

Erosion and Sediment Control Best Management Practices Workshop

September 16, 2015 | Piercy, CA



The agenda for the Erosion and Sediment Control BMP Workshop is designed to assist regulators, environmental scientists, engineers, wardens, and landowners to improve environmental protections by identifying, assessing, and ultimately designing erosion control projects. The workshop will cover the following topics:

- Identifying sediment sources and quantifying erosion volumes
- Evaluating sediment sources for their potential to deliver sediment to streams
- Assessing environmental impacts from accelerated erosion and sediment delivery
- Creating erosion control and prevention plans
- Designing, procuring and evaluating grading plans and permits
- Environmental permitting application process and requirements

The agenda will draw from Chapter 10 of the California Salmonid stream habitat restoration manual and the PWA Road Treatment Protocol described in the "Handbook for Forest and Ranch Roads, a Guide for Constructing, Re-constructing and Maintaining Wildland Roads" commissioned by CAL FIRE, NRCS and the MCRCD (Weaver and Hagans, 1994).

Curriculum includes:

1. Fundamentals of erosion process: Rilling and gullying, Landslides
2. Biologic and watershed impacts from accelerated erosion and sedimentation
3. Identifying and characterizing sources of accelerated erosion and sedimentation: Road related erosion, Grading related erosion, Landings and building pads, and Land clearing
4. Estimating erosion volumes and sediment delivery: Estimating disturbed areas, Estimating and documenting grading volumes
5. Developing grading plans: Developing a grading plan, Required permitting for grading and rural land development, Developing a remediation grading plan, When professionals are required
6. Erosion control BMP's
7. Developing an erosion control plan: The design process, Implementation sequencing
8. Monitoring erosion control sites
9. Case studies
10. Field tours to demonstration sites