

The Nakupuna Companies deliver environmental solutions to our client's most challenging problems—helping them plan, execute, and manage approaches that are compliant, effective, and provide lasting value to our customers, the environment, and the surrounding community. With decades of experience and trusted processes in place, our staff of engineers, scientists, and technicians is qualified to navigate complex regulations and deliver quality outcomes that address any organization's environmental needs, while increasing efficiency and reducing costs. From investigation and remediation services to munitions response and construction/land reclamation, the Nakupuna Companies are ready to help organizations of any size meet their environmental goals.

SOLVING ENVIRONMENTAL
CHALLENGES WITH
PROVEN, PRACTICAL
APPROACHES EXECUTED BY
DEDICATED, EXPERIENCED
PROFESSIONALS

ENVIRONMENTAL INVESTIGATION & REMEDIATION

- Site characterization
- Environmental investigation
- Development and assessment of remedial alternatives
- Emerging contaminants (PFAS, 1,4-dioxane, etc.) investigation and assessment

- MEC surface and subsurface clearance
- MMRP site investigations, remedial investigations/feasibility studies
- UXO construction support/anomaly avoidance
- Third-party UXO quality assurance
- MC sampling and analysis

MUNITIONS RESPONSE

- Technical, scientific, and administrative support
- NEPA compliance and support/sustainability planning/environmental permitting
- Cultural resources surveys
- Biological surveys/environmental baseline surveys

ENVIRONMENTAL COMPLIANCE SERVICES

- Abandoned mine lands inventory, closure, and reclamation
- Stream/trail restoration
- Water quality and watershed assessment
- Site revegetation

RESTORATION CONSTRUCTION

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CASE STUDIES



Assessing/Remediating Groundwater Contamination at the Former Atlas D Missile Site 4

Readiness activities at the former Department of Defense (DoD) Atlas D Missile Site 4 near Cheyenne, Wyoming, resulted in soil and groundwater contamination that extended nearly 12 miles, reaching a well field that supplies drinking water to the City of Cheyenne. For more than 20 years, the Nakupuna Companies have worked with the US Army Corps of Engineers, Omaha District, to evaluate the complex site geology and hydrogeology around Site 4 to define the nature and extent of contamination and evaluate remediation technologies. Recently, we designed and completed an extensive area-wide remedial investigation covering 92 square miles that involved installing more than 145 groundwater monitoring wells. We also conducted surface seismic and aerial electromagnetic surveys to refine the conceptual site model, and are currently working with the DoD to evaluate remedial technologies to clean the affected groundwater.



Parks & Open Space

Restoration of South St. Vrain Creek Flood Damage

After the flooding in South St. Vrain Creek at Hall Ranch near Lyons, Colorado, the Nakupuna Companies supported Boulder County Parks and Open Space to restore approximately two miles of the creek that had been severely damaged during the flood. Our team graded the main and overflow channels, banks, and floodplain to design elevations, which required constructing a low water crossing on a road to a nearby mine and transporting more than 25,000 cubic yards of excess sediment to the mine for disposal. We conducted migratory bird surveys each week before work began in new areas and installed many in-stream structures to provide fish habitat and reduce future flooding—including 16 riffle structures in addition to pools, rock sills, beaver analogs, and dozens of large woody structures. Once construction was complete, we revegetated 20 acres of floodplain, harvested and transplanted more than 8,000 live willow cuttings, and planted nearly 13,000 woody and wetland herbaceous shrubs and dormant cottonwood.



Removal of Munitions and Explosives of Concern from Residential Areas at the former Waikoloa Maneuver Area, Hawaii

During the build-up to the World War II campaign in the Pacific, the US Army and US Navy conducted extensive training exercises at the Waikoloa Maneuver Area (WMA) on the Island of Hawaii. After the war, most of the Waikoloa property was returned to the private landowners from whom the War Department had leased it. Under the Formerly Used Defense Sites (FUDS) Program, the US Army Corps of Engineers (USACE) is responsible for assessment of and removal of explosive hazard on private land previously impacted by DoD activity. Nakupuna has been contracted by the USACE Huntsville Center, in conjunction with the USACE Honolulu District, to conduct a munitions and explosives of concern (MEC) remedial action from 150 acres near the town of Waimea. The Nakupuna Team has conducted UXO-safety-escorted vegetation removal, and also used advanced geophysical classification (AGC) sensors to identify more than 5,000 targets of interest which required intrusive investigation and potential explosive demolition and disposal.

