



PRUNUSKE CHATHAM, INC.

BIOLOGICAL RESOURCES CONSTRUCTION MONITORING SERVICES

PCI's experience as a licensed contractor designing and implementing habitat restoration projects and as a consultant performing construction monitoring has resulted in practical methods for protecting biological resources, especially in sensitive environments. Work includes:

- **Impact avoidance** and **dewatering and species protection plans**
- **Bird nesting surveys**
- **Preconstruction surveys** for federal/state-listed and common species
- **Construction crew training**
- **Terrestrial and aquatic species relocation**, including listed salmonids
- **Construction monitoring**
- **Post-construction success monitoring and reporting**

PCI has served as the lead biological consultant for dewatering and aquatic species relocation for the City of St. Helena's York Creek Diversion Modification and York Creek Sediment Removal Projects, Carriger Creek Fish Passage Improvement in Sonoma, Devil's Gulch Bridge Replacement in Samuel P. Taylor State Park, and The Branson School's Bank Stabilization in the Town of Ross. Example projects include:



California Tiger Salamander (CTS)



Big Sulphur Creek Fish Passage Project

Above: Relocating steelhead and other aquatic species out of work area with seine nets.

Below: Dewatering to deliver clean water around project area,



- **Green Valley Laguna Force Main Pipeline:** Installation in California tiger salamander (CTS) habitat. PCI provided preconstruction sweeps, crew training, and continuous monitoring for early weeks of construction; later PCI lead biologist secured approval to train a construction crew member for continuous monitoring, and PCI provided morning inspections and construction monitoring oversight.
- **Calpine's Big Sulphur Creek Fish Passage:** Bird nesting surveys; dewatering and species protection plan for federally listed salmonids, listed plants, California Species of Special Concern (northwestern pond turtle and foothill yellow-legged frog) and California fully protected species (ring-tail); construction-area resource protection flagging, preconstruction surveys and crew training, dewatering with fish and aquatic species rescue, construction-period monitoring, post-construction compliance reporting, and on-going native species revegetation success monitoring.
- **Valley Memorial Park:** restoration of a drainage swale upstream of a significant marsh in Novato; preconstruction surveys and trainings, monitoring for California red-legged frog (CRLF), post-construction compliance reporting.
- **PG&E Pit River Hydroelectric Facility Relicensing:** botanical monitoring, seed collection, and roadside revegetation for a variety of habitat types (coniferous forest, riparian corridor, and oak woodlands).
- **Lynch Creek Flood Channel Maintenance:** bird nesting surveys, relocation of listed salmonids, construction sweeps to rescue sensitive biological species.
- **Marin Resource Conservation District:** complete biological monitoring services for sediment reduction and habitat restoration projects in western Marin County.
- **CTS presence/absence fencing studies and regulatory consultation** for widening of Highway 101 in Santa Rosa.

PCI's Sr. Wildlife Biologist holds a USFWS Recovery Permit 10(a)(1)(A) for CTS, CRLF, and California freshwater shrimp (CFS) and DFG Scientific Collecting Permit with Memoranda of Agreement for CTS, CRLF, and CFS. Others hold DFG permits for reptiles, amphibians, and mammals.