

## **KEMRON TO MR Status**

### **Fort Ord MR BCT**

**July 12, 2024**

#### **UNIT 5 REMEDIAL ACTION UPDATE**

**(KEMRON TO 03)**

##### **FIELD ACTIVITIES**

###### **Unit 5 Target Digs Risk Reduction**

- The planned 95 target digs were completed by KEMRON on schedule on 6/24 (see attached status map).
- 39 pounds of MD, 148 pounds of OD, and one MPPEH item (projo, 75mm, HE, M48) were recovered during the op.
- Only one MD remnant of a large ordnance item was recovered during the conduct of the digs.
- Most anomalies were related to underground infrastructure.

##### **DOCUMENTS**

None. Results of the Unit 5 target digs will be reported in the upcoming Unit 5 RAR under TO 05.

#### **2024 ASM AND FUEL BREAKS QC DIGS UPDATE**

**(KEMRON TO 04)**

##### **FIELD ACTIVITIES**

###### **2024 ASM Field Monitoring**

- The 2024 ASM Field Monitoring in the Impact Area was completed on schedule on 6/17.
- A summary of the walking paths completed by unit is attached.

##### **DOCUMENTS**

###### **Pre-Draft 2024 ASM Report**

- The Pre-Draft 2024 ASM Report preparation was initiated shortly after field completion on 6/17.
- Preliminary recommendations are for no units to be proposed for discontinuing monitoring in 2025.

###### **Draft Final Fuel Breaks QC Digs Technical Information Paper**

- CESPCK continues a backcheck review of the Draft Final (3<sup>rd</sup> version) document and RTCs provided by KEMRON.

**FIELD ACTIVITIES**

**Unit 5 Data Gaps Risk Reduction – Vegetation Cutting**

- Vegetation cutting for the Unit 5 data gaps investigation began on 6/25 and was completed on 6/27.
- The GFE skid steer with mower attachment was used for the larger data gap areas.
- Some weed whacking of smaller areas and some tree limbing with pole saws was required to prepare all gap areas for investigation.

**Unit 5 Data Gaps Risk Reduction – Grid Staking**

- Grid staking of data gap areas was completed on 6/28.

**Unit 5 Data Gaps Risk Reduction – Investigations**

- Data gap investigations began at the conclusion of the gap area staking and will be completed by today.
- Map showing the large data gap locations (3.55 acres total) is attached.

**Unit 5 Target Box Filling**

- The target box filling field work will follow the completion of the Unit 5 data gap investigations.
- Figure showing the Unit 5 target box locations is attached.
- Erosion control work on Nason Road (mulch application) will be performed immediately following the completion of filling the target boxes.

**DOCUMENTS**

**Unit 5 Target Box Filling Summary Memorandum**

- This brief summary memorandum will be prepared after the completion of the target box filling and will be included in the Unit 5 RAR.

**Unit 5 Remedial Action Report**

- The Unit 5 RAR will be started shortly after completion and QC of all remaining Unit 5 field work.

**Fuel Breaks Remedial Action Report**

- Following approval of the Fuel Breaks TIP – Volume 3, KEMRON will prepare the Fuel Breaks RAR to document the completion of the remedial action in all of the Impact Area fuel break segments.

