

Williams Ecological Assessments and Planning

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Andrea Williams, Mastermind

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Experience

- Invasive plant management - 20 years
- Rare plant monitoring – 20 years
- Pre-project surveys, species- and community-based monitoring - 20 years
- Meeting and process planning and facilitation - 30 years
- Science-based biodiversity and vegetation management - 20 years
- Protocol and planning document preparation - 20 years
- Designing and teaching workshops and trainings – 15 years

Certifications and Recent Trainings

- Consulting Botanist, 2019 (California Native Plant Society)
- Public Issues and Conflict Management/Navigating in Rough Seas/Meeting Planning, Facilitation, and Management, 2018 (National Oceanic and Atmospheric Administration)
- Asset Management Planning, 2018 (Institute of Public Works Engineering Australasia)

WEAP specializes in facilitating collaborative processes that create beneficial outcomes for natural resource management. Examples include the following:

Rare Plant Inventory

Marin Water's rare plant inventory hadn't been updated in nearly 30 years. Compiling several seasons of field work into a clear document with objective local status, trend, and management information allowed prioritization of limited resources to where they could have the greatest impact.

California Native Seed Strategy

What is needed to address California's growing need for suitable native plant seed and related aspects of ecological restoration? Coordinating California Native Plant Society and federal and state agency staff, with input from researchers and practitioners, Andrea helped craft a clear but comprehensive strategy that addressed all aspects of seed-based restoration in California's diverse landscapes.

Invasive Plant Early Detection

What are the priority invasive plants and places in Bay Area National Parks? Andrea worked with vegetation specialists from Golden Gate National Recreation Area, Point Reyes National Seashore, and Pinnacles National Monument (now Pinnacles National Park) through a years-long meeting, editing, and testing process to create a comprehensive, documented process to prioritize species and areas for searching and levels of mapping required for a thorough invasive species early detection program.

Peak Health Report

How do you measure the health of a mountain? In 2015, One Tam member organizations set out to answer that question. Andrea served on the Technical Advisory Committee and as main author for several vegetation chapters of the final report; helped facilitate staff and expert stakeholder meetings to review indicators, thresholds, status and trends for ecological land health on Mount Tamalpais, Marin County, California. Also reviewed and revised the 2023 Open Canopy Oak Woodlands chapter.

In addition to longer processes, WEAP can also provide short workshops and trainings. Examples include the following:

["California OakWatch: Tracking oak regeneration in the California Floristic Province."](#) 2023. CNPS Channel Islands Chapter.

Instructor, ["Identifying and Appreciating the Native and Naturalized Grasses of California."](#) 2015, 2016, 2017, 2018, 2019, 2023. California Native Grasslands Association.

["Wildflowers of the Bay Area."](#) 2022. Peninsula Open Space Trust.

Williams, A. 2021. ["All Things to All People: Opportunities to Deliver on the Promise of 30x30 and 'Nature-Based Solutions'"](#) (Presentation begins at 46:34). Cal-IPC Symposium.

Coordinator/Convener, [Protecting California's Diversity: Genetic Considerations for Native Planting and Restoration.](#) 2020. CNPS.

Williams, A., Kesel, R., Klein, J., Farrell, S., Edson, E., and O'Herron, M., 2018. "Measuring the health of a mountain: Vegetation indicators for ecosystem health of Mt. Tamalpais." CNPS Symposium and Marin CNPS.

Williams, A. 2018. "Living in simpler times: Extirpated and locally rare plants around Mt. Tamalpais, Marin County." CNPS Symposium.

Instructor and curriculum designer, ["Apps and Snaps: Smartphone, camera, and online technology for grassland plant mapping, tracking, and identification."](#) 2017. CNGA.

Instructor, "Strategic Approaches" in "Weeds 101." 2016, 2017, 2018. Cal-IPC.

Williams, A., Young, A., Gosliner, T., Klein, J. and S. Whelan. 2017. ["Species lost, found and on the edge of gone on Mt. Tamalpais."](#) Northern California Botanists Symposium.

Williams, A. 2016. ["Can we successfully manage weeds on a landscape scale without herbicides? Lessons learned 10 years into MMWD's zero-use Vegetation Management Program."](#) Cal-IPC Symposium.

Williams, A. Sagues, M. Klein, J., and E. Gunnison. 2016. ["Square pupils: Goats as alternative fuel and weed reduction workers."](#) Cal-IPC Symposium.

Instructor and curriculum designer, "Field Techniques for Recording and Reporting Invasive Plants." 2009-10. Bay Area Early Detection Network and Cal-IPC.

Seeing the big picture and the details

WEAP can design prioritized, flexible, outcome-driven natural resource management work. By helping you focus in on what matters most, set measurable goals, and track meaningful metrics, WEAP can help you chart your path to successful land management.

