

Several thousand vehicle tires were placed in a ravine on the property during the 1970's to mitigate erosion of the reservoir emergency spillway in accordance with standard practice and regulatory approval, at that time. Subsequently an engineered emergency spillway was installed on the reservoir at an elevation lower than the ravine that contained the tires. In 1996 the Sonoma County Environmental Health Division (SCEHD) and the California Integrated Waste Management Board (CIWMB) determined that placement of the tires constituted improper waste disposal, promoted the propagation of vectors, was a potential fire hazard, and removal of the tires was therefore required. Complicating the matter was the fact that the ravine erosion had continued to undermine the toe of a landslide resulting in alteration of the creek channel and a sensitive wetland.

Environmental Geology Services, Inc. prepared a report documenting our research and presented possible remedial approaches and cost estimates. Subsequently the CIWMB categorized the site as a "Legacy Tire Site" and non-permitted disposal facility, and issued a Cleanup and Abatement Order requiring tire removal per PRC 42820 and CCR Title 14. Our further geotechnical investigation determined that removal of the tires would cause movement of the landslide. EGS was retained by the site Owner to prepare the Work Plan for Remediation of the Legacy Tire Site and Stabilization of Ravine and Landslide. Together with our Associate Engineer, John Campbell, EGS developed a ravine and landslide stabilization plan with civil engineering firm CSW-ST2, obtained permitting from Sonoma County PRMD, and coordinated with CIWMB and SCEHD for tire removal / disposal, solicited grading contractor bids, provided site construction observation and management, documented general grading, keyway excavation, subsurface and surface drainage installation and construction, placement of drainage out-fall and creek bank stabilization rip-rap, documented all site work through finish grading and hydro seeding into our final report.