

## **Action Item Notes**

### **Effectiveness Monitoring Committee Meeting**

**May 16, 2016**

**Redding, CAL FIRE Regional Office**

**Participants (22)** : Stu Farber (Co-Chair), Dr. Russ Henly (Co-Chair), Matt Dias, Matt House, Dr. Erin Kelly, Bill Condon, Sal Chinnici, Drew Coe, René LeClerc, Tom Engstrom, Dave Fowler, Mandy Culpepper, Nick Harrison, Dr. Andy Stubblefield, George Gentry, Richard Gienger, Stacy Stanish, Connor Pompa, Thembi Borrás, Vivian Helliwell, Andy Colenna, and Pete Cafferata.

**Webinar participants (2)**: Fred Blatt and Kristy Wrigley.

#### **Report by the Co-Chairs**

- Russ Henly reported that the AB 1492 TRFR Program funding for EMC work (\$425K/yr for 2 yrs) has passed both the Senate and Assembly Budget Committees.
- Dr. Henly also updated the EMC on the AB 1492 topics (pilot watershed project—Campbell Creek in the SF Ten Mile River watershed, Spring Finance letter and funding for per diem).

#### **Presentation on the Railroad Gulch BMP Evaluation Project**

- Dr. Andy Stubblefield, HSU, provided a PowerPoint presentation on the Railroad Gulch BMP Evaluation Project; it is posted on the EMC website: [http://www.bof.fire.ca.gov/board\\_committees/effectiveness\\_monitoring\\_committee/may\\_2016\\_emc/emc\\_3.1\\_railroad\\_gulch\\_presentation\\_stubblefield.pdf](http://www.bof.fire.ca.gov/board_committees/effectiveness_monitoring_committee/may_2016_emc/emc_3.1_railroad_gulch_presentation_stubblefield.pdf)
- A detailed progress report for water years 2014 and 2015 is also posted on the EMC website.
- This study is partially being funded by CAL FIRE as a BOF MSG cooperative instream monitoring project. Continued discussion is to occur regarding how EMC critical questions can be answered with this project (similar to the 3<sup>rd</sup> Experiment at Caspar Creek), avoiding duplication of efforts.

#### **EMC Comments on the 3<sup>rd</sup> Experiment at the Caspar Creek Experimental Watersheds**

- Pete Cafferata assimilated all EMC comments on the 3<sup>rd</sup> Experiment into general themes, summarized them in a draft memorandum, and provide it to the EMC for their review.
- The EMC approved the memorandum, with minor edits. After the changes were made, a hard copy was signed by the co-chairs and it was delivered to Dr. Salli Dymond in Fort Bragg on May 19<sup>th</sup>. Courtesy copies were provided to Dr. Alexander Friend, PSW Station Director, and Pam Linstedt, JDSF Forest Manager.
- The memorandum will be posted on the EMC webpage.

#### **EMC Membership**

- Stu Farber, Russ Henly, and Matt Dias reported that they are working on finding new members for the following EMC openings: USFS, University/UCCE, SWRCB, and public.

- The EMC “request for applicants” was emailed broadly on May 18<sup>th</sup> by Matt Dias and posted on the EMC webpage.
- Tom Engstrom’s position expires on July 1, 2016, but he can renew his membership.
- When appropriate, Stu Farber, Russ Henly, and Matt Dias will make recommendations on new members to the BOF for their approval.

### **Review of Proposed Monitoring Projects with Detailed Project Descriptions**

- **EMC-2015-002** (FORPRIEM ver. 2.0)—Pete Cafferata.
  - Erin Kelly summarized her comments on this project, including finding incentives for agency personnel to help collect the data, and determining ways to get the public involved in the project.
  - A subcommittee of Kevin Boston, Dave Fowler, Drew Coe, and Pete Cafferata developed the revised FORPRIEM ver. 2.0. project description.
  - Pete Cafferata reviewed the changes made to the project description based on suggestions made at the last EMC meeting.
  - Bill Condon suggested adding a cross walk to the FPRs being monitored in the full proposal.
  - Statistical review is needed prior to finalizing a sampling plan. The project proposal is to be rewritten with a statistical component, including a cost estimate.
- **EMC 2016-002** (Boggs Mountain Demonstration State Forest Post-Fire Research and Effectiveness Monitoring)—Drew Coe
  - Drew Coe summarized the three project tasks relevant to the EMC (post-fire management study, catchment study, post-fire demonstration study).
  - Russ Henly suggested putting the various treatments in the post-fire management study in a table.
  - Stu Farber suggested using the Sierra Cascade Intensive Research Co-Op when deciding on appropriate herbicide treatments at BMDSF (see: <http://ucanr.edu/sites/SCIFMRC/>).
  - It was suggested that the post-fire demonstration study could test BMPs such as waterbreak spacing, slash packing, chipping, etc. EMC input on feasible post-fire treatments is desired.
  - This project will be renumbered to: EMC-2016-002 (rather than EMC-2016-ZZZ).
- **EMC-2015-004** (Effectiveness of Road Rules in Reducing Hydrologic Connectivity and Significant Sediment Discharge)—Drew Coe.
  - Drew Coe explained that the project description was restructured to fit the EMC format (previously written for the AB 1492 Ecological Performance Measures Working Group in 2014).
  - Advantages and disadvantages of a pre- and post-plan implementation data collection approach versus a “target” scenario (e.g., 10% for remaining connectivity) were discussed, and it was stated that the EMC needs to make a choice between these two options. Stu Farber suggested using the pre- and post-plan approach.
  - This study will utilize “plan-scale” data collection, rather than random road segment data collection (FORPRIEM 2.0. data collection).

- Statistical consultation is required to ensure proper data collection, particularly for large plans. A stratified random sampling approach for plan selection, similar to that being develop for FORPRIEM ver. 2.0., will be used.
- Storm recurrence interval estimates will be required.
- **EMC-2015-001** (Class II-L monitoring)—Drew Coe.
  - A revised detailed project description is under development.

### **EMC Monitoring Projects without Detailed Project Descriptions**

EMC monitoring projects without detailed project descriptions are:

- **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 Project Proposal Ranking**

- Ranking of the four projects with detailed project descriptions using the procedure in Appendix F of the EMC Strategic Plan will be used at the next EMC Meeting. This will also be a beta test of the ranking protocol.

### **Public Comment**

- Vivian Helliwell showed a brief PowerPoint with photos of road runoff in the South Fork Elk River watershed during a January 2016 rainstorm event. She requested more frequent winter road monitoring during winter storms.
- Richard Gienger commented that the AB 1492 pilot watershed project will be asking for public participation applications shortly, and that more compensation than just per diem is needed to receive adequate participation.

### **Next Meeting Dates and Agenda Items**

- The next meeting dates are June 17<sup>th</sup> in Ukiah (BLM Field Office at 2550 North State Street), and August 2<sup>nd</sup>, tentatively in Redding. The final location for the Redding meeting and the meeting agendas will be send to the EMC when they are available.

### **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 BOF's Monitoring Study Group (MSG) had a combined indoor/outdoor meeting on May 18<sup>th</sup>, including a field trip to BMDSF to observe the ongoing post fire sediment monitoring study (EMC-2016-002). The full BOF will tour BMDSF during their July meeting (July 20<sup>th</sup>).
- The next full BOF meeting is scheduled for June 14-15 in Sacramento.
- The 19<sup>th</sup> Annual Coho Confab is scheduled for August 26-28<sup>th</sup> in Caspar (Jughandle Creek Farm). For more information, see: <http://www.calsalmon.org/programs/coho-confabs/19th-annual-coho-confab>