



Salmonid Restoration Federation

Central Coast Field School

Culvert and Road Drainage Practices to Protect and Benefit Steelhead and Water Quality In the Central Coast Region

August 14-16, 2007

Arroyo Grande, California

Course Instructors:

Bill Weaver and Danny Hagans

Pacific Watershed Associates

The course will include several sessions in the field. At a minimum the following topics and examples will be covered in the course:

- 1) *Proper ditch relief and stream crossing culvert installation, with and without downspouts, flared inlets, trash racks, etc.*
- 2) *Proper installation of critical rolling dips or measures to eliminate stream diversions,*
- 3) *Classroom and field methods to determine appropriate culvert sizing for peak stream flows, sediment and woody debris in transport,*
- 4) *Proper approaches for addressing potential road fill and landing failures, as well as spoil disposal techniques,*
- 5) *Illustrate a variety of road bed and ditch drainage approaches. These include when, where and how to convert insloped and ditched roads to outsloped roads with or without a ditch, when, where and how to construct rolling dips with and without rock, and when, where and how to dispose of berms along roads,*
- 6) *How to properly excavate a stream crossing fill to minimize post excavation erosion and sediment delivery to streams, and*
- 7) *How to reduce roadbed width on excessively wide segments of road.*

Attn: Ranchers and Farmers:
 Full course is equal to 20 hours of continuing education toward Ag Waiver

Course fee: \$100 (fees are non-refundable)

Includes lodging for August 14-16, and class materials.

Class will begin Tuesday at 8am and end Thursday at 6pm. Space is limited to 30 participants.

To register for the field school, complete the following information:

Name: _____ Position: _____

Organization: _____ Email: _____

Address: _____ City, Zip: _____

Phone: _____ Fax: _____

Submit with payment to: CCSE 592 S. 13th Street, Grover Beach, 93433 (Checks payable to SRF)

For more information contact Nicole at CCSE 805-473-8221

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