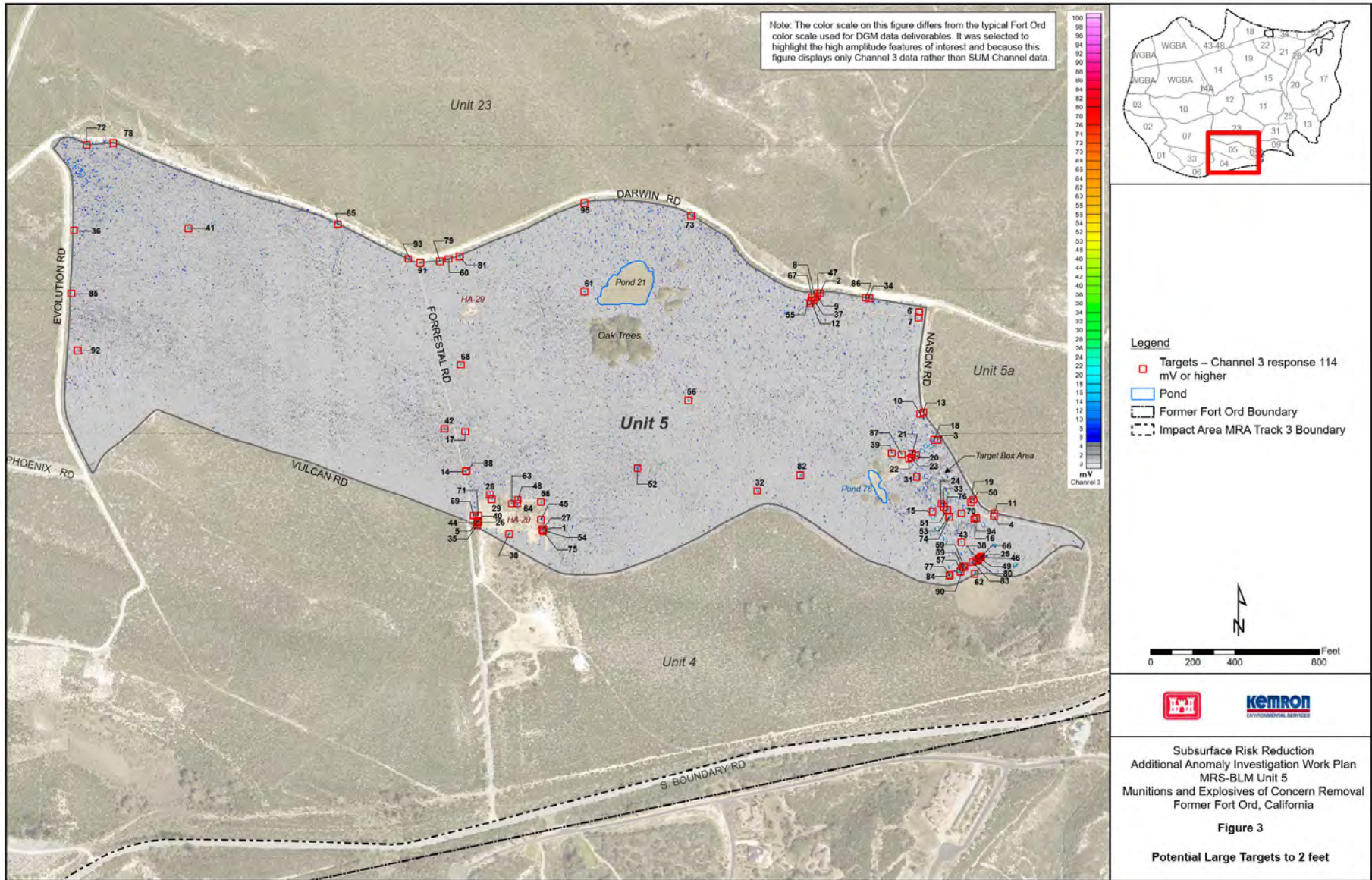
## **OTHER ACTIVITIES**

### **Incidental MEC Encounters**

- During the escort for the Harris Terracon biologists on 5/16/24, one MEC-like item was located in Range 48. The item was a Projectile, 60mm, Mortar, Practice, M50 series. Upon examination, the item was determined to be not fuzed and thus was placed at HA-37 as MD.

### **Explosives Storage Locker (ESL)**

- There are currently 25 items stored in the ESL pending demo ops:
  - 1 projo, 4.2-in, mortar, HE, M3
  - 6 projo, 81mm, mortar, HE, M43
  - 1 projo, 81mm, mortar, HE, M362
  - 1 projo, 75mm, HE, M48
  - 9 projo, 60mm, mortar, HE, M49
  - 1 projo, 60mm, mortar, HE, M720
  - 1 projo, 60mm, mortar, illum, M83
  - 2 projo, 37mm, LE, MK I
  - 1 projo, 37mm, LE, MK II
  - 1 grenade, hand, smoke, WP, M15
  - 1 simul, flash artillery, M110
- Items added since last IPM meeting are from 2024 ASM, Unit 5 Target Digs, and Incidental MEC finds.
- Some explosives also remain in ESL storage.
- The KEMRON SUXOS continues to perform weekly ESL inspections.



