Site Specific Work Plan
Fuel Breaks Supplemental Subsurface Munitions and Explosives of Concern Removal, Impact Area Munitions Response Area
Former Fort Ord, California
Orion Road and Watkins Gate Road

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U.S. Army Corps of Engineers, Sacramento District
1325 J Street
Sacramento, California 95814

Prepared by

KEMRON
ENVIRONMENTAL SERVICES

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Authored by: Maggie Sheatzley Date: 9/12/2023

Maggie Sheatzley
Technical Editor
Cedar Bend Consultants, LLC

Review by: Brad Olson Date 9/12/2023

Brad Olson
Senior UXO Supervisor
KEMRON

Approved by: Steve Crane Date: 9/12/23

Steve Crane, PE, F. SAME
Project Manager
KEMRON

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Acronyms and Abbreviations

AGC	Advanced Geophysical Classification
BRAC	Base Realignment and Closure
BSI	Blind Seed Items
CTS	California Tiger Salamanders
DDESB	Department of Defense Explosives Safety Board
DGM	Digital Geophysical Mapping
EOD	Explosive Ordnance Disposal
ESA	Endangered Species Act
FS	Feasibility Study
GPS	Global Positioning System
GSV	geophysical system verification
HFD	Hazardous Fragment Distance
ISO	Industry Standard Objects
KEMRON	KEMRON Environmental Services, Inc
KO	Contracting Officer
MD	Munitions Debris
MEC	Munitions and Explosives of Concern
MFD-H	Maximum Fragmentation Distance-Horizontal
MGFD	Munition with the Greatest Fragmentation Distance
MM2x2	MetalMapper 2x2
MPPEH	Material Potentially Presenting an Explosive Hazard
MQO	Measurement Quality Objective
OESS	Ordnance and Explosives Safety Specialist
PM	Project Manager
QA	Quality Assurance
QC	Quality Control
RA	Remedial Action
RI	Remedial Investigation
RTK	Real Time Kinematic
SSWP	Site-Specific Work Plan
SUXOS	Senior Unexploded Ordnance Supervisor
TOI	Targets of Interest
UXOQCS	Unexploded Ordnance Quality Control Specialist

1.0 Introduction

This Site-Specific Work Plan (SSWP) outlines the site-specific procedures for munitions response[1] to complete the supplemental subsurface munitions and explosives of concern (MEC) removal in the Impact Area Munitions Response Area (MRA) Fuel Break System (Orion Road and Watkins Gate Road). Under the *Final Record of Decision Impact Area Munitions Response Area Track 3 Munitions Response Site Former Fort Ord, California* (Track 3 Record of Decision [ROD]; United States Department of the Army [Army], 2008), the selected remedy for the Impact Area MRA includes subsurface MEC removal on the fuel break roads. The majority of this work is complete and reported in *DRAFT FINAL Volume 1, Technical Information Paper Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021) and *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC Removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a). As described in these documents, the prime contractor's period of performance ended before completing the intrusive investigation of 1,543 targets representing potential targets of interest (TOI) and their associated Quality Control (QC) and Quality Assurance (QA) seed items. These remaining anomalies are located on Orion Road north of Hawkeye Road (grids OR086-OR135) and Watkins Gate Road (grids WG146-WG186). These grids are identified in Figure 1 and Figure 2.

The remaining intrusive investigations are part of the supplemental subsurface MEC removal utilizing advanced geophysical classification (AGC) with the MetalMapper 2x2 (MM2x2). The subsurface targets were previously classified according to the AGC process and selected for intrusive investigation during munitions response activities in 2020. The AGC classification process and selections are detailed in the *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC Removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a). The *Quality Assurance Project Plan, Superfund Response Action, Former Fort Ord, California, Volume II Munitions Response, Appendix B Advanced Geophysical Classification for Munitions Response Quality Assurance Project Plan Addendum* (KEMRON, 2023) was prepared for the remaining AGC-based work.

The subsurface MEC removal on the fuel break roads within the Impact Area MRA was initiated under the *Final, Site-Specific Work Plan, Munitions and Explosives of Concern Remedial Action, Non-Burn Areas, Former Fort Ord, California* (Non-Burn SSWP; (Shaw, 2010)) which was developed in 2010 and encompassed the planned remedial actions (RAs) for non-burn areas. Changes to the Non-Burn SSWP (Shaw, 2010) that relate to the fuel breaks are listed in Section 1.5. This SSWP incorporates the current procedures that will be utilized for the remaining supplemental subsurface MEC removal activities on Orion Road and Watkins Gate Road. Figure 1 provides a general site layout of the Impact Area MRA Fuel Break System. Supplemental subsurface MEC removal activities planned for the fuel break system will be conducted in accordance with the *Final Work Plan, Remedial Design/Remedial Action, Track 3 Impact Area*

[1] Title 32 Code of Federal Regulations Section 179.3 defines "munitions response" as "response actions, including investigation, removal actions, and remedial actions, to address the explosives safety, human health, or environmental risks presented by unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC), or to support a determination that no removal or remedial action is required."

Munitions Response Area, Former Fort Ord (Track 3 RD/RA WP; (USACE, 2009)) and *Remedial Design (RD)/Remedial Action (RA) Work Plan Update, Track 3 Impact Area Munitions Response Area (MRA) Munitions and Explosives of Concern (MEC) Removal, Former Fort Ord, California* (Track 3 RD/RA WP Update; (KEMRON, 2018)).

1.1 Site Location and History

The former Fort Ord consists of approximately 46 square miles of land located in northwestern Monterey County, California. The Impact Area MRA consists of the 6,560-acre portion of the 8,000-acre historical Impact Area that is entirely within the natural resources management area described in the *Installation-Wide Multispecies Habitat Management Plan for Former Fort Ord, California* [HMP] (USACE, 1997) and is currently identified for transfer to the BLM. The Programmatic Biological Opinion (USFWS, 2017) identifies the permanent fuel breaks as development areas that would be regularly maintained by mowing and lists several conservation measures to minimize impact to listed species present within the fuel breaks.

Military activity at the former Fort Ord included the use of the site for cavalry, field artillery, and infantry unit training, including maneuvers and live-fire training operations, from 1917 through 1994. Munitions used at the former Fort Ord included artillery and mortar projectiles, rockets, guided missiles, rifle and hand grenades, training land mines, pyrotechnics, bombs, and demolition materials. Multiple firing ranges operated within the historical impact area, with weapon firing generally directed toward the center of the impact area.

Fort Ord was placed on the National Priorities List of Superfund sites by the U.S. Environmental Protection Agency in 1990. Remedial investigation (RI), feasibility study (FS), and remedial action (RA) activities at the former Fort Ord are being conducted under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980. The former Fort Ord was selected in 1991 for Base Realignment and Closure, and the base was officially closed in September 1994.

The Army completed the *Final Track 3 Impact Area Munitions Response Area Munitions Response Remedial Investigation/Feasibility Study Former Fort Ord, California* (MACTEC, 2007) for the Impact Area MRA in 2007, followed by the *Final Track 3 Record of Decision, Impact Area Munitions Response Area, Track 3 Munitions Response Site, Former Fort Ord, California* [Track 3 ROD] (Army, 2008), RD/RA WP (USACE, 2009), and development of the Track 3 RD/RA WP Update (KEMRON 2018) to guide future RA activities in the Impact Area MRA. The selected remedy for the Track 3 Impact Area MRA is Technology-Aided Surface MEC Remediation, With Subsurface MEC Remediation in Selected Areas and Land Use Controls.

The Impact Area MRA includes a system of permanent fuel breaks that also serve as access roads throughout the interior of the MRA (Figure 1). The Impact Area MRA permanent fuel break system is based primarily on pre-existing Army fuel breaks designed to contain fires in the dense maritime chaparral caused by military training involving explosive weapons and ordnance.

Under the Track 3 ROD (Army, 2008), the selected remedy includes subsurface MEC removal on the fuel breaks. The fuel breaks were designed to be 45 to 50 feet wide and consist of a central road of 15 to 20-foot width, with areas cleared of vegetation 15 feet wide on each side of the road. The subsurface MEC removal actions have been conducted over time. Additional site background is provided in Section 2.0 of the *DRAFT FINAL Volume 1, Technical Information Paper Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021).

1.2 MEC-Related Activities and Data Collected Prior to Supplemental Subsurface MEC Removal

Munitions responses conducted within the fuel breaks occurred in four separate efforts:

1. Prior to May 2008 signature of the Track 3 ROD
2. 2008 (Track 3 ROD) – 2015 (Shaw Environmental and ITSI Gilbane prime contractors)
3. 2015 – 2019 (KEMRON prime contractor)
4. Supplemental MEC removal using AGC (2018-2020)

The majority of this work was previously completed and reported in *DRAFT FINAL Volume 1, Technical Information Paper Fuel Breaks Impact Area, Former Fort Ord, California* (KEMRON, 2021) and *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a). This SSWP outlines the procedures for the remaining intrusive investigation of 1,543 targets representing potential TOI (including QC and QA seed items) located on Orion Road north of Hawkeye Road (grids OR086-OR135) and Watkins Gate Road (grids WG146-WG186). See Appendix A for the ranked target list.

1.3 Completed Supplemental Subsurface MEC Removal Activities

Sections 1.3.1, 1.3.2, and 1.3.3 summarize the supplemental MEC removal activities completed through 2020. Additional information is documented in the *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC Removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a). All supplemental subsurface MEC removal activities could not be completed within the period of performance of the Task Order; therefore, the intrusive investigation of 1,543 targets representing potential TOI (including QC and QA validation seed items) remains to complete the supplemental subsurface MEC removal. These targets are located on Orion Road north of Hawkeye Road (grids OR086-OR135) and on Watkins Gate Road (grids WG146-WG186). The verification and validation process for these 1,543 targets is complete and included as Appendix C-5 of the *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a).

Based on the completion of the MM2x2 and classification process, the associated removal of

TOIs, and the demonstrated absence of TOIs remaining in the selected anomaly population, the supplemental subsurface MEC removal objective has been successfully met for the completed portions of the subsurface removal area. This objective is defined as addressing the possibility of MEC items remaining in portions of the Impact Area MRA fuel breaks where the following three conditions were met:

- Analog subsurface removal actions performed prior to the Track 3 ROD
- High pre-analog survey anomaly density
- Previously recovered 81mm mortar projectiles

These areas are displayed on Figure 2 in the *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a).

1.3.1 Blind Seed Placement

Prior to the AGC of the supplemental MEC removal, QC seed items were placed in random locations in the subsurface throughout the subsurface removal area to verify the quality of subsurface MEC removal activities, including analog removal, MM2x2 data acquisition, processing and analysis, and intrusive investigation. QC seed item locations were camouflaged with dirt or vegetation to hide ground disturbance, and no QC seed items were placed in paved areas. QC seed items consisted of small schedule-80 industry standard objects (ISO). 78 QC seed items were buried 6 inches below ground surface. Seed items were emplaced by the QC Geophysicist and a UXO Technician II utilizing a real time kinematic (RTK) global positioning system (GPS) receiver to measure location information for each seed item, and precise burial information was recorded. To maintain the integrity of the QC program, seed item burial information was not provided to personnel involved in data acquisition, processing, or intrusive investigation activities until those activities were completed. 30 QC seed items remain located on Orion Road north of Hawkeye Road (grids OR086-OR135) and on Watkins Gate Road (grids WG146-WG186). The *Quality Control Seeding Report - Supplemental Subsurface MEC Removal, Impact Area Munitions Response Area, Permanent Fuel Breaks, Former Fort Ord, California* documents the QC seed item burial information for the 48 QC seed items located in the completed portions of supplemental subsurface MEC removal. This Quality Control Seeding Report is Appendix A of the *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC Removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a).

The USACE QA Geophysicist verified that all QA validation seed items were successfully detected. 78 QC seed items were detected and selected as targets for the classification survey, but one seed was removed after the dynamic detection survey and before the static classification survey, so only 77 were present for the classification survey. All 77 were identified as TOIs for subsurface removal on the ranked classification dig list and recovered during subsurface removal operations in accordance with the seed item recovery measurement quality objective (MQO) established in Worksheet 22 of the *Final Quality Assurance Project Plan Superfund Response Actions Former Fort Ord, California Volume II Munitions Response Appendix B Advanced Geophysical*

Classification for Munitions Response Quality Assurance Project Plan [AGCMR-QAPP Addendum] (KEMRON, 2023), as modified for MM2x2 by FWV 012 (KEMRON, 2018e).

1.3.2 Analog Subsurface MEC Removal

Analog subsurface MEC removal utilizing handheld metal detectors was completed, in accordance with the *Final Quality Assurance Project Plan, Superfund Response Actions Former Fort Ord, California, Volume II, Appendix A, Munitions and Explosives of Concern Remedial Action* [MEC QAPP] (KEMRON, 2016), prior to MM2x2 AGC DGM in two grids, Orion Road grid OR066 and Nowhere Road grid NR151, where the EM61-MK2 DGM data indicated high subsurface anomaly density (greater than 200 anomalies per acre). This work was completed between November 8, 2018 and November 20, 2018 and included 925 individual investigations. 126 pounds of MD were recovered, along with 2 QC seeds (not included in the 78 QC seeds emplaced for the AGC survey as discussed in Section 1.4.1) and 1 QA validation seed. No MEC items were recovered in the analog subsurface MEC removal.

1.3.3 Advanced Geophysical Classification Activities (MetalMapper 2x2)

The MM2x2 investigation included dynamic detection survey, in which 23,023 subsurface anomalies were identified for investigation in the follow-on static MM2 x2 classification survey. The classification survey results included the identification of 11,416 anomalies for intrusive investigation and subsurface removal and 11,607 anomalies as high-confidence non-targets of interest, or items not selected for intrusive investigation. Of the 11,416 anomalies for intrusive investigation and subsurface removal, 9,873 were completed and 1,543 anomalies remain to be completed. Of the 11,607 anomalies as high-confidence non-TOIs, 6,477 were completed and 5,130 remain to be completed. A summary of the classification results is presented in Table 3 of the *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC Removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a).

