

Sarah Raker, PG, CHG, a Senior Principal Geologist with MACTEC Engineering and Consulting, Inc., has been performing hydrogeologic and environmental investigations since 1979. She has conducted hydrogeologic investigations at a variety of geologic settings. She has managed numerous environmental investigation and remediation projects for sites impacted by solvents, petroleum hydrocarbons, pesticides, and metals. Ms. Raker has written or contributed to numerous technical and regulatory reports for clients and for submittal to federal, state, and local regulatory agencies. She has completed projects in California, Nevada, and Wyoming. Her project work has focused on regulatory oversight for groundwater and soil cleanup at federal facilities; groundwater basin planning for state agency; remedial investigations at federal and state Superfund sites; hydrogeologic evaluation of numerous contaminated industrial sites; negotiations with state and federal regulatory agencies for site cleanup; underground storage tank (UST) site investigation, remediation, and site closure; evaluation of beneficial uses of groundwater for mining industry; and litigation support for multiple party disputes dealing with source identification, contaminant transport, and cost recovery. She revised the San Francisco Bay Water Quality Control Plan to include current regulations, water quality objectives, and updated groundwater basin boundaries. She has given presentations at public meetings and has participated in numerous professional symposia through the Groundwater Resources Association of California.

I have served as Board member since 2004 and was Co-chair for the Event Planning Committee from 2004 to 2006; active member of the Education Committee 2007 to 2008; and Co-chair for the Membership and Finance Committees in 2009. During that time, I worked with other committee members to prepare a comprehensive planning guidance manual to help planning committee members and GRA staff with initiating, planning, and implementing GRA events. The manual provides examples of all the tasks needed to put on a GRA event.

As a current Board member, I would like to continue to work with other Board members to develop and implement high quality symposia, workshops, and annual meetings for GRA members and the public. My recent interest has been helping the Finance Committee evaluate GRA's income and expenses and find ways to meet the challenges of reduced revenue associated with the recent economic downturn. GRA continues to provide excellent education and networking opportunities for groundwater professionals, businesses, public agencies, and the community through its events. It has been very rewarding for me to work with GRA staff and committee members and I enjoy the learning experience.

In addition to participating in quarterly Board meetings, here are examples of experience I bring to the GRA Board from work on committees since 2004:

1. Co-chair and moderator for Investigation and Remediation of Dry Cleaner Release Sites (April 7, 2004 and November 10, 2004)
2. Co-chair and moderator for Arsenic in Groundwater – Impacts on a Critical Resource (October 18-19, 2004)

3. Moderator for Artificial Recharge: Nexus of Quantity and Quality in California (March 16-17, 2005)
4. Committee member and Moderator for 25th Biennial Groundwater Conference and 14th Annual GRA Meeting - Past Lessons and Future Prospects (October 25-26, 2005)
5. Co-chair and moderators for DNAPL Source Zone Characterization and Remediation (December 7-8, 2005)
6. Co-chair and moderator for Nitrate in California's Groundwater: Are We Making Progress? (April 4-5, 2006)
7. Co-chair and moderator for 15th Annual Meeting and Conference Assessment, Use, and Management of Groundwater in Areas of Limited Supply (September 21-22, 2006)
8. Co-chair and moderator: Nitrate in California's Groundwater: Are We Making Progress?, 2006
9. Planning Committee and moderator: 26th Biennial Groundwater Conference & 16th Groundwater Resources Association Annual Meeting, "California's Water Future: Expanding the Role of Groundwater", GRA 2007
10. Co-chair and moderator: DNAPL-2 "Source Zone Characterization and Remediation", GRA 2007
11. Moderator, 17th Annual Conference & Meeting, GROUNDWATER: Challenges to Meeting Our Future Needs, September 25-26, 2008
12. Moderator, 27<sup>th</sup> Biennial Groundwater Conference & 18th Annual Meeting, Water Crisis and Uncertainty: Shaping Groundwater's Future, October 6 and 7, 2009

As expressed in my nomination package for 2004, I bring several skills to GRA's Board, including problem solving, experience as a State regulator, and great interest in the field of hydrogeology. As a Board member since 2004, I have gained an understanding of how the GRA organization functions through its volunteers and professional staff, how its members have come to rely on GRA's presentation of critical and informative issues through its events, HydroVision, and website, and how important it is to continue to work on these programs in the future. I would like to continue to bring my experience with GRA to the Board.

I will continue to participate in quarterly Board meetings and strategic planning, including the Membership and Finance Committees. MACTEC generously supports my participation in these activities and encourages my active role as a GRA member and Director.

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