**2024 ANNUAL SURFACE MONITORING WALKING PATH SUMMARY**

Unit	Unit Acreage	1% acreage	Unit_Area_ft2	one_pcnt ft2	transect width	Min. distance (ft) for one percent	2024		Proposed Area ft2 (length X 15')	Area Walked ft2 (length X 15')	Proposed % of unit	Actual % of unit	Proposed Total Acres REV 1	Actual total acres
							Proposed length (ft) REV 2	2024 walked length						
11	273	2.73	11,891,880	118,919	15	7,928	12,900	14,678	193,500	220,170	1.63	1.85	4.44	5.05
12	203	2.03	8,842,680	88,427	15	5,895	7,637	8,772	114,551	131,580	1.30	1.49	2.63	3.02
14	297	2.97	12,937,320	129,373	15	8,625	10,268	11,285	154,024	169,275	1.19	1.31	3.54	3.89
15	237	2.37	10,323,720	103,237	15	6,882	11,723	13,395	175,845	200,925	1.70	1.95	4.04	4.61
18 HD	53	0.53	2,308,680	23,087	15	1,539	4,051	4,614	60,765	69,210	1.93	3.00	2.65	1.59
18 LD	84	0.84	3,659,040	36,590	15	2,439	3,016	3,389	45,240	50,835	1.24	1.39	1.04	1.17
19	228	2.28	9,931,680	99,317	15	6,621	10,343	10,892	155,145	163,380	1.56	1.65	3.56	3.75
21	169	1.69	7,361,640	73,616	15	4,908	10,426	11,058	156,390	165,870	2.09	2.25	3.52	3.81
23 HD	146	1.46	6,359,760	63,598	15	4,240	15,254	15,227	228,810	228,405	2.66	3.59	3.88	5.24
25	95	0.95	4,138,200	41,382	15	2,759	6,624	6,976	99,360	104,640	2.27	2.53	2.16	2.40
43-48	266	2.66	11,586,960	115,870	15	7,725	10,379	10,912	155,685	163,680	1.14	1.41	3.05	3.76
WGBA-NE HD	118	1.18	5,140,080	51,401	15	3,427	8,292	9,413	124,380	141,195	2.42	2.75	2.86	3.24
<b>Total:</b>							<b>110,913</b>	<b>120,611</b>	<b>1,663,694</b>	<b>1,809,165</b>	<b>1.76</b>	<b>2.10</b>	<b>37</b>	<b>42</b>
							<b>AVG</b>				<b>AVG</b>			

