

Client Name

Environmental Project Scientist & Planner Profile

Accomplished and detail-oriented professional with extensive expertise in water quality management and environmental project oversight that align with ecological and community goals while navigating complex regulatory landscapes. Proven track record of ensuring regulatory compliance and delivering high client satisfaction through adept coordination of multidisciplinary teams. Excel in conducting thorough water quality data analysis and providing strategic recommendations for operational improvements to demonstrate a strong commitment to environmental stewardship. Skilled in supervising field staff under challenging conditions, maintaining exceptional data quality standards, and leveraging interdisciplinary knowledge to conduct hydrogeologic assessments.

Areas of Expertise

- Data Science & Statistical Analysis
- Environmental Impact Assessment
- Hydrology/Hydrogeology/Geology
- Site Characterization & Remediation
- Water & Wastewater Treatment
- GIS Mapping & Analysis
- Water Distribution System Design
- Hydrogeologic Assessments
- Project Management
- Regulatory Compliance
- Environmental Planning
- Water Quality Management

Professional Experience

Waimea Water Services, LLC, Kamuela, Hawaii
Partner/Project Manager

2018 – Present

Conduct regular reporting of water quality survey results to clients and regulatory agencies, incorporating statistical and time series analysis, nutrient input calculations from various sources, ecological modeling, and conditions of anchialine pools. Oversee operation, maintenance, and troubleshooting of a 1 MGD RO membrane system at the Kona Village Resort, conducting microscopic examinations to pinpoint causes of membrane fouling and optimize reservoir productivity, while also supporting the design of water supply systems for irrigation and potable use. Maintain treatment systems and perform chloride monitoring and troubleshooting for both potable and non-potable water systems sourced from the historic Bond Tunnel at the Kohala Center's Iole Stewardship Center. Undertake chemical and microscopic analysis to identify causes of turbidity and algae blooms in marine and surface waters. Execute chemical analyses critical for development of new potable and non-potable water sources.

- Utilized GIS for mapping and analysis in well siting, catchment design, hydrologic assessments, and nutrient monitoring data evaluation.
- Directed invertebrate and macrofauna biological surveys in marine and surface waters, involving SCUBA diving to gather essential ecological data.
- Provided expert advice to the County of Hawaii's legal counsel in the Hui Malama Honokohau v. County of Hawaii case, delivering crucial testimony regarding the functional equivalence of the Kealakehe WWTP discharge under the Clean Water Act.
- Managed six water quality monitoring programs named after "Dr. Richard Brock," achieving high client satisfaction through the supervision and training of field staff, and conducting routine and event-triggered surveys in groundwater, marine, and surface waters for macronutrients and other quality parameters.
- Ensured exceptional data quality and recommended operational adjustments to improve water quality, serving clients, such as The Kona Village Resort, The Waikoloa Resources, The Kohanaiki Shores, North Beach Kaaanapali, Hokulia, and Kukio.
- Conducted hydrologic and hydrogeologic resource evaluations, including siting, design, and permitting of production wells through resource evaluation and alternative source analysis for the restoration of the historic Kohala Ditch.

Myounghee Noh & Associates LLC, Aiea, Hawaii
Environmental Project Manager | Environmental Scientist

2015 – 2017

Orchestrated a diverse array of environmental projects, effectively supervising and training staff on tasks, such as site characterization and remediation, environmental impact assessments, and hazardous material surveys. Provided pivotal support during NAVFAC Planning meetings for the U.S. Marine Corps relocation to Guam, offering expertise for remedial projects at Pearl Harbor Hickam, and contributing to engineering planning meetings for Andersen Air Force Base and the future Camp Blaz. Delivered design support for NAVFAC Joint Intelligence Operations Center at Joint Base Pearl Harbor.

- Excelled in site characterization and conducted comprehensive Phase I, II, and III Environmental Site Assessments across multiple sites in Hawaii, California, and Guam, including detailed soil characterization at Naval Ordnance Annex and Apra Harbor, Guam.
- Developed Environmental Hazard Management Plans and Soil Management Plans, notably for the Lanakila HUD Public Housing project in Hilo, Hawaii.
- Conducted CWA Section 404 dredge material characterization in Hilo Bay, Hawaii, for the U.S. Coast Guard, ensuring compliance and environmental safety.
- Authored and managed all components of Hawaii Environmental Policy Act (HEPA) environmental impact assessments, such as the Aloha Stadium Renovation EA, and the Kapalama Terminal Jet Fuel Line EA, overseeing public scoping, and consulting with agencies and stakeholders.

GK Environmental LLC, Honokaa, Hawaii
 Owner/Environmental Scientist

2006 – Present

Cultivate exemplary reputation to deliver high-quality environmental impact assessments in compliance with the Hawaii Environmental Policy Act (HRS 343), handling projects, such as the Puna Kai Shopping Center Environmental Assessment, Kona Reef Condominium Shoreline Stabilization Project, and the Hilo Forest Reserve Fencing Project. Manage HK Construction Housing Project in Kahaluu, Oahu, addressing complex wetlands issues and navigating significant activist opposition while conducting extensive public and agency consultations (such as Section 106 and Section 7). Oversee environmental compliance for U.S. Coast Guard harbor facilities across Hawaiian Islands of Hawaii, Maui, Oahu, and Kauai.

- Conducted comprehensive Phase I and Phase II Environmental Site Assessments across Hawaii, including detailed Phase I and limited Phase II ESA for the Paauhau Parker Ranch Lands, encompassing a 14-square mile area.
- Applied innovative field techniques to assess shoreline stability and erosion rates, meeting Hawaii County's stringent permitting requirements.
- Employed photogrammetry to accurately measure the historic rate of shoreline erosion, in collaboration with Dr. Jack Lockwood of Geohazard Consultants International.
- Secured Section 401 Water Quality Certification for several key projects, including the Kapoho Waiopae Road Reconstruction, Honokohau Harbor Boat Ramp Rehabilitation, and Kapua Stream Bridge Repair, ensuring adherence to environmental standards and regulations.

Additional Experience

Environmental Planner, Geometrician Associates, LLC, Hilo, Hawaii

Field Engineer/Environmental Scientist, The Kleinfelder Group, Oakland, California

Education

Doctor of Philosophy in Astronomy
 University of Hawaii, Manoa, Institute for Astronomy

Master of Science in Environmental Engineering Sciences (Emphasis: Water, Wastewater, and Stormwater Engineering)
 University of Florida, FL

Master of Science in Astronomy
 University of Hawaii, Manoa, Institute for Astronomy

Bachelor of Science in Physics with Honors
 University of Wisconsin, Madison

Technical Proficiencies

qGIS | Minitab | R | MODFLOW 6/Model Muse 4 | Microsoft Office Suite

Licenses & Certifications

FEIT, State of California