



**Habitat Restoration
Ecological Consulting**





Confluence Restoration is a Landscape Contracting firm based in Santa Cruz, CA. Offering a wide range of complementary services, Confluence specializes in habitat restoration projects with long-term establishment maintenance.

HABITAT RESTORATION SERVICES

Established in 2002, Confluence provides habitat restoration services throughout the diverse landscape of the San Francisco Bay area. Over the years, our dedicated team at Confluence has amassed a wealth of experience in every facet of habitat restoration—from meticulous planning and innovative design to seamless execution and ongoing maintenance.

Widely recognized for our commitment to excellence, Confluence has cultivated strong relationships with a broad array of clients and collaborators spanning both the public and private sectors. Our collaborative ventures have not only yielded successful outcomes but have also solidified our standing as a trusted partner in the pursuit of ecological restoration.

Construction

- Site Installation
- Irrigation systems design/build
- Weed Identification & management
- Long-term site maintenance
- Native Plant Identification & Management
- Certified Erosion Control Professional
- Qualified Applicator (QAL)

Planning and Design

- Impact and mitigation assessments
- Conceptual restoration and mitigation design
- Wetland delineations

Regulatory Agency Permit Compliance

- Biological as-built reports
- Long-term monitoring and reporting

CONTACT INFORMATION

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Founders, Ryan Yarbrough and Doug Sommerville, have been working together for 20 years. Confluence is the culmination of their ability to build a team skilled in integrating an academic understanding of hydrology, biology and geomorphology with the fundamentals of restoration ecology and construction.



Ryan Yarbrough



Doug Sommerville



Matt Quinn



Kevin Leopold

RYAN YARBROUGH

Principal

Over the last two decades, Ryan has managed numerous successful restoration projects for over a dozen agencies in California. His multi-disciplinary background, with expertise in fisheries biology, ecology, and hydrology, gives him a set of unique tools to offer practical solutions to dynamic problems confronted in long-term habitat restoration projects. As owner/operator of the business he plays an essential role as project manager for all of Confluence's fisheries biology and hydrology work with various consultants and agencies. Ryan is also a Certified Professional in Erosion and Sediment Control (CPESC) and oversees all erosion control aspects of projects.

DOUG SOMMERVILLE

Principal

Starting his career in the Peace Corps as an Aquaculture Program Director, Doug helped to develop a program to educate local populations on natural resource management and fundamentals of water quality. From this experience he brings a unique perspective to habitat restoration work and natural resource management. Doug has extensive local native plant knowledge and expertise with irrigation system design and maintenance. He maintains close control of project oversight and business administration as well as field equipment operations and logistics to maintain the high standards of excellence Confluence is known for. Doug is a qualified pesticide applicator and performs all chemical weed control activities.

