
- The BOF’s Monitoring Study Group (MSG) will have a combined indoor/outdoor meeting on May 18th, including a field trip to BMDSF to observe the ongoing post fire sediment monitoring study. See: http://www.bof.fire.ca.gov/board_committees/monitoring_study_group/meeting_agendas/2016_agendas/msg_agenda_05-18-16final.pdf

EMC-Related Meeting Announcements

- The Coast Redwood Forest Symposium will take place on September 13-15, 2016 in Eureka (see: <http://ucanr.edu/sites/Redwood2016/>). The deadline for abstracts for posters and oral presentations is May 2nd.
- The Klamath Basin Monitoring Program (KBMP) general membership meeting is taking place on April 20th-21st, in Klamath Falls, OR. See the following site for additional information: http://www.kbmp.net/images/stories/pdf/Meeting_Materials/Meeting_18/KBMP_Spring_2016_Meeting_Agenda_Final.pdf