



Army National Guard Update

National Association of Ordnance Contractors

Scottsdale, Arizona

LTC James C. Crowley
Mr. John B. Haines
ARNG Cleanup & Restoration Branch
Installations & Environment Directorate
11 December 2019



Video

- <https://www.youtube.com/watch?v=IJKcdlj-Uiw>





Agenda

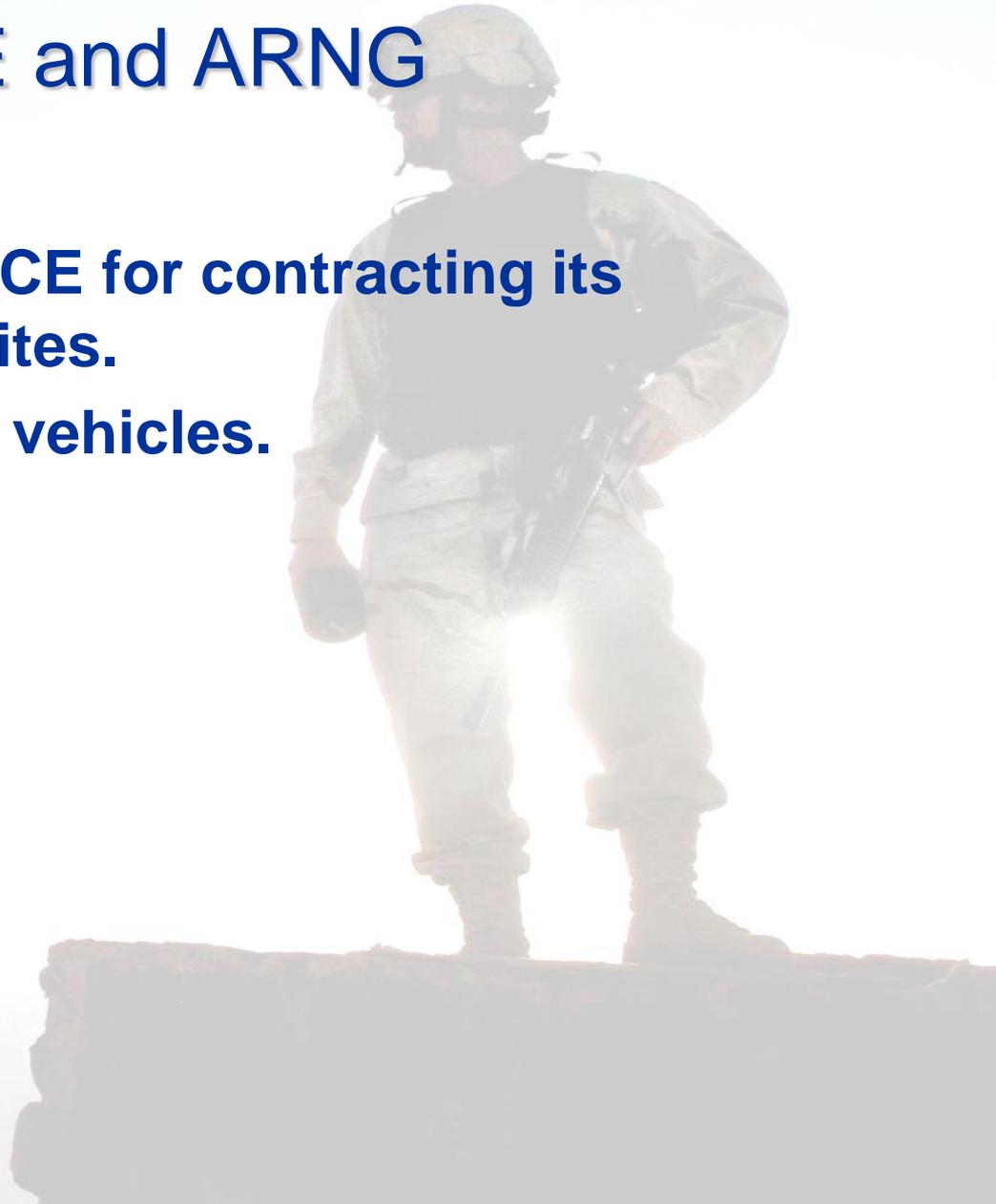
- **Actions at Current and Future Army National Guard Munitions Response Sites**
 - Eastern Region
 - Central Region
 - Western Region
- **Questions and Open Discussion**





USACE and ARNG

- **ARNG utilizes the USACE for contracting its Munitions Response Sites.**
- **MAMMS II and MATOC vehicles.**





USACE and ARNG

- **New Awards in FY19:**
- **Removal Actions (2)**
 - **MPV Investigation in Neighborhoods by Camp George West, Colorado (CO)**
 - **Removal Action, Keystone, California (CA) – Remove MC and MEC – Not yet funded**
- **RI through ROD Sites (6)**
 - **Ft. Tuthill Arizona (AZ); Kaniao Weekend Training Site (WETS) Hawaii (HI); Laurel Hill Training Area Tennessee (TN); Home Guard and Shrewsbury Target Range, Vermont (VT); and Parkersburg Range, West Virginia (WV)**



USACE and ARNG

- **New Awards in FY19 (continued):**

Site Inspections at Five Sites

Stewart River, Alaska (AK); Kimama, Idaho (ID); National Mine Biathlon Range, Michigan (MI); Roseburg Rifle Range, Oregon (OR); and Bennington Range VT;

Seven Sites Closed (NFA) in FY19:

Keil-Fretheim LTA Montana (MT); Manistee Rifle Range MI; Holdrege Rifle Range (RR), Nebraska (NE); Hornell RR, New York (NY); Fairview Maneuver Training Area (TA), Laramie Pistol Range, Upton TA, Wyoming (WY)



Eastern Region

Sites Undergoing Site Inspection

- National Mine Biathlon Range, MI
- Bennington Target Range, VT

Sites Undergoing RI to ROD

- Laurel Hill Training Area, TN
- Home Guard Range, VT
- Shrewsbury Target Range, VT
- Parkersburg Range, WV

Sites Undergoing Remedial Action

- Bircham Bend Range, Massachusetts (MA)
- Mount Gretna, Pennsylvania (PA)
- Northfield Target Range, VT

Sites moving toward Record of Decision

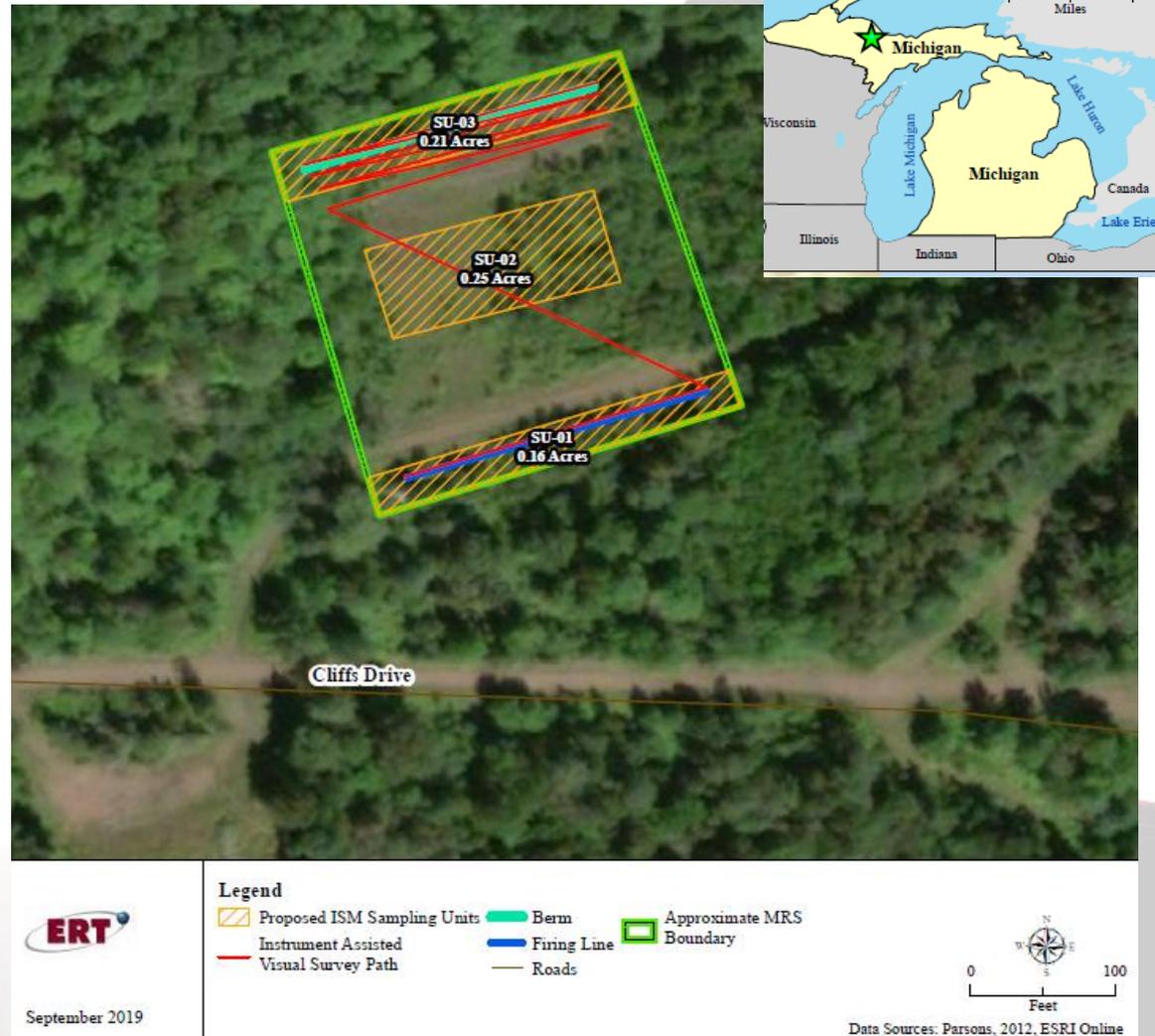
- Frankfort Dump Site, Kentucky (KY)
- Rumford Rifle Range, Rhode Island (RI)





National Mine Biathlon Range, MI

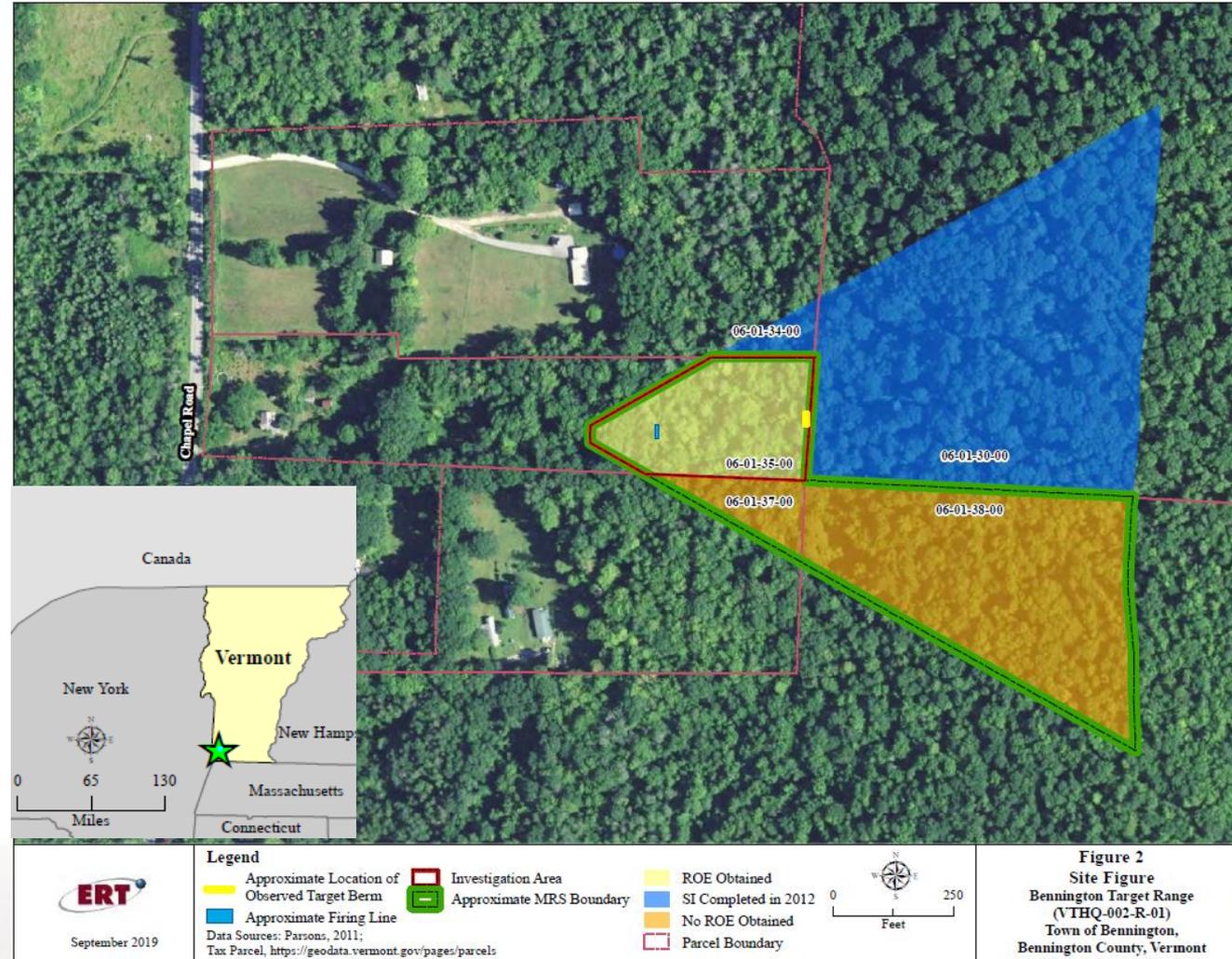
- National Mine Biathlon Range MRS (MIHQ-15-R-01) is one acre and is undergoing a SI. ROE obtained in November 2019. Originally, the site was Refused ROE.
- Includes surface and subsurface military munitions removal and MC contaminated soil removal.
- **SI UFP-QAPP in production. Fieldwork est Feb? 2020.**





Bennington Target Range, VT

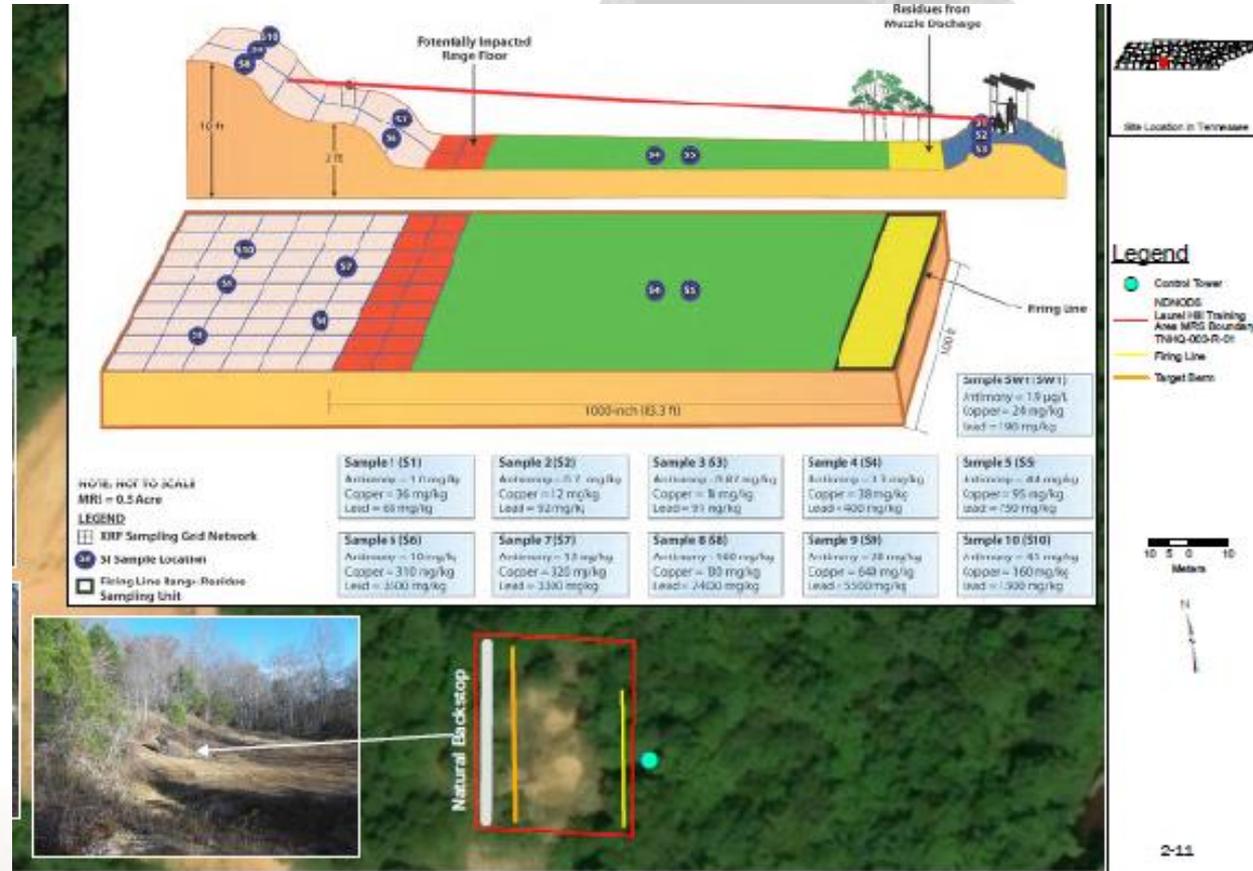
- Bennington Target Range MRS (VTHQ-2-R-01) is 18 acres and is undergoing a SI. VTARNG used the range from 1940 to 1947. ROE was obtained in July 2018 from new owners. Originally, the site was Refused ROE.
- Training use is suspected to only include small arms ammo.
- **SI UFP-QAPP currently in production. Fieldwork est Jun 2020.**





Laurel Hill Training Area, TN

- Laurel Hill TA MRS (TNHQ-003-R-01) is 0.5-acre and is undergoing a RI. The TNARNG used the 1000-inch range in the 1960s and 1970s. Training use is suspected to only include small arms ammo.
- RI UFP-QAPP currently in production. Fieldwork anticipated 2020-2021.

