



We have been providing a wide range of environmental consulting services to our clients for over 30 years. Our goal is to provide our clients with the best service and environmental science by integrating the knowledge and experience of our employees and associates with the latest technologies and advanced techniques in analysis, modeling, and information systems. We serve clients in industry and government, including municipal and public utilities, chemical and petroleum industries, and local, state, and Federal agencies from offices in Lafayette and San Luis Obispo, California.



WHAT WE DO

Research and Monitoring
Impact Assessment and Mitigation Planning
Environmental Permitting
Data Management and Analysis
Regulatory Compliance Review
Natural Resource Inventories
Instrumentation Systems
Larval and Juvenile Fish Taxonomy
Phytoplankton Taxonomy
Zooplankton Taxonomy

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Tenera Environmental, with offices in Lafayette and San Luis Obispo, California, provides a wide range of environmental consulting services. Dr. David Mayer, the President of Tenera Environmental, has managed the company since its formation over 25 years ago. Our staff includes professional aquatic and terrestrial biologists, marine biofouling experts, mathematical ecologists, GIS analysts, biostatisticians, data analysts, hydroacoustic experts, and programmers.

Tenera Environmental is unique among consulting firms in our integration of technical expertise, information systems, and management consulting services. Through the experience and knowledge of our employees and associates, many of whom are recognized experts in their fields, we provide our clients with solutions based on the combined capabilities of our company — using the latest technology, including GIS, real-time data acquisition, and advanced techniques in analysis, modeling, and information systems. Tenera's expertise in data management and analysis provide our clients accurate and timely reports with greater insights into their data.

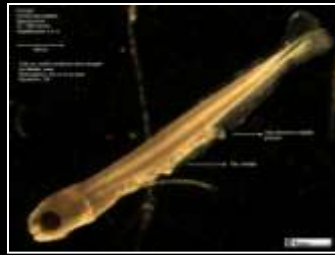


For the past decade TENERA has been the leader among a handful of California companies providing ichthyoplankton and juvenile fish sampling, sorting, and taxonomic services. In addition to our proven experience and expertise in larval fish collection, sorting, and taxonomic identifications, TENERA is currently the only company in California that can process thousands of samples per month.

Our expertise is focused on the marine, estuarine, and freshwater environments, in particular community ecology and vertebrate, invertebrate, and algal taxonomy. Our staff works with clients in a variety of industry and government sectors, including municipal and public utilities, chemical and petroleum industries, and local, state, and federal agencies.

*Demonstration Study
Potrero Power Plant*

TENERA collaborated with the client, the Regional Water Quality Control Board, the California Department of Fish and Game, National Marine Fisheries Services and EPA to design the study and sampling protocols and to review the statistical approaches for assessing impacts of Mirant's Potrero Power Plant.



*Subtidal Benthic Fauna
Characterization, Sediment and
Water Quality
Chevron, Gaviota, California; and
Duke Energy North America,
Morro Bay California*

TENERA Environmental designed and implemented soft-bottom subtidal benthic surveys to assess the distribution and population characteristics of benthic invertebrate populations. Both diver-operated and shipboard sampling devices were used, depending on depths, sediment characteristics, and other conditions.



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New Services in Lafayette Office,
California

Zooplankton Taxonomy
Phytoplankton Taxonomy



Precision in taxonomy requires knowledge and experience combined with high quality optical systems.

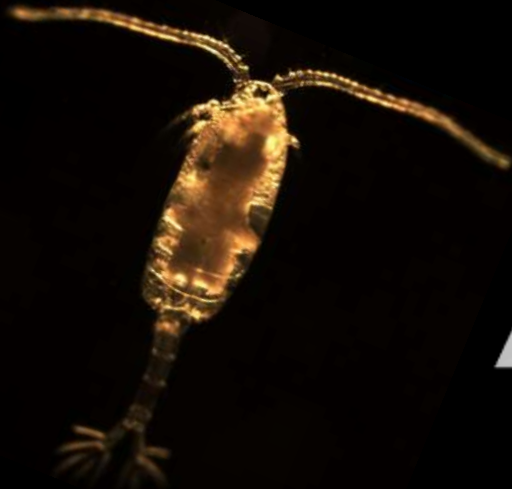
TENERA Environmental's phyto- and zooplankton taxonomy laboratory is equipped with high end Leica stereo and Zeiss inverted microscopes and Spot Idea 3 digital camera.