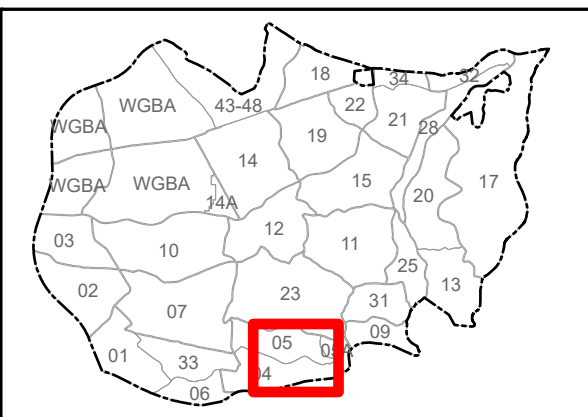
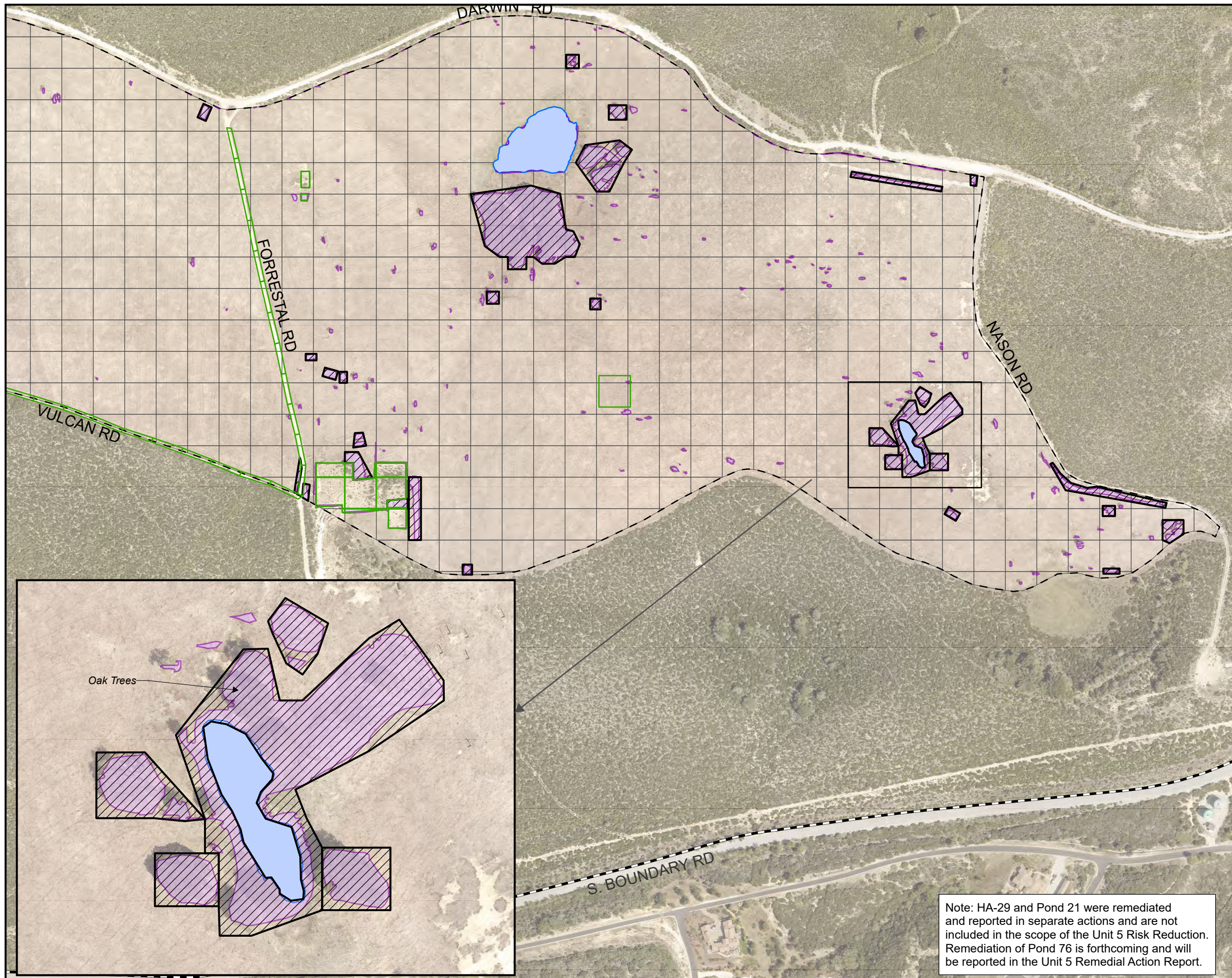
DAILY SUMMARY, 6-17-24

Dates In the Unit	Unit	Total Suspect MEC (Qty)	Total MD (All Tracks) (lbs)	MEC-like MD Observed (Y/N)	All MD Removed in Photos (Y/N)	Total RRD/OD (lbs)	All RRD/OD Removed in Photos (Y/N)	Vegetation Height Photos (Y/N)	Erosion Photos (Y/N)
6-4-2024	WGBA-NE Track 1	Grenade, Smoke, WP, M15, Burster	7	N	Y	N/A	N	Y	N
6-5-2024	Ranges 43-48 South Track 1	0	4	N	Y	N/A	N	Y	N
6-5-2024	Ranges 43-48 South Track 2	0	3	N	Y	N/A	N	Y	N
6-5-2024	Ranges 43-48 South Track 3	0	0	N	N	N/A	N	Y	N
6-6-2024	Unit 14 Track 1	Projectile, 37mm, LE, MK I	7	N	Y	N/A	N	Y	N
6-7-2024	Unit 19 Track 1	(2) Projectile, 60mm, mortar, HE, M49 series	17	N	Y	N/A	N	Y	Y
6-3-2024	Unit 18 Track 1-LD	0	0	N	N	N/A	N	Y	N
6-3-2024	Unit 18 Track 2-HD	0	9	N	Y	N/A	N	Y	N
6/10/2024	Unit 15 Track 1	0	4	N	Y	N/A	N	Y	N
6/10/2024	Unit 15 Track 2	0	0	N	N	N/A	N	Y	N
6/11/2024	Unit 21 Track 1	0	2.5	Y	Y	N/A	N	Y	Y
6/12/2024	Unit 11 Track 1	0	.5	N	Y	N/A	N	Y	Y
6/12/2024	Unit 11 Track 2	0	0	N	N	N/A	N	Y	N
6/12/2024	Unit 11 Track 3	0	0	N	N	N/A	N	Y	N
6/12/2024	Unit 11 Track 4	0	0	N	N	N/A	N	Y	N
6/12/2024	Unit 11 Track 5	0	0	N	N	N/A	N	Y	N
6/13/2024	Unit 12 Track 1	0	4	N	Y	N/A	N	Y	N
6/13/2024	Unit 12 Track 2	0	6.5	N	Y	N/A	N	Y	N
6/14/2024	Unit 23 Track 1	0	5	N	Y	N/A	N	Y	N

