



Wildfire Preparedness & Recovery Services



Environmental Science Associates (ESA) provides public agencies and utilities across the western United States with science-based support for **Wildfire Preparedness and Recovery**. Our multidisciplinary team of scientists and technical specialists guide clients to mitigate risks and restore damaged ecosystems.

Key Services

- Hazard, risk, and vulnerability assessments
- Geospatial analysis, including modeling and data visualization
- Strategy development and prioritization
- Community engagement
- Biological and cultural resources surveys
- Air quality analysis
- Restoration and vegetation management
- Regulatory and permitting support
- Post-fire litigation and reporting support
- Post-fire vegetation analysis and monitoring

Select Projects

LAKE COUNTY (MONTANA) COMMUNITY WILDFIRE PROTECTION PLAN

Working with local officials, tribes, and state and federal agencies, ESA prepared key updates to the mostly rural community's wildfire protection plan. We identified high-risk areas and delineated the Wildland Urban Interface using spatial analysis, then developed and prioritized fuel-reduction projects with input from residents and tribal and local wildfire managers to improve access and landscape resilience.

CITY OF SANTA BARBARA WILDFIRE RESILIENCY PROJECT

An ESA-led team is supporting the City's fuels management and defensible space improvements across 23 parks and open spaces. Our services included WEAP training, biological surveys, monitoring, and environmental compliance. Working with the Fire and Parks departments, ESA is identifying vegetation for removal while protecting special-status species, nesting birds, aquatic resources, and sensitive habitats.

INNER COAST COLLABORATIVE REGIONAL PRIORITY PLAN

ESA is partnering with the Collaborative to prepare a plan for the six counties in California's Inner Coast under the Regional Forest and Fire Capacity Program. We are leading engagement and spatial analyses to identify opportunities for projects that reduce wildfire risk and create fire-resilient ecosystems across the region.

POST-FIRE LITIGATION SUPPORT

ESA Principal Biologist Tamara Klug provides ecological analysis and expert testimony in wildfire and natural resource damage cases across the western United States. She conducts field investigations, evaluates ecological injury and restoration costs, and prepares defensible reports, testimony, and habitat service loss assessments.



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