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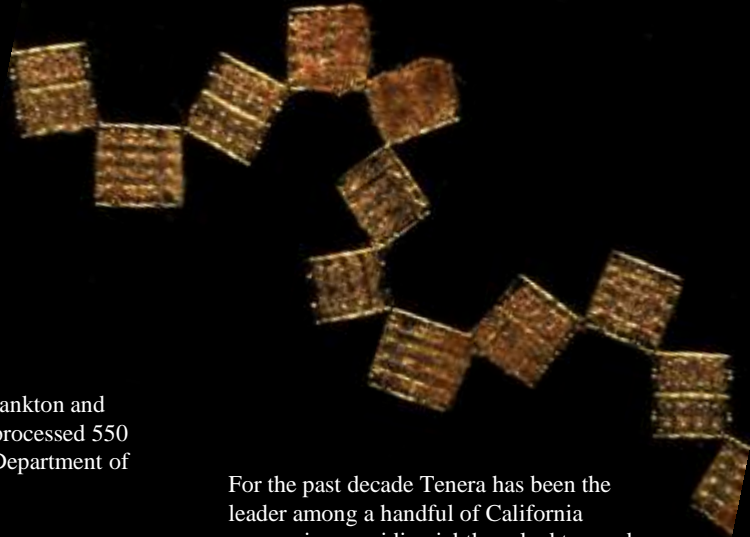
Cigdem Alemdar Phytoplankton / Zooplankton Taxonomist – Cigdem has a Bachelor of Science degree from the University of Istanbul in Turkey in Aquacultural Engineering. She has over ten years of experience in phyto- and zooplankton taxonomy. She accumulated this knowledge and experience throughout her employment at the University of California, Davis working with world famous scientists in their field. She was part of the research team in Prof. Charles R. Goldman and Prof. Peter Moyle's groups at UCD mainly identifying phyto-, microzoo-, and mesozooplankton of the San Francisco Estuary, Sacramento and San Joaquin rivers (the Delta), Lake Tahoe, Cosumnes flood plain and Castle Lake, California. She also has been involved in the scientific community to share her extensive knowledge in taxonomy. Throughout her employment at UC Davis she trained graduate students and researchers in taxonomy both inside and outside the university. Cigdem joined TENERA Environmental in September 2008. She is responsible in managing phyto- and zooplankton taxonomy related projects



Ichthyoplankton
Taxonomy

Zooplankton
Taxonomy

Phytoplankton
Taxonomy



Tenera Environmental is initiating a phytoplankton taxonomy laboratory in their offices in *Lafayette, California* in addition to ichthyoplankton and zooplankton services.

Cache Slough Project, Gina Benigno, *Department of Water Resources, Sacramento, California.*

The Pelagic Organism Decline in the Sacramento-San Joaquin delta has created substantial interest in characterizing the habitat of pelagic fishes. Understanding the patterns of hydrodynamics, turbidity, phytoplankton and zooplankton is important to describe the habitat of pelagic fishes including endangered delta smelt. The Cache Slough study examines the hydrodynamic "footprint" of Liberty Island in the north Delta, one of the key habitats of delta smelt.

Cigdem Alemdar, phytoplankton and zooplankton taxonomist, processed 550 zooplankton samples for Department of Water Resources .



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Yolo Bypass Project, Kevin Reece, *Department of Water Resources, Sacramento, California.*

The Yolo Bypass is the primary floodplain of the Sacramento Valley, approximately doubling the wetted area of the Delta during major storm events. Interagency Ecological Program studies have been conducted in the Yolo Bypass since 1997. Unlike much of the San Francisco Estuary though, there is no long-term database of Yolo Bypass water quality, lower trophic levels and fish abundance prior to the onset of this study. Such data are essential for the design, evaluation and adaptive management of habitat restoration projects in the Yolo Bypass. The present effort focuses on the continued collection of pre-project data. In brief, our work includes the sampling of zooplankton; larval fish and drift samples collected using trawls or fixed nets at the base of the Bypass from January through June on a biweekly basis.