Gaps in the dynamic AGC detection survey due to terrain or vegetation occurred in 40 grids on Orion Road and 26 grids on Watkins Gate Road. Figure 4 and Table 2 display the AGC data gap locations. Section 2.3.3 provides the procedure for filling in these data gap areas.

1.4 Changes to the 2010 Non-Burn Site Specific Work Plan

The Non-Burn SSWP (Shaw, 2010) detailed the scope and site-specific procedures for the MEC RA within the network of the Impact Area MRA Fuel Break System. The FWVs for the Non-Burn SSWP (Shaw, 2010) are briefly summarized in this section.

- TII-045 (Shaw, 2011a): Modified portions of the permanent fuel break system originally included in the Non-Burn SSWP (Shaw, 2010).
- 03-002 (Innovative Technical Solutions, Inc, 2011): Clarified steps to be taken during subsurface MEC remediation with regard to 1) DGM anomaly density in fuel breaks, 2) Data gaps in DGM, 3) Special Case Areas (from Parsons work), and 4) QC in fuel breaks.
- 03-021 (Gilbane, 2015): Removed Evolution Road north of Broadway Avenue from the

fuel break network.

- 001 (KEMRON, 2015a): Added Hugo Road to the fuel break network.
- 004 (KEMRON, 2016a): Incorporated realignment of Nowhere Road as part of the fuel break network.
- 013 (KEMRON, 2018a): Incorporated realignment of Evolution Road as part of the fuel break network.
- 014 (KEMRON, 2018b): Incorporated portions of Impossible Canyon Road, and a realignment of a section of Impossible Canyon Road to mitigate erosion concerns, as part of the fuel break network.
- 015 (KEMRON, 2018c): Removed Steep Road from the fuel break network.
- 017 (KEMRON, 2018d): Supplemental QC investigation results indicated that the portions of the Impact Area MRA fuel break system where MEC and MEC-like munitions debris (MD) items were most likely to remain correlated to the parts of the Impact Area MRA where 81mm mortars were previously recovered and where the pre-subsurface removal anomaly density was highest. Additional subsurface removal was recommended in 25.5 acres of the Impact Area MRA fuel break system to address the possibility of MEC items remaining in these areas. The assessment of those segments is complete, and selected anomalies remaining to be intrusively investigated are identified in *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC Removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a).

1.5 Changes to Work Plan

This SSWP was prepared after evaluation and is based on the best available information. During execution of the work, however, unforeseen circumstances or events may arise that require modification to the procedures discussed herein. The following approach will be followed should the need arise to modify this SSWP:

- An initial assessment will be made by the KEMRON Environmental Services, Inc (KEMRON) Project Manager (PM) who will discuss a potential modification with the USACE PM (and Contracting Officer (KO), if the change also requires a contract modification). The KEMRON PM (or his designee) will determine and document via memorandum to the USACE PM, KO (if applicable), and the Fort Ord Base Realignment and Closure (BRAC) Office whether the change is material or procedural and how it will be implemented. If the change is material, the Army will notify regulatory agencies.
- Under no circumstances will any change to this SSWP be executed unless specifically approved by the USACE PM and the KEMRON PM.
- If the circumstances requiring the change are material and involve a safety or quality concern, the KEMRON PM will immediately suspend work affected by the unforeseen condition or activity until the cause is investigated and approved procedures are in place. The KEMRON PM will also immediately notify the USACE PM and, if appropriate, the Fort Ord BRAC Office.

KEMRON will develop and submit the required changes to USACE PM for review and

approval/acceptance. Approved modifications will be incorporated into this SSWP and provided to the Fort Ord BRAC Office, regulatory agencies, and interested stakeholders prior to implementation. Changes to the SSWP will be identified with a FWV. Signed FWVs will be provided to the Fort Ord BRAC Office, regulatory agencies, and interested stakeholders, regardless of whether the change is procedural or material.

2.0 Technical Management Plan

2.1 Purpose and Scope

This Technical Management Plan identifies the approach, methods, and operational procedures to be employed during the supplemental subsurface MEC removal on the fuel break system. The scope includes the intrusive investigation of 1,543 targets (Figure 3) representing potential TOIs (including QC and QA validation seed items) and anomaly investigations of DGM data gaps (Table 2 and Figure 4). These targets are on Orion Road north of Hawkeye Road (grids OR086-OR135) and on Watkins Gate Road (grids WG146-WG186). Previous munitions response actions that occurred in the fuel break system are discussed in Sections 1.3 and 1.4. Table 1 and Figure 5 provide the previously recovered MEC from the upcoming work areas (not from all the fuel breaks).

2.2 General Requirements

This section presents the general requirements for the remaining supplemental subsurface MEC removal activities. Personnel duties can be found in the MEC QAPP (KEMRON, 2016), and KEMRON's organization structure for the supplemental subsurface MEC removal are profiled in the AGCMR-QAPP Addendum (KEMRON, 2023). Work performed at the site will be conducted in accordance with the *Final, Revision 4, BASEWIDE ACCIDENT PREVENTION PLAN Munitions and Explosives of Concern Removal and Soil Remediation Project, Former Fort Ord, California* (KEMRON, 2021b).

2.2.1 Update to Regulatory Guidance

Supplemental subsurface MEC removal activities will be conducted in accordance with the Final Work Plan, Remedial Design/Remedial Action, Track 3 Impact Area Munitions Response Area, Former Fort Ord [Track 3 RD/RA WP] (USACE, 2009), and Remedial Design (RD)/Remedial Action (RA) Work Plan Update, Track 3 Impact Area Munitions Response Area (MRA) Munitions and Explosives of Concern (MEC) Removal, Former Fort Ord, California [Track 3 RD/RA WP Update] (KEMRON, 2018).

The work will be performed under the requirements outlined in the Department of Defense Explosives Safety Regulation, 6055.09, Edition 1 (DESR, 2019), Safety and Health Manual, EM385-1-1 (USACE, 2014), the Department of Defense Explosive Safety Board's Methodologies for Calculating Primary Fragment Characteristics Technical Paper 16, Revision 4 (DDESB, 2016), and the Minimum Qualifications for Personnel Conducting Munitions and Explosives of Concern-

Related Activities, Technical Paper 18, Revision 1 (DDESB, 2020). Additional applicable guidance, regulations, and policies are provided in the MEC QAPP (KEMRON, 2016).

2.2.2 Chemical Warfare Materiel Procedures

Chemical Warfare Materiel (CWM) is not expected to be encountered within the fuel breaks or anywhere on former Fort Ord based on historical research and previous investigations. Procedures to be followed if is encountered during work performed within the fuel freaks are provided in UXO SOP 5 from the MEC QAPP (KEMRON, 2016). Further details regarding procedures to be followed in the event of the discovery of a suspect CWM item can be found in the Recovered Chemical Warfare Material Response Process, Engineering Pamphlet 75-1-3 (USACE, 2004). In the unlikely event of encountering Chemical Agent Identification Set kits, they will be handled in accordance with the procedures includes in the Army's Interim Guidance, Chemical Warfare Material Responses and Related Activities (Army, 2009), dated 1 April 2009.

2.2.3 Procedures When MPPEH Cannot Be Readily Identified

In the event that a Material Potentially Presenting an Explosive Hazard (MPPEH) is encountered that cannot be readily identified, the USACE Ordnance and Explosives Safety Specialist (OESS) will be notified. If the USACE OESS is unable to identify the item, the USACE OESS will notify the USACE PM immediately. Next, the USACE OESS will contact an active-duty Explosive Ordnance Disposal (EOD). The SUXOS will ensure that the area is secured until properly relieved by active-duty EOD personnel, or local authority.

If an item with an unknown filler is encountered by the field team, the item will be marked using a GPS, covered with plastic, surrounded with sandbags, and plywood will be placed over the item. Security for these items will be in place when MEC teams are not working in the fuel break system. KEMRON will immediately notify the Fort Ord BRAC Office and the USACE OESS. The OESS will notify EOD and request mobilization to confirm liquid presence by means of X-ray. Upon confirmation of liquid filler, the OESS will notify Chemical, Biological, Radiological, Nuclear, Explosives Command and request a mobilization to make a determination as to the type of liquid filler within the item. The SUXOS will ensure that the area is secured until properly relieved by active-duty EOD personnel, the Chemical, Biological, Radiological, Nuclear and Explosive Command, or local authority. See UXO SOP 5 from the MEC QAPP (KEMRON, 2016). Further details can be found in the Recovered Chemical Warfare Material Response Process, Engineering Pamphlet 75-1-3 (USACE, 2004) and the Army's Interim Guidance, Chemical Warfare Materiel Responses and Related Activities (Army, 2009), dated 1 April 2009.

2.3 Technical Scope

The technical scope includes subsurface MEC removal, associated QC, and reporting on Watkins Gate Road and Orion Road. Supplemental subsurface MEC removal activities completed through 2020 are described in Section 1.4 and documented in the *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC Removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (KEMRON, 2021a).

2.3.1 Vegetation Clearance

The UXO team will perform manual vegetation clearance as required on Watkins Gate Road and Orion Road. Fuel breaks should receive mowing on a regular basis to serve their purpose, so only manual vegetation removal is anticipated. In the event manual vegetation removal is required to perform intrusive investigation, each UXO team will be equipped with a line trimmer. Detailed field procedures are described in FIELD SOP 4 of the MEC QAPP (KEMRON, 2016).

2.3.2 Grid and Border Survey

A GPS Technician accompanied by a UXO Technician II (minimum) escort performing anomaly avoidance will utilize a Leica GPS to locate the known TOI positions and mark the data gap area boundaries. Detailed field procedures are described in FIELD SOP 3 of the MEC QAPP (KEMRON, 2016).

2.3.3 Subsurface MEC Removal

The 1,543 potential TOIs remaining for subsurface removal on Orion Road north of Hawkeye Road (grids OR086-OR135) and on Watkins Gate Road (grids WG146-WG186) will be intrusively investigated and removed in accordance with the MEC QAPP (KEMRON, 2016a) and AGC specific details in accordance with SOP AGCMR-09 [Appendix B of the AGCMR-QAPP Addendum (KEMRON, 2023)].

UXO Teams will intrusively investigate reacquired anomalies using procedures described in UXO SOP 4 and SOP AGCMR-09. Verification of intrusive anomaly investigation results is detailed in GEO SOP 8 and the AGCMR-QAPP Addendum (KEMRON, 2023). Each recovered MPPEH item will be tracked by item type, description, weight, and recovery depth (to the top of the item). A digital photograph will be taken of each recovered item, and the location of MPPEH will be acquired with a GPS to document the geo-referenced location at which it was found. The general type of MD items encountered per investigation location will be documented.

If no target is contacted during the intrusive investigation, then the investigation will terminate at a depth of 12 inches below the predicted depth of the anomaly source. For each excavated target, soil will be stockpiled separately to allow for replacement that mirrors preexisting conditions after operations are complete, to the extent feasible. Each excavated target will be backfilled with stockpiled soil after the target anomaly is resolved.

The data gaps in the dynamic AGC detection survey, described in Section 1.3.3, will be investigated utilizing a single EM61-MK2A unit in analog mode. The UXO team will utilize a Leica GPS to locate the known positions and handheld analog metal detectors in accordance with the MEC QAPP (KEMRON, 2016) to perform the analog subsurface removal. If the UXO team cannot complete analog subsurface removal to address anomalies displaying greater than 14 millivolt reading, the team will document and describe the reason for the incomplete subsurface MEC removal. This information will be collected using GPS points and described in the GIS and subsequent reports. In the unlikely event analog subsurface removal cannot be completed, KEMRON will provide this information to USACE and BRAC within 48 hours of the occurrence. The team will document each data gap area in accordance with Section 8 of the MEC QAPP (KEMRON, 2016) UXO SOP 3.

2.4 Reporting

A site-specific Technical Information Paper will be prepared to summarize field operations and results generated from MEC remediation activities. Data acquired during these activities will be presented and used to support project conclusions.

3.0 Explosives Management Plan

The Explosives Management Plan for the supplemental subsurface MEC removal activities follows KEMRON UXO SOP 7 of the MEC QAPP (KEMRON, 2016).

4.0 Explosives Siting Plan

Field work within the Impact Area MRA Fuel Break System on Orion Road and Watkins Gate Road will adhere to a Department of Defense Explosives Safety Board (DDESB)-approved Explosives Safety Submission. DDESB approval is pending. Based on available data, the project identified the munition with the greatest fragmentation distance (MGFD) as the Projectile, 8", HE, M106 and Projectile, 8", HE, Mk IA1. The Projectile, 8", HE, Mk IA1 has a maximum fragmentation distance-horizontal (MFD-H) of 3,427 feet and the Projectile, 8", HE, M106 hazardous fragment distance (HFD) of 534 feet.

	MFD-H (feet)	HFD (feet)	K40 (feet)
Projectile, 8", HE, M106	3,171	534	142
Projectile, 8", HE, Mk IA1	3,427	423	124

The field work will be conducted in such a manner that the public exclusion zone is not expected to extend outside the Impact Area MRA. Should a munition with a greater fragmentation or K40 distance than the M106 8" projectile be encountered, a revision to the approved safety submission will be prepared and submitted through USACE, United States Army Technical Center for Explosives Safety, United States Army Technical Center for Explosives Safety, and DDESB.

5.0 Geophysical System Verification

KEMRON uses the geophysical system verification (GSV) process to verify and demonstrate the integrity of the geophysical mapping system. The collected data will also help to quantify site-specific geophysical characteristics that determine the detectability of items of interest. Digital geophysical instrument performance will be verified prior to field use and throughout the project duration. GSV has two components, the first component of GSV is performed prior to system use and consists of operating DGM equipment over an instrument verification strip (IVS), and the second component is blind seeding. Detailed procedures for IVS construction/use and blind seeding are found in the MEC QAPP (KEMRON, 2016) attachments KEMRON GEO SOP 1 IVS Installation and Use, and KEMRON GEO SOP 2 Blind Seed Item Installation.

