



Regulator Perspectives

Underwater UXO: A Look into SERDP and ESTCP's
Current Research Webinar

August 15, 2024



Regulatory Process

- Regulatory process/authority
- EPA/State Oversight
- Offshore complications



Data Quality

- Superfund is a data driven program
- Effective QA/QC critical for stakeholder acceptance
- Clear and specific data quality objectives necessary
- Basis for well-informed data driven decisions



Technology

- Detection
 - Layered approach
 - Sensors
 - Platform
- Classification
- Treatment
 - In-situ
 - Surface





Technology Challenges

- Effect on technology depending on the environment
 - high vs low tidal variation
 - water depth
 - rocky substrate vs sandy vs muddy substrate
 - degree of wave action and substrate mobility
 - munitions mobility in each environment



QA/QC

- IVS/Seeding
- Accreditation
- Reproducibility



Coordination

- Munitions Response Dialogue (MRD)
- SERDP/ESTCP
 - MR Track
 - Underwater Technology Advisory Group
- ITRC – possible Underwater Munitions Team in 2025
- ASTSWMO training
- EPA RPM Workgroup



Challenges Going Forward

- Adequacy of characterization
- Type/quantity of data needed for decision
- Positioning
- QA/QC
- Risk/hazard evaluation
- Treatment methods



Questions?

Doug Maddox, PE

US EPA Federal Facilities Restoration and Reuse Office

maddox.doug@epa.gov

202-669-3321