

MUNITIONS RESPONSE AND RANGE SERVICES



For over 25 years, Weston has provided safe and efficient solutions for restoring munitions-contaminated properties, ensuring reuse and sustaining active ranges. Our full-service response, tailored to federal, state, and commercial clients, supports military readiness and environmental stewardship with customized solutions.

CUSTOMIZED TO MEET YOUR PROJECT DEMANDS

Weston provides comprehensive munitions response and range solutions tailored to the specific needs of our clients. Our expertise includes developing statistically defensible approaches for remedial investigations and implementing high-capacity sifting plants for large-scale munitions and explosives remediation. We prioritize transparency in project execution, meeting stakeholder expectations through systematic planning, MR-QAPP development, explosives safety documentation, field delivery, and community outreach.

- **Extensive Project Portfolio:** Our projects include performance-based firm fixed price and cost reimbursable contracts at active installations and ranges, FUDS, and installations affected by BRAC decisions. We have completed projects at bombing and gunnery, direct/indirect fire, and small arms ranges as part of regulatory-based inspections, investigations, and remediation for MEC, CWM, and MC.
- **Technology Focus:** Weston, accredited under DoD's Advanced Geophysical Classification Program (DAGCAP), conducts geophysical surveys and AGC services at munitions response sites. AGC technologies allow DoD to focus their resources on identifying military munitions while avoiding the costly removal of non-hazardous scrap metal. Utilizing RespondFast™, our internally developed UXO Investigation platform, electronic records streamline data collection, minimize errors, and expedite results, enabling project teams to make real-time decisions.
- **In-House Resources:** Weston maintains a dedicated team of Project Managers, UXO staff, Geophysicists, Chemists, Risk Assessors, Biologists, and Engineers—who provide technical expertise, excellent safety and quality, and develop relationships with stakeholders to deliver solutions to the most complex challenges.

TECHNICAL CAPABILITIES AND EXPERTISE

- Advanced Geophysical Classification (AGC) accreditation
- MEC characterization, removal, and disposal
- Operational range sustainment and assessment
- Construction support/ anomaly avoidance
- Land Use Control design and implementation
- Underwater munitions detection
- MC assessment/remediation
- Beach replenishment and dredging support
- CBRNE response
- Development of educational awareness material/3R's Safety Program



MEC Remedial Action, Former Camp Croft, Spartanburg, SC. Weston is performing a Remedial Action using AGC to remove munitions and explosives of concern (MEC) from the 1,277-acre Project 7 site located within Croft State Park. Former Camp Croft served as a World War II basic training center and is now ranked on the federal Formerly Used Defense Site (FUDS) priority list. The use of APEX combined with SLAM positioning technology results in precise data collection procedures that enhance quality by reducing data gaps. Weston developed an innovative MR-QAPP, which includes APEX, UltraTEM, MetalMapper 2x2, and MPV to maximize AGC implementation. Planning for the Remedial Action required flexibility to adapt to site challenges so that we could address the needs of land managers and comply with contractually-driven preferences for AGC technology selection. This project involves the first full-scale application of APEX technology in the continental US and is viewed as the benchmark against which future AGC projects should be completed.



Spring Valley Formerly Used Defense Site, Munitions Remedial Action, Washington, DC. The 661-acre site comprised of 90+ residential homes and an American University building, was built on a site used for chemical warfare development and testing during World War II. Weston and the client collaborated with the manufacturers of a Man Portable Vector (MPV) magnetometer, a hand-made technology in short supply with limited real-world applications. We adapted the MPV for rugged conditions, resolved GPS sensor issues, and developed field procedures for dense forest environment. The technology proved effective, meeting all quality control requirements. Working closely with 90+ residential property owners, Weston successfully gained access, negotiated landscape removals and restoration requirements, conducted geophysics, performed digs/removed targets. We surveyed and classified 58,817 AGC anomalies using state-of-the-art advanced geophysical classification within the MPV coverage area and UXO Technicians conducted 2,946 target digs and removals – thus eliminating over 55,871 (95%) of potential target digs.



Hawaii Phase V MMRP Remedial Investigation to Remedial Action, Waikakalaua Ammunition Storage Tunnels, Makua Training Area and Wheeler Army Airfield, Oahu, Hawaii. Weston provided cradle-to-grave services on this performance-based contract including a remedial investigation, feasibility study, proposed plan, decision document, and remedial design/remedial action of four munitions response sites. Designed and implemented a comprehensive, statistically defensible remedial investigation using digital and analog geophysical surveys over 2,000 acres with varying terrain, vegetation, and community stakeholders. The contamination footprint was reduced and 24,000 lbs of non-MD, and 2,300 lbs of MD, were and 700+ MEC items were detonated.

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