6.0 Geospatial Information and Electronic Submittals

Geospatial Information and electronic submittals will be performed in accordance with the MEC QAPP (KEMRON, 2016), specifically: KEMRON Data SOP 2 – GIS Data Management.

7.0 Work, Data, and Cost Management

The Work, Data, and Cost Management Plan for all work addressed by this SSWP is provided in the MEC QAPP Section 6 (KEMRON, 2016), and KEMRON SOPs specifically:

- KEMRON Data SOP 1 – Field Data Management
- KEMRON Data SOP 2 – GIS Data Management
- KEMRON Data SOP 3 – MMRP Data Management
- KEMRON Data SOP 4 – DGM Data Transfer to BRAC

KEMRON will provide a bi-weekly MMRP progress report to the USACE and the Fort Ord BRAC Office. The report will outline the activities in progress and completed during the last two weeks, the activities anticipated in the next two weeks, habitat issues, schedule percent complete/metrics update, QA/QC update, and documents. This report will clearly display changes within the metrics. KEMRON will support these changes with a brief explanation for the shift and the anticipated metrics for the remaining portion of fieldwork.

8.0 Property Management Plan

Property management will be in accordance with Federal Acquisition Regulation Part 45 – Government Property. The following equipment and facilities are expected to be required for the project:

- RTK-GPS Systems
- Personal Digital Assistants
- EM61–MK2A Systems
- Schonstedt GA-52CXs

- Whites (DFX 300)
- Various manual brush clearing equipment
- Radios for field teams

KEMRON will follow USACE policy in checking out and signing for government equipment at Fort Ord that will be used for this project. Crew cab 4x4 pickups, standard 4x4 pickups, mini excavators, and portable toilets will also be required and obtained from an outside party.

9.0 Quality Control and Quality Assurance

Data verification and validation activities will be conducted throughout the course of the intrusive investigation activities. The following activities will be implemented with the three-phase inspection process:

- Subsurface MEC removal
- MPPEH detonation
- MPPEH, MD, and scrap segregation, reporting, and disposition

The QC Geophysicist and UXO QC Specialist (UXOQCS) will independently verify that inspections are effectively implemented. The UXOQCS will also plan, perform, and document preparatory meetings, preparatory inspections, initial inspections, follow-up inspections, and completion inspections in coordination with the Government QA representative.

Intrusive investigation results will be reviewed by the QC Geophysicist to verify that QC seed items have been successfully recovered, anticipated TOIs sources have been resolved, and project MQOs have been achieved.

9.1 Quality Control Process

As described in Section 1.3.1, a QC seeding program has been implemented for both analog and DGM surveys. QC seed items were placed in areas where DGM survey was planned. QC seed items were placed such that each AGC team encountered, on average, at least one seed item per day of data collection. The ISO will be used as Blind Seed Items (BSI) in the analog MEC removal areas. Table 3 provides the BSI to be used and the maximum depth of detection.

Further details, including MQOs for blind seed item detection and identification are provided in UXO SOP 10 of the MEC QAPP (KEMRON, 2016). The UXOQCS will conduct an independent inspection of the analog areas (data gaps). Procedures for the Intrusive Investigation Using Analog Methods are located in Attachment B (UXO SOP 3) of the MEC QAPP. Management of the QC process, and all other CQCSM QC duties specified in UXO SOP 10 of the MEC QAPP (KEMRON, 2016), will be the responsibility of the UXOQCS.

For the analog subsurface removal grids (Table 2 and Figure 4), additional seeds will be placed in the subsurface to allow for additional quality control of the analog subsurface removal

operations. A minimum of one seed will be placed per day per team for analog subsurface removal grids. Daily QC for the EM61 when operating in analog mode (i.e., when performing QC hole checks) will consist of a static background and static response test. The EM61 operator will locate an area of background response where the instrument will be nulled. A standard response item (small ISO or equivalent) will then be placed directly above or below the sensor coil. Care will be taken to ensure the positioning of the test item is identical for each test. The Team Leader will record the Channel 2 response of the test item in their logbook, ensuring that it is within +/- 10% of the first day's response. After 30 seconds, the test item will be removed, and the response data will be observed to confirm that the reported response returns to a null value.

9.2 Quality Assurance Operations

QA will be provided by the USACE to validate that KEMRON's QC system is functioning as stated. Areas of QA include:

- Monitor contractor field practices, including announced and extemporaneous, unobtrusive observations.
- Review and observe field ground control and GPS procedures. This is meant to avoid geo-referencing incompatibilities between KEMRON and the USACE.
- Independently examine data files and anomaly maps. The USACE OESS will check the database against Team Leader grid sheets to ensure all anomalies flagged were excavated.

9.3 Demobilization

Demobilization will occur when the project is completed with appropriate QA/QC checks performed. During demobilization, personnel will be retained only as long as necessary. If personnel are not required at other former Fort Ord MEC projects, they will be demobilized from the site. The following will occur prior to demobilization:

- Verification that all areas to be investigated/remediated are completed to the requirements of the Performance Work Statement for the Task Order, including verification that QC and QA requirements have been met.
- Identification of all areas that could not be investigated/remediated.
- Verification that site restoration has been performed to requirements.
- Documentation that ultimate disposition of property used during the project has been performed.

10.0 Environmental Protection Plan

This section describes the procedures to protect natural resources during the field evaluation activities on the fuel break system. It includes a description of the natural resources present, and a list of mitigation measures appropriate to the type of work activity and the habitat types, that will be implemented to reduce impacts to these resources whenever possible. FIELD SOP 2 of the

MEC QAPP (KEMRON, 2016) also describes general project procedures to be implemented for environmental protection. The Project Biologist is Patric Krabacher from Denise Duffy & Associates, Inc.

The fuel break system is within the Natural Resource Management Area which is designated for transfer to BLM as an undeveloped habitat reserve. The HMP (USACE, 1997) describes special land restrictions and habitat management requirements within habitat reserve areas. Habitat reserve areas support plant and animal species protected under the Endangered Species Act; implementation of mitigation measures identified in the HMP are required to minimize potential adverse impacts to listed species. Although the system of 45 foot wide fuel breaks is considered development, the Programmatic Biological Opinion (USFWS, 2017) outlines specific measures for erosion control and protection of Yadon's Piperia within the fuel breaks. Measures will be implemented to provide additional preservation and protection to HMP species in the habitat reserve areas.

10.1 Description of Site and Natural Resources

Central maritime chaparral habitat is a dominant habitat type at Fort Ord and is identified as a protected plant community in the HMP (USACE, 1997). This habitat supports approximately 50 to 85 percent of the total distribution of several rare, threatened, and endangered plants occurring at Fort Ord, which are designated as protected under the HMP (USACE, 1997). Maritime chaparral is the dominant habitat type within the fuel breaks. HMP shrub species present within the project fuel break system include Hooker's manzanita, Sandmat manzanita, and Monterey ceanothus. The HMP-listed annual plant species Monterey Spineflower, sand gilia, and Seaside bird's-beak area are also present. Yadon's Piperia has been found along Orion Road within the project fuel breaks. Areas of grassland habitat are also present within the fuel breaks.

The habitats within the fuel break system may also support special-status wildlife species identified in the HMP. Black legless lizards could be encountered in any areas with sandy soils. California tiger salamanders (CTS) could be encountered in areas near known breeding ponds or in upland habitat.

10.2 Protection of Natural Resources

Measures to reduce impacts to natural resources will be implemented in accordance with the HMP (USACE, 1997) and Programmatic Biological Opinion (USFWS, 2017). These measures are described in Field SOP 2 of the MEC QAPP (KEMRON, 2016). Additional efforts to reduce impact to HMP plants and habitats include:

- Employee environmental training,
- Preparation of a habitat checklist,
- Implementation of best management practices to reduce the spread of invasive weeds,
- Monitoring of erosion and invasive weeds during and after remedial activities,
- Restricted vehicle access,

- Avoiding impacts to CTS and black legless lizards,
- Avoiding and reducing impacts to HMP plants and habitats when feasible, and
- Replacement of topsoil when feasible.

11.0 References

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Table 1: Previously Recovered MEC Items and Depths Within the Work Area

Road Name	Date Found	Model Description	Depth (in)	MEC Type	QTY	Grid ID	Unique ID
ORION RD	6/28/2001	Projectile, 81mm, mortar, illumination, M301 series	6	UXO	1	OR086	14229
ORION RD	1/3/2013	Projectile, 81mm, mortar, high explosive, M374 series	12	UXO	1	OR091	831249
ORION RD	9/2/2014	Projectile, 81mm, mortar, smoke, white phosphorous, M375 series	12	UXO	1	OR092	825564
ORION RD	1/7/2013	Projectile, 60mm, mortar, high explosive, M49 series	12	UXO	1	OR092	831258
ORION RD	1/8/2013	Projectile, 81mm, mortar, high explosive, M374 series	36	UXO	1	OR092	831260
ORION RD	6/26/2001	Projectile, 81mm, mortar, illumination, M301 series	3	UXO	1	OR095	14294
ORION RD	3/4/2002	Projectile, 81mm, mortar, high explosive, M43 series	18	UXO	1	OR095	84116
ORION RD	12/11/2012	Projectile, 60mm, mortar, illumination, M83 series	12	UXO	1	OR101	831283
ORION RD	10/26/2011	Projectile, 37mm, low explosive, MK II	0	UXO	1	OR102	818695
ORION RD	12/10/2012	Projectile, 37mm, low explosive, MK I	8	UXO	1	OR103	831286
ORION RD	12/6/2012	Projectile, 81mm, mortar, illumination, M301 series	25	UXO	1	OR105	831290
ORION RD	1/8/2013	Grenade, hand, incendiary, TH3, AN-M14	24	UXO	1	OR106	831292
ORION RD	7/17/2001	Projectile, 37mm, low explosive, MK I	2	UXO	1	OR107	14050
ORION RD	1/9/2013	Projectile, 81mm, mortar, high explosive, M374 series	24	UXO	1	OR108	831297
ORION RD	7/18/2001	Projectile, 57mm, high explosive, M306 series	0	UXO	1	OR109	14144
ORION RD	1/14/2013	Projectile, 37mm, low explosive, MK I	6	UXO	1	OR113	831306
ORION RD	1/15/2013	Projectile, 81mm, mortar, high explosive, M374 series	36	UXO	1	OR115	831311
ORION RD	8/28/2001	Projectile, 81mm, mortar, high explosive, M374 series	12	UXO	1	OR118	15775
ORION RD	8/28/2014	Projectile, 81mm, mortar, high explosive, M374 series	36	UXO	1	OR118	825587
ORION RD	10/21/2013	Projectile, 60mm, mortar, high explosive, M49 series	18	UXO	1	OR118	831315
ORION RD	10/21/2013	Projectile, 60mm, mortar, high explosive, M720	30	UXO	1	OR118	831316
ORION RD	10/21/2013	Projectile, 81mm, mortar, high explosive, M374 series	36	UXO	1	OR118	831317

Road Name	Date Found	Model Description	Depth (in)	MEC Type	QTY	Grid ID	Unique ID
ORION RD	7/18/2001	Projectile, 81mm, mortar, illumination, M301 series	0	UXO	1	OR119	14578
ORION RD	8/22/2001	Projectile, 60mm, mortar, high explosive, M49 series	4	UXO	1	OR119	15542
ORION RD	8/23/2001	Projectile, 60mm, mortar, high explosive, M49 series	2	UXO	1	OR119	15564
ORION RD	8/22/2001	Projectile, 60mm, mortar, high explosive, M49 series	8	UXO	1	OR120	15533
ORION RD	8/22/2001	Projectile, 81mm, mortar, illumination, M301 series	28	UXO	1	OR120	15534
ORION RD	8/22/2001	Projectile, 37mm, low explosive, MK I	1	UXO	1	OR120	15535
ORION RD	10/23/2013	Projectile, 60mm, mortar, high explosive, M49 series	20	UXO	1	OR120	831321
ORION RD	10/30/2013	Projectile, 81mm, mortar, high explosive, M374 series	8	UXO	1	OR121	831324
ORION RD	10/30/2013	Projectile, 81mm, mortar, high explosive, M374 series	24	UXO	1	OR121	831325
ORION RD	2/28/2002	Projectile, 60mm, mortar, high explosive, M49 series	4	UXO	1	OR122	84113
ORION RD	2/28/2002	Projectile, 75mm, shrapnel, MK I	18	UXO	1	OR122	84115
ORION RD	8/21/2001	Projectile, 75mm, high explosive, M48	4	UXO	1	OR123	15471
ORION RD	8/21/2001	Projectile, 60mm, mortar, high explosive, M49 series	6	UXO	1	OR123	15472
ORION RD	8/21/2001	Projectile, 60mm, mortar, illumination, M83 series	16	UXO	10	OR123	15477
ORION RD	11/4/2013	Projectile, 81mm, mortar, high explosive, M43 series	36	UXO	1	OR123	831340
ORION RD	11/4/2013	Projectile, 81mm, mortar, illumination, M301 series	36	UXO	1	OR123	831341
ORION RD	11/4/2013	Projectile, 81mm, mortar, illumination, M301 series	36	UXO	1	OR123	831342
ORION RD	11/4/2013	Projectile, 81mm, mortar, high explosive, M374 series	36	UXO	1	OR123	831343
ORION RD	8/21/2001	Projectile, 81mm, mortar, illumination, M301 series	8	UXO	1	OR124	15461
ORION RD	8/21/2001	Projectile, 60mm, mortar, illumination, M83 series	8	UXO	1	OR124	15462
ORION RD	8/21/2001	Projectile, 81mm, mortar, illumination, M301 series	0	UXO	1	OR124	15470
ORION RD	11/5/2013	Projectile, 4.2inch, mortar, high explosive, M329 series	48	UXO	1	OR124	831349
ORION RD	11/5/2013	Projectile, 60mm, mortar, illumination, M83 series	36	UXO	1	OR124	831350