MATT QUINN

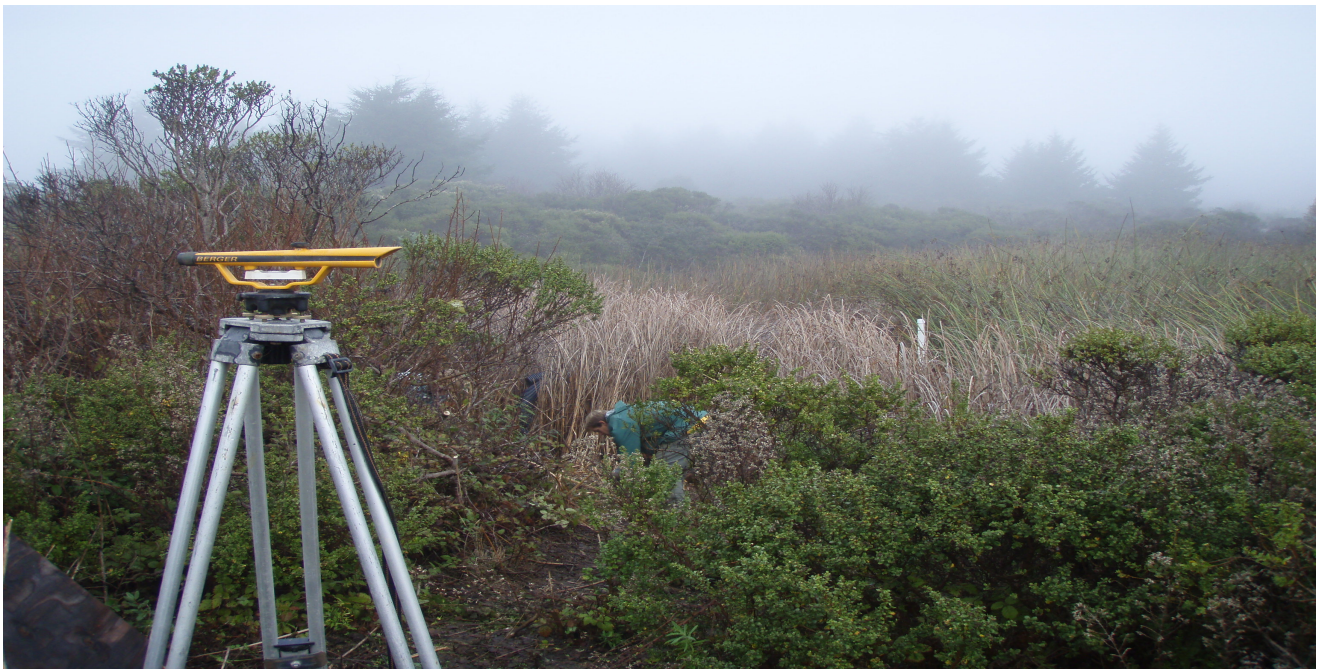
Senior Restoration Ecologist

Matt has been working regionally as a consulting restoration and soil ecologist for both public and private sector clients for over 20 years. Matt has extensive project management experience leading multidisciplinary teams, as well as technical expertise gained from managing and working on over 200 projects. He has worked in riparian, seasonal and perennial wetland, oak woodland, native and nonnative grassland, coastal sage scrub, chaparral, and arid desert habitats. His technical expertise includes initial site and impact assessments, conceptual restoration design, detailed plans and specifications, construction monitoring, preparation of biological as-built reports, and long-term monitoring and reporting. Matt is also a licensed, bonded and insured general contractor.

KEVIN LEOPOLD

Project Foreman

Kevin began working with Confluence in 2008 as a field technician and has always shown a thirst for knowledge and a desire to find the most efficient solutions. Kevin's ability to communicate effectively with those around him, along with his creative and technical skills, make him an irreplaceable asset for the Confluence team. Over the last 15 years he has installed and maintained landscape projects for countless private residences, several universities, and many public agencies. Kevin remains motivated by the ability to apply his technical science background to the study and protection of our natural resources.



CLIENT REFERENCES

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CURRENT AND FORMER CLIENTS

Caltrans
 Santa Clara Valley Transit Authority
 Santa Clara Valley Habitat Agency
 Santa Clara Valley Water District
 Santa Clara Parks & Recreation
 Santa Clara County Roads & Airport
 University of California Santa Cruz

City of Santa Cruz
 County of Santa Cruz
 County of Alameda
 County of Monterey
 RCD/NRCS Santa Cruz County
 RCD/NRCS Alameda County
 RCD San Mateo County
 City of Atherton

City of Burlingame
 City of San Jose
 City of San Mateo
 Midpeninsula Regional Open Space
 District
 Veterans Affairs
 West Valley Mission Community College
 Google

CITY OF SAN JOSE-Mitigation Monitoring, Maintenance, and Reporting (2013-present).
 Confluence actively manages mitigation sites for various parks and trail projects in the City of San Jose. Over the 10-year period, Confluence will provide the Parks Department restoration services including adaptive management strategies, invasive plant identification and control, native plant cultivation, layout and maintenance, irrigation system design, implementation, and maintenance.



SANTA CLARA COUNTY ROADS & AIRPORTS- Isabel Creek Habitat Restoration (2019-2023)
 As mitigation for a bridge replacement project located in a known sensitive habitat in rural Santa Clara County, Confluence constructed new seasonal wetland and oak woodland habitat. Through wildfire and a global pandemic, our team was able to establish both habitat features within the 3-year establishment maintenance period.



SANTA CLARA VALLEY HABITAT AGENCY - San Felipe Creek Restoration (2022-present)
 Confluence was engaged by the Santa Clara Valley Habitat Agency to help revitalize a struggling wetland and riparian project, steering it towards the fulfillment of long-term habitat establishment objectives. Our efforts included extensive replanting, retrofitting and repairing the irrigation system, and implementing large-scale weed control measures.



VALLEY WATER- Coyote Ceanothus Experimental Restoration (2014-present)
 Confluence is working directly with Valley Water's Senior Botanist to create a new population of the endangered Coyote Ceanothus (*Ceanothus ferrisae*). Confluence designed and constructed an irrigation system, applied seed and installed container plantings, controlled weeds and has maintained the site for the past 10 years. These efforts have resulted in an establishing population of this endangered species.



ARROYO DE LA LAGUNA RESTORATION PROJECT Sunol, CA (2013-2021)

Working for the Alameda RCD and initially under 4M Contracting, Confluence installed hundred of contract grown plants along with hundreds of willow cutting and willow fascine. Though frequently inundated during winter storms this site has continued to thrive year after year.



VETERANS AFFAIRS - Alameda Point Marsh/Wetland Restoration (2021-2023)
Confluence spearheaded the execution of an expansive salt marsh enhancement project, playing a pivotal role in every phase. Our involvement began with site preparation, incorporating creative measures to control invasive weeds including large scale soil solarization, complemented by manual removal. The installation of thousands of wetland plants and construction of a temporary irrigation system, strategically implemented to support the initial establishment.



SANTA CLARA VALLEY HABITAT AGENCY– Calero Wetland Restoration (2016-Present)

Focused on improving habitat for the California Tiger Salamander and California Red-legged Frog, we have implemented a multifaceted approach aimed at fostering a conducive environment for these endangered species. The core components of our project include installing native plants, meticulous weed control, predator control, and maintaining infrastructure, which are crucial water sources for sustaining the wetland ecosystem.



SAN FRANCISCO RECREATION & PARKS- Sharp Park Habitat Restoration Project (2020-2023).
The primary objective of this project was to restore one-acre of coastal scrub habitat for the San Francisco garter snake and California Red Legged frog. The restoration was accomplished with the removal of noxious and invasive weeds, broadcast seeding, container plant installation and 3 years of establishment maintenance.