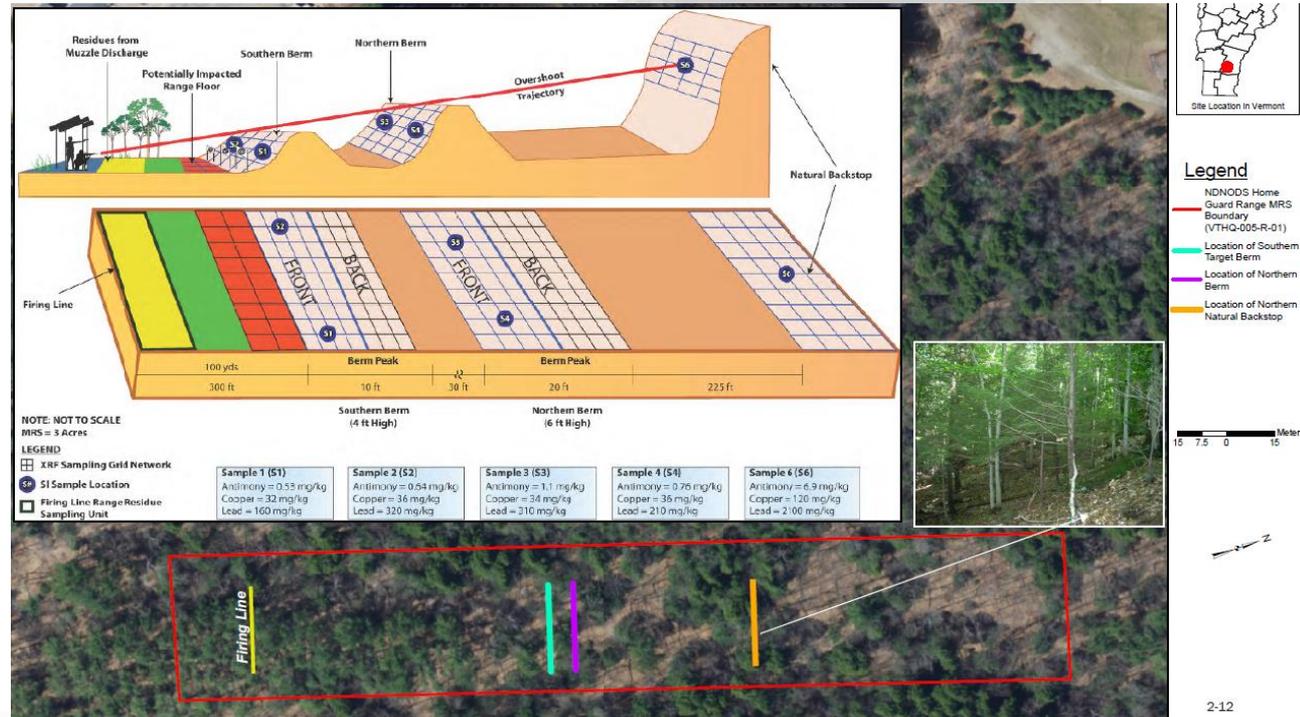




Home Guard Range, VT

- Home Guard Range MRS (VTHQ-005-R-01) is three acres and is undergoing a RI. The VTARNG used the range in the 1930s to 1950s. Training use is suspected to only include small arms ammo.

- RI UFP-QAPP currently in production. Fieldwork est Aug to Sept 2020.

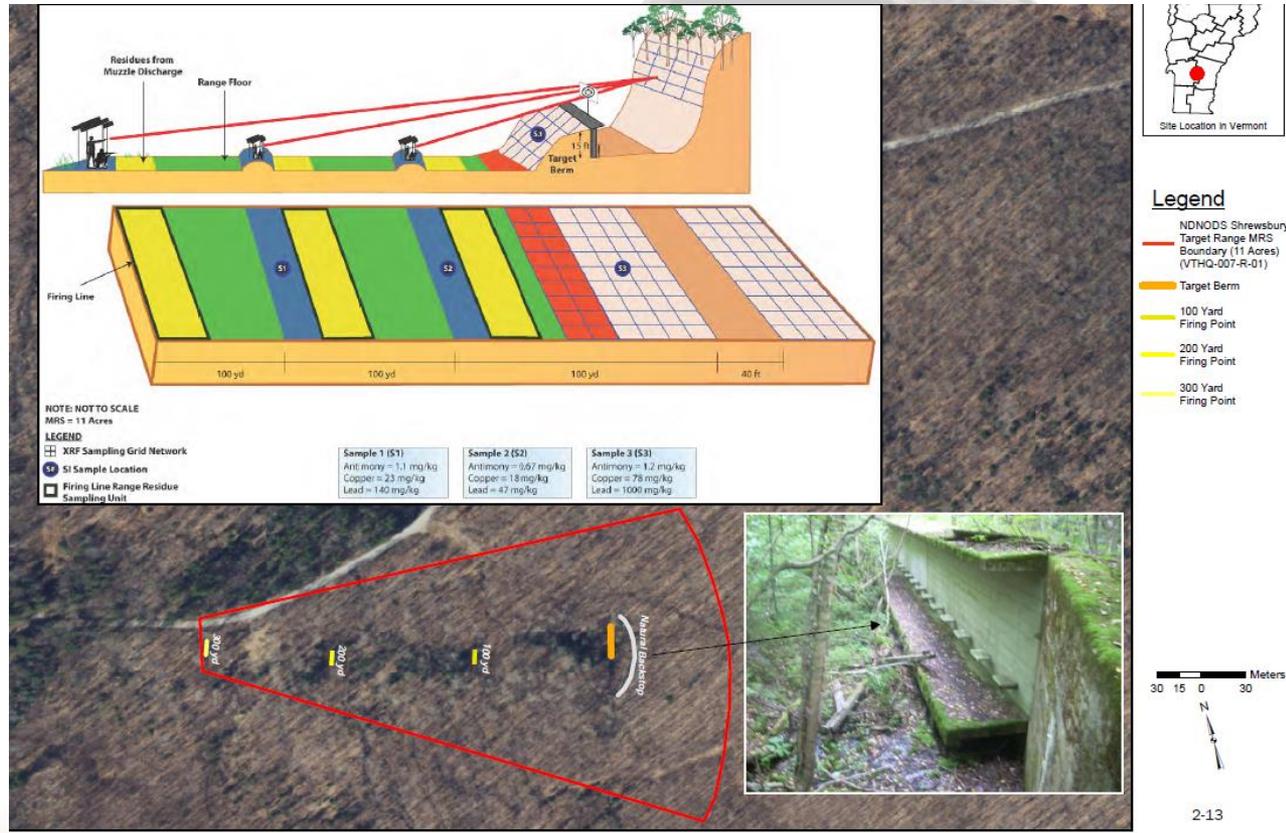




Shrewsbury Target Range, VT

- Shrewsbury Target Range MRS (VTHQ-007-R-01) is 11 acres and undergoing a RI. VTARNG used the range in from 1945 to 1973. Training use is suspected to only include small arms ammo.

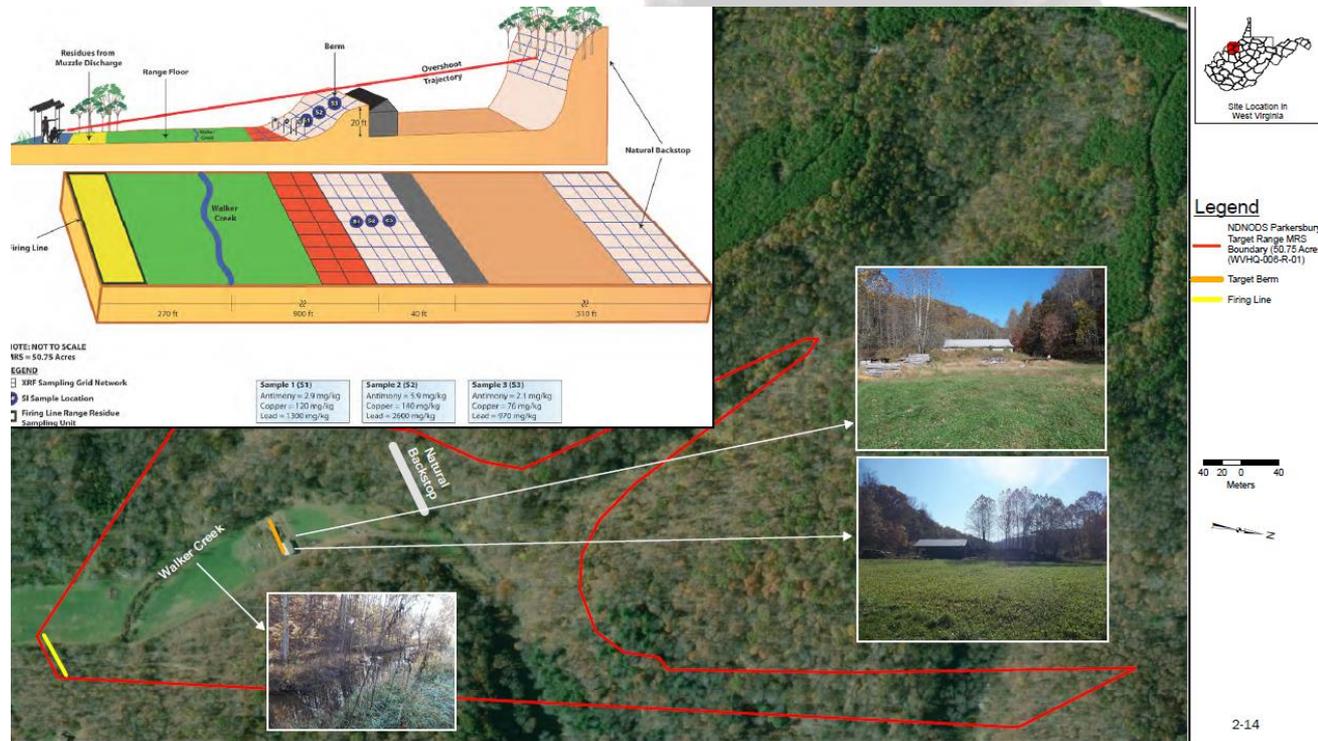
- RI UFP-QAPP currently in production. Fieldwork est 2020.





Parkersburg Range, WV

- Parkersburg Range (WVHQ-006-R-01) is 50.75 acres and is undergoing a RI. WVARNG used the range in from 1956 to 1962. Training use is suspected to only include small arms ammo.
- RI UFP-QAPP currently in production. Fieldwork est 2020.

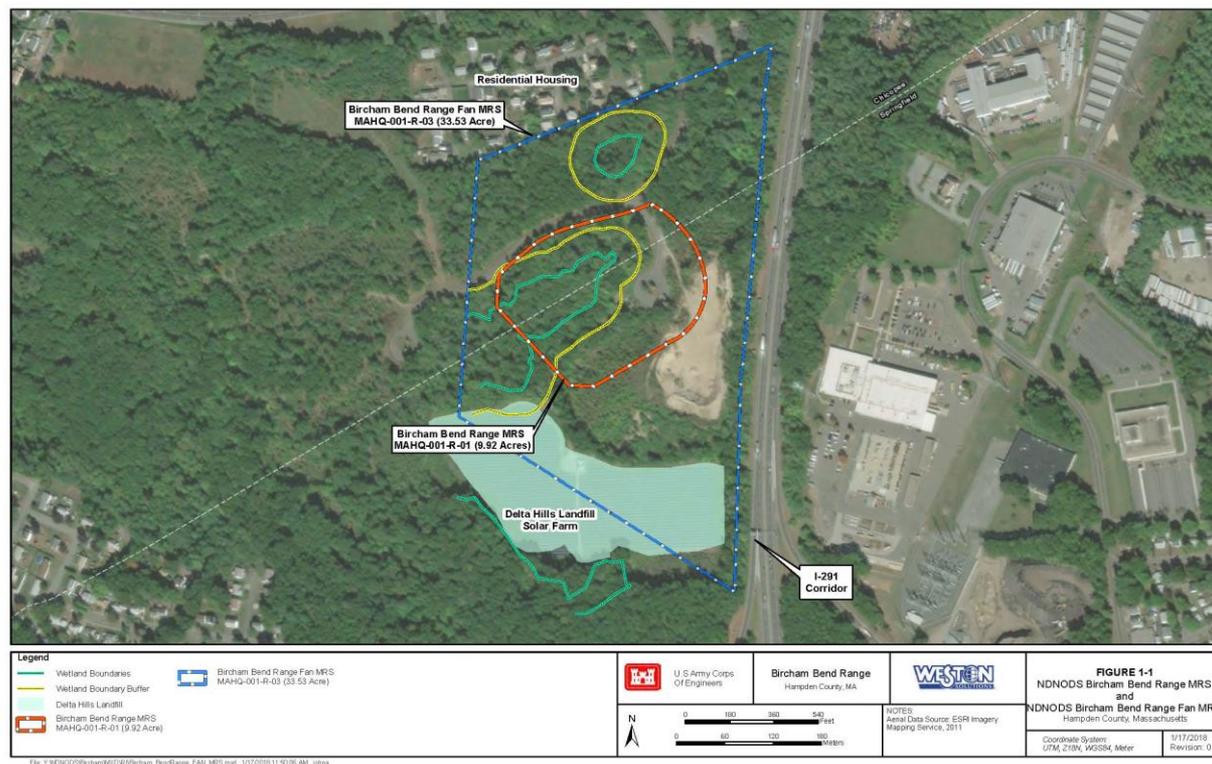




Bircham Bend Range, MA



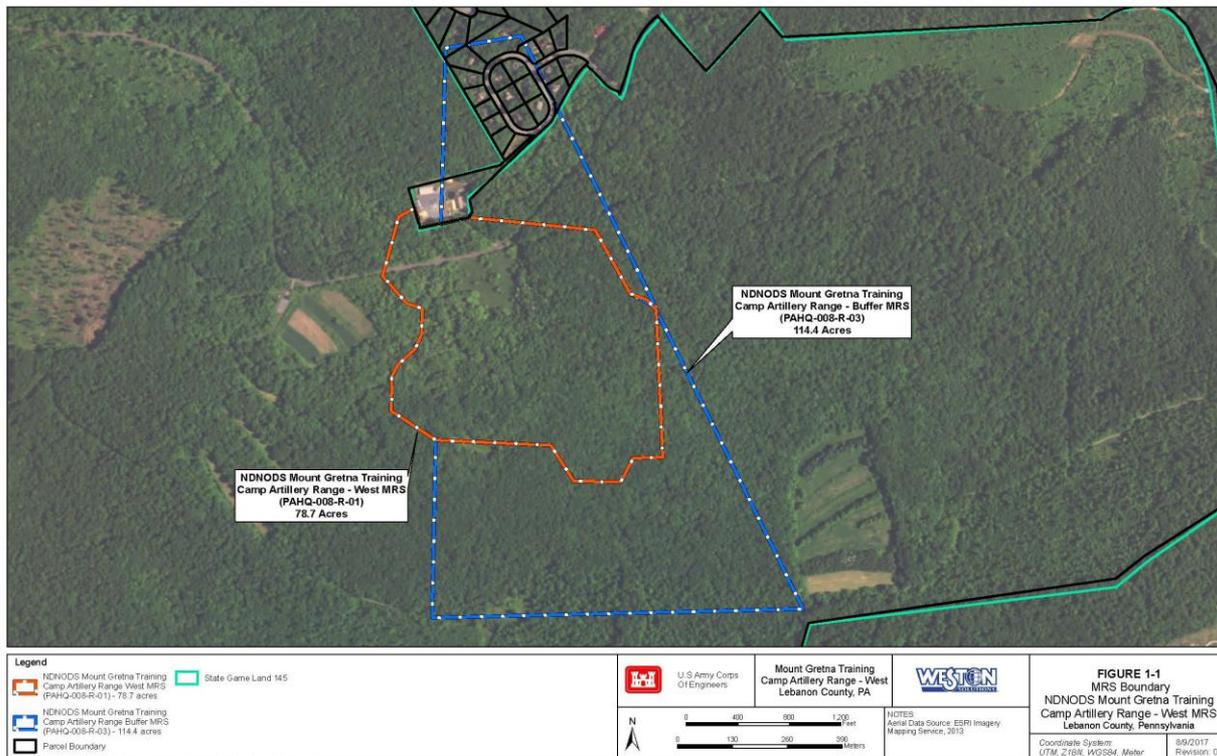
- Bircham Bend Range MRS (MAHQ-002-R-01) is 9.92 acres and is undergoing a RA.
- Includes surface and subsurface military munitions removal and MC contaminated soil removal.
- **Update:**
- **Field Work underway.**
- **MEC removal complete**
- **39 MEC Items Destroyed**
- **200 Yards of soil removed to date**





Mt. Gretna Training Camp Artillery Range - West, PA

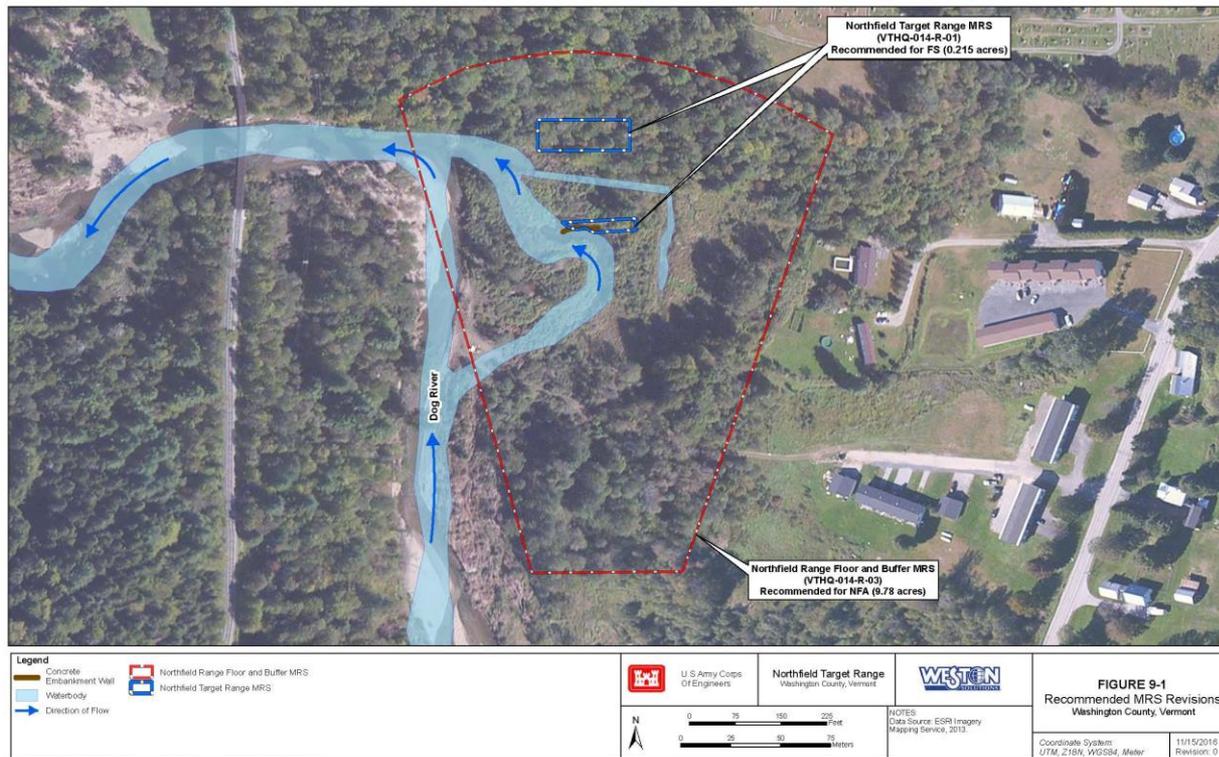
- Mt. Gretna TCAR-West MRS (PAHQ-008-R-01) is 78.7 acres and is recommended for RA.
- Includes surface and subsurface military munitions removal and MC contaminated soil removal.
- **Update: Planning Phase**





Northfield Target Range, VT

- Northfield Target Range MRS (VTHQ-014-R-01) is .215 acres and is recommended for LUCs.
- Update: Land Use Control Implementation Plan – Final in Feb 2020.