Road Name	Date Found	Model Description	Depth (in)	MEC Type	QTY	Grid ID	Unique ID
ORION RD	10/8/2013	Projectile, 60mm, mortar, high explosive, M49 series	30	UXO	1	OR125	831352
ORION RD	10/8/2013	Projectile, 37mm, low explosive, MK II	6	UXO	1	OR125	831354
ORION RD	10/8/2013	Projectile, 60mm, mortar, high explosive, M720	30	UXO	1	OR125	831355
ORION RD	10/8/2013	Projectile, 60mm, mortar, high explosive, M49 series	30	UXO	1	OR125	831356
ORION RD	10/8/2013	Projectile, 60mm, mortar, high explosive, M49 series	30	UXO	1	OR125	831357
ORION RD	10/8/2013	Projectile, 81mm, mortar, high explosive, M374 series	48	UXO	1	OR125	831358
ORION RD	10/22/2013	Projectile, 37mm, low explosive, MK I	6	UXO	1	OR129	831381
ORION RD	10/22/2013	Projectile, 81mm, mortar, practice, M43 series	36	UXO	1	OR129	831384
ORION RD	10/22/2013	Projectile, 81mm, mortar, high explosive, M43 series	36	UXO	1	OR129	831385
ORION RD	10/22/2013	Projectile, 81mm, mortar, practice, M43 series	24	UXO	1	OR129	831386
ORION RD	10/22/2013	Projectile, 81mm, mortar, high explosive, M43 series	36	UXO	1	OR129	831387
ORION RD	10/22/2013	Projectile, 81mm, mortar, practice, M43 series	24	UXO	1	OR129	831388
ORION RD	10/22/2013	Projectile, 81mm, mortar, practice, M43 series	36	UXO	1	OR129	831389
ORION RD	10/22/2013	Projectile, 81mm, mortar, illumination, M301 series	36	UXO	1	OR129	831390
ORION RD	10/23/2013	Projectile, 81mm, mortar, high explosive, M374 series	36	UXO	1	OR129	831392
ORION RD	8/15/2001	Projectile, 81mm, mortar, illumination, M301 series	2	UXO	1	OR130	15095
ORION RD	8/15/2001	Projectile, 81mm, mortar, illumination, M301 series	12	UXO	1	OR130	15136
ORION RD	8/16/2001	Ash, pyrotechnic	3	UXO	1	OR130	15249
ORION RD	8/16/2001	Projectile, 37mm, low explosive, MK I	2	UXO	1	OR130	15250
ORION RD	10/23/2013	Projectile, 81mm, mortar, illumination, M301 series	24	UXO	1	OR130	831394
ORION RD	10/23/2013	Projectile, 81mm, mortar, illumination, M301 series	36	UXO	1	OR130	831401
ORION RD	8/15/2001	Projectile, 81mm, mortar, high explosive, M43 series	16	UXO	1	OR131	15125
ORION RD	8/14/2001	Projectile, 81mm, mortar, high explosive, M43 series	8	UXO	1	OR132	15221

Road Name	Date Found	Model Description	Depth (in)	MEC Type	QTY	Grid ID	Unique ID
ORION RD	8/13/2001	Projectile, 81mm, mortar, high explosive, M43 series	18	UXO	1	OR133	15228
ORION RD	7/18/2001	Projectile, 75mm, high explosive, MK I	0	UXO	1	OR134	14149
ORION RD	8/13/2001	Projectile, 75mm, high explosive, M48	3	UXO	1	OR134	15307
ORION RD	8/9/2001	Projectile, 81mm, mortar, high explosive, M43 series	18	UXO	2	OR135	15075
ORION RD	10/24/2013	Projectile, 81mm, mortar, high explosive, M374 series	24	UXO	1	OR135	831465
ORION RD	10/28/2013	Projectile, 81mm, mortar, high explosive, M43 series	30	UXO	1	OR135	831468
ORION RD	10/28/2013	Projectile, 81mm, mortar, high explosive, M43 series	36	UXO	1	OR135	831469
ORION RD	10/28/2013	Projectile, 81mm, mortar, high explosive, M43 series	36	UXO	1	OR135	831470
ORION RD	10/28/2013	Projectile, 81mm, mortar, high explosive, M43 series	24	UXO	1	OR135	831471
ORION RD	10/28/2013	Projectile, 81mm, mortar, high explosive, M43 series	36	UXO	1	OR135	831472
WATKINS GATE RD	1/7/1998	Projectile, 81mm, mortar, illumination, M853A1	24	UXO	1	WG147	77885
WATKINS GATE RD	7/31/2002	Projectile, 81mm, mortar, illumination, M301 series	12	UXO	1	WG148	140448
WATKINS GATE RD	7/31/2002	Ash, pyrotechnic	4	UXO	1	WG149	140449
WATKINS GATE RD	7/31/2002	Projectile, 40mm, high explosive, M441	4	UXO	1	WG149	140450
WATKINS GATE RD	1/7/1998	Projectile, 81mm, mortar, high explosive, M362	24	UXO	1	WG151	77884
WATKINS GATE RD	3/12/2001	Projectile, 81mm, mortar, high explosive, M43 series	0	UXO	1	WG154	16528
WATKINS GATE RD	3/12/2001	Projectile, 81mm, mortar, high explosive, M43 series	2	UXO	1	WG156	16532
WATKINS GATE RD	8/19/2002	Projectile, 81mm, mortar, high explosive, M374 series	2	UXO	1	WG168	140451
WATKINS GATE RD	8/19/2002	Projectile, 81mm, mortar, high explosive, M374 series	4	UXO	1	WG168	140452
WATKINS GATE RD	8/19/2002	Projectile, 81mm, mortar, high explosive, M374 series	8	UXO	1	WG170	140453
WATKINS GATE RD	4/24/2017	Projectile, 81mm, mortar, smoke, white phosphorous, M57 series	20	UXO	1	WG170	2147145
WATKINS GATE RD	9/30/2002	Fuze, mine, antitank, practice, M604	0	DMM	1	WG183	140454
WATKINS GATE RD	8/22/2002	Projectile, 37mm, low explosive, MK I	4	UXO	1	WG183	140455

Table 2: Remaining Intrusive Investigations and AGC Data Gap Locations

Grid ID	# Targets	Gaps		Grid ID	# Targets	Gaps
OR086	58	Y		WG146	10	Y
OR087	77	Y		WG147	10	N
OR088	52	Y		WG148	17	Y
OR089	52	N		WG149	14	N
OR090	27	Y		WG150	10	Y
OR091	24	N		WG151	25	Y
OR092	15	Y		WG152	8	N
OR093	16	N		WG153	14	N
OR094	34	Y		WG154	8	Y
OR095	11	N		WG155	4	N
OR096	6	Y		WG156	11	Y
OR097	19	Y		WG157	6	Y
OR098	12	Y		WG158	14	Y
OR099	5	Y		WG159	8	N
OR100	2	Y		WG160	6	N
OR101	6	Y		WG161	9	Y
OR102	5	Y		WG162	9	N
OR103	9	Y		WG163	11	Y
OR104	4	Y		WG164	12	N
OR105	22	Y		WG165	5	Y
OR106	4	Y		WG166	8	N
OR107	7	Y		WG167	5	Y
OR108	13	Y		WG168	9	Y
OR109	6	Y		WG169	6	Y
OR110	13	Y		WG170	4	N
OR111	6	Y		WG171	4	Y
OR112	5	Y		WG172	9	N
OR113	4	Y		WG173	14	Y
OR114	10	Y		WG174	2	Y
OR115	5	Y		WG175	4	Y
OR116	18	N		WG176	5	Y
OR117	12	Y		WG177	3	Y
OR118	24	Y		WG178	6	N
OR119	34	Y		WG179	4	Y
OR120	42	N		WG180	6	N
OR121	47	Y		WG181	6	Y
OR122	38	Y		WG182	2	Y

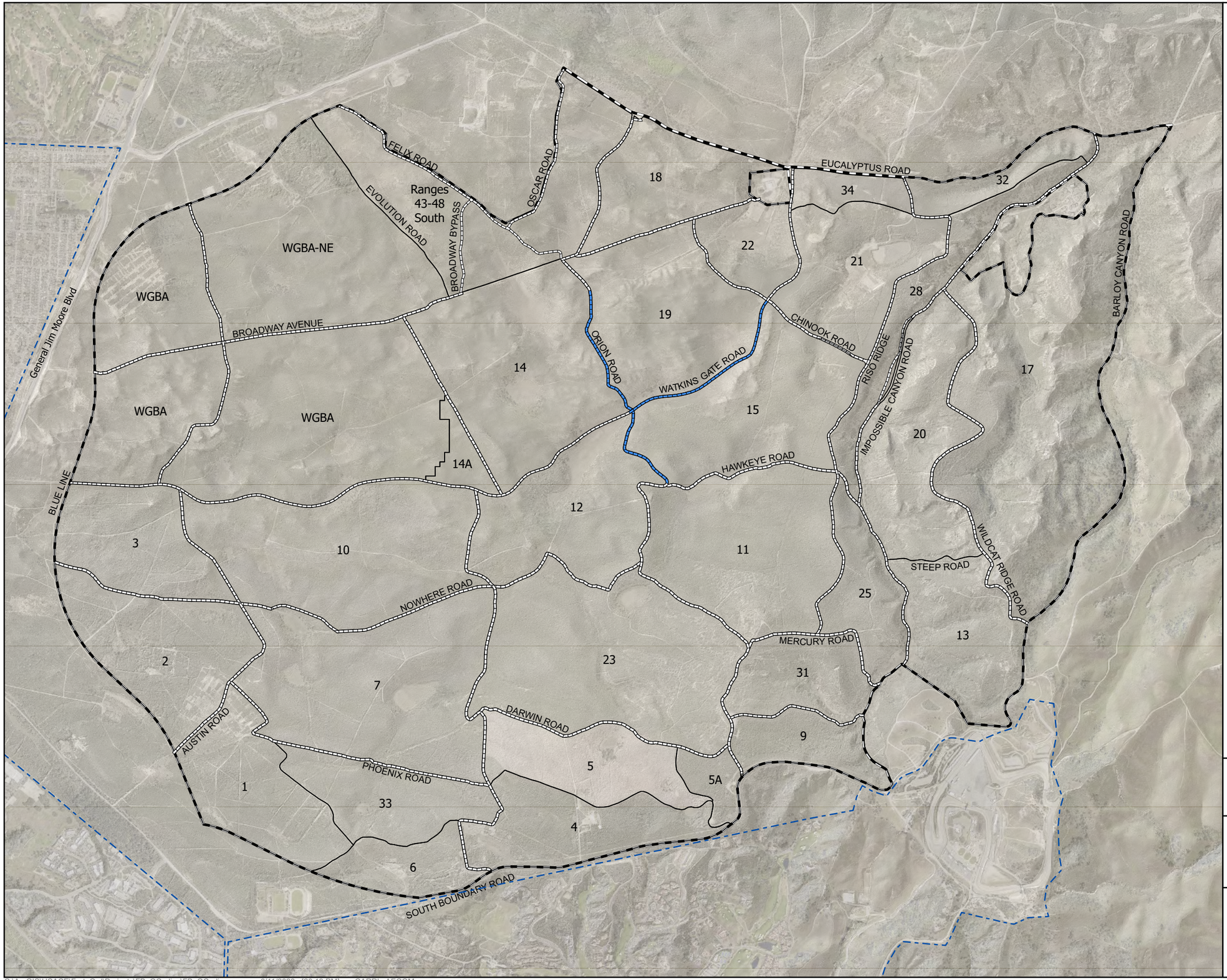
Grid ID	# Targets	Gaps		Grid ID	# Targets	Gaps
OR123	57	Y		WG183	4	Y
OR124	29	Y		WG184	4	N
OR125	20	N		WG185	1	Y
OR126	15	N		WG186	6	Y
OR127	17	N				
OR128	40	N				
OR129	33	Y				
OR130	36	Y				
OR131	56	Y				
OR132	66	Y				
OR133	42	Y				
OR134	37	Y				
OR135	28	Y				

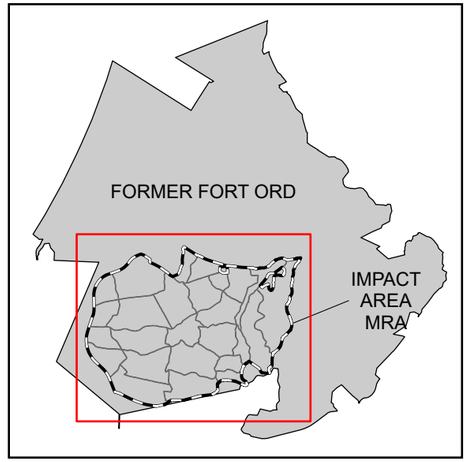
Table 3. Type of Industry Standard Object and Depth of Blind Seed Items

Item Type	Nominal Pipe Size (inches)	Outside Diameter (inches)	Length (inches)	Part Number[1]	ASTM Specification	Maximum Reliable Geophysical Detection Depth – 11xDiameter (inches bgs)[2]
Small ISO	1”	1.315” (33mm)	4” (102mm)	44615K466	A53/A773	11”
Medium ISO	2”	2.375” (60mm)	8” (204mm)	44615K529	A53/A773	22”
Large ISO	4”	4.500” (115mm)	12” (306mm)	44615K137	A53/A773	44”

[1]Part number from the McMaster-Carr catalog.

