

Joseph D. Scriven

Education/Certifications

Master of Science, Natural Resources: Fisheries, Humboldt State University, 2003

Bachelor of Science, Biology: Biological Conservation, C.S.U. Sacramento, 1990

California Designated Subject Teaching Credential, 2006

Scientific Collecting Permit #11919: California Department of Fish and Wildlife. Expires March 2020

Training

California Red-legged Frog Training Program: Alameda County Conservation Partnership, 2015

GIS Introduction & Data Acquisition: Elkhorn Slough Coastal Training Program, 2014

Backpack Electrofishing Principles and Practices: Northwest Environmental Training Center, 2012

Zebra Mussel and Quagga Mussel Identification and Control Strategies: USFWS, Lake County, 2012

California Red-legged Frog Training Program: Elkhorn Slough Coastal Training Program, 2011

CRAM Certification for Riverine, Wet Meadow, and Depressional Wetlands: SF Estuarine Institute, 2011

Qualified Water Efficient Landscaper, U.S. EPA, 2008

Stream Habitat Typing: California Department of Fish and Game, 2007

Western Pond Turtle and Foothill Yellow-legged Frog Surveys: Six Rivers National Forest, 1992

Stream Habitat Typing: Six Rivers National Forest, 1989

Juvenile Salmonid Snorkel Surveys and Spawner Survey Protocols: Six Rivers National Forest, 1989

Experience

Surveys and Assessments

- Surveys for juvenile salmonids in summer and adults in fall/winter in various northern California streams to track trends in abundance or document responses to instream structures and other restoration activities.
- Surveys for foothill yellow-legged frog egg masses in spring in various northern California watersheds.
- Habitat assessments for California red-legged frogs in the upper Russian River and Garcia River watersheds associated with restoration projects. Training of construction crews in amphibian identification. Biological monitor during construction.
- Physical habitat and biological assessments in riverine systems using a variety of protocols.
- Stream habitat inventories and project mapping to document current conditions and track changes over time.

Monitoring

- Photographic monitoring of watershed restoration projects with time lapse units and photo-point stations.
- Installed and monitored out-migrant traps and performed salmonid carcass/spawner surveys in Mendocino County streams.
- Monitoring water levels in wells and stream gages for off-stream water storage.
- Temperature probe (Hobo Temp) calibration, deployment, and download. Data conversion to graphs for mean and maximum water and air temperatures.
- Data collection: snorkel and spawner survey protocols, stream habitat typing, cross-section and longitudinal surveys.

Project Management

- Scheduling and coordinating logistics to implement watershed restoration projects, including: fish passage barrier removal, dam removal, bridge installation, road upgrades
- Habitat assessments and design review for watershed restoration projects
- Habitat assessments, pre-construction surveys, and construction crew training for California red-legged frog identification
- Perform interviews with stakeholders and scientists for the Russian River Watershed Adaptive Management Plan
- Riparian vegetation planning and implementation
- Invasive plant removal planning and implementation
- Restoration site monitoring: photographs, cross section/longitudinal profiles, vegetation
- Well Monitoring- Data collection and management
- Temperature Monitoring: Probe calibration, deployment, and data management
- Bridge Cross-Section Measurements
- Water audits of commercial and residential properties
- Educator in classrooms and public venues for water conservation and water pollution prevention

Project Design

- Aquatic Habitat Enhancement Structures
- Stream Bank Stabilization
- Riparian Restoration
- Rural Road Improvement

Employment

Fisheries Biologist, Mendocino County Resource Conservation District: Jan. 2011 – Present

Water Resources Specialist, Mendocino County Water Agency: April 2008 – Dec. 2010

Director, Mendocino Fisheries Program- E Center: October 1998 – April 2008

Laboratory Technician II, U.C. Santa Cruz: January to May 2000

Watershed Coordinator, Smith River Advisory Council: July 1997 to October 1998

Fisheries Consultant Crew Leader, T. R. Payne and Associates: May 1996 to July 1997

Fisheries Biologist, Fisheries Department, Six Rivers National Forest: March 1992 to 1994

Biological Tech., Fisheries Department, Six Rivers National Forest: June 1989 – March 1992

Graduate Student- Master's Thesis, Humboldt State University Foundation: 1994 to 1996

- Thesis: A Snorkel Survey Protocol to Determine Distribution and Relative Abundance of Juvenile Coho Salmon in Smith River Tributaries. Designed and implemented field research to create a coho-specific survey protocol in small streams using snorkel surveys to describe abundance and distribution in the Smith River watershed. Secured funding, hired, trained, and supervised the field crew.