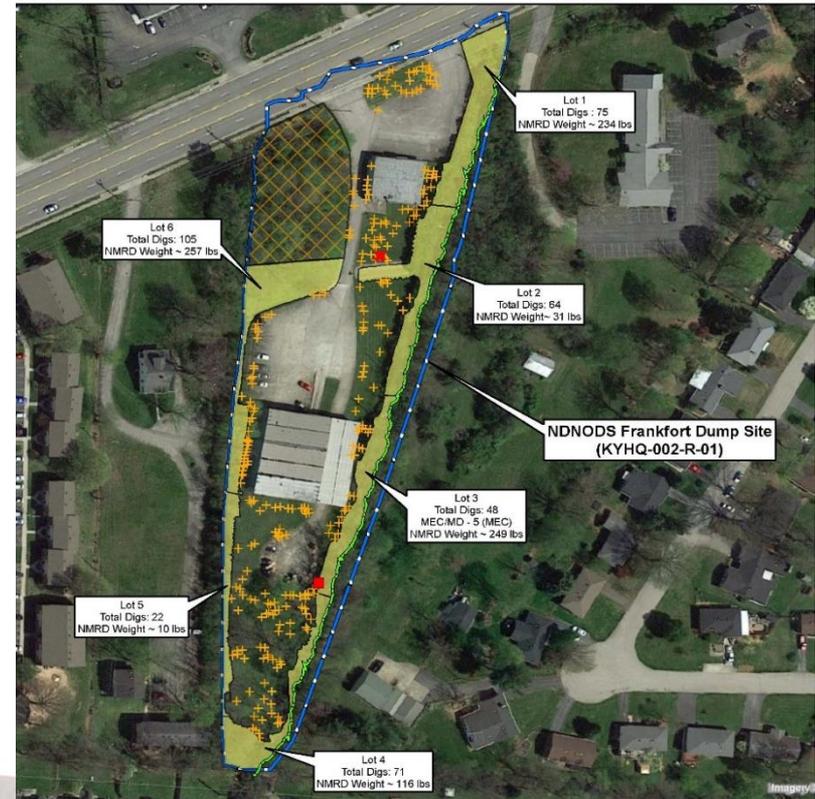
Frankfort Dump Site, Kentucky Mag & Dig Coverage

- RI field activities were conducted in July 2017. 658 Anomalies Investigated
 - One burial pit located three three-inch Parrot rounds; one 4.5-inch Case Shot Cannonball; and one 4-inch Case Shot Cannonball with Bormann time fuze.
 - One four-inch Case Shot Cannonball with Bormann time fuze removed.

2019 - NTCRA to be performed to remove burial pit.

Then Finish RI, No FS, NFA PP and NFA ROD by 2021.

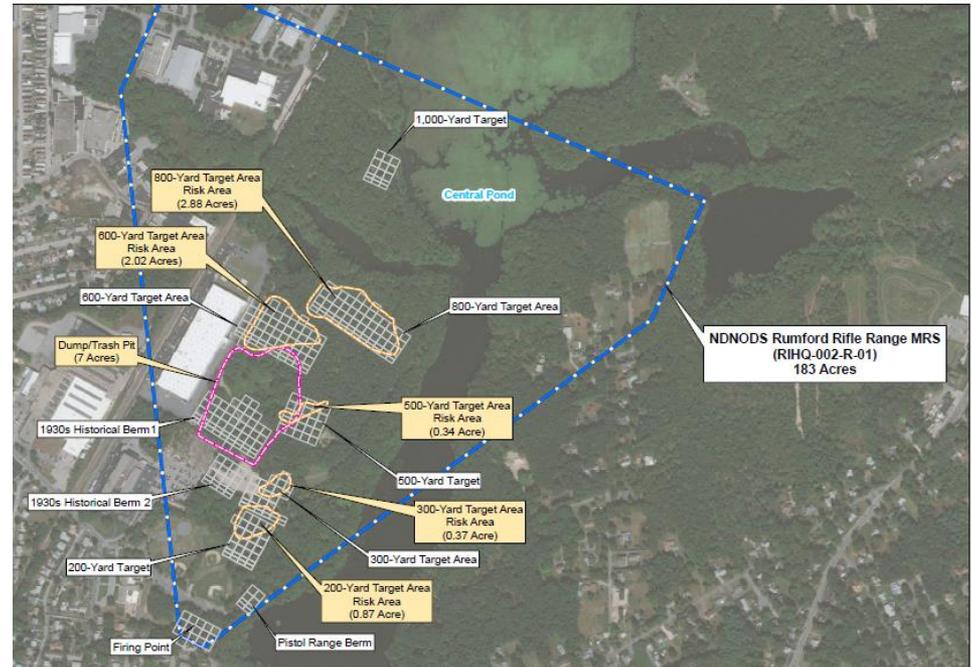
Update: NTCRA Field Work Mid Dec 2019





Rumford Rifle Range, Rhode Island MC Characterization

- No MPPEH or MEC present.
- Elevated lead in Soil.
- Identified 7-acre dump/trash pit by 1930's Historical Berm
- MC samples collected and analyzed for soil, sediment, surface water, and groundwater.
- Only risk resides with soil.
- ROD completed by Dec 2019



- Update: Final Proposed Plan – Nov 2019. Est from FS = \$9.2M. ROD will be completed this month, Dec 2019. Award Plan > 2021?.



Central Region

Sites Undergoing Site Inspection

- Kimama Training Site, ID
- Roseburg Rifle Range, OR

Sites Undergoing Remedial Action

- Montana:
 - Frying Pan Basin, Lost Horse Rifle Range, Scratchgravel Hills, Artillery Range, Dawson County Local Training Area, and Livingston Target Range, MT
- Colorado
 - Craig Small Arms Range, Craig Sand Wash, CO, 2 MRSs,
 - Delta Range, 6 MRSs

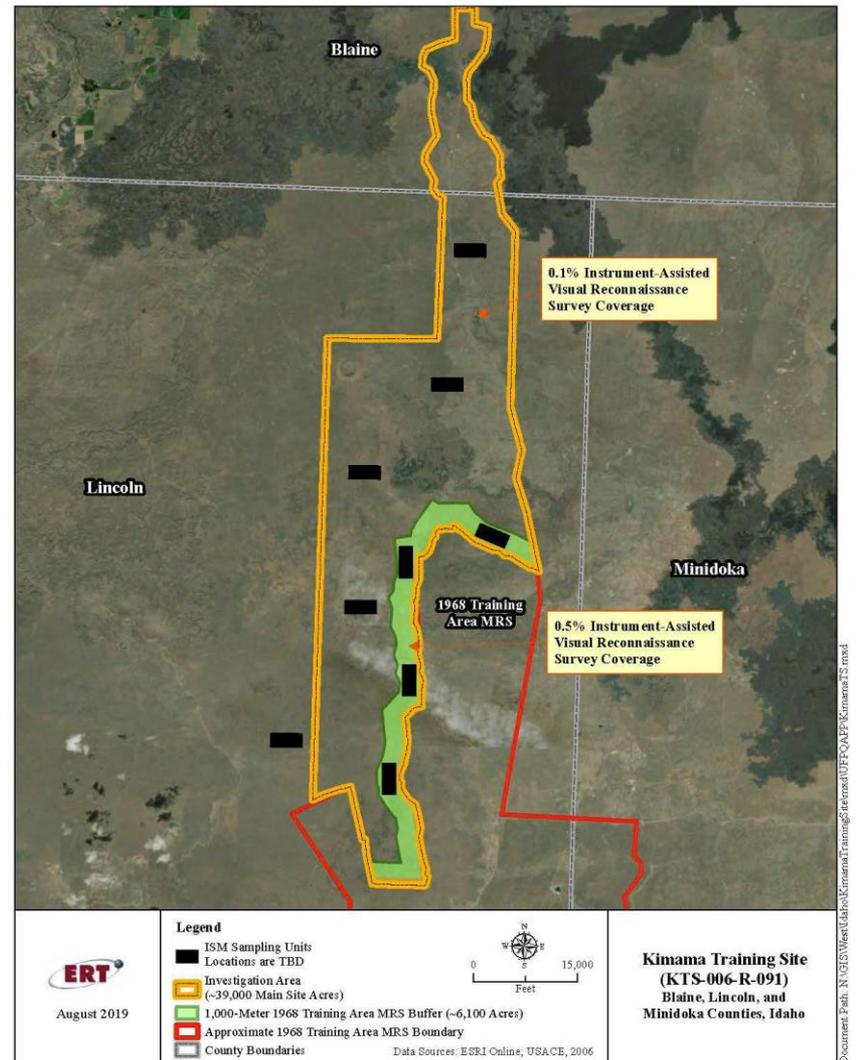
Sites moving toward Record of Decision

- Camp George West Artillery Range and Idler Range, CO
- Hartville Uplift Artillery Range, WY
- Noonan Local Training Area, Lane Ranch Range, Helmville Artillery Range MT
- Stapleton Controlled Fire Training Area, NE
- Redfield Controlled Firing Area, South Dakota (SD)



Kimama Training Site, ID

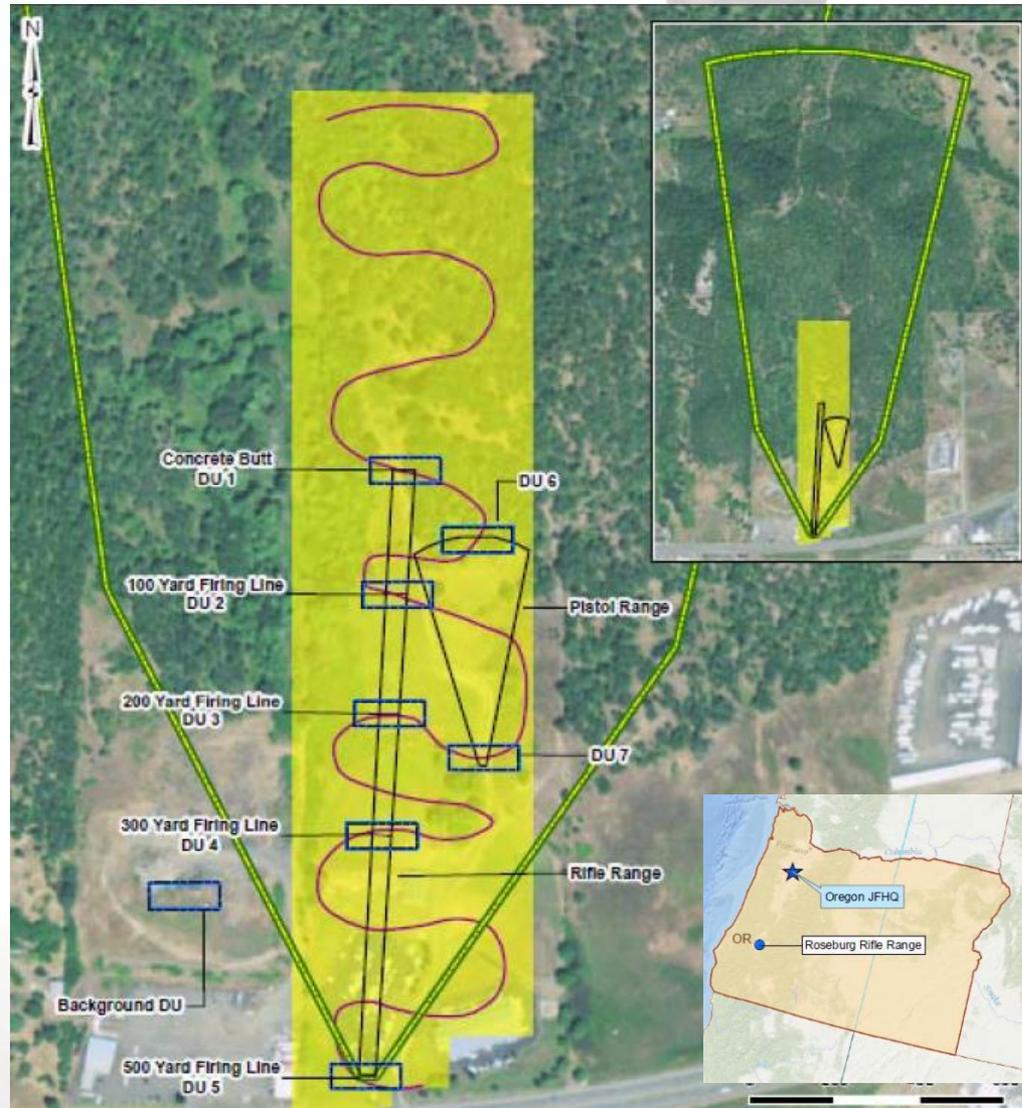
- Kimama Training Site (KTS-006-R-01) is **~43,000 acres**. MEC/MC is not anticipated to be present.
- **SI UFP-QAPP** currently in production. Fieldwork anticipated 2020-2021.





Roseburg Rifle Range, OR

- Roseburg Rifle Range MRS (no ID #) is 231.6 acres and is undergoing a SI. ORARNG used the range from 1946 to 1979.
- SAA and 3.5-inch and sub caliber practice mortars are suspected munitions.
- **SI UFP-QAPP currently in production. Fieldwork est Apr 2020.**





Frying Pan Basin Training Area, MT

- Frying Pan Basin Training Area (MTHQ-013-R-01) is 39.8 acres. Recovered munitions 40mm. Remedial Action (MEC removal surface and subsurface UU/UE)
- Update: UFP-QAPP currently in production. Fieldwork anticipated 2021.





Lost Horse Rifle Range, MT

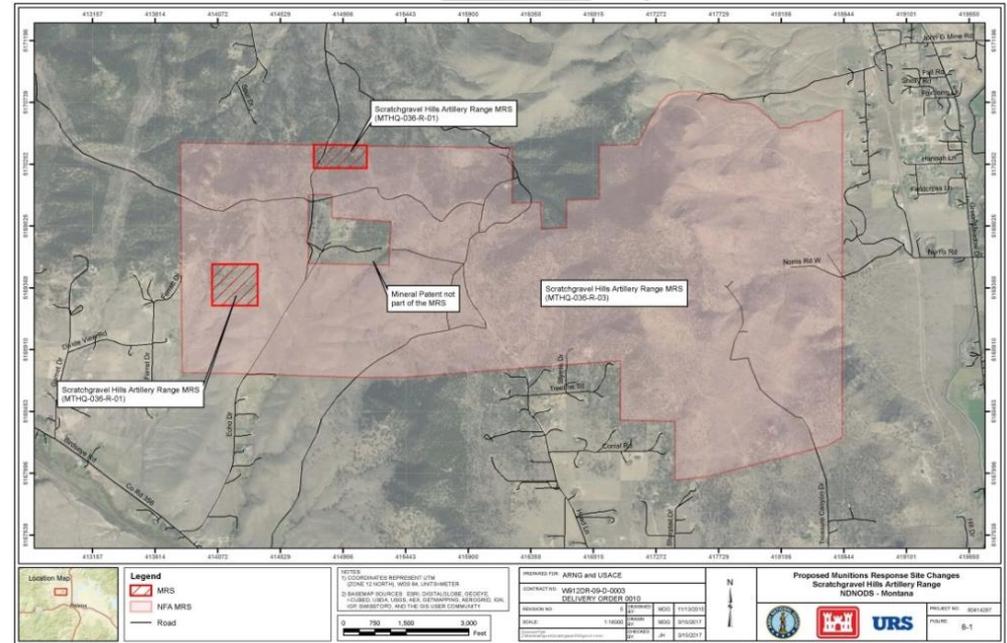
- Lost Horse Rifle Range (MTHQ-026-R-1) is 0.2 acre Remedial Action for 40mm and SAA (lead-contaminated soil removal and MEC surface and subsurface UU/UE)
- Lost Horse Rifle Range (MTHQ-026-R-03) is 0.2 acre - Remedial Action for 40mm (MEC surface and subsurface removal UU/UE)
- **Update: UFP-QAPP currently in production. Fieldwork anticipated 2021.**





Scratchgravel Hills Artillery Range, MT

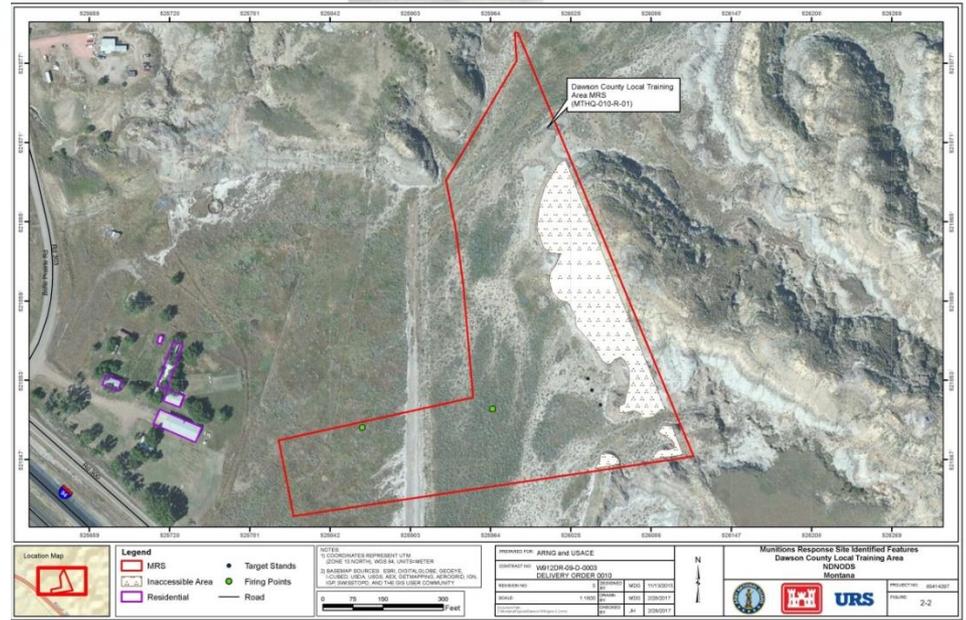
- Scratchgravel Hills Artillery Range (MTHQ-036-R-01) is 41.3 acres for a Remedial Action for 60mm and 81mm (MEC surface and subsurface removal UU/UE)
- **Update:** Fieldwork began late summer 2019. Will continue next spring 2020.





