

S.F. Elk River Road Assessment Project

Title: S.F. Elk River Road Assessment Project

Client: Bureau of Land Management (BLM);

Location: Humboldt County, California;

Summary: Pacific Watershed Associates conducted a sediment source road inventory and developed a restoration plan for the road network in the Headwaters Forest Reserve within the S.F. Elk River watershed (Project Area);

Project Details: This assessment project consisted of a field inventory of all roads identified in an air photo analysis of the Project area. The assessment sought to identify all existing and potential road-related sediment sources. At sites of future erosion and sediment delivery, generalized treatment prescriptions were developed for cost effective erosion prevention and erosion control. The inventory identified 355 sediment delivery sites on more than 30 miles of road in the Project Area. In addition to the sediment source inventory, the road network was surveyed and a restoration plan generated, which included estimates of excavation volume and heavy equipment requirements. The final report included the results of the sediment source inventory, as well as a prioritized schedule for road restoration based on the sensitivity of the fisheries, the potential for sediment delivery, the volume of expected sediment delivery, and treatment cost-effectiveness. An estimate of the total cost of implementing all erosion control and restoration work in the Project Area was included.

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