[2]Depth estimated as 11x diameter munition item (Reference: NRL Report - EM61-MK2 Response of Standard Munitions Items)





Legend

- Remaining Subsurface Removal Grids
- Impact Area MRA Fuel Break Roads
- Impact Area MRA Boundary
- Former Fort Ord Property Line

2,000 0 2,000 Feet

Site Specific Work Plan for
Fuel Breaks Quality Control Digs
Impact Area Munitions Response Area
Former Fort Ord, California

Figure 1
Impact Area MRA Fuel Break System and Remaining Supplemental Subsurface MEC Removal Grids (Orion Road and Watkins Gate Road)

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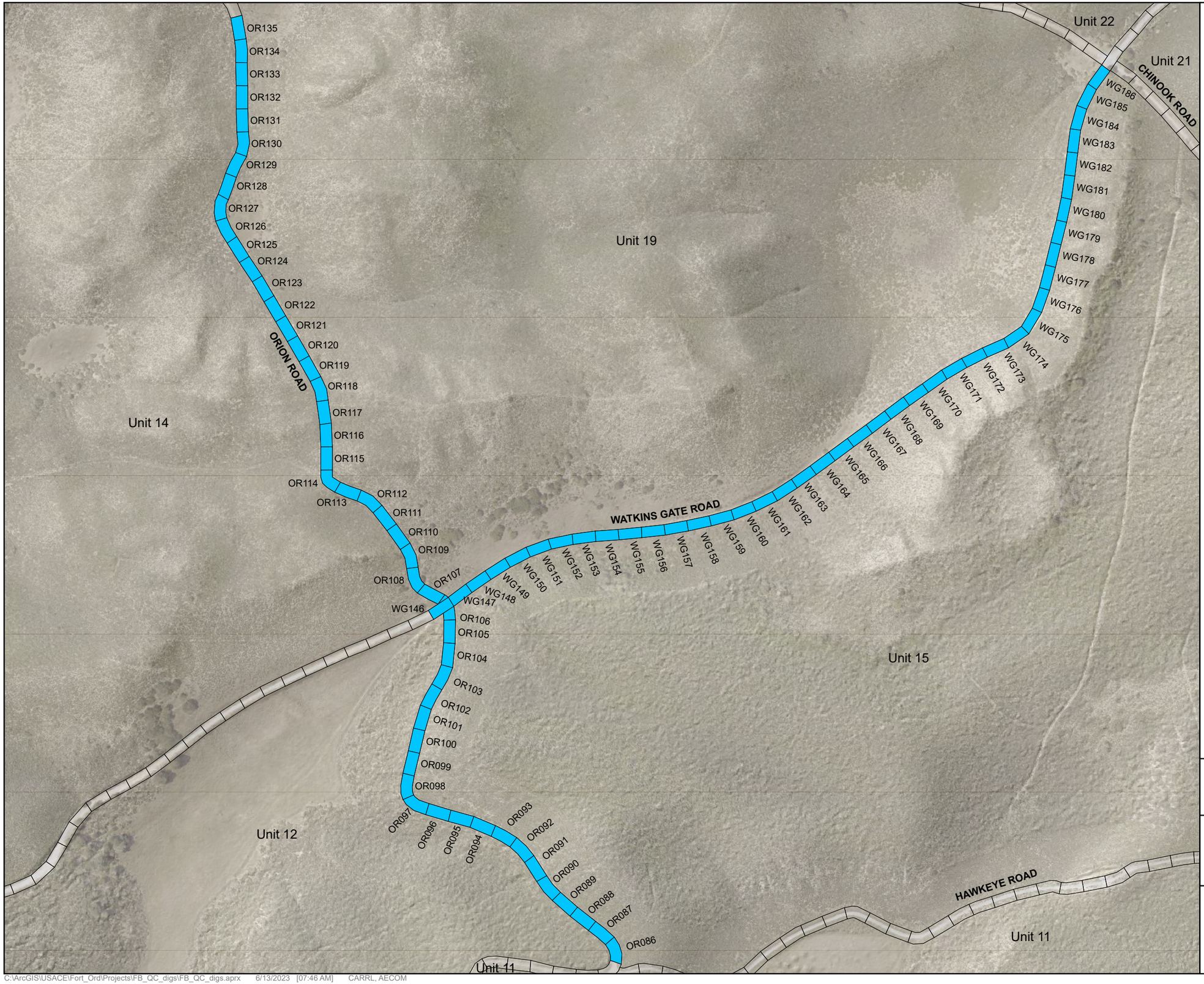

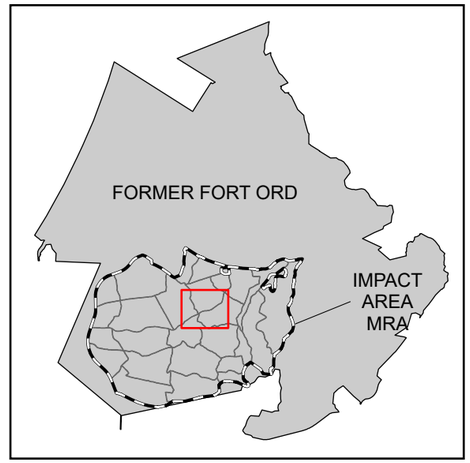

Remaining Subsurface Removal Grids

Fuel Break Grid

400 0 400 Feet

Site Specific Work Plan for
Fuel Breaks Quality Control Digs
Impact Area Munitions Response Area
Former Fort Ord, California

Figure 2

Remaining Supplemental Subsurface MEC Removal Grids
(Orion Road and Watkins Gate Road)

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Unit 22

Unit 21

CHINOOK ROAD

Unit 19

Unit 14

ORION ROAD

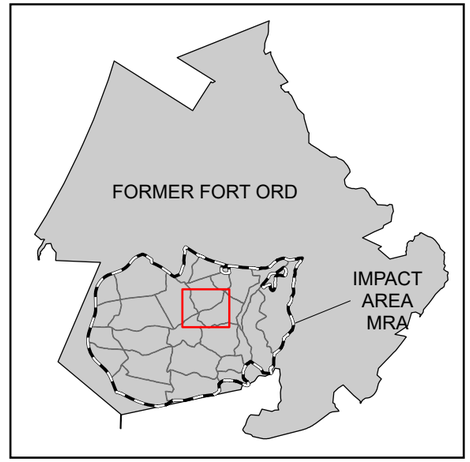
WATKINS GATE ROAD

Unit 15

Unit 12

HAWKEYE ROAD

Unit 11



Legend

- Remaining Intrusive Investigations (1,543)
- Remaining Subsurface Removal Grids

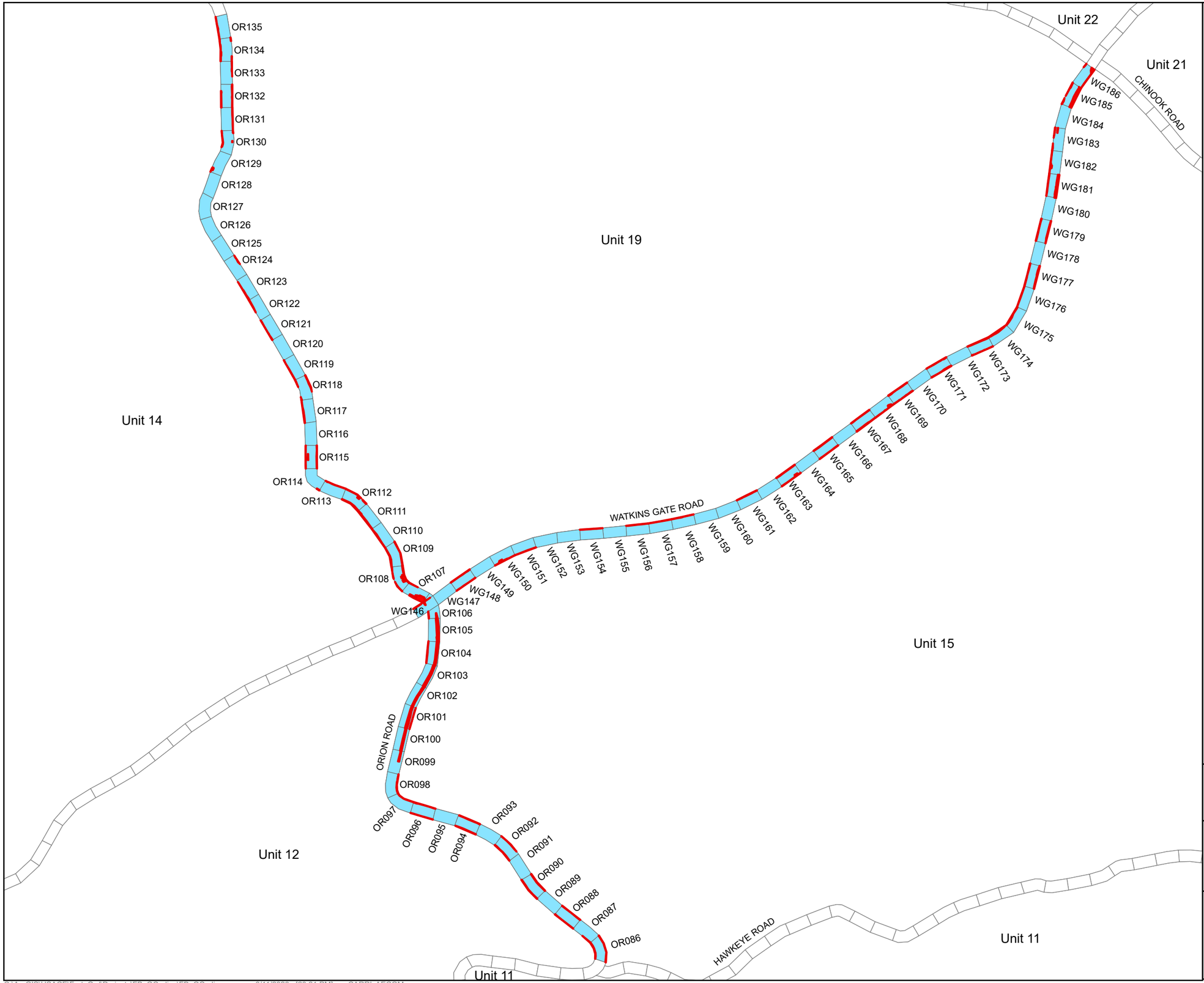
500 0 500 Feet

Site Specific Work Plan for
Fuel Breaks Quality Control Digs
Impact Area Munitions Response Area
Former Fort Ord, California

Figure 3

Remaining Intrusive Investigation Locations

C:\ArcGIS\USACE\Fort_Ord\Projects\FB_QC_digs\FB_QC_digs.aprx 6/13/2023 [16:57 PM] CARRL, Gilbane

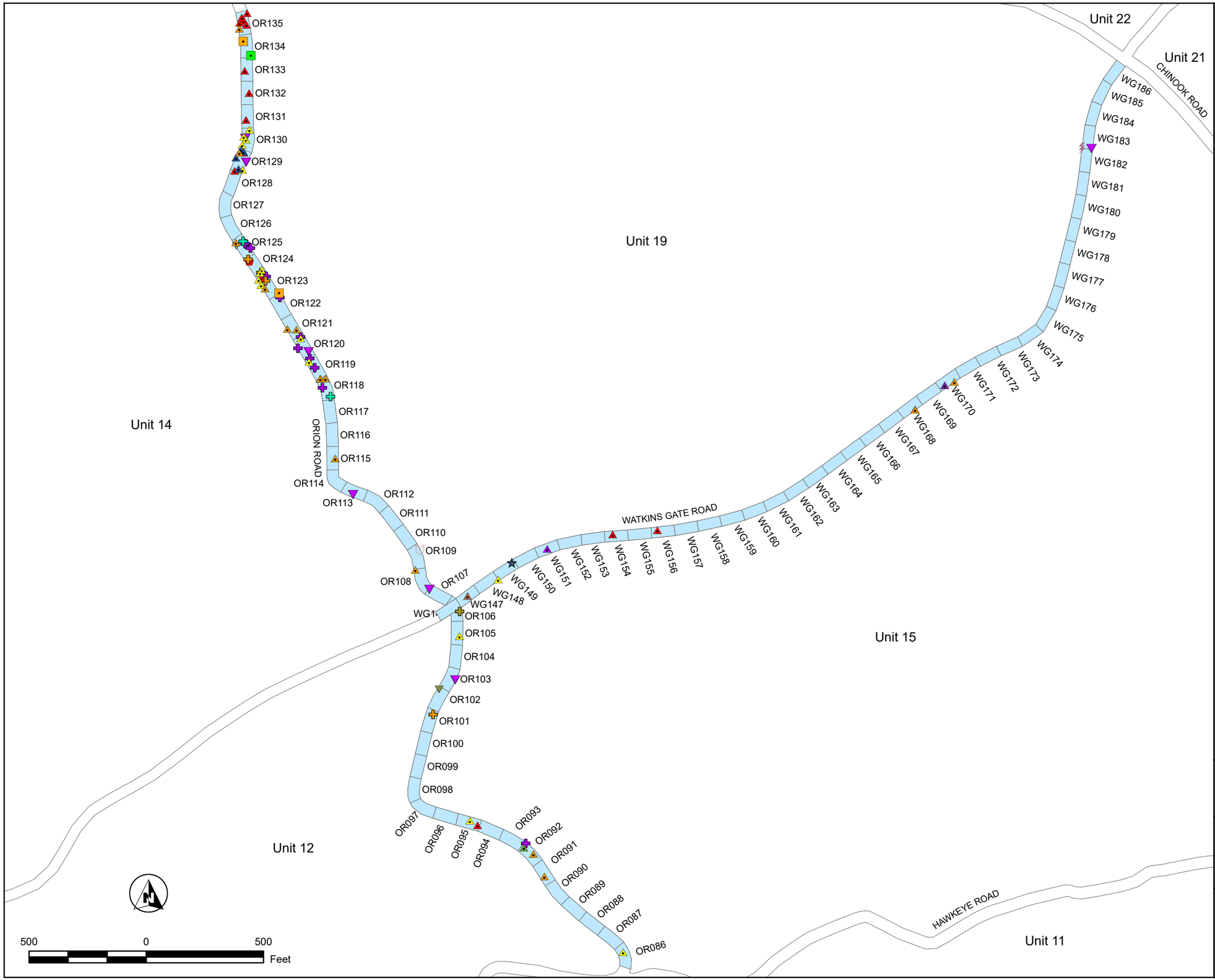


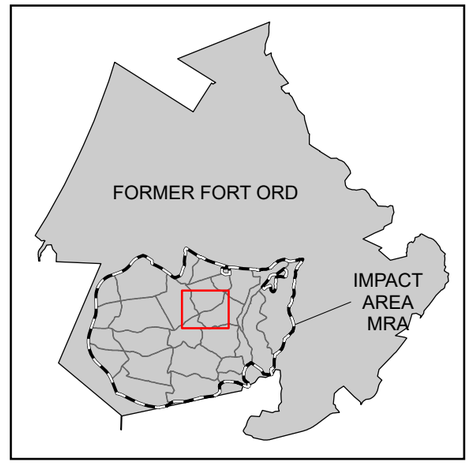
Site Specific Work Plan for
Fuel Breaks Quality Control Digs
Impact Area Munitions Response Area
Former Fort Ord, California

