



Specialties:

- site investigation and remediation
- groundwater assessment and remediation
- sediment assessment and remediation

Education:

B.S., Geology, Kent State University, Kent, Ohio, 1988

Professional Registration

Oregon, Registered Professional Geologist, RPG#1829

Washington, Licensed Geologist, # 694

Idaho, Registered Professional Geologist, PG # 990

CAREER SUMMARY

Mr. Ragain, a principal geologist based in Oregon, has more than 20 years of experience providing hydrogeologic and environmental consulting services to both private industry clients and governmental agencies.

Mr. Ragain leads soil and groundwater characterization studies under both the federal CERCLA and RCRA and State programs throughout the western United States. He also manages the closure and reuse of contaminated properties formerly used in aerospace, forest products, agricultural, chemical, manufacturing/storage, and other industries. He routinely provides technical support and analyses to attorneys on complex environmental and groundwater issues related to property development, insurance cost recovery, and land use planning. He manages the design and implementation of a wide range of remediation systems utilizing a variety of cleanup technologies for groundwater and soil.

Representative of his completed and ongoing assignments, Mr. Ragain provided environmental consulting services to a west coast tug and barge company and to their outside counsel on matters related to their responsible party status in the Portland Harbor Superfund Site (PHSS). On behalf of his clients, he monitored restoration activities performed by others both within the PHSS boundary and at sites proximate to his clients' two sites of interest. Specific technical activities included the performance of a contributing source investigation identifying potential sources of sediment contamination near the sites and identifying potentially responsible parties that may have contributed to contamination in sediment near his clients' sites. He also developed conceptual site models for both sites to evaluate if, and to what extent, contaminants can migrate from the sites to the Willamette River.

In addition to his consulting practice, Mr. Ragain routinely presents his environmental and water resources restoration work in peer reviewed journals and at technical conferences across the United States. He is a member of the Association of Groundwater Scientists and Engineers.