Project Number:     EMC-2015-002
Project Name:       FORPRIEM (ver. 2.0) WLPZ, watercourse crossing, and road
                    monitoring

**Background and Justification:**
FORPRIEM monitoring is CAL FIRE's only direct 'project monitoring' of THPs and NTMPs, except for Forest Practice inspections, and remains a very high priority for the Department. The first version of FORPRIEM ran from 2008-2013, with a detailed report finished at the end of last year (Brandow and Cafferata 2014). In that report, several suggestions were stated for the next version of FORPRIEM (ver. 2.0), including:
  (1) Using a stratified random draw of completed THPs, NTMP-NTOs to better test the FPRs on a larger percentage of higher risk sites. Use ArcGIS to stratify based on slope, surface soil erosion hazard, geology (landslide risk), etc.
  (2) Modifying the FORPRIEM methods to accommodate changes to the Forest Practice Rules, including the ASP rules that were implemented in 2010, and the Road Rules, 2013 rule package, adopted in 2014 and effective January 2015. In particular, new methods are needed to monitor and evaluate WLPZs with ASP-required multiple zones.
  (3) Gathering input from the BOF's Effectiveness Monitoring Committee on revisions to FORPRIEM and making an attempt to better utilize the other Review Team agencies to collect field data.

**Objective(s) and Scope:** The objectives of FORPRIEM remain to determine the implementation and short-term effectiveness of the Forest Practice Rules implemented on the ground related to water quality.

**FPRs and regulations**: 14 CCR §§ 913 (933, 953); 914 (934, 954); 916 (936, 956); 923 (943, 963)

**EMC Critical Question or Priority:** See Section 2.3, Themes 1, 2, 3, and 4

**Collaborators:** CAL FIRE, NCRWQCB, CVRWQCB, CGS, CDFW

**Existing or Needed Funding:** No additional funding required; CAL FIRE provides staff to collect data.

**Timeline and Fiscal year (s):** Finish draft methods document in 2015; beta test revised procedures in early 2016; schedule training sessions in spring of 2016; implement in summer 2016. Collect data for a minimum of 3-5 years.

*Submitted by  Pete Cafferata, 9/15/15*