Dawson County LTA, MT

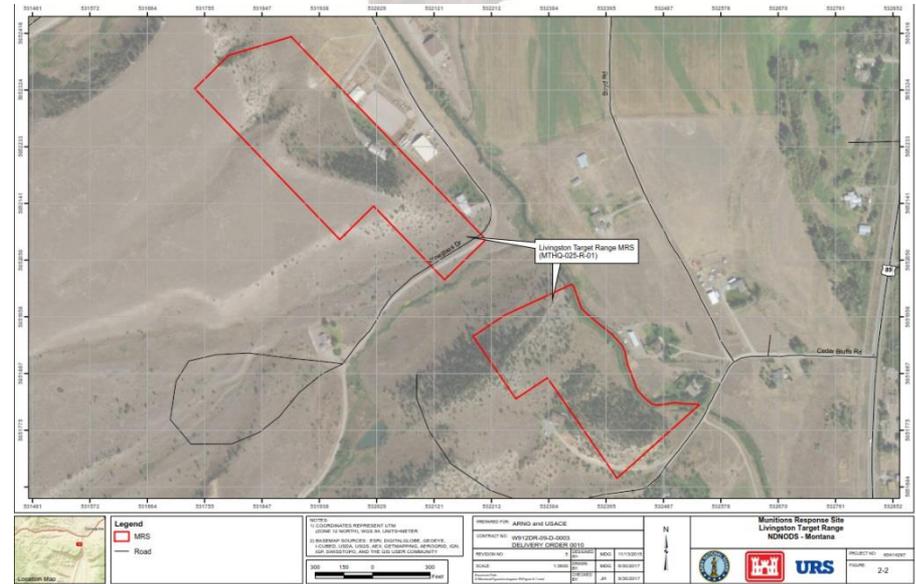
- Dawson County LTA MTHQ-010-R-01 remains 10.4 acres for a Remedial Action for 40mm (MEC surface and subsurface)
- Portions may not be accessible so UU/UE may not be achievable
- Update: UFP-QAPP currently in production. Fieldwork anticipated 2021.





Livingston Target Range, MT

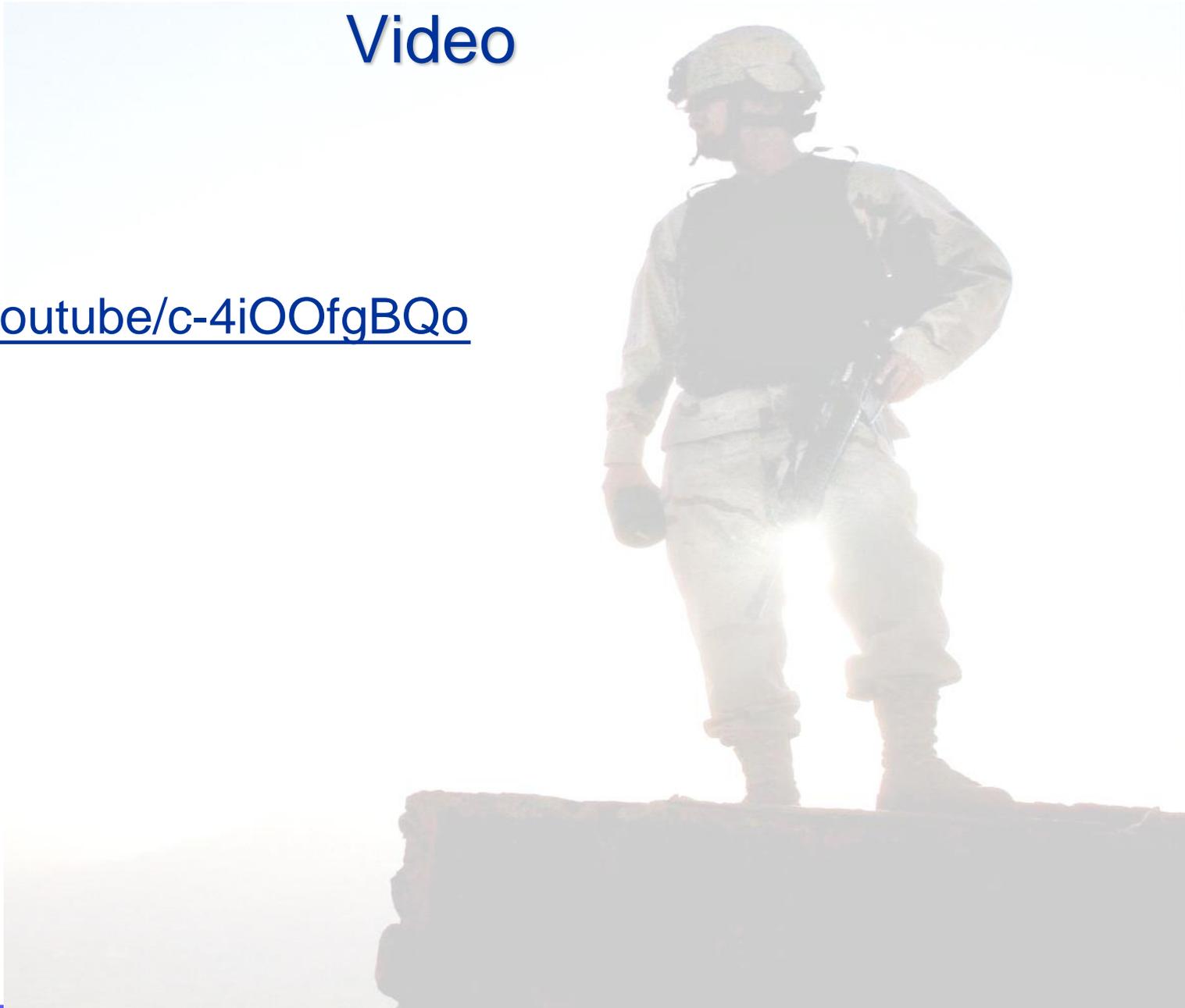
- The Livingston Target Range MRS (MTHQ-025-R-01) is 28 acres. Remedial Action for 3-Inch Stokes and 37mm (MEC surface and subsurface to UU/UE)
- Update: ROEs have been challenging. UFP-QAPP currently in production. Fieldwork anticipated 2020.





Video

- <https://youtube/c-4iOOfgBQo>



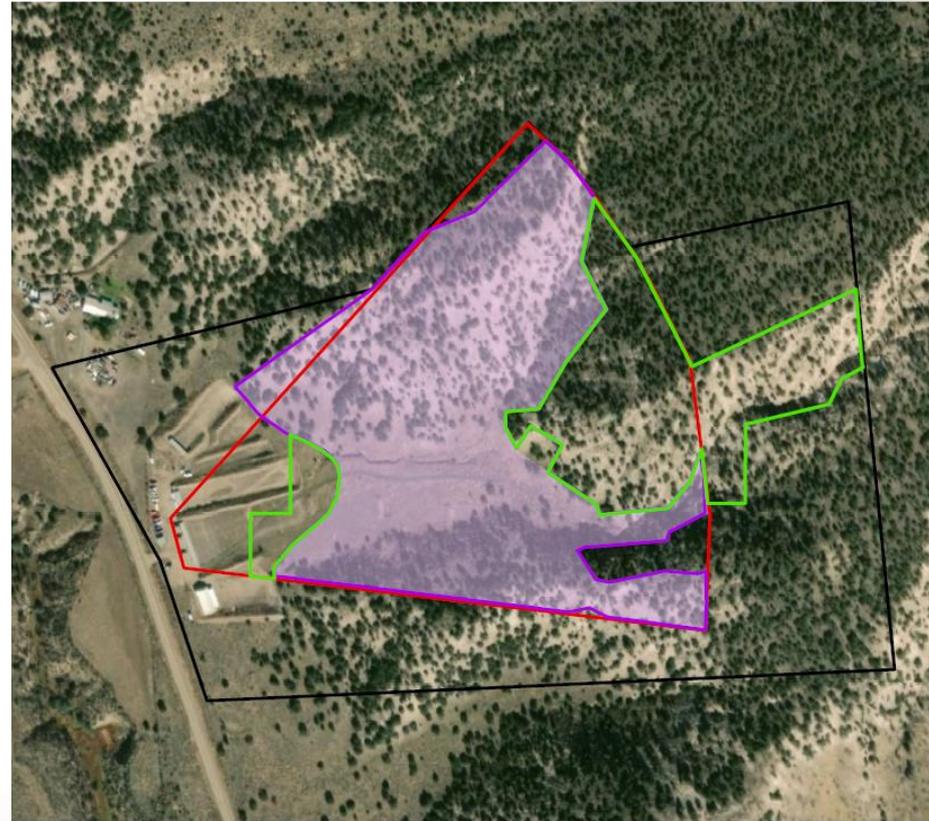


Craig Small Arms Range, CO

The MRS (COHQ-002-R-01) is 47 acres. BLM Managed land used for recreation. MD various SAA, M407A1, 40mm HE and practice, and M29, 3.5-inch practice rockets found during RI. RA = Surface and Subsurface MEC removal and Land Use Controls (LUCs) with Five-Year Reviews.

ROD cost \$551,000.

Update: DoD JA determined no longer DERP Eligible. Funding from Non DERP account. TBD.



	Drawn By: MI	Date: 12/13/2018	MDX: W:\GES\Working\KJAN\Craig_1885103\Maps\CSAR_Boundaries Figure 2.mxd
	Datum: North American 1983	CS: NAD 1983 UTM Zone 12N	PDF: W:\GES\Working\KJAN\Craig_1885103\PDFs\CSAR_Boundaries2.pdf

Figure 2
Record of Decision
Craig Small Arms Munitions Response Site
Moffat County, Colorado



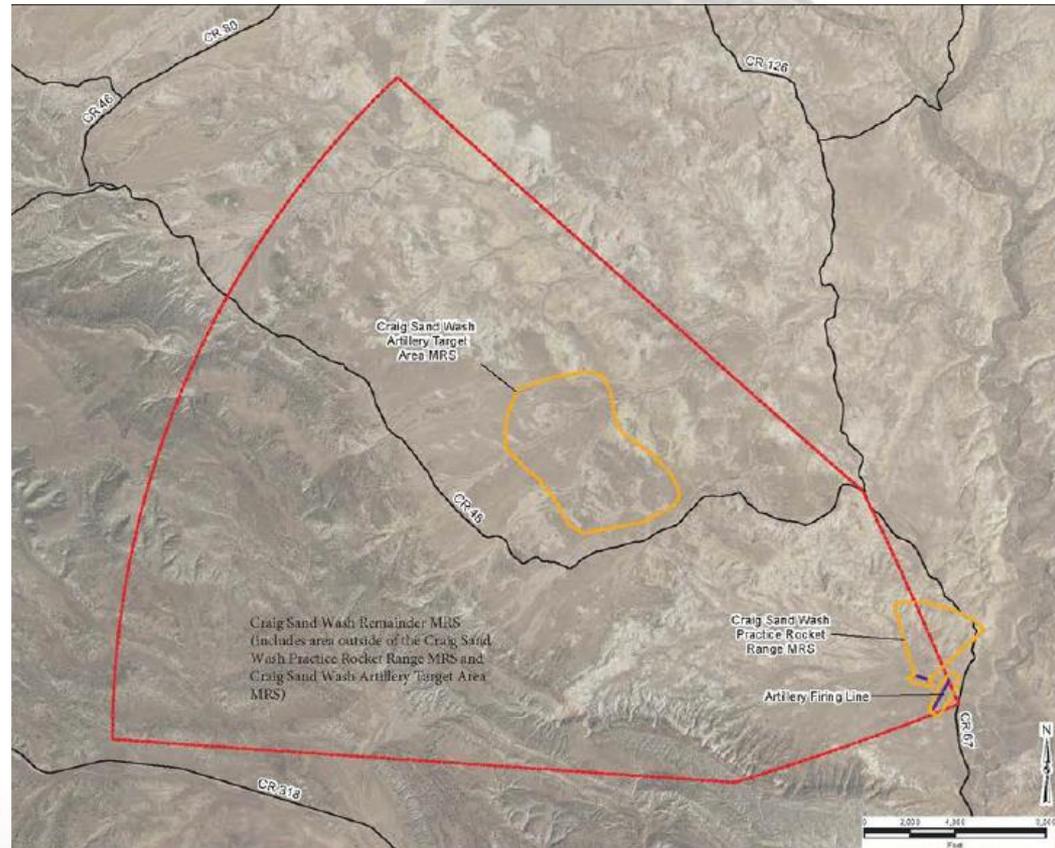


Craig Sand Wash Artillery Target Area, Colorado

The MRS (COHQ-001-R-01) is 779 acres. BLM Managed land used for recreation. MD from M1, 105mm, M29, 3.5-inch practice rockets found during RI.

Remedial Action = Advanced Institutional Controls (ICs) with Five-Year Reviews. ROD cost \$437,600.

FY19 Award. **Update: Not Awarded. DoD JA determined no longer DERP Eligible. Funding from Non DERP account. TBD.**



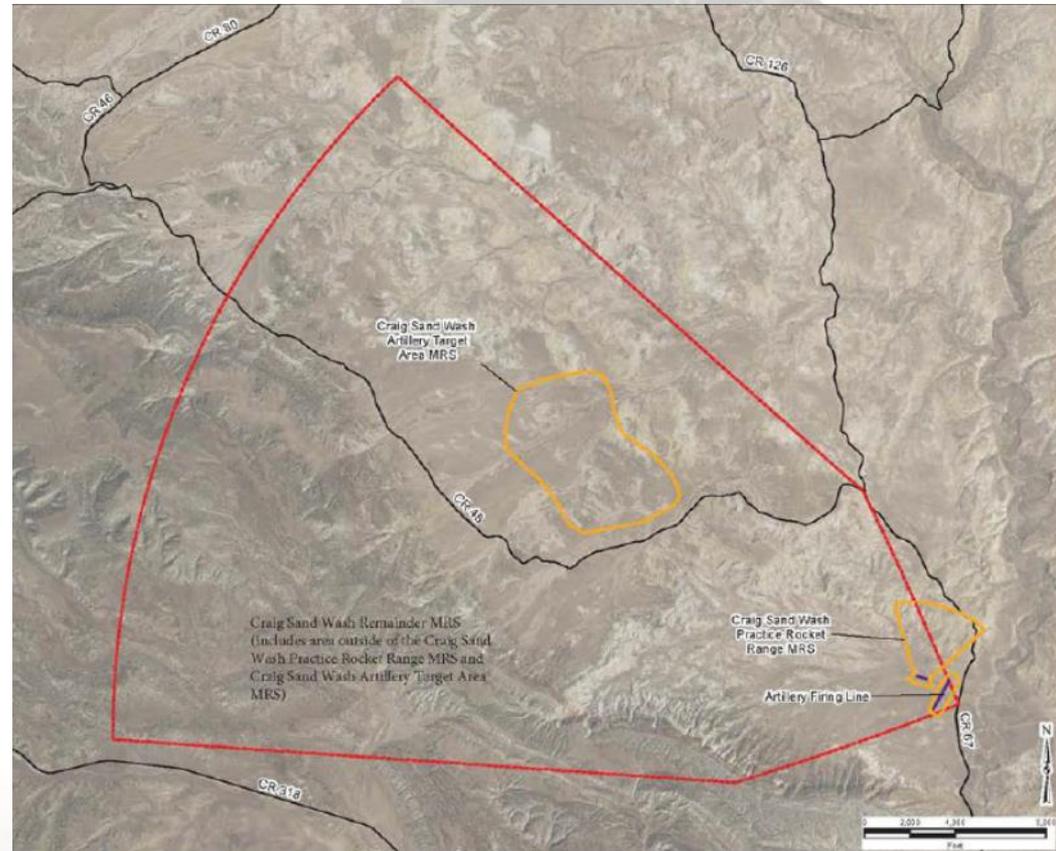


Craig Sand Wash Practice Rocket Range, Colorado

The MRS (COHQ-001-R-02) is 186 acres. BLM Managed land used for recreation. MD from 3.5-inch practice rockets found during RI.

RA = Selected Surface Removal of DoD Military Munitions (Completed in 2016), Advanced Institutional Controls (ICs) with Five-Year Reviews. ROD Est cost \$500,000.