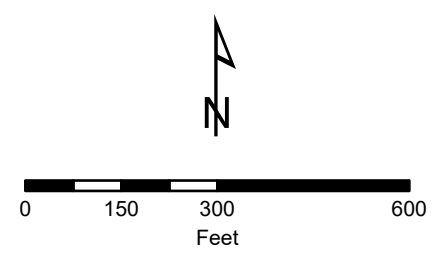
DAILY SUMMARY, 6-17-24

6/17/2024	Unit 25 Track 1	0	0	N	N	N/A	N	Y	N
6/17/2024	Unit 25 Track 2	0	0	N	N	N/A	N	Y	N
6/17/2024	Unit 25 Track 3	0	5	N	Y	N/A	N	Y	N
6/17/2024	Unit 25 Track 4	0	0	N	N	N/A	N	Y	N
6/17/2024	Unit 25 Track 5	0	0	N	N	N/A	N	Y	N

\*If we did not remove all the MD or RRD/OD in a photograph please make sure your photo notes are thorough so we can note this in the report. It is assumed that if you took an erosion photo you felt it could expose MEC/MD. Every path needs at least 2 vegetation height photos!!



- Legend**
- Large Gap (Simplified)
  - Data Gap
  - U5\_grids\_all
  - Pond
  - Unit 5 Boundary
  - Impact Area MRA
  - Former Fort Ord Boundary
  - U5\_MR\_OPS\_clip