Figure 4

AGC Data Gap Locations

C:\ArcGIS\USACE\Fort_Ord\Projects\FB_QC_digs\FB_QC_digs.aprx 6/11/2023 [20:21 PM] CARRL AECOM





Legend

- Remaining Subsurface Removal Grids

MEC Recovered during previous work

- Fuze, mine, antitank, practice, M604
- Grenade, hand, incendiary, TH3, AN-M14
- Projectile, 37mm, low explosive, MK I
- Projectile, 37mm, low explosive, MK II
- Projectile, 4.2inch, mortar, high explosive, M329 series
- Projectile, 40mm, high explosive, M441
- Projectile, 57mm, high explosive, M306 series
- Projectile, 60mm, mortar, high explosive, M49 series
- Projectile, 60mm, mortar, high explosive, M720
- Projectile, 60mm, mortar, illumination, M83 series
- Projectile, 75mm, high explosive, M48
- Projectile, 75mm, high explosive, MK I
- Projectile, 81mm, mortar, high explosive, M362
- Projectile, 81mm, mortar, high explosive, M374 series
- Projectile, 81mm, mortar, high explosive, M43 series
- Projectile, 81mm, mortar, illumination, M301 series
- Projectile, 81mm, mortar, illumination, M853A1
- Projectile, 81mm, mortar, practice, M43 series
- Projectile, 81mm, mortar, smoke, white phosphorous, M375 series
- Projectile, 81mm, mortar, smoke, white phosphorous, M57 series

KEMRON ENVIRONMENTAL SERVICES AECOM

Site Specific Work Plan for
Fuel Breaks Quality Control Digs
Impact Area Munitions Response Area
Former Fort Ord, California

Figure 5

Previously Recovered Munitions
and Explosives of Concern

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Appendix A Ranked Target List

Ranked Target List

Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
229001	WG178	5748408.77	2117490.47	1	0.9978
207005	WG156	5746675.08	2116320.10	1	0.9965
157001	OR134	5744903.19	2118360.51	1	0.9948
210013	WG159	5746979.52	2116349.77	1	0.9948
235002	WG184	5748485.97	2118063.63	1	0.9948
201003	WG150	5746077.76	2116206.39	1	0.9946
219008	WG168	5747702.61	2116840.41	1	0.9942
228001	WG177	5748365.32	2117431.90	1	0.9940
232004	WG181	5748442.33	2117782.68	1	0.9938
215009	WG164	5747436.17	2116598.55	1	0.9934
230002	WG179	5748408.23	2117622.40	1	0.9933
233001	WG182	5748462.85	2117935.80	1	0.9932
222002	WG171	5747991.20	2117005.24	1	0.9932
230001	WG179	5748426.73	2117573.65	1	0.9930
209001	WG158	5746833.21	2116307.41	1	0.9930
109001	OR086	5746485.93	2114519.52	1	0.9929
204001	WG153	5746402.09	2116260.58	1	0.9928
227009	WG176	5748355.36	2117287.37	1	0.9926
202006	WG151	5746159.09	2116248.63	1	0.9918
235003	WG184	5748488.81	2118082.48	1	0.9916
216015	WG165	5747487.89	2116676.09	1	0.9915
213005	WG162	5747243.11	2116502.79	1	0.9915
218001	WG167	5747642.06	2116795.92	1	0.9914
209011	WG158	5746854.86	2116316.52	1	0.9910
227001	WG176	5748334.14	2117329.07	1	0.9908
153002	OR130	5744889.71	2117952.74	1	0.9906
125039	OR102	5745716.14	2115581.50	1	0.9905
150007	OR127	5744817.94	2117662.10	1	0.9897
232003	WG181	5748463.50	2117752.45	1	0.9894
199001	WG148	5745935.37	2116085.03	1	0.9893
148001	OR125	5744882.94	2117496.08	1	0.9892
229017	WG178	5748408.65	2117497.06	1	0.9889
142004	OR119	5745215.84	2116992.78	1	0.9885
142002	OR119	5745194.43	2116979.37	1	0.9884
115005	OR092	5746079.00	2114925.92	1	0.9883
198001	WG147	5745794.48	2116021.94	1	0.9878
211001	WG160	5747073.12	2116413.91	1	0.9873
126001	OR103	5745749.02	2115701.45	1	0.9870
127001	OR104	5745773.17	2115781.65	1	0.9870
114001	OR091	5746145.52	2114862.48	1	0.9868
236001	WG185	5748543.62	2118151.55	1	0.9863
231047	WG180	5748455.37	2117654.64	1	0.9863
133014	OR110	5745582.96	2116293.27	1	0.9859
204002	WG153	5746363.15	2116258.64	1	0.9858
226007	WG175	5748313.41	2117200.77	1	0.9851
145005	OR122	5745044.25	2117294.28	1	0.9850
136001	OR113	5745335.20	2116466.79	1	0.9849
217001	WG166	5747564.18	2116693.19	1	0.9849
154024	OR131	5744911.22	2118053.91	1	0.9847
235001	WG184	5748518.72	2118090.73	1	0.9843
130007	OR107	5745742.78	2116036.38	1	0.9842
234001	WG183	5748501.54	2117974.15	1	0.9838
231006	WG180	5748455.45	2117654.62	1	0.9837
197001	WG146	5745731.94	2115932.08	1	0.9836
226002	WG175	5748313.42	2117200.77	1	0.9833
139010	OR116	5745246.10	2116709.50	1	0.9831
216013	WG165	5747487.58	2116639.68	1	0.9829
115014	OR092	5746099.91	2114955.56	1	0.9828
220004	WG169	5747837.11	2116896.01	1	0.9827
233004	WG182	5748488.89	2117884.66	1	0.9827
229005	WG178	5748384.36	2117521.22	1	0.9827
198013	WG147	5745831.23	2116044.07	1	0.9826
128001	OR105	5745776.16	2115903.43	1	0.9820
225004	WG174	5748272.71	2117149.84	1	0.9819

Ranked Target List

Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
223001	WG172	5748074.36	2117052.23	1	0.9811
137001	OR114	5745306.94	2116505.04	1	0.9811
111001	OR088	5746337.11	2114647.38	1	0.9810
223003	WG172	5748059.78	2117074.81	1	0.9810
216019	WG165	5747487.59	2116639.67	1	0.9809
152001	OR129	5744845.83	2117844.93	1	0.9809
205002	WG154	5746495.49	2116306.12	1	0.9808
147001	OR124	5744978.07	2117410.31	1	0.9807
234003	WG183	5748473.77	2118001.53	1	0.9805
120002	OR097	5745656.69	2115129.35	1	0.9803
151007	OR128	5744824.09	2117789.56	1	0.9801
202045	WG151	5746190.36	2116213.88	1	0.9799
134111	OR111	5745545.92	2116343.13	1	0.9798
153013	OR130	5744911.05	2117970.48	1	0.9796
207001	WG156	5746693.39	2116322.33	1	0.9794
202002	WG151	5746216.15	2116227.34	1	0.9793
228002	WG177	5748387.91	2117392.92	1	0.9791
215010	WG164	5747382.53	2116610.29	1	0.9790
156044	OR133	5744879.28	2118231.84	1	0.9788
217002	WG166	5747544.82	2116692.27	1	0.9788
147008	OR124	5744956.47	2117421.18	1	0.9787
231001	WG180	5748427.83	2117705.98	1	0.9783
146120	OR123	5745001.01	2117380.77	1	0.9781
232007	WG181	5748465.68	2117775.70	1	0.9778
208004	WG157	5746806.36	2116341.62	1	0.9771
143138	OR120	5745130.92	2117093.15	1	0.9771
121001	OR098	5745628.80	2115227.26	1	0.9770
131002	OR108	5745625.37	2116086.33	1	0.9768
214036	WG163	5747319.43	2116563.75	1	0.9757
138001	OR115	5745261.13	2116581.09	1	0.9754
134001	OR111	5745545.94	2116343.13	1	0.9752
148004	OR125	5744898.17	2117502.34	1	0.9752
132002	OR109	5745621.71	2116165.36	1	0.9745
156001	OR133	5744898.23	2118279.94	1	0.9738
224003	WG173	5748127.55	2117069.05	1	0.9737
149011	OR126	5744839.63	2117568.93	1	0.9733
141004	OR118	5745254.44	2116893.69	1	0.9731
146003	OR123	5745019.83	2117341.82	1	0.9731
141001	OR118	5745233.89	2116880.45	1	0.9730
204003	WG153	5746376.90	2116262.05	1	0.9729
145002	OR122	5745039.44	2117255.21	1	0.9728
215011	WG164	5747357.20	2116591.21	1	0.9726
139001	OR116	5745257.33	2116759.55	1	0.9725
147002	OR124	5744952.73	2117421.59	1	0.9719
146031	OR123	5744993.04	2117355.64	1	0.9714
124004	OR101	5745656.93	2115495.72	1	0.9711
139007	OR116	5745279.93	2116688.61	1	0.9711
140003	OR117	5745250.14	2116819.78	1	0.9711
118001	OR095	5745851.08	2115076.42	1	0.9710
145018	OR122	5745082.08	2117237.89	1	0.9709
202012	WG151	5746195.98	2116215.32	1	0.9708
154013	OR131	5744897.35	2118060.62	1	0.9702
209002	WG158	5746887.10	2116320.23	1	0.9700
224001	WG173	5748170.71	2117088.85	2	0.9697
141026	OR118	5745226.21	2116915.89	2	0.9679
199006	WG148	5745899.90	2116100.02	2	0.9676
153001	OR130	5744910.09	2117971.44	2	0.9675
212001	WG161	5747124.97	2116431.24	2	0.9668
113002	OR090	5746211.58	2114799.80	2	0.9668
222001	WG171	5747957.93	2116977.07	2	0.9665
212003	WG161	5747186.97	2116429.60	2	0.9654
198050	WG147	5745832.50	2115995.54	2	0.9653
137003	OR114	5745267.85	2116512.65	2	0.9651
146207	OR123	5745022.59	2117338.88	2	0.9646

Ranked Target List

Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
143062	OR120	5745150.75	2117072.88	2	0.9640
151003	OR128	5744835.87	2117769.75	2	0.9638
146010	OR123	5744992.00	2117334.36	2	0.9637
131001	OR108	5745651.45	2116136.78	2	0.9636
146048	OR123	5744995.99	2117314.30	2	0.9636
130001	OR107	5745680.14	2116034.42	2	0.9634
154028	OR131	5744890.32	2118100.69	2	0.9634
147005	OR124	5744952.01	2117423.76	2	0.9633
137002	OR114	5745278.69	2116555.06	2	0.9632
135002	OR112	5745449.48	2116417.34	2	0.9631
146088	OR123	5744985.49	2117352.03	2	0.9629
111013	OR088	5746344.65	2114622.05	2	0.9628
146205	OR123	5745023.93	2117326.58	2	0.9628
154034	OR131	5744894.19	2118038.02	2	0.9628
122003	OR099	5745612.03	2115316.34	2	0.9628
149017	OR126	5744843.29	2117580.46	2	0.9625
143005	OR120	5745111.69	2117110.70	2	0.9624
141034	OR118	5745202.84	2116938.92	2	0.9621
130002	OR107	5745664.46	2116039.07	2	0.9619
140006	OR117	5745253.42	2116770.48	2	0.9619
146015	OR123	5745016.96	2117327.46	2	0.9617
202005	WG151	5746177.25	2116209.44	2	0.9617
143030	OR120	5745156.42	2117082.89	2	0.9616
151081	OR128	5744844.70	2117825.00	2	0.9615
144001	OR121	5745083.53	2117219.65	2	0.9615
120018	OR097	5745681.03	2115107.69	2	0.9613
207011	WG156	5746662.49	2116301.78	2	0.9613
120001	OR097	5745623.21	2115114.03	2	0.9608
201002	WG150	5746107.31	2116181.20	2	0.9608
146011	OR123	5744974.87	2117375.09	2	0.9608
128009	OR105	5745775.20	2115868.99	2	0.9608
219003	WG168	5747748.84	2116833.51	2	0.9606
208003	WG157	5746766.80	2116330.37	2	0.9606
205003	WG154	5746446.11	2116306.27	2	0.9606
112011	OR089	5746284.68	2114699.85	2	0.9605
144143	OR121	5745075.37	2117155.23	2	0.9603
157132	OR134	5744897.34	2118353.70	2	0.9603
153004	OR130	5744900.21	2118018.90	2	0.9602
147031	OR124	5744960.20	2117406.07	2	0.9602
141016	OR118	5745219.33	2116930.98	2	0.9601
120011	OR097	5745665.52	2115091.77	2	0.9598
150001	OR127	5744815.56	2117727.42	2	0.9597
128012	OR105	5745775.87	2115875.45	2	0.9596
145038	OR122	5745018.84	2117292.38	2	0.9593
111031	OR088	5746340.60	2114650.82	2	0.9592
210001	WG159	5746993.69	2116381.57	2	0.9592
130005	OR107	5745674.77	2116027.72	2	0.9592
146101	OR123	5744994.19	2117354.44	2	0.9592
117002	OR094	5745940.55	2115029.37	2	0.9591
149008	OR126	5744861.36	2117577.08	2	0.9591
144004	OR121	5745084.97	2117164.17	2	0.9590
200006	WG149	5746031.05	2116177.63	2	0.9588
202001	WG151	5746205.37	2116258.70	2	0.9588
145003	OR122	5745075.29	2117253.95	2	0.9587
151002	OR128	5744844.82	2117824.75	2	0.9586
144003	OR121	5745098.17	2117174.10	2	0.9584
154022.1	OR131	5744899.42	2118056.92	2	0.9584
111009	OR088	5746366.16	2114646.90	2	0.9583
112004	OR089	5746272.90	2114701.95	2	0.9583
145012	OR122	5745062.61	2117255.52	2	0.9581
134080.1	OR111	5745545.56	2116342.87	2	0.9580
202032	WG151	5746146.07	2116207.00	2	0.9580
120005	OR097	5745630.40	2115110.27	2	0.9578
209018	WG158	5746858.55	2116349.83	2	0.9577

