

Work experience

2014 to present	Position	Principal, G. Karras Consulting / Community Energy reSource
	Description	Independent consulting for infrastructure project intervention, climate and health protection pathway, and systemic energy transition science.
1984 to 2020	Position	Senior Scientist
	Employer	Communities for a Better Environment (CBE)
	Description	Lead research in environmental pollution documentation and prevention projects—San Francisco Bay Area focus. Assistance to Executive Director, staff, members and Board in program plans and development. Lead responsibility for implementation, budget and coordination of staff in assigned campaigns and projects (1994–2000). Litigation assistance as expert witness. Shared responsibility to develop science as a tool for community organizing (1997–2020). Research Associate (1984–1993).
1982 to 1984	Position	Research Associate
	Employer	Calif. Environmental Intern Program/Citizens for a Better Environment
	Description	Research, advocacy, and public education and fund raising supporting leak detection, clean up, and prevention program for underground chemical storage tanks in Los Angeles County.
1976 and 1977	Position	Student Assistant
	Employer	California Air Resources Board
	Description	Air pollution surveillance field sampling, laboratory analysis, and reporting of results for air quality predictions and alerts in South Coast Air Basin. Summers.

Other relevant experience

Member, American Association for the Advancement of Science.
Member, American Chemical Society.
Member, Refinery Action Collaborative. 2012–2016.
Co-chair, San Francisco Alternative Energy Plan Load Forecasting and Power Flow Analysis and DSM–DG working groups. 2002–2004.
Member, Monitoring and TMDL Public Advisory Group to the California Water Resources Control Board. 2000.
Chair, Health Committee, CARAT Team established by the Coalition of Black Trade Unionists, Northern California Chapter. 1998–2000.
Co-organizer with staff, S.F. Bay Water Board and Zero Dioxin Alliance, national science symposia on dioxins. 1997.
Board Member, Silicon Valley Pollution Prevention Center (alternate). ca 1994–1996.
Member, Study Design Committee, Contaminant Levels in Fish Tissue from San Francisco Bay Pilot Study. 1992–1993.
Board Member, Aquatic Habitat Institute (now known as The San Francisco Estuary Institute). ca 1988–1990.

Education

Bachelor of Arts in Biology, 1979
University of California, Santa Cruz
Honors Conferred

References on request