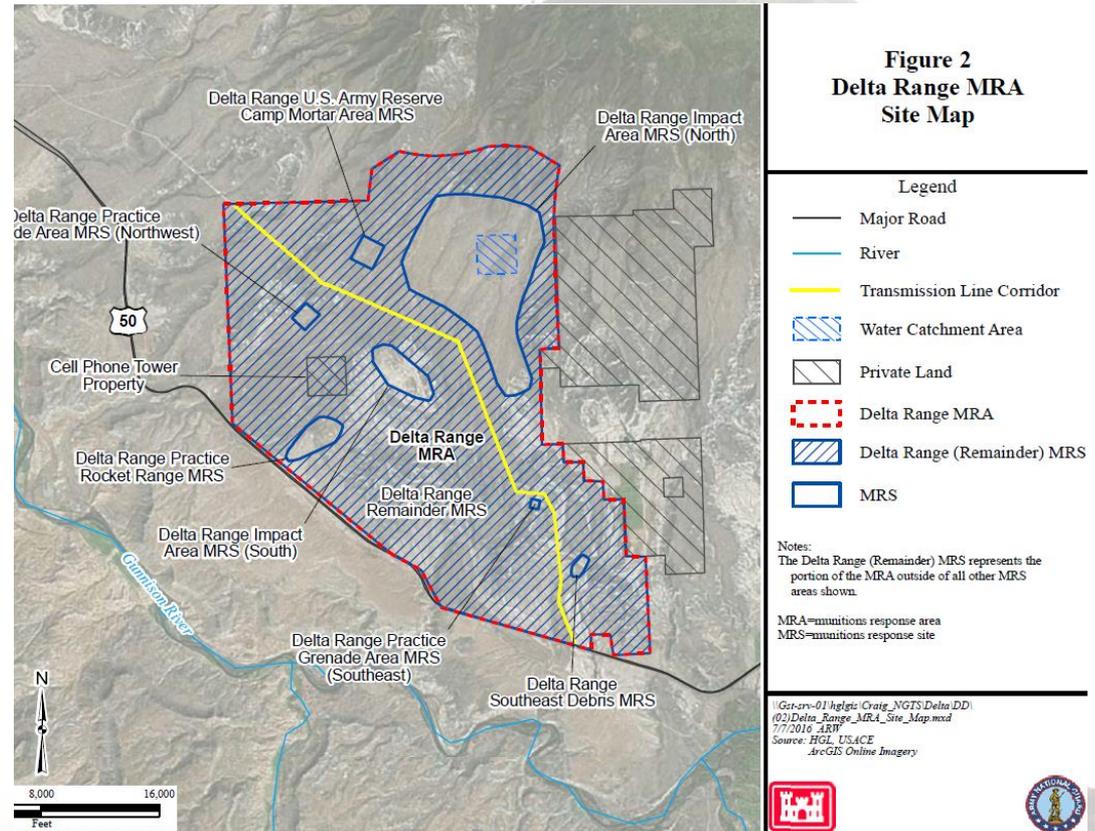
Update: Not Awarded. DoD JA determined no longer DERP Eligible. Funding from Non DERP account. TBD.





Delta Range Munitions Response Area, Colorado

The Delta Range MRA is predominantly on BLM managed land, was divided into six MRSs: DELT-001-R-01 Delta Range Impact Areas. Recovered munitions: 40mm, 81mm, 106mm, 155mm, 203mm, and 3.5-in practice rockets. ROD - Surface Clearance, DGM (100%), Subsurface Clearance to Full Depth aided by AGC and ICs with Five-Year Reviews. RODs \$110.5M (est.)



Update: Not Awarded. DoD JA determined No Longer DERP Eligible. Funding from Non DERP account. TBD.



Delta Range Munitions Response Area ROD Alternative and Estimated Cost

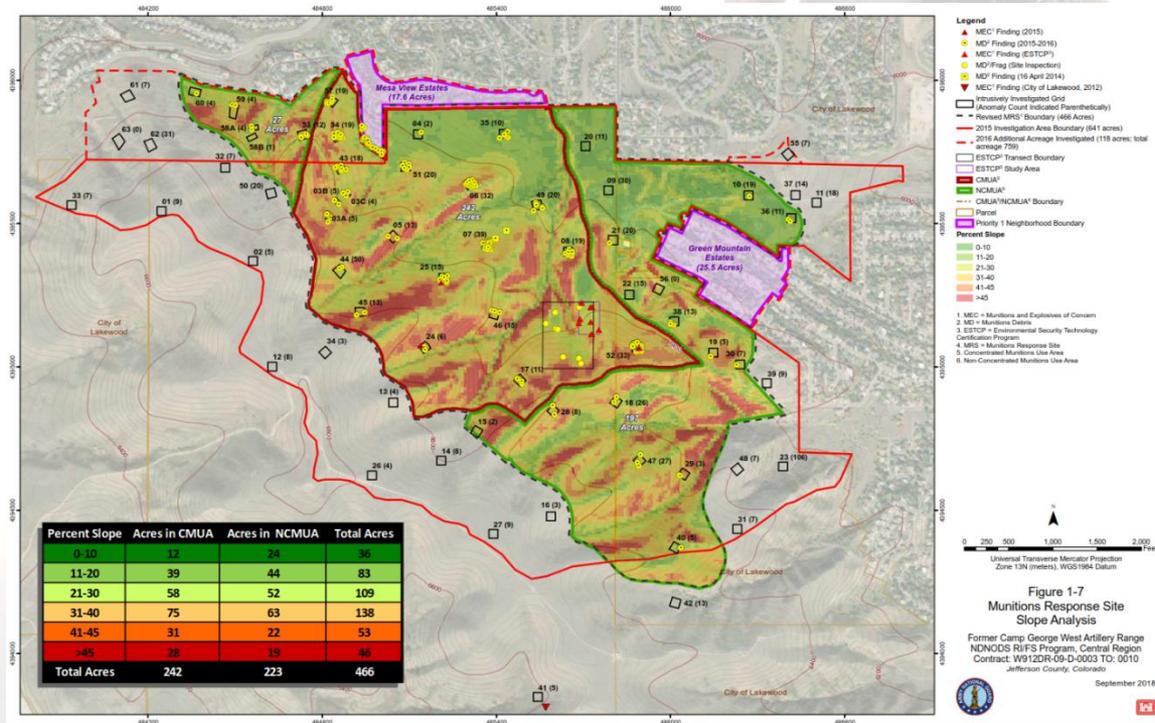
Site	Selected Alternative	ROD Cost
Delta Range Impact Areas MRS DELT-001-R-01	Alternative 5 - Surface Clearance, Digital Geophysical Mapping (100%), Subsurface Clearance to Full Depth aided by Advanced Classification Technology (ACT) and Institutional Controls with Five-Year Reviews	\$110,480,486
Delta Range Practice Grenade Areas MRS DELT-001-R-02	Alternative 4 - Surface Clearance, Digital Geophysical Mapping (100%), Subsurface Clearance to Full Depth and Institutional Controls with Five-Year Reviews	\$3,456,100
Delta Range 3.5-Inch Practice Rocket Range MRS DELT-001-R-03	Alternative 2B –Surface Clearance using Magnetometers and Institutional Controls and 5-Yr. Review	\$2,081,147
Delta Range Army Reserve Camp Mortar Area MRS DELT-001-R-04	Alternative 4 - Surface Clearance, Digital Geophysical Mapping (100%), Subsurface Clearance to Full Depth and Institutional Controls with Five-Year Reviews	\$3,372,536
Delta Range Southeast Debris Area MRS DELT-001-R-05	Alternative 2B – Advanced Institutional Controls and 5-Yr. Review	\$1,731,817
Delta Range Remainder MRS DELT-001-R-06	Alternative 2B – Advanced Institutional Controls and 5-Yr. Review	\$1,832,102

**Update: Not Awarded. DoD JA determined no longer DERP Eligible. Funding from Non DERP account.
TBD**



Camp George West Artillery Range, CO

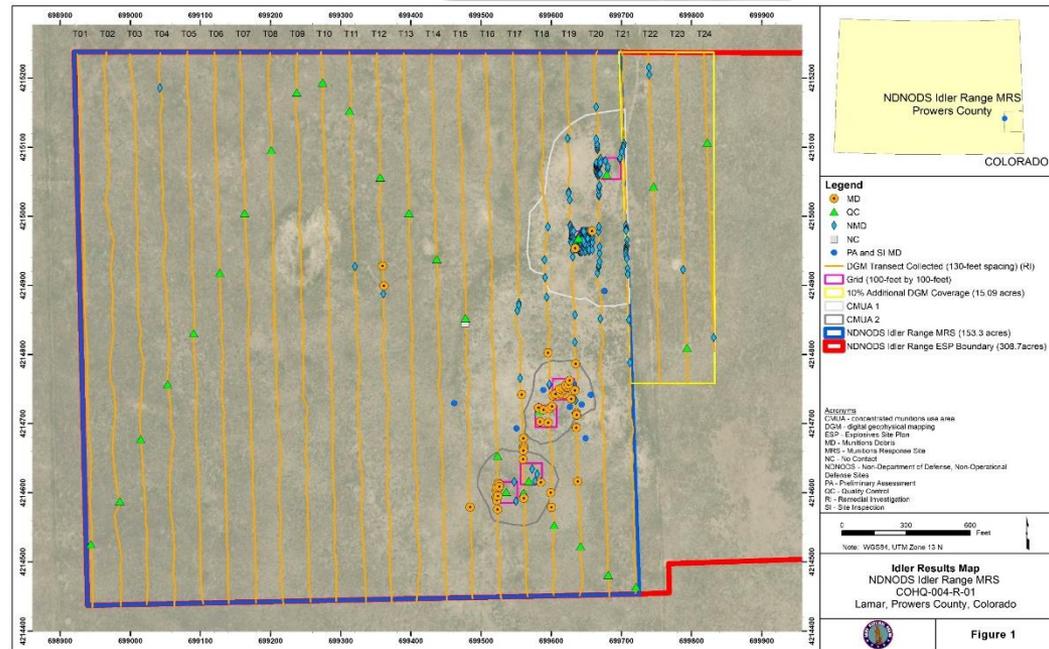
- Army Draft ROD Submitted in December 2019.
- Remedial Action Est from FS = \$8,653,000. Surface and Subsurface Clearance of 367 acres using MPV and LUCs.
- **Award Plan > 2021?.**
- Homeowner Metal Mapper property investigations. Awarded Sept 2019. Field work to start in mid CY2020.





Idler Range, Prowers County, Colorado

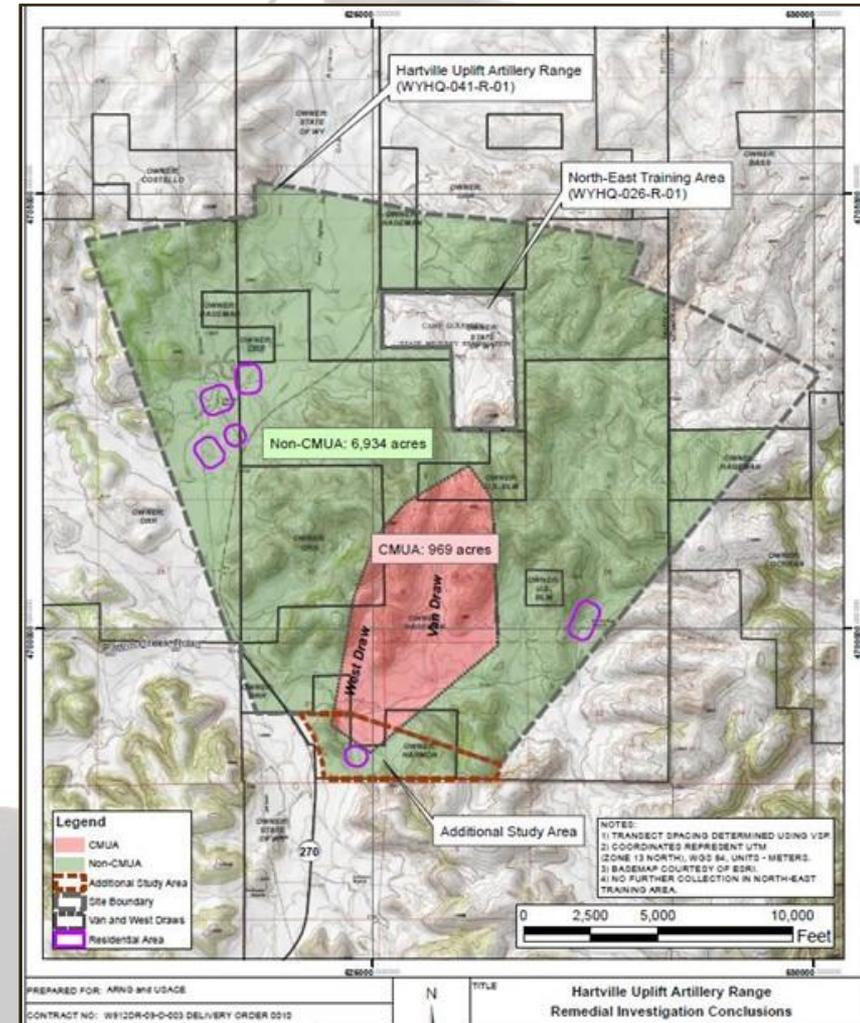
- **Site location:** The 153-acre MRS is a few miles west of Lamar on privately owned land used for agriculture.
- **MRS profile:** On gently rolling terrain comprised of sedimentary rocks and sandy soils.
- **Training history:** COARNG trained from 1950 to 1956. Documented training included small arms and 3.5-inch rockets.
- **Update:** RI Final August 2019 – NFA. No FS prepared. Final PP Nov 2019. Final ROD 2nd QTR FY20.





Hartville Uplift Artillery Range, WY

- **Site location:** The original 7,900-acre MRS is in Platte County, Wyoming, northwest of Camp Guernsey, on privately owned land used for livestock grazing and BLM managed land.
- MRS going forward is a CMUA (969 acres)
- **MRS profile:** On variable, steep, rocky terrain.
- **Training history:** WYARNG trained from 1952 to 1957. MD from 75mm, 76mm, 81mm, and 105mm rounds found during SI and RI.
- **Update:** Final ROD Dec 2019.
- **Remedial Action Est from FS = \$16,597,000. Surface and Subsurface Clearance of 969 acres using AGC to achieve UU/UE. Award TBD > 2021.**





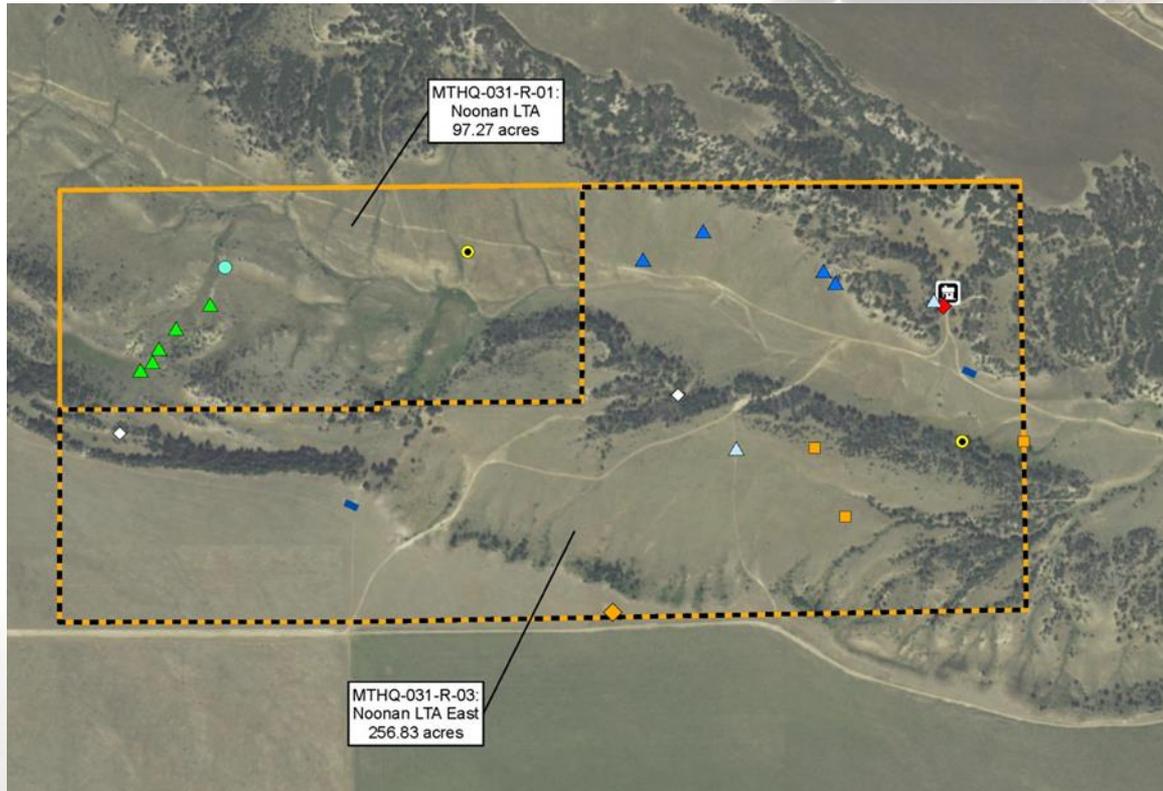
Noonan Local Training Area, Montana

- **Site location:** The 354-acre MRS is in central Montana, approx. 20 miles northwest of Harlowton, on privately owned land used for agriculture and recreation.
- **MRS profile:** Topography varies from flat to a valley with river bottoms abutting bluffs to the east.

Training history:

MTARNG trained from 1990 to 1995 using .30 and .50 caliber machine guns, smoke grenades, and small arms blanks.