Ranked Target List

Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
199018	WG148	5745942.45	2116087.66	2	0.9577
213001	WG162	5747248.12	2116470.14	2	0.9577
226001	WG175	5748288.01	2117220.27	2	0.9576
113009	OR090	5746195.83	2114803.41	2	0.9575
110035	OR087	5746485.44	2114572.04	2	0.9575
208002	WG157	5746816.12	2116305.88	2	0.9574
223035	WG172	5748092.32	2117059.67	2	0.9574
147017	OR124	5744906.88	2117442.58	2	0.9573
154226	OR131	5744888.46	2118125.37	2	0.9572
205005	WG154	5746478.72	2116265.45	2	0.9572
157060	OR134	5744916.41	2118380.28	2	0.9571
217019	WG166	5747559.42	2116687.25	2	0.9571
120010	OR097	5745627.33	2115115.38	2	0.9569
138004	OR115	5745252.46	2116598.32	2	0.9569
215004	WG164	5747422.07	2116628.83	2	0.9568
119006	OR096	5745753.62	2115080.93	2	0.9568
146007	OR123	5745011.49	2117356.79	2	0.9568
111017	OR088	5746383.17	2114596.97	2	0.9568
112005	OR089	5746264.21	2114709.40	2	0.9567
136008	OR113	5745375.83	2116447.13	2	0.9566
109060	OR086	5746525.89	2114466.26	2	0.9565
136002	OR113	5745353.30	2116466.27	2	0.9564
199005	WG148	5745963.12	2116103.80	2	0.9563
132013.1	OR109	5745621.83	2116165.30	2	0.9563
213003	WG162	5747192.50	2116479.42	2	0.9562
111018	OR088	5746390.51	2114627.71	2	0.9562
202018	WG151	5746151.58	2116200.06	2	0.9561
143042	OR120	5745143.78	2117106.56	2	0.9561
147024	OR124	5744948.65	2117419.91	2	0.9560
144008	OR121	5745093.47	2117202.49	2	0.9559
144054	OR121	5745093.86	2117145.47	2	0.9559
120024	OR097	5745630.24	2115109.67	2	0.9557
143015	OR120	5745134.92	2117090.94	2	0.9557
131010	OR108	5745646.34	2116072.85	2	0.9556
143034	OR120	5745137.22	2117107.94	2	0.9556
217007	WG166	5747549.19	2116682.85	2	0.9554
153021	OR130	5744892.65	2117973.73	2	0.9554
119010	OR096	5745765.85	2115095.12	2	0.9553
152021	OR129	5744888.18	2117904.06	2	0.9552
133001	OR110	5745575.51	2116247.84	2	0.9551
118004	OR095	5745861.26	2115068.33	2	0.9551
152006	OR129	5744881.80	2117861.62	2	0.9550
145016	OR122	5745078.64	2117241.68	2	0.9550
110022	OR087	5746456.67	2114595.17	2	0.9549
111028	OR088	5746357.14	2114630.74	2	0.9547
109006	OR086	5746491.01	2114520.51	2	0.9547
139002	OR116	5745252.36	2116693.47	2	0.9546
145004	OR122	5745054.65	2117228.67	2	0.9545
145032	OR122	5745070.34	2117255.41	2	0.9543
153116	OR130	5744891.70	2118017.53	2	0.9543
109088	OR086	5746479.26	2114523.88	2	0.9542
121018	OR098	5745617.75	2115198.64	2	0.9542
112061	OR089	5746254.77	2114723.32	2	0.9542
201058	WG150	5746098.93	2116185.29	2	0.9541
113028	OR090	5746209.55	2114745.33	2	0.9540
214022	WG163	5747345.68	2116581.77	2	0.9539
232001	WG181	5748476.31	2117801.79	2	0.9539
131003	OR108	5745656.73	2116097.75	2	0.9538
111047	OR088	5746356.16	2114634.51	2	0.9538
128002	OR105	5745814.67	2115885.63	2	0.9537
157058.1	OR134	5744891.06	2118385.96	2	0.9537
205014	WG154	5746515.29	2116267.79	2	0.9537
110104	OR087	5746429.94	2114554.72	2	0.9537
202009	WG151	5746148.14	2116211.16	2	0.9536

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
198021	WG147	5745829.64	2116009.65	2	0.9536
111025	OR088	5746342.22	2114665.36	2	0.9536
207002	WG156	5746660.50	2116324.44	2	0.9536
153062	OR130	5744904.98	2117985.72	2	0.9535
152069	OR129	5744905.74	2117918.56	2	0.9535
151001	OR128	5744844.02	2117785.41	2	0.9533
212007	WG161	5747191.51	2116441.99	2	0.9532
133002	OR110	5745597.21	2116263.64	2	0.9532
112025	OR089	5746285.55	2114715.48	2	0.9532
146029	OR123	5745021.71	2117341.25	2	0.9531
220008	WG169	5747837.00	2116899.08	2	0.9530
207012	WG156	5746687.25	2116322.42	2	0.9530
210007	WG159	5747008.37	2116387.11	2	0.9530
146076	OR123	5745016.99	2117336.80	2	0.9530
208008	WG157	5746723.67	2116307.78	2	0.9529
202014.1	WG151	5746196.30	2116215.48	2	0.9529
224005	WG173	5748127.73	2117062.69	2	0.9529
110050	OR087	5746455.64	2114590.84	2	0.9528
110074	OR087	5746453.34	2114575.83	2	0.9527
109080	OR086	5746501.86	2114470.10	2	0.9527
110012	OR087	5746467.41	2114536.85	2	0.9526
110043	OR087	5746449.01	2114544.15	2	0.9526
212009	WG161	5747147.40	2116440.42	2	0.9526
111025.1	OR088	5746341.63	2114667.49	2	0.9526
223002	WG172	5748092.90	2117059.81	2	0.9524
110016	OR087	5746483.45	2114553.39	2	0.9524
114070	OR091	5746162.04	2114839.50	2	0.9523
158001	OR135	5744901.36	2118430.39	2	0.9523
145008	OR122	5745029.18	2117296.49	2	0.9522
230011	WG179	5748426.66	2117573.76	2	0.9522
109053	OR086	5746491.72	2114521.58	2	0.9522
143003	OR120	5745143.63	2117095.75	2	0.9522
141024	OR118	5745264.73	2116899.94	2	0.9522
113015	OR090	5746187.26	2114772.75	2	0.9521
119014	OR096	5745703.96	2115088.43	2	0.9521
112001	OR089	5746333.55	2114670.97	2	0.9520
143002	OR120	5745121.18	2117117.53	2	0.9520
111015	OR088	5746399.19	2114613.67	2	0.9520
125034	OR102	5745713.21	2115564.34	2	0.9520
143046	OR120	5745146.88	2117109.88	2	0.9519
109002	OR086	5746484.01	2114523.03	2	0.9519
115001	OR092	5746083.69	2114947.99	2	0.9519
110092	OR087	5746453.69	2114558.41	2	0.9519
205001	WG154	5746454.61	2116265.74	2	0.9519
157070	OR134	5744891.59	2118378.39	2	0.9518
158025	OR135	5744862.17	2118505.75	2	0.9518
122002	OR099	5745604.44	2115278.94	2	0.9518
209008	WG158	5746835.17	2116347.92	2	0.9517
114007	OR091	5746155.54	2114852.00	2	0.9517
109073	OR086	5746486.10	2114520.79	2	0.9517
112068	OR089	5746271.31	2114713.56	2	0.9516
121006	OR098	5745586.28	2115211.90	2	0.9514
109017	OR086	5746508.25	2114486.30	2	0.9514
109071	OR086	5746518.45	2114484.03	2	0.9514
211006	WG160	5747065.93	2116416.18	2	0.9514
114014	OR091	5746170.59	2114804.58	2	0.9513
202014	WG151	5746196.82	2116216.58	2	0.9513
152002	OR129	5744870.90	2117881.96	2	0.9513
220002	WG169	5747809.16	2116912.35	2	0.9513
110028	OR087	5746453.31	2114540.65	2	0.9512
155002	OR132	5744897.78	2118135.02	2	0.9512
146188	OR123	5745012.35	2117323.03	2	0.9511
114033	OR091	5746144.07	2114842.12	2	0.9511
112007	OR089	5746266.23	2114708.55	2	0.9511

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
144006	OR121	5745085.44	2117229.15	2	0.9510
110063	OR087	5746475.03	2114532.90	2	0.9510
109040	OR086	5746470.22	2114524.83	2	0.9510
226016	WG175	5748329.13	2117213.23	2	0.9510
146037	OR123	5745017.52	2117326.09	2	0.9510
142005	OR119	5745190.90	2117000.39	2	0.9509
110082	OR087	5746403.47	2114574.31	2	0.9509
112045	OR089	5746315.43	2114650.02	2	0.9509
112043	OR089	5746248.62	2114706.47	2	0.9507
212008	WG161	5747120.06	2116411.00	2	0.9507
112008	OR089	5746280.86	2114718.70	2	0.9507
116025	OR093	5746049.57	2114956.80	2	0.9507
206010	WG155	5746555.16	2116315.24	2	0.9507
147003	OR124	5744928.69	2117448.43	2	0.9506
116018	OR093	5746009.73	2114978.59	2	0.9504
109042	OR086	5746520.15	2114484.90	2	0.9503
109014	OR086	5746521.12	2114466.24	2	0.9503
144124.1	OR121	5745083.27	2117218.67	2	0.9503
202003	WG151	5746221.40	2116234.61	2	0.9502
135004	OR112	5745415.96	2116469.49	2	0.9501
152029	OR129	5744856.84	2117916.52	2	0.9501
143121	OR120	5745150.56	2117059.81	2	0.9501
147041	OR124	5744936.32	2117445.06	2	0.9501
199004	WG148	5745909.71	2116057.95	2	0.9501
149001	OR126	5744832.48	2117598.41	2	0.9501
144029	OR121	5745072.72	2117204.09	2	0.9501
116011	OR093	5746053.87	2114979.03	2	0.9500
197003	WG146	5745754.62	2115968.85	2	0.9499
147011	OR124	5744960.88	2117395.75	2	0.9498
142049	OR119	5745190.36	2117000.13	2	0.9498
157086	OR134	5744899.70	2118338.18	2	0.9498
140004	OR117	5745252.51	2116809.84	2	0.9498
158026	OR135	5744903.52	2118477.96	2	0.9498
113020	OR090	5746178.49	2114790.52	2	0.9498
121017	OR098	5745635.40	2115169.70	2	0.9498
141005	OR118	5745231.23	2116913.22	2	0.9497
155010	OR132	5744890.43	2118184.83	2	0.9497
148005	OR125	5744888.51	2117515.72	2	0.9497
215002	WG164	5747396.49	2116567.22	2	0.9497
156019	OR133	5744879.76	2118277.01	2	0.9497
110024	OR087	5746486.03	2114552.41	2	0.9496
147070	OR124	5744934.20	2117443.28	2	0.9495
109122	OR086	5746495.29	2114467.54	2	0.9495
119001	OR096	5745765.16	2115095.73	2	0.9495
112012	OR089	5746324.28	2114683.85	2	0.9495
144015	OR121	5745092.59	2117156.51	2	0.9494
144025	OR121	5745082.95	2117179.41	2	0.9494
206007	WG155	5746604.15	2116279.86	2	0.9493
151057	OR128	5744830.55	2117845.28	2	0.9492
146200	OR123	5744980.27	2117362.12	2	0.9492
149015	OR126	5744830.85	2117601.19	2	0.9492
115002	OR092	5746088.56	2114954.16	2	0.9491
110108	OR087	5746416.24	2114569.17	2	0.9491
154101	OR131	5744880.71	2118034.52	2	0.9490
200011	WG149	5746001.68	2116131.92	2	0.9489
151017	OR128	5744831.30	2117847.23	2	0.9489
134053	OR111	5745492.37	2116363.33	2	0.9489
129031	OR106	5745772.16	2116016.71	2	0.9488
111066	OR088	5746398.14	2114604.04	2	0.9488
154014	OR131	5744896.99	2118060.51	2	0.9487
153128	OR130	5744885.47	2118007.74	2	0.9487
154091	OR131	5744897.83	2118060.02	2	0.9487
152016	OR129	5744888.10	2117917.53	2	0.9486
146158.1	OR123	5745006.06	2117313.17	2	0.9486