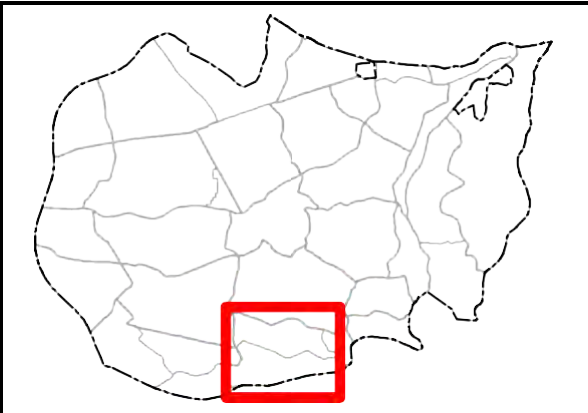
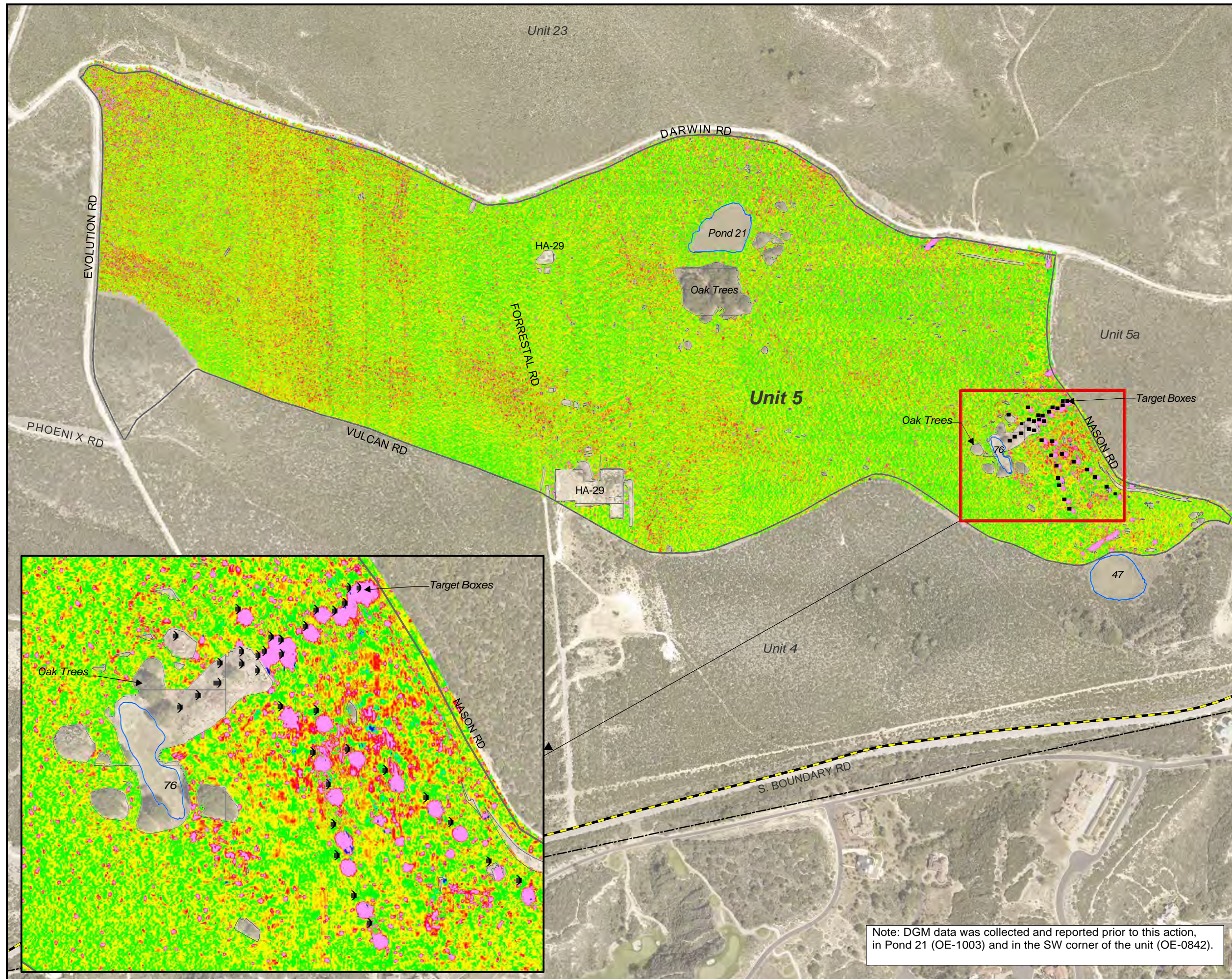


Subsurface Risk Reduction  
 Additional Anomaly Investigation Work Plan  
 MRS-BLM Unit 5  
 Munitions and Explosives of Concern Removal  
 Former Fort Ord, California

**Figure**  
**Remaining Large Data Gaps Proposed**

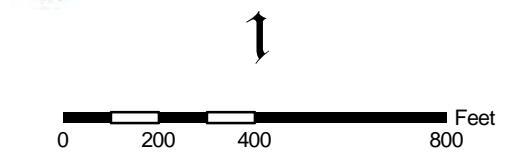
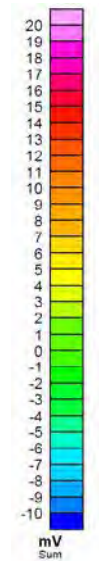
Note: HA-29 and Pond 21 were remediated and reported in separate actions and are not included in the scope of the Unit 5 Risk Reduction. Remediation of Pond 76 is forthcoming and will be reported in the Unit 5 Remedial Action Report.





- Legend**
- Former Target Box (Concrete Vault)
  - No DGM (previously completed area, vegetation, or cultural feature)
  - ▭ Unit 5 Boundary
  - ▭ Pond Boundary
  - ▭ Impact Area MRA Boundary
  - ▭ Former Fort Ord Boundary

DGM Survey Response Value Scale



MRS-BLM Unit 5  
 MEC Remedial Action  
 DGM Evaluation  
 Former Fort Ord, California

**Figure 5**  
 DGM Survey Results

Note: DGM data was collected and reported prior to this action, in Pond 21 (OE-1003) and in the SW corner of the unit (OE-0842).