Update: NFA ROD November 2019



Noonan Local Training Area

0 500 1,000 Feet

Nomenclature

- ▲ 40 mm M781 TP Grenade MD
- ◆ Expanded Smoke Grenade Fuze
- Expanded M127 ground signal
- ▲ Smoke Grenade Safety Lever
- ◇ SAA
- 🏠 Residence
- Firing Line
- ◆ Flare Landing Area
- Target Area
- 5.56mm Bullet

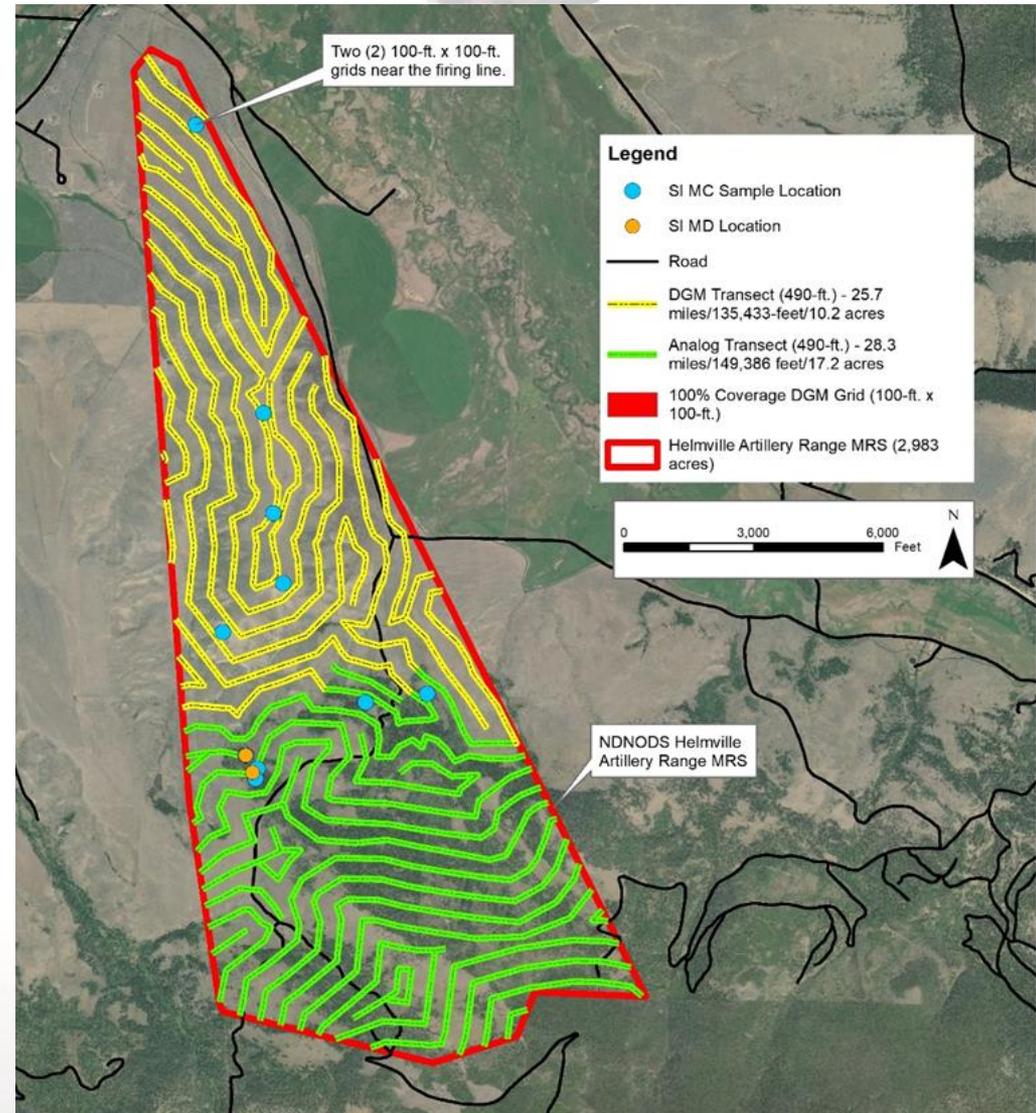
Items Found During SI

- ▲ 40 mm M781 TP Grenade MD
- Signed ROE Area
- Noonan LTA MRS



Helmville Artillery Range, Montana

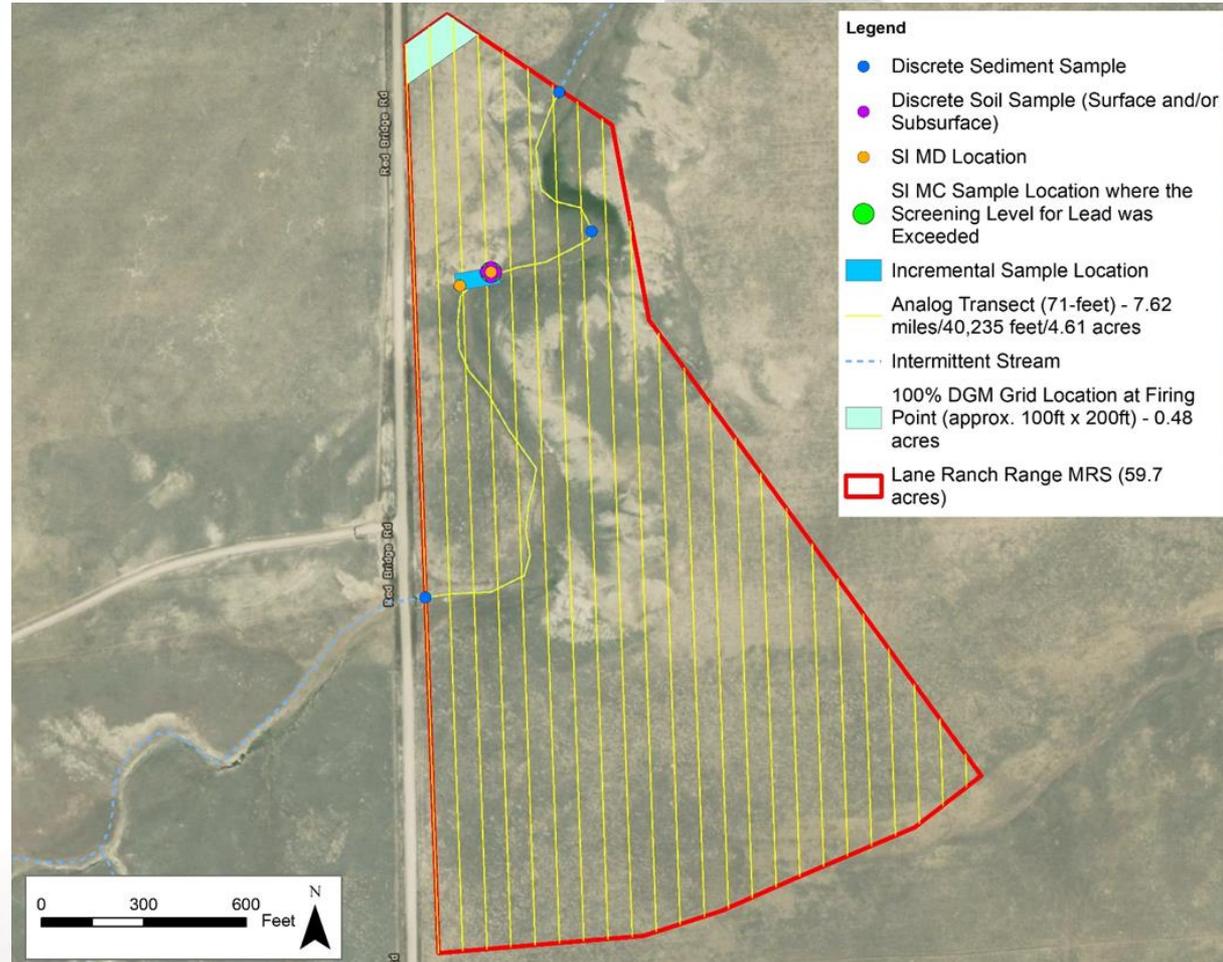
- **Site location:** The 2,983-acre MRS is in Powell County, Montana on privately owned land used for agriculture.
- **MRS profile:** On variable, steep, rocky terrain.
- **Training history:** MTARNG trained from 1949 to 1953 shooting large caliber artillery and mortars.
- **Update:** RI report currently in draft. Further actions TBD.





Lane Ranch Range, Montana

- **Site location:** The 60-acre MRS is a few miles southeast of Harlowton, Montana on state-owned land used for agriculture.
- **MRS profile:** On flat terrain with elevated hillside serving as a backstop.
- **Training history:** MTARNG trained from 1960s to 1998. Documented training included small arms and M31 artillery trainer.
- **Update:** RI report currently in draft. MC exceedances.

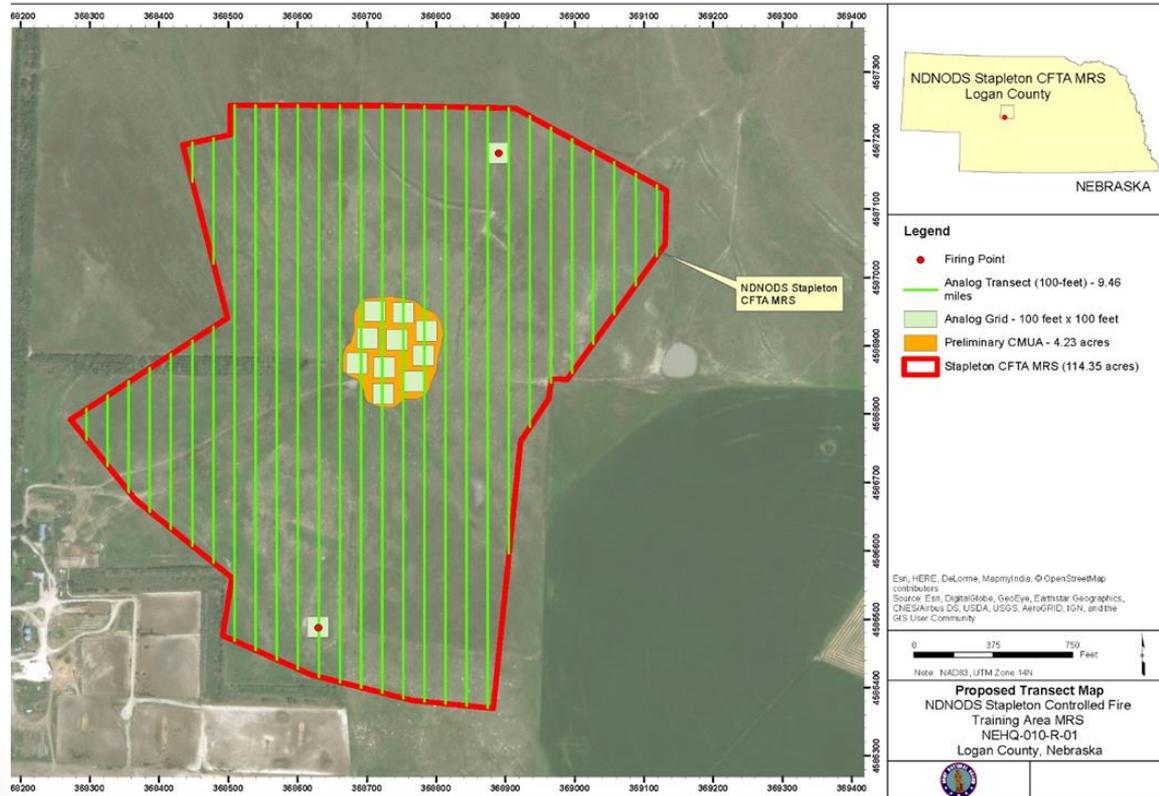




Stapleton Controlled Fire Training Area, Nebraska



- **Site location:** The 114-acre MRS is located in central Nebraska on privately-owned land used for agriculture.
- **MRS profile:** On rolling terrain.
- **Training history:** NEARNG trained from approximately 1930–1990. Documented training includes use sub-caliber rockets and 14.5mm anti-aircraft munitions.
- **Update:** Field work may be complete. Army Draft RI Report in Prep.

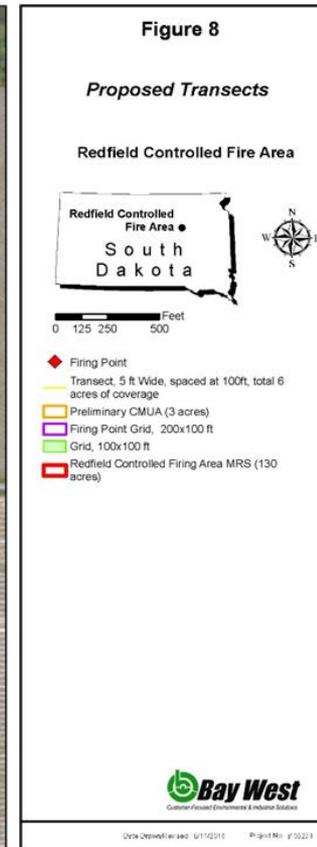




Redfield Controlled Fire Area, South Dakota



- **Site location:** The 130-acre MRS is located west of Redfield, South Dakota on privately-owned land used for agriculture.
- **MRS profile:** On flat terrain with banks sloping down to Turtle Creek along the western MRS boundary.
- **Training history:** SDARNG trained from approximately 1976–2000. Documented training includes use of M73 sub-caliber rockets and M31 artillery trainer.
- **Update:** Lots of Corn. Some field work completed Fall 2019. Additional FW proposed.





Western Region

Site Undergoing SI

- Stewart River, AK

Sites Undergoing RI to ROD

- Ft. Tuthill, AZ
- Kaniao WETS, HI

Sites Undergoing Remedial Action

- Winchester Hills – TA, Utah (UT)
- Winchester Hills Water Tank Hillside – Target Area, UT
- Yerington Training Site – North, Nevada

- Maroon Crater Artillery Range – Concentrated Munitions Use Area, AZ
- Leona Heights Rifle Range, CA
- Keystone Rifle Range, CA

Sites moving toward Record of Decision

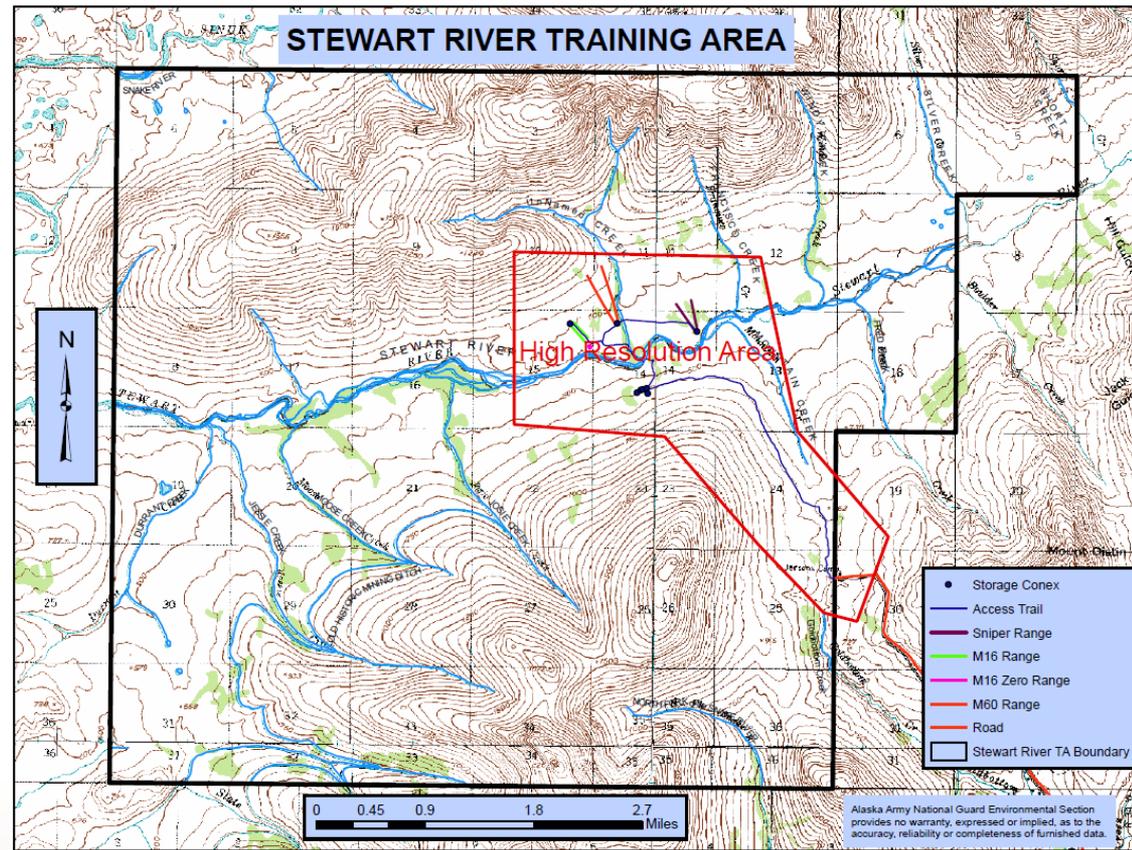
- Kingman Range, AZ
- Roswell North Range, New Mexico (NM)
- Manti Small Arms Range, UT



Stewart River, AK



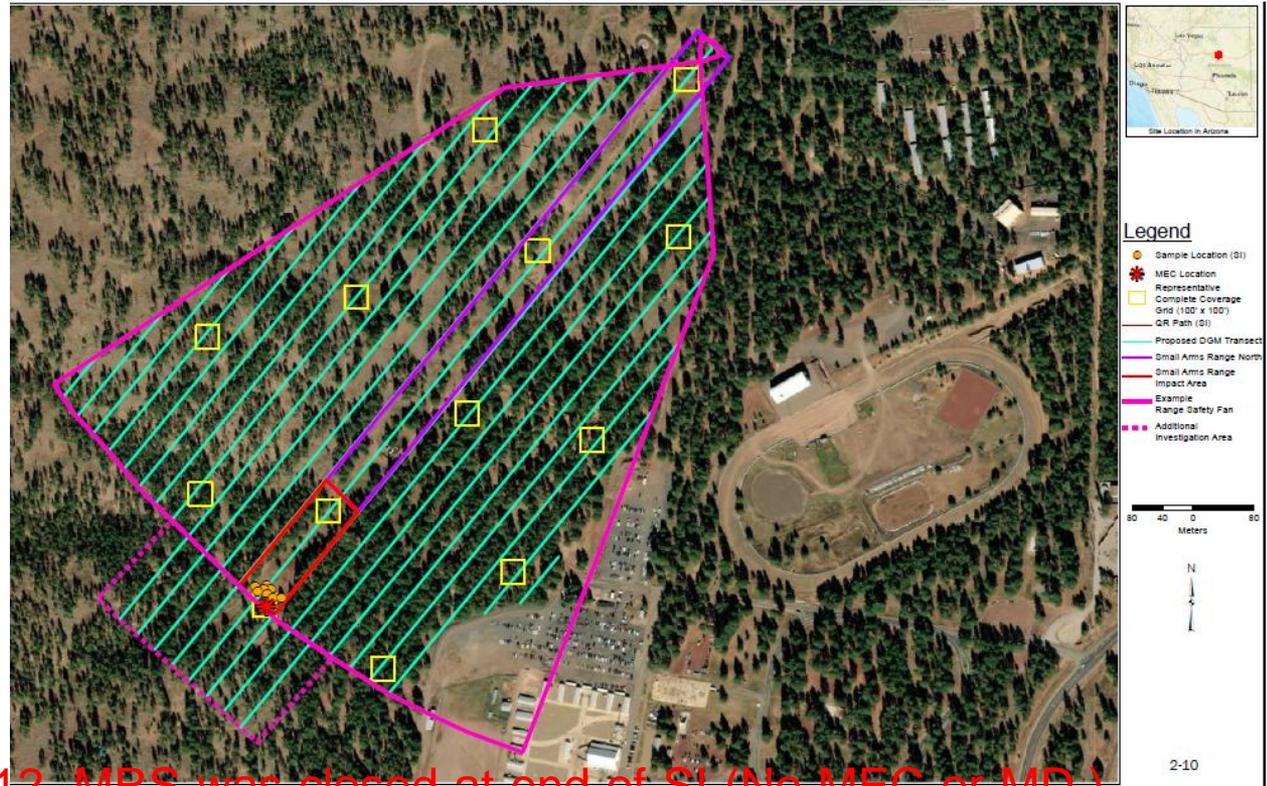
- **Site location:** The **24,160-acre** MRS is located on State-owned land on the Seward Peninsula in northwest Alaska, primarily used for hunting/recreation.
- **MRS profile:** Low rolling terrain.
- **Training history:** AKARNG trained from approximately 1987–2005. Documented training use includes small arms and maneuver training.
- **SI contract awarded in September 2019.**





Ft. Tuthill, AZ

- **Site location:** The 100-acre MRS is located on County owned land on the and primarily is used for recreation.
- **MRS profile:** Relatively flat amid ponderosa woodlands, mixed geology, limestone and volcanics.
- **Recent History:** In 2012, MRS was closed at end of SI (No MEC or MD.) In Nov 2017, a 2.36-in rocket was discovered. ARNG reopened the MRS to conduct a RI. RI contract awarded in September 2019.

