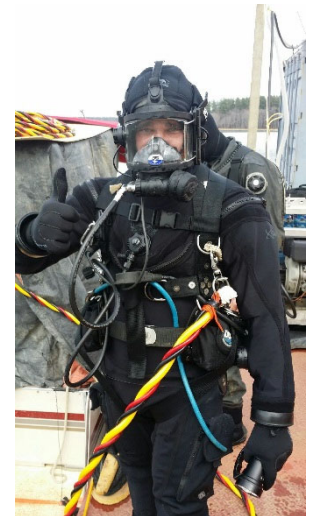




GSI provides fully integrated and cross trained munitions response experts to support all aspects of munitions safety including munitions and explosives of concern (MEC)/unexploded ordnance (UXO) avoidance, escort, and construction support. Our professionals are well versed in all aspects of the CERCLA process, from Preliminary Assessment/Site Inspection through Remedial Design/Removal Action. GSI also specializes in geophysical detection and site preparation to mitigate impacts to construction activities, and maintains an on-site presence to make immediate option determinations if/when a munition is encountered. Our operational range capabilities include planning and engineering, range assessment and clearance, storm water management, cultural/natural resource preservation, facility maintenance, and design-build range improvements/construction.

GSI holds all appropriate Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF) licenses for purchase and use of explosives, and has on staff project management personnel, engineers, scientists, geophysicists, licensed blasters, and over 60 permanent certified UXO personnel. All work performed to date has been executed with **ZERO SAFETY INCIDENTS**.



## SERVICES

- ★ Preliminary Assessment/Site Inspection (PA/SI)
- ★ Remedial Investigation/Feasibility Study (RI/FS)
- ★ Proposed Plan/Record of Decision (PP/ROD)
- ★ Remedial Design/Remedial Action (RD/RA)
- ★ Engineering Evaluation/Cost Assessment (EE/CA)
- ★ Remedy-in-Place/Response Complete (RIP/RC)
- ★ Long-Term Management
- ★ Public Relations Support
- ★ Military Munitions Response Program (MMRP) Services
- ★ Construction Support
- ★ Archaeological, Cultural, and Natural Resource Monitoring
- ★ Explosive Safety Submission/Explosive Siting Plan Preparation (ESS/ESP)
- ★ GIS Support
- ★ Geophysical Mapping/Surveying
- ★ Land and Underwater MEC/UXO Investigations and Removal Actions
- ★ Operational Range Clearance
- ★ Munitions Debris Handling and Disposal

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# MUNITIONS AND RANGE SERVICES

## Representative Projects

### Remedial Action at the Former Cape Poge Little Neck Bomb Target Site

**Role:** Prime Contractor

**Location:** Chappaquiddick Island, MA

**Client:** U.S. Army Engineering and Support Center, Huntsville

**Contract Value:** \$14.2M

**Scope:** MEC, Material Potentially Presenting an Explosive Hazard (MPPEH), and explosives hazards clearance within the Land Munitions Response Site (MRS) and Inland Water MRS at the former Cape Poge Little Neck Bomb Target Site, Martha's Vineyard, Massachusetts.

### PROJECT HIGHLIGHTS

With seasonal restrictions for the threatened and endangered nesting/fledging seasons (October to April), commercial fishing (October to April), and tourist season (June to August) work restrictions, planning was critical to timely mobilization and maintaining project schedule. Despite unusually harsh weather in March and April and finding significantly more items than anticipated, GSI still completed all field work in one season. Over 14,000 anomalies were interrogated, 1,300 MEC items processed through explosive demolition, and 20,000 pounds of MDAS shipped off site for final disposition through smelting.

### MMRP Supplemental Comprehensive Site Evaluation (CSE) Phase II and Desktop RI/FS, PP, DD

**Role:** Prime Contractor

**Location:** Fort Richardson, AK

**Client:** USACE, Omaha District

**Contract Value:** \$1.1M

**Scope:** Wide Area Assessment (WAA), CSE Phase II at three Munitions Response Areas (MRAs) and RI/FS, PP, DD and Land Use Control Implementation Plan (LUCIP) at two MRSs to address UXO, discarded military munitions (DMM), and munitions constituents (MC) in accordance with CERCLA.

### PROJECT HIGHLIGHTS

The project was located within rugged mountainous terrain with limited access. Helicopters were utilized to mobilize to the MRAs since the time that would have been required to access the MRAs on-foot would not have resulted in productive data collection (i.e. round trip to and from one of the MRAs would have been 10 hours). GSI coordinated a right-of-entry with the State of Alaska to obtain permission to land a helicopter where these activities are typically not-allowed. Armed bear guards were utilized for each team in the event aggressive wildlife were encountered.

### CCYPG-35 Muggins Mountain Interim Measures US Army Garrison Yuma Proving Ground

**Role:** Prime Contractor

**Location:** Yuma Proving Ground, AZ

**Client:** USACE, Albuquerque

**Contract Value:** \$3.8M

**Scope:** 70-acre MEC instrument-aided surface clearance; MC sampling, demolition, and MPPEH management; drum investigation; and groundwater well installation with anomaly avoidance and downhole geophysics, well development, sampling, and waste management.

### PROJECT HIGHLIGHTS

GSI was faced with countering hazards from munitions that were very unique and dangerous. GSI coordinated closely with the range operations and explosive safety agencies that control activity on Kofa Firing Range to research in test archives when adequate information on a munition was not available and participated in training and familiarization on the munitions at the project site. During field operations, an artillery round was identified potentially containing Chemical Warfare Materiel (CWM). The GSI team supported the USACE to secure the item and limit access to the work area until the responding CBRNE EOD unit could verify the contents of the item.