



About Sequoia Ecological Consulting

**Integrated biological and permit support services—
from planning stages through mitigation monitoring.**

Sequoia Ecological Consulting, Inc. (Sequoia) provides biological and ecological consulting services to mining and aggregate companies, contractors, and consultants throughout California.

From our offices in Contra Costa, San Diego, and Sacramento Counties, **Sequoia helps our clients satisfy the requirements of varied complex permits** related to mining operations, site maintenance and improvements, off-site mitigation efforts, and site reclamation.

Sequoia's team includes **wildlife biologists, botanists, construction monitors, restoration specialists, herpetologists, storm water inspectors, permitting specialists, and aquatic biologists**—all of whom are experienced in the evaluation of biological resources at all levels.

We work with clients to minimize project impacts on biological resources, supporting them with analysis and planning, permitting strategy and applications, monitoring, and reporting.

MINING AND RECLAMATION SUPPORT SERVICES

- Regulatory Permit Consultation and Preparation and SMARA Compliance
- Long-Term Management Plans and Monitoring, and Reclamation Planning
- Technical Studies, Plant/Wildlife Surveys, and Biological Monitoring for Permit Compliance
- Restoration/Mitigation Plans and Monitoring
- Revegetation Plans and Monitoring
- Grazing Monitoring Plans and Implementation
- CEQA/NEPA Process and Documentation
- Resource/Habitat Assessments and Mapping
- Species Protocol Surveys & Constraints Analysis
- Nesting Bird/Raptor Surveys; Avian Protection and Exclusion Plans
- Fisheries Surveys, Habitat Assessments, and Electrofishing
- Geomorphic Studies
- 10(a)1(A) Services and CDFW MOU for California Red-legged Frog, CA Tiger Salamander, San Francisco Garter Snake, and Vernal Pool Branchiopods, Sierra Nevada Red-legged Frog, Foothill Yellow-legged Frog
- Mitigation Banking & Monitoring
- Drone and Unmanned Aerial Vehicle Services

CONSTRUCTION SUPPORT SERVICES

- Environmental Awareness Training with Crews and On-Site Personnel
- Pre-construction Surveys
- Biological Monitoring for Construction Compliance
- Storm Water QSP & Inspections



Select Mining and Reclamation Experience

Sand Plant Revegetation Monitoring

- SANTA CRUZ COUNTY

- Assisting client with reclamation goals in accordance with SMARA requirements
- Revegetation monitoring using qualitative and quantitative monitoring techniques
- Targeted rare plant surveys
- Annual erosion control monitoring
- Adaptive management recommendations including consultation and direction on controlling weedy species, and information on revegetation techniques, native seed collection, and replanting strategies
- Ongoing biological consulting services

Napa Quarry Expansion Biological Support

- NAPA COUNTY

- Permit compliance services in support of quarry expansion
- Resource assessment surveys
- Invasive species management plan
- Resource agency permitting
- Restoration plans for special-status species, holly-leaved ceanothus, and oak woodlands
- Floristic-level surveys
- Mitigation implementation

Lake Herman Quarry Expansion Compliance Monitoring and Permitting

- SOLANO COUNTY

- Support for compliance with USFWS Biological Opinion
- Long-term management plan species and habitat monitoring to mitigate unavoidable species impacts
- Monitoring surveys for California red-legged frog
- Floristic monitoring surveys for callippe silverspot butterfly
- Annual monitoring reports
- Technical studies for Expansion Permit application
- On-call support to update biological, wetlands, and hydrological technical reports for a pit reclamation

Mission Valley Aggregate Quarry Restoration and Revegetation Compliance Support

- ALAMEDA COUNTY

- Support for compliance with the Conditions of Approval in the surface mining permit
- Documenting site conditions
- Advising the client on how to achieve success criteria outlined in their Landscaping Plan
- Survey to document baseline (post-planting) site conditions
- Revegetation monitoring report for submittal to Alameda County
- Follow-up site visit to formally assess success criteria



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