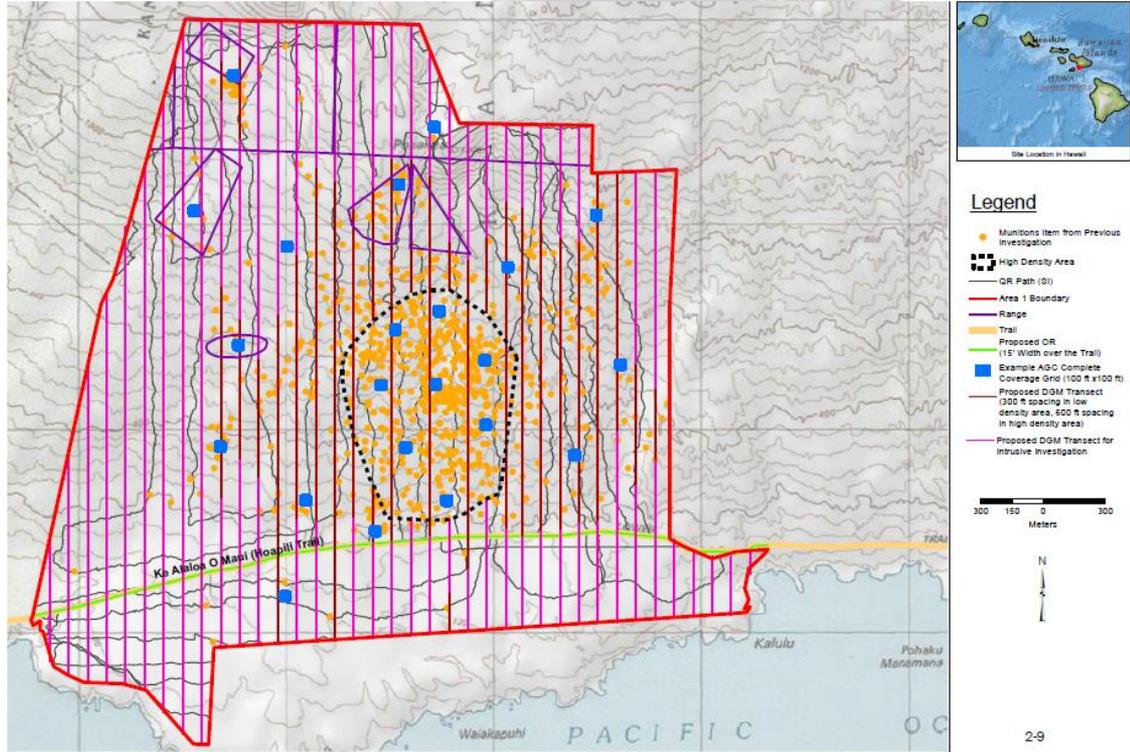




Kanaio Local Training Area, HI



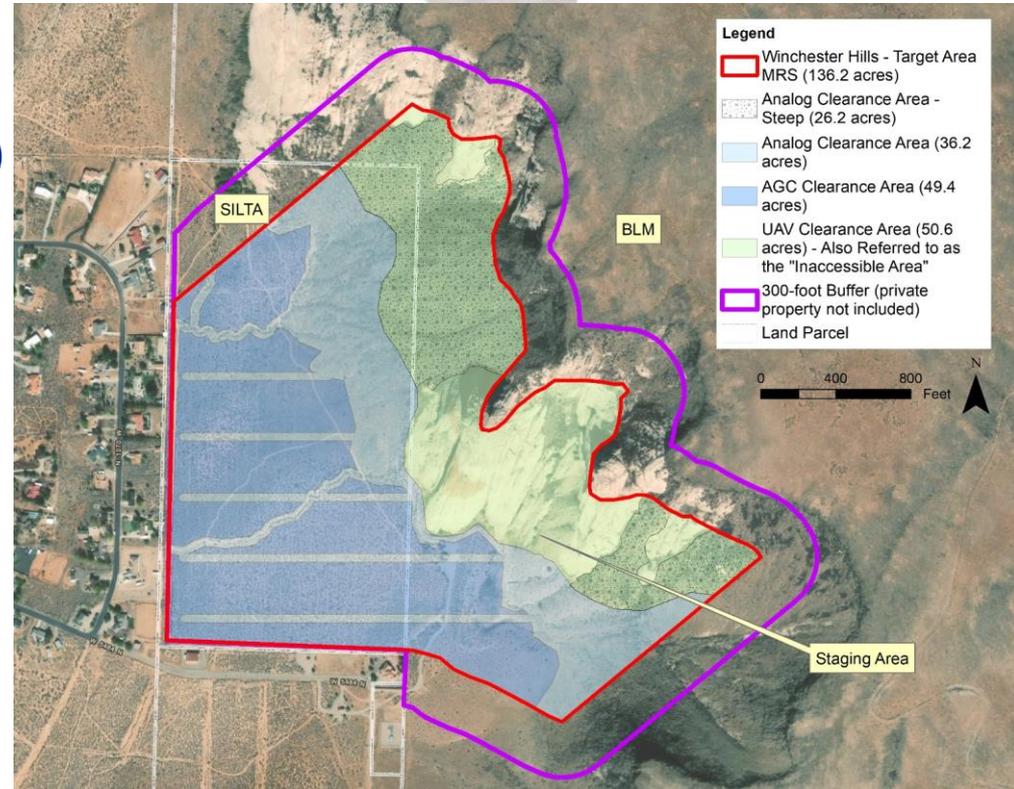
- **Site location:** The 1,946-acre MRS is located on State-owned land on the southeast coast/slope of Maui, and primarily is used for recreation.
- **MRS profile:** Sloped with lava flow.
- **Training history:** HIARNG trained from approximately 1965–2003. Documented training use includes small arms, sub-caliber rockets and mortars.
- **SI completed in 2017 concluded No MC, but potential for MEC.**
- **RI contract awarded in September 2019.**





Winchester Hills – Target Area, UT

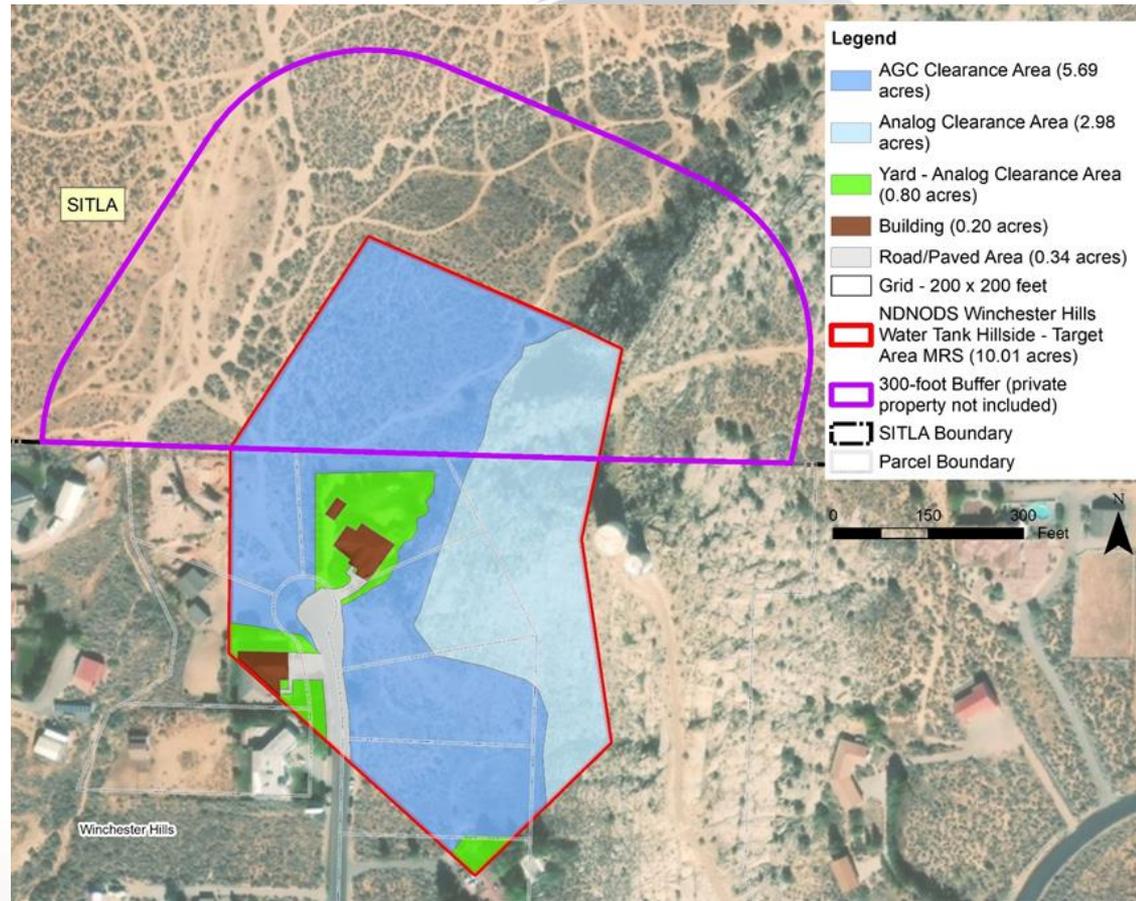
- Winchester Hills – Target Area MRS (UTHQ-019-R-01) is 136 acres. Prevalent MD, no MEC.
Remedial Action for 37mm and 105mm using AGC and analog where vegetation thinning is not possible (MEC removal surface and subsurface UU/UE)
- Update: As of Nov 2019 Field Work Ongoing.





Winchester Hills Water Tank Hillside – Target Area, UT

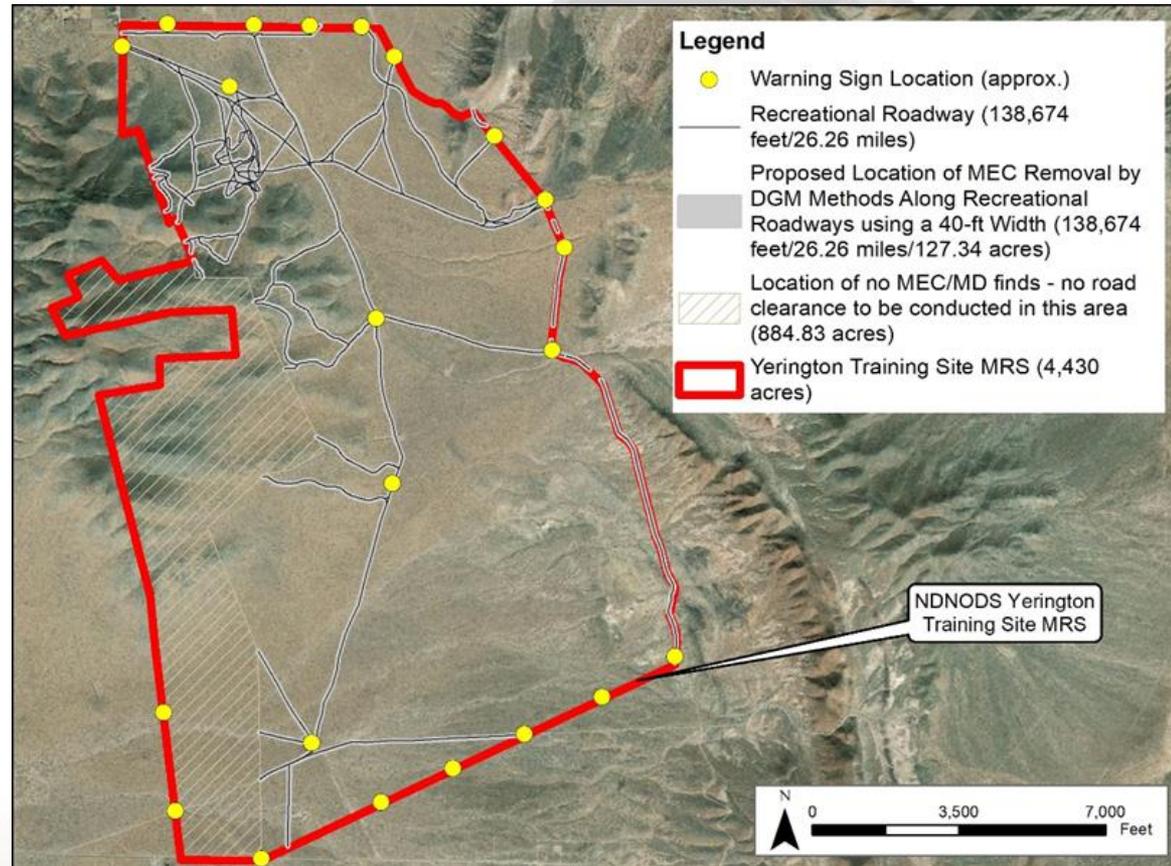
- Winchester Hills Water Tank Hillside - Target Area MRS (UTHQ-025-R-01) is 10 acres. Prevalent MD, no MEC. Remedial Action for 3.5-Inch Practice Rockets (MEC removal surface and subsurface using AGC to UU/UE)
- Update: Field Work Ongoing – Finishing in Dec 2019.**





Yerington Training Site - North, Nevada

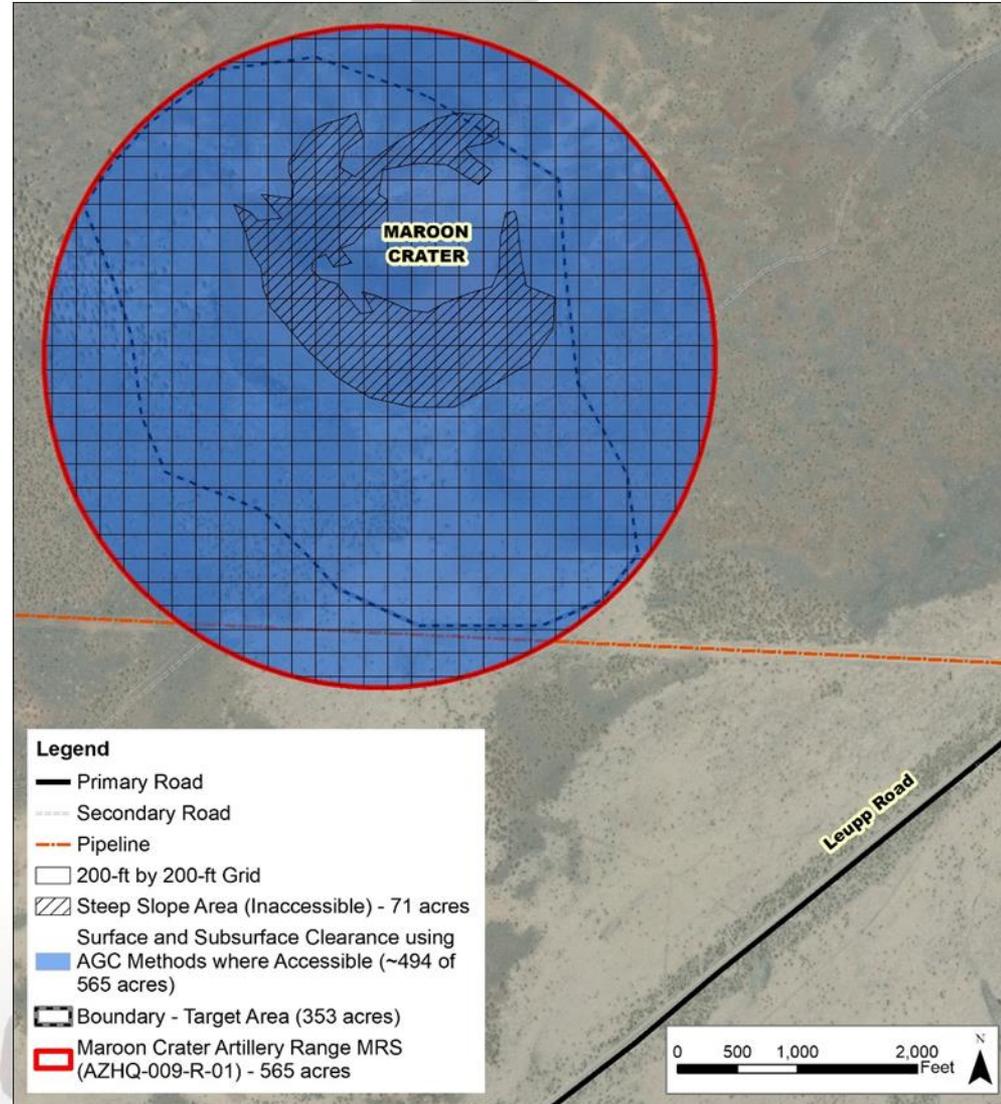
- Yerington Training Site – North MRS (NVHQ-001-R-01) is 4430 acres. One MEC item, widespread MD. Remedial Action for 40mm (LUCs and focused surface and subsurface clearance at recreational roadways)
- **Update: LUCIP Final. TPP1 Jan 2020**





