

CURRICULUM VITAE

TIMOTHY PAUL KRANTZ

Environmental Studies Program

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EDUCATION

Ph.D. Department of Geography, University of California at Berkeley, 1994.

M.A., Latin American Studies, Stanford University, 1991.

B.A., University of Redlands, California, 1977.

PROFESSIONAL EXPERIENCE

- 1997-2009 Full Professor and Chairman of the Environmental Studies Program, Chairman of the Latin American Studies Program (AY2006-2008), University of Redlands; First Director of the Redlands Institute for Environmental Design, Management, and Policy (previously Center for Environmental Management); Program Director for the Salton Sea Database Program, a \$4.7 million federal grant assistance program. Dr. Krantz served on the Salton Sea Science Subcommittee for seven years, established under the authority of Secretary of Interior Bruce Babbitt.
- 1995-1997 Senior Associate Scientist, Levine-Fricke, an environmental engineering firm specializing in hazardous waste remediation. Dr. Krantz developed and managed the Ecological Services Division for the nationwide firm; supervising ecological remediation and restoration programs.
- 1979-1995 Environmental consultant, sole proprietor of Bio-Tech, an environmental analysis and planning consultant firm in California specializing in endangered species conflict resolution, mitigation and recovery programs.
- 1983-1988 Member and Vice-Chairman of the San Bernardino County Planning Commission, representing the First Supervisorial District (largest district in the largest county in the U.S.!).
- 1986-1987 Senior Ecologist, Michael Brandman Associates, a major environmental consulting firm in Santa Ana, California.

Areas of Expertise

- National Environmental Policy Act/California Environmental Quality Act Compliance–Dr. Krantz has prepared more than 150 NEPA/CEQA documents; teaches Environmental Impact Assessment classes at the University of Redlands; and has consulted on hundreds of applications for a very wide range of projects.
- Clean Water Act Compliance–Dr. Krantz has performed and supervised numerous formal wetlands delineations and jurisdictional determinations for projects dealing with Section 400 CWA permit applications; has served as an expert witness in Federal court on Section 400 issues.
- Endangered Species Act Compliance–Dr. Krantz is a recognized authority on endangered plant and animal species, with particular regional expertise in the Southwestern United States and Hawaii. He has authored or been cited as an authority on 15 petitions to list endangered or threatened plant species; and has consulted on numerous Section 7 and Section 10 consultations under the Federal ESA.
- Habitat Restoration–Dr. Krantz has designed and supervised several highly acclaimed ecological restoration projects; most notably the Arrowhead Marsh at the Martin Luther King East Bay Regional Park (Oakland, California), Oro Loma Marsh (San Leandro, California), Pier 98 Saltmarsh (San Francisco, California), and Goleta Slough (Santa Barbara, California).
- Regional Preserve Systems and Wildlife Corridor Design–Dr. Krantz is the founder of the Big Bear Regional Preserve System, a California Critical Area of The Nature Conservancy, incorporating 16 different preserve areas under private, federal and state jurisdictions; preserve assembly utilized fee title acquisitions, Forest Service land exchanges, conservation easements, transfer of development rights, private owner management agreements and other conservation mechanisms; founder and principal landscape planner for the “Calimesa Vision”, a 2,000+-acre habitat corridor connecting the San Timoteo Canyon and Wildwood Canyon State Park Units through the City of Calimesa; Wilson Creek Corridor, working with the Dangermond Group and the Endangered Habitats League, established implementation goals and mechanisms for preserve assembly under the auspices of the Riverside County Multiple Species Habitat Conservation Plan; City of Redlands Emerald Necklace, worked on corridor delineation, route selection, and parcel configuration through a grant between the City and the Redlands Institute, establishing the first major private land contributions to the Emerald Necklace Program.
- Land Trust Management–Dr. Krantz founded the Friends of Big Bear Valley Preserve, a 501(c)3 land trust; and is the Chairman of the Crafton Hills Open Space Conservancy, under whose leadership the land trust has grown from assets of \$10,000 to over \$2,000,000.

- Expert Witness Representation—Dr. Krantz has served as an expert witness on several federal and state endangered species and wetlands-related cases, two of which were settled in favor of the plaintiffs for whom he testified, one of which was suspended due to defendant passing away before hearing, and another before the State Water Resources Board regarding the Salton Sea restoration planning efforts.
- Public Hearing Representation—Dr. Krantz has testified before hundreds of local agency, state, and congressional hearings, representing a wide array of interests ranging from development and environmental advocacy groups, private constituents, and other interested parties.
- Local Agency Representation—Dr. Krantz has worked closely with the City Councils of Redlands, Yucaipa, Calimesa, Colton, San Bernardino, Big Bear Lake, the counties of Riverside and San Bernardino, Coachella Valley Association of Governments, and other local boards and planning commissions for more than twenty-five years; and has developed a reputation for being a pragmatist who can work with both developers and environmental organizations to achieve reasonable compromises and better-designed projects as a result of his mediations.
- Botanical Expertise—Dr. Krantz is widely recognized as one of the leading authorities on the botany of Southern California, with particular authority on the flora of the San Bernardino Mountains and California deserts; he has helped design and implement several innovative landscape programs for large-scale development projects (Chapman Ranch, Summerwind Ranch, East Branch Extension, *et alus*) incorporating native and drought-tolerant plantings and natural slope restoration (topsoil salvage and redistribution) for multiple benefits for wildlife, fuel modification and fire protection.
- Biological Expertise—Dr. Krantz has conducted and directed hundreds of biological investigations and surveys for development applications, designing numerous successful biological mitigation and monitoring programs for a wide array of species, including bald eagles, clapper rails, tiger salamanders, red-legged frogs, unarmored three-spined sticklebacks (fish), salt marsh harvest mice, and many other special status species.
- International Experience—Dr. Krantz has worked extensively abroad on projects in Central and South America, French Polynesia, Indonesia, Southeast Asia and Europe; he was one of 10 U.S. delegates to Austria in the first George C. Marshall Visit to Austria program in Vienna, October, 2008, and was one of four U.S. delegates at the Trans-Atlantic Research and Development Interchange on Sustainability (TARDIS) in Seggau, AT, October, 2009. Dr. Krantz is centrally-involved in the California-Austria Environmental Technology Exchange Agreement—a Memorandum of Understanding signed by California Secretary of Resources, Michael Chrisman, and Secretary of Environmental Protection Agency, Linda Adams, on behalf of Governor Arnold Schwarzenegger, and by Minister of Lebensministerium, Josef Pröll, on behalf of the Chancellor Gusenbauer of Austria on 16 Mai 2008.