

Technical Support for Transitioning to Climate-Friendly Agriculture:

The North Coast Soil Hub & Carbon Farming Network

Emilie Winfield
North Coast Regional Soil Hub Director
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Resource Conservation Districts: Focused on Community & Natural Resources



Balancing human well-being
and environmental stewardship

Addressing the natural
resource issues facing our
community

Providing technical assistance
on the ground



RCD Program Offerings



What We Do



Habitat Restoration



Water and Soil Health



Education and Outreach



Agricultural Water Conservation



Wildfire Preparedness

Forest Health

We support our current forest land stewards with coordination, planning, on-the-ground projects, and education. The goal is forests that support communities and wildlife, which we can achieve by enhancing their carbon sequestration and reducing extreme fire behavior.

[LEARN MORE](#)

Agriculture

We help farmers, ranchers and landowners evaluate and plan irrigation and explore carbon farming. We offer plans for testing soil health, evaluate habitats and helps land managers meet their natural resource management goals while supporting productive lands and thriving streams.

[LEARN MORE](#)

Streams & Habitats

From fish monitoring to monarch habitat restoration, we work closely with land managers to make sure there is space for wildlife to eat, hide, reproduce, move, and rest in Napa County.

[LEARN MO](#)

Youth & Community

People are then number one asset to building a more resilient and sustainable future. We work with many members of the community to provide opportunities for residents to connect with, understand, and steward



Wildlife

San Mateo County is a hotspot of biological diversity and home to over 40 species of plants and animals at risk of becoming extinct. Our work helps give them a fighting chance.



Water

Water is one of the most significant forces shaping the future of California. We help ensure clean and reliable water in San Mateo County for fish, farms, and people who share the precious resource.



Climate

We work to reduce greenhouse gas emissions, remove greenhouse gases from the atmosphere, and prepare our community and wildlife habitat for resilience to extreme weather.



Agriculture

Agriculture is at the heart of coastal San Mateo County. Our services to farmers and ranchers help ensure viable local agriculture while also helping agriculture to be of service to the environment.



Fire

Wildfires are a serious threat in our region. We work with communities to reduce the risk of catastrophic fire, improve forest health, and heal the land after fire does occur.



OUR WORK

Aquatic Invasive Species Program

Fire Adapted Communities Program

Restoration & Land Management Program

Stormwater Program

Environmental Services Program

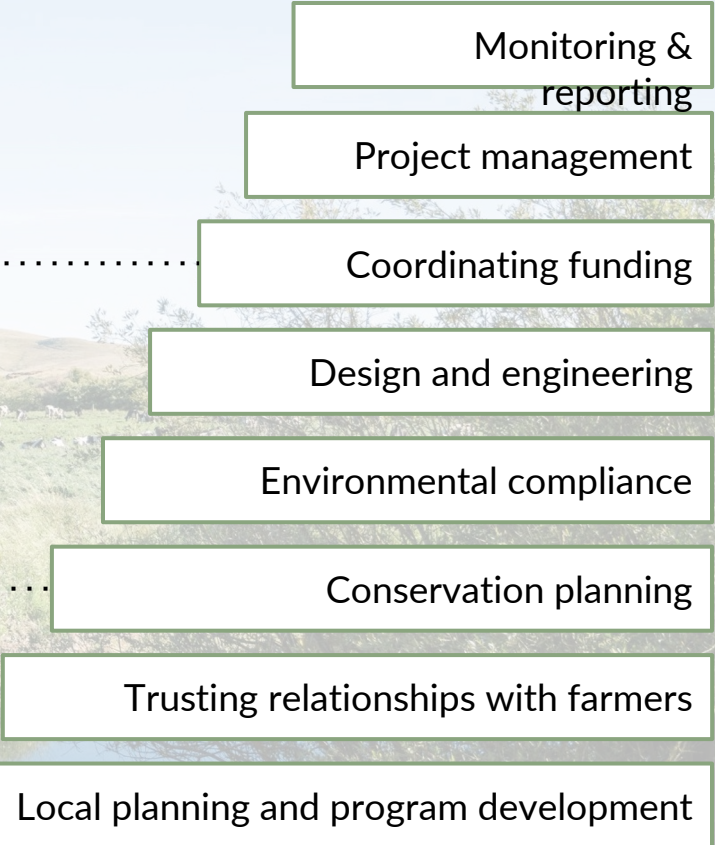
Technical Assistance

Example Project: Riparian restoration on an 1,800-ft stretch of creek on a family dairy in Sonoma County

RCD leveraged funding from CDFA Healthy Soils Demonstration Project, NRCS Environmental Quality Incentives Program, State Coastal Conservancy, Wildlife Conservation Board, and Organic Valley

RCD developed a carbon farm plan with the landowner and partnered with NRCS on a Comprehensive Nutrient Management Plan

RCD has worked with the landowner for almost 20 years





North Coast Soil Hub & Carbon Farming Network

A collaboration between RCDs, USDA Natural Resources Conservation Service and partners in Humboldt, Lake, Marin, Mendocino, Napa, and Sonoma Counties.

We coordinate an inclusive network of farmers and ranchers, technical assistance providers, researchers, educators, and industry representatives dedicated to advancing climate-friendly agriculture in California's North Coast region.

North Coast Soil Hub: Community-Driven

Rooted in the unique opportunities and challenges of the region



Through partnerships and collaboration, we seek to promote stewardship of agricultural lands in a way that supports the social, economic, and geographic diversity of farmers and ranchers on the North Coast.

Core Regional Hub Activities



ADVISE Provide trusted one-on-one guidance to farmers and ranchers as they seek to make environmentally friendly decisions.

LEARN & INSPIRE Host workshops and trainings that facilitate hands-on learning about climate-friendly agriculture, with an emphasis on peer to peer learning.



STUDY, ASSESS & MONITOR Bring research onto farms to accelerate the development of practical and effective solutions.

Local Demand for Climate-Friendly Agriculture: Carbon Farm Planning

			Modeled	
	# Carbon Farm Plans	# Acres	GHG benefits per year (Mg CO2e/yr)	20 year GHG benefits (Mg CO2e @ 20 yr)
Completed	93	25,969	52,365	1,055,274
In Progress	77	18,469		
Total	170	44,438		
Equivalent # of vehicles off the road each year:			11,388	229,501

Producers on the waitlist for a carbon farm plan: 75+

Regional Hubs Leverage and Expand Existing Agricultural Conservation Partnerships and Programs To:



Foster innovation and development of regionally appropriate farmer-centered solutions



Enable greater communication between and among producers, and agricultural conservation organizations, researchers, and policymakers



Assess regionally-specific opportunities and needs through understanding agricultural, ecological, and social landscapes



Collectively shape agricultural conservation programs and policies to support farmer-centered strategies

Thank You

Emilie Winfield

emilie@marinrcd.org

SoilHub.org