Maroon Crater Artillery Range CMUA, Arizona

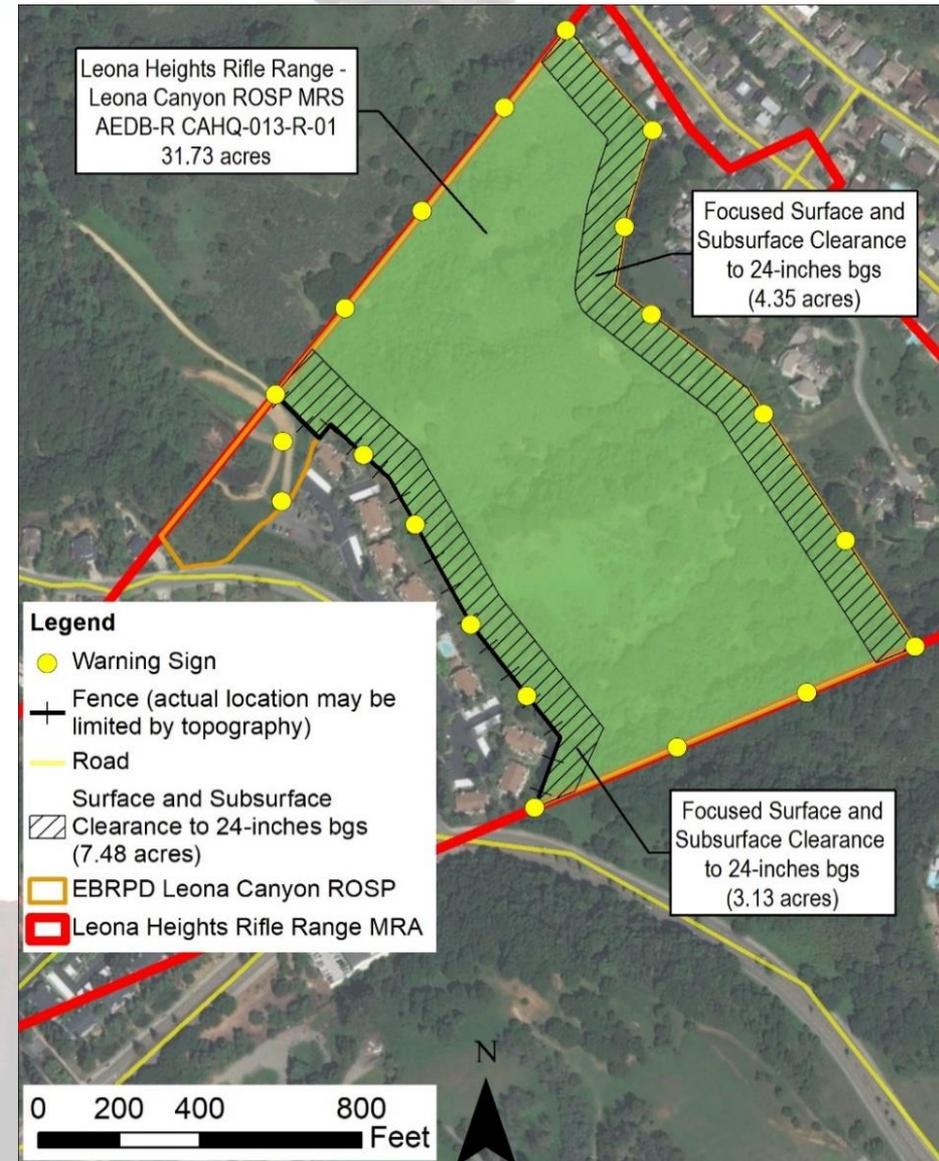
- Maroon Crater Artillery Range CMUA MRS (AZHQ-009-R-01) is 565 acres. No MEC found during SI or RI. Remedial Action for 60mm, 4.2-Inch, 81mm and 105mm (MEC removal surface and subsurface using AGC. LUCs for steep, inaccessible terrain, appx 71 acres) Programmatic Agreement for Archaeology.
- **Update: Planning for FW. Dec 2019, Doing Pilot Study with AGC on MRS and need Arch Support.**





Leona Heights Rifle Range, California

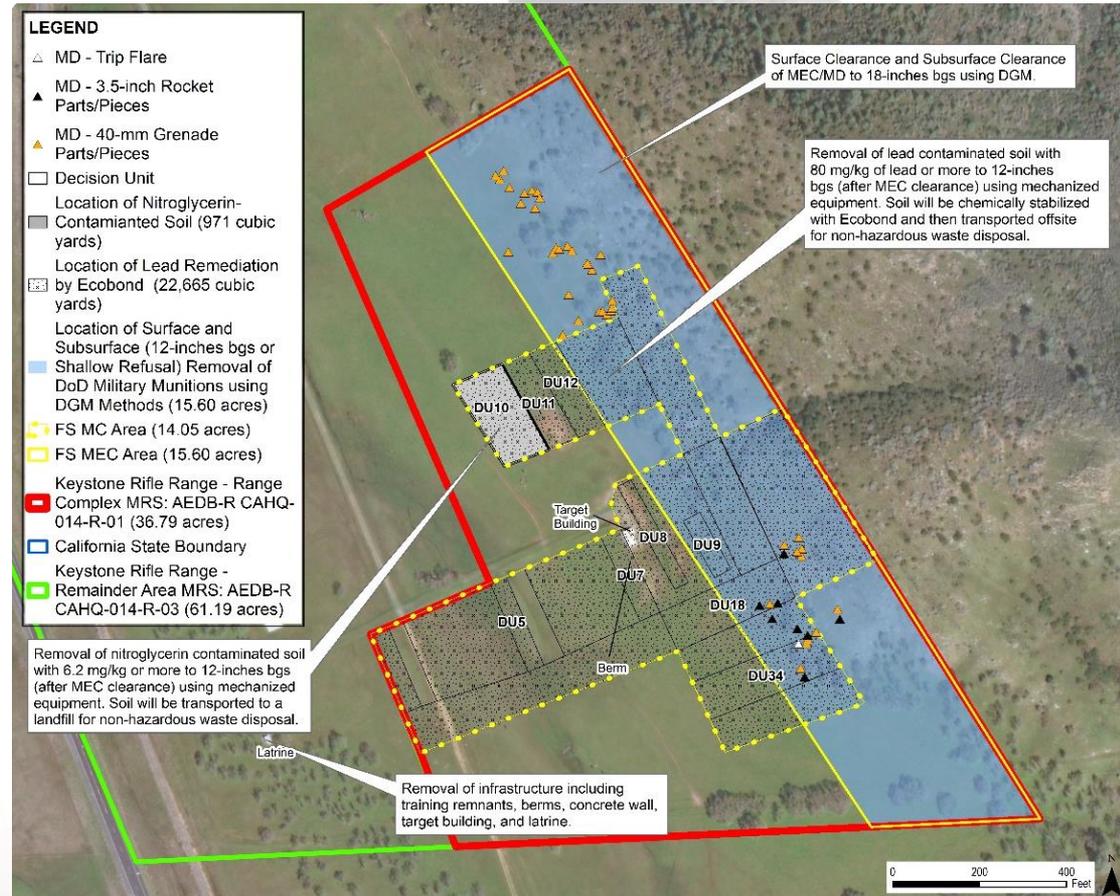
- Leona Heights Rifle Range MRS (CAHQ-013-R-01) is 32 acres. MEC found during SI, No MEC found during RI. Remedial Action for 3.5-Inch Stokes (Surface and subsurface clearance. LUCs for steep, inaccessible terrain, appx 24 acres)
- Update: Planning Phase for Field Work. Potential CA Whip Snake is slithering through the MRS





Keystone Rifle Range, CA

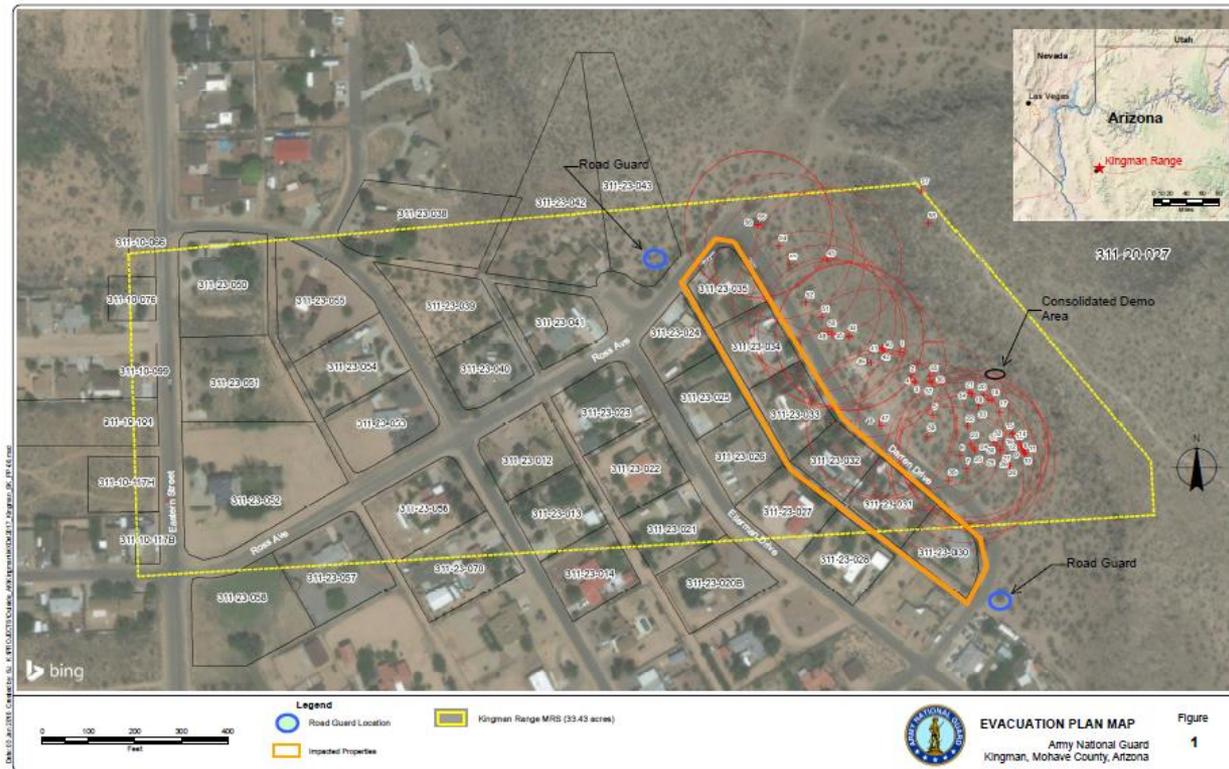
- Keystone Rifle Range – Range Complex (CAHQ-014-R-01) is 33.18 acres Remedial Action for 3.5-Inch Rocket and 40mm (lead-contaminated soil removal and MEC surface and subsurface UU/UE)
- Update: Contract Awarded, but not funded. CLIN to be funded in CY 2020





Kingman Range, Arizona MRS

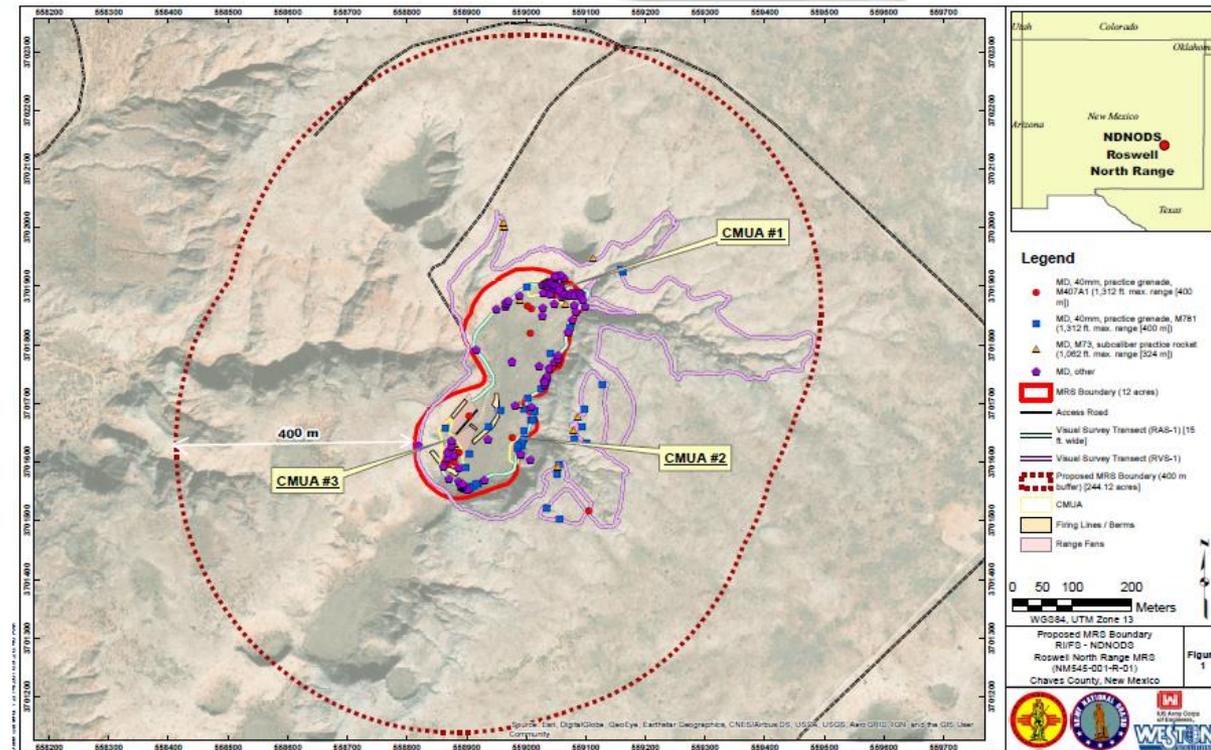
- SAA, mortar MD, and 3.5-Inch Rocket MD.
- Homeowners in six residences voluntarily left for the digs to occur.
- 16-19 July 2018 Dug 58 anomalies
- No MEC encountered.
- 9 pounds of MD found; 12 items total.
- Update: NFA Final RI Dec 2019. ROD completed by July 2020.





Roswell North Range MRS New Mexico

- **Site location:** The 244-acre MRS is located in SE New Mexico, east of Roswell. Grazing and agricultural uses. Managed by BLM.
- **MRS profile:** MRS boundary is formed by sedimentary rock escarpments to a limestone sinkhole. Terrain is steep and sinkhole is prone to storm water pooling.
- **Training history:** former pistol/rifle range, machine gun range, and light anti-tank weapon (LAW) training/demolition area.



Update: MD items were discovered outside the MRS in an area of potential overshoot. Additional investigation identified 19 MD items. MRS expanded from 12 to 244 acres. ROD completed by July 2020. No FS Costs yet.



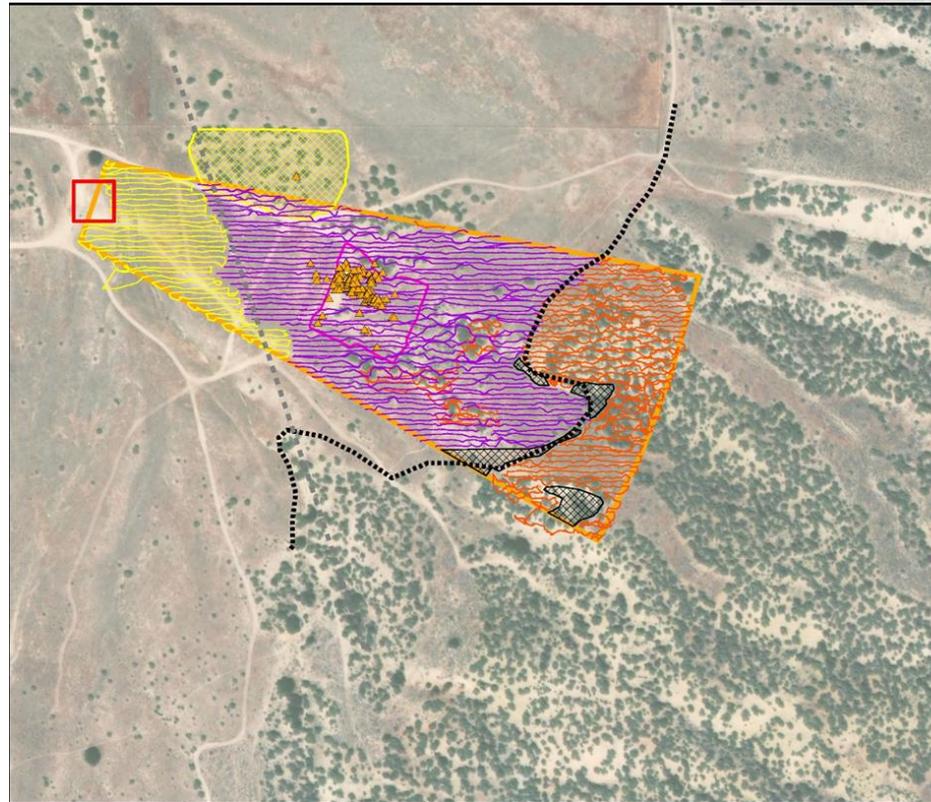
Manti Small Arms Range Manti, Utah



- Site location:** The 17-acre MRS located in Sanpete County, Utah. Owned by Utah Division of Wildlife Resources with unrestricted public access. Public small arms range overlaps the MRS to the southeast.

- Operational history:** Used as a small arms qualification range from approximately 1977-1995. 40mm grenade debris observed behind the primary target berm during the SI.

- Update:** ROD completed by Oct 2020.



RI Results

Manti Small Arms Range



U t a h
Manti Small Arms Range



NAD 1983 UTM Zone 12N
0 50 100 200 Feet

- RI Investigation Area - 16.8 acres
- RI DGM Grid
- MD (40mm grenade debris)
- Public Firing Range Boundary
- Estimated DGM Limit Boundary
- RI DGM Transects
- RI Mag & Dig Transects
- RI Visual Survey Transects
- RI 100% Mag & Dig
- RI 100% Visual Survey
- Area Inaccessible for Investigation



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The Remedial Investigation Field Team with Mr. Gleason and his dog, Trig.

LTC James C. Crowley; James.C.Crowley.mil@mail.mil; 703 601-7785

Mr. John B. Haines; John.B.Haines.Ctr@mail.mil; 703 607-7986



Safety



Remember the 3 Rs

Recognize: Recognize when you may have encountered a munition and the potential danger.

Retreat: Do not touch, move or disturb it, but carefully leave the area the way you entered.

Report: Call 911! Immediately notify local law enforcement of what you saw and where you saw it.

Additional Unexploded Ordnance Safety (UXO Safety)
located on ***DENIX*** <http://www.denix.osd.mil/uxo/>