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
110096	OR087	5746451.09	2114541.51	2	0.9486
213008	WG162	5747262.07	2116498.70	2	0.9486
110053	OR087	5746454.94	2114578.04	2	0.9486
143061	OR120	5745134.32	2117105.48	2	0.9485
113001	OR090	5746195.77	2114803.46	2	0.9485
212029	WG161	5747124.62	2116430.46	2	0.9485
110025	OR087	5746450.76	2114546.63	2	0.9484
109057	OR086	5746480.53	2114529.16	2	0.9484
151004	OR128	5744823.66	2117747.40	2	0.9484
146008	OR123	5744997.03	2117364.42	2	0.9484
144023	OR121	5745111.89	2117139.89	2	0.9483
143013	OR120	5745131.85	2117099.74	2	0.9483
109028	OR086	5746513.74	2114475.67	2	0.9483
197060	WG146	5745762.87	2115994.36	2	0.9483
122016	OR099	5745635.48	2115285.13	2	0.9483
126011	OR103	5745758.37	2115630.72	2	0.9482
128048	OR105	5745777.78	2115873.13	2	0.9482
111025.1	OR088	5746341.97	2114666.24	2	0.9482
145086	OR122	5745014.03	2117289.02	2	0.9482
145011	OR122	5745055.45	2117258.29	2	0.9481
129002	OR106	5745764.80	2115993.94	2	0.9481
113018	OR090	5746246.43	2114750.56	2	0.9481
112041	OR089	5746267.37	2114702.13	2	0.9481
112017	OR089	5746245.02	2114712.93	2	0.9480
141031	OR118	5745231.38	2116888.74	2	0.9480
114011	OR091	5746154.80	2114870.94	2	0.9479
213006	WG162	5747244.43	2116470.77	2	0.9479
116009	OR093	5746069.82	2114967.09	2	0.9477
144010.1	OR121	5745095.15	2117156.00	2	0.9477
146017	OR123	5744965.54	2117364.90	2	0.9477
110110	OR087	5746457.18	2114543.07	2	0.9477
139003	OR116	5745251.58	2116716.83	2	0.9477
109067	OR086	5746501.58	2114525.16	2	0.9476
143033	OR120	5745131.38	2117103.95	2	0.9476
110051	OR087	5746453.93	2114598.04	2	0.9476
145062	OR122	5745066.70	2117268.05	2	0.9476
158010	OR135	5744890.55	2118515.32	2	0.9475
204005	WG153	5746408.16	2116291.88	2	0.9474
110021	OR087	5746468.09	2114530.05	2	0.9474
150002	OR127	5744808.51	2117693.40	2	0.9473
148003	OR125	5744886.16	2117519.02	2	0.9473
223006	WG172	5748094.03	2117055.65	2	0.9473
117003	OR094	5745956.88	2115046.11	2	0.9472
120017	OR097	5745652.93	2115106.61	2	0.9472
158019	OR135	5744891.09	2118440.20	2	0.9471
144019	OR121	5745072.51	2117205.60	2	0.9471
157076	OR134	5744913.84	2118417.40	2	0.9471
111011	OR088	5746404.86	2114608.23	2	0.9470
212005	WG161	5747177.49	2116459.66	2	0.9470
141003	OR118	5745229.69	2116942.86	2	0.9470
110008	OR087	5746428.64	2114568.04	2	0.9469
147004	OR124	5744934.86	2117443.68	2	0.9469
111012	OR088	5746344.69	2114665.49	2	0.9469
211004	WG160	5747067.57	2116380.91	2	0.9468
232002	WG181	5748469.40	2117743.66	2	0.9468
109009	OR086	5746512.62	2114475.64	2	0.9467
110015	OR087	5746457.14	2114575.21	2	0.9467
145126	OR122	5745051.86	2117260.65	2	0.9467
122005	OR099	5745641.22	2115277.30	2	0.9467
140005	OR117	5745240.63	2116834.52	2	0.9467
154068	OR131	5744914.36	2118106.29	2	0.9466
109063	OR086	5746513.53	2114475.90	2	0.9466
111022	OR088	5746391.80	2114627.96	2	0.9466
120003	OR097	5745643.94	2115134.42	2	0.9466

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146001	OR123	5745001.17	2117380.80	2	0.9465
143029	OR120	5745149.19	2117074.19	2	0.9465
112014	OR089	5746278.32	2114704.46	2	0.9465
110033	OR087	5746410.23	2114572.02	2	0.9465
143011	OR120	5745159.31	2117072.05	2	0.9465
143004	OR120	5745131.69	2117103.52	2	0.9464
144025.1	OR121	5745083.89	2117180.20	2	0.9464
146045	OR123	5744981.34	2117382.36	2	0.9464
110042	OR087	5746443.55	2114551.52	2	0.9463
110030	OR087	5746461.57	2114568.49	2	0.9463
128037	OR105	5745774.67	2115888.60	2	0.9463
143012	OR120	5745131.27	2117092.41	2	0.9463
202026	WG151	5746194.65	2116215.00	2	0.9462
146051	OR123	5745017.43	2117335.45	2	0.9462
124054	OR101	5745691.43	2115457.74	2	0.9461
141009	OR118	5745241.99	2116933.65	2	0.9461
146027	OR123	5745017.26	2117322.20	2	0.9461
128064.1	OR105	5745768.39	2115890.65	2	0.9460
145037	OR122	5745058.89	2117242.72	2	0.9460
155003	OR132	5744887.34	2118192.07	2	0.9459
156006	OR133	5744897.46	2118228.80	2	0.9458
113005	OR090	5746219.51	2114754.45	2	0.9458
147014	OR124	5744903.33	2117473.41	2	0.9458
146002	OR123	5745003.52	2117355.58	2	0.9458
133006	OR110	5745576.22	2116269.48	2	0.9457
155004	OR132	5744920.30	2118144.65	2	0.9457
123003	OR100	5745663.75	2115422.04	2	0.9457
210016	WG159	5746953.23	2116378.33	2	0.9457
143022	OR120	5745145.39	2117087.33	2	0.9457
114024	OR091	5746145.42	2114836.61	2	0.9456
144049	OR121	5745080.74	2117200.72	2	0.9456
158034	OR135	5744860.48	2118481.89	2	0.9456
217043	WG166	5747522.21	2116701.80	2	0.9455
110016.1	OR087	5746484.89	2114553.71	2	0.9455
112019	OR089	5746287.41	2114711.23	2	0.9455
204017	WG153	5746352.70	2116295.52	2	0.9454
126032	OR103	5745731.64	2115663.51	2	0.9453
199030	WG148	5745940.95	2116086.67	2	0.9453
206003	WG155	5746620.46	2116303.45	2	0.9453
152017	OR129	5744844.19	2117870.84	2	0.9452
112026	OR089	5746257.05	2114718.87	2	0.9452
150010	OR127	5744818.43	2117653.39	2	0.9452
110017	OR087	5746460.87	2114573.14	2	0.9452
133023	OR110	5745563.63	2116276.58	2	0.9452
223008	WG172	5748092.64	2117058.41	2	0.9451
109068	OR086	5746534.70	2114479.25	2	0.9451
112002	OR089	5746308.68	2114703.85	2	0.9451
146138	OR123	5744963.09	2117357.79	2	0.9449
152010	OR129	5744906.55	2117900.40	2	0.9448
110039	OR087	5746457.64	2114556.73	2	0.9448
148010	OR125	5744883.24	2117508.91	2	0.9448
144039	OR121	5745072.37	2117172.97	2	0.9448
140033	OR117	5745252.92	2116820.75	2	0.9447
155053	OR132	5744919.43	2118164.81	2	0.9447
116027	OR093	5746003.52	2114981.18	2	0.9445
146030	OR123	5744992.42	2117378.05	2	0.9444
111057	OR088	5746404.68	2114610.17	2	0.9443
110046	OR087	5746438.75	2114559.54	2	0.9443
124001	OR101	5745648.83	2115478.94	2	0.9443
156080	OR133	5744899.77	2118255.92	2	0.9442
152078.1	OR129	5744905.84	2117918.82	2	0.9442
153003	OR130	5744903.83	2118024.05	2	0.9441
112036	OR089	5746326.49	2114681.12	2	0.9441
113010	OR090	5746200.09	2114776.11	2	0.9440

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144018	OR121	5745073.40	2117204.66	2	0.9440
237045	WG186	5748610.79	2118266.25	2	0.9440
237002	WG186	5748614.82	2118253.77	2	0.9440
144116	OR121	5745091.03	2117146.62	2	0.9440
200018	WG149	5745981.58	2116111.51	2	0.9440
114045	OR091	5746168.21	2114832.61	2	0.9440
109041	OR086	5746510.75	2114466.07	2	0.9439
209028	WG158	5746916.51	2116350.70	2	0.9439
110036	OR087	5746492.83	2114551.33	2	0.9439
112039	OR089	5746315.49	2114648.84	2	0.9439
143001	OR120	5745141.19	2117075.74	2	0.9439
114024.1	OR091	5746144.98	2114837.76	2	0.9438
156220	OR133	5744873.93	2118277.37	2	0.9437
109034	OR086	5746503.00	2114497.04	2	0.9436
109064	OR086	5746490.67	2114459.28	2	0.9436
112024	OR089	5746263.10	2114690.52	2	0.9436
145048	OR122	5745073.22	2117252.02	2	0.9435
125032.1	OR102	5745749.72	2115599.10	2	0.9435
200014	WG149	5746021.86	2116146.12	2	0.9434
129005	OR106	5745814.25	2115957.62	2	0.9433
152172	OR129	5744858.18	2117913.47	2	0.9432
143045	OR120	5745171.24	2117081.06	2	0.9431
145033	OR122	5745044.54	2117266.44	2	0.9430
115031	OR092	5746137.05	2114895.94	2	0.9429
224039	WG173	5748176.67	2117082.99	2	0.9429
144053	OR121	5745090.05	2117145.46	2	0.9429
203002	WG152	5746312.88	2116245.27	2	0.9429
138048	OR115	5745260.29	2116579.79	2	0.9429
111002	OR088	5746391.15	2114611.73	2	0.9428
110005	OR087	5746490.46	2114546.37	2	0.9427
154192	OR131	5744890.08	2118026.94	2	0.9427
111040	OR088	5746386.74	2114607.15	2	0.9426
216001	WG165	5747503.73	2116657.20	2	0.9425
146041	OR123	5744981.23	2117397.94	2	0.9425
112052	OR089	5746306.76	2114697.51	2	0.9424
112072.1	OR089	5746306.98	2114697.40	2	0.9424
204017.1	WG153	5746352.95	2116294.47	2	0.9424
112079	OR089	5746264.38	2114692.03	2	0.9424
153010	OR130	5744891.86	2118019.16	2	0.9424
111058	OR088	5746382.41	2114602.62	2	0.9424
207009	WG156	5746681.44	2116311.88	2	0.9423
154006	OR131	5744920.26	2118047.84	2	0.9423
110010	OR087	5746452.58	2114577.87	2	0.9423
114003	OR091	5746168.51	2114854.90	2	0.9423
202054	WG151	5746147.35	2116209.35	2	0.9423
114020	OR091	5746132.08	2114871.86	2	0.9423
112027	OR089	5746275.07	2114703.51	2	0.9423
140023	OR117	5745241.13	2116851.16	2	0.9423
154187	OR131	5744883.96	2118035.63	2	0.9423
144018.1	OR121	5745074.30	2117204.59	2	0.9423
110069	OR087	5746464.37	2114582.15	2	0.9422
153107	OR130	5744925.13	2117955.06	2	0.9422
121012	OR098	5745595.55	2115158.45	2	0.9422
147038	OR124	5744950.88	2117418.09	2	0.9422
199012	WG148	5745946.88	2116089.46	2	0.9421
156127	OR133	5744878.84	2118305.94	2	0.9421
120008	OR097	5745662.26	2115136.44	2	0.9421
157077	OR134	5744909.43	2118361.02	2	0.9421
110083	OR087	5746444.31	2114563.76	2	0.9421
109001.1	OR086	5746486.22	2114520.90	2	0.9420
143017	OR120	5745152.80	2117057.42	2	0.9420
209009	WG158	5746851.07	2116325.03	2	0.9420
109013	OR086	5746491.84	2114524.18	2	0.9419
115003	OR092	5746137.05	2114897.79	2	0.9419

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
151009	OR128	5744833.92	2117800.69	2	0.9418
147026	OR124	5744944.48	2117420.92	2	0.9418
126028	OR103	5745762.76	2115662.20	2	0.9417
113019	OR090	5746197.55	2114765.80	2	0.9417
215005	WG164	5747447.84	2116612.64	2	0.9417
118012	OR095	5745819.59	2115067.71	2	0.9417
146136	OR123	5744988.89	2117314.79	2	0.9416
146194	OR123	5745006.03	2117310.71	2	0.9416
137016	OR114	5745247.32	2116550.34	2	0.9416
209005	WG158	5746887.72	2116356.88	2	0.9416
143011.1	OR120	5745160.00	2117072.72	2	0.9416
111030	OR088	5746400.45	2114621.63	2	0.9415
109050	OR086	5746493.79	2114518.67	2	0.9415
116022	OR093	5746043.26	2114953.71	2	0.9414
113006	OR090	5746197.90	2114779.96	2	0.9414
110062	OR087	5746427.02	2114578.27	2	0.9414
110108.1	OR087	5746417.49	2114569.14	2	0.9414
128025	OR105	5745780.74	2115886.77	2	0.9413
110001	OR087	5746446.84	2114553.39	2	0.9412
112034	OR089	5746267.95	2114702.24	2	0.9412
113012	OR090	5746208.19	2114744.15	2	0.9411
109065	OR086	5746517.84	2114512.44	2	0.9411
148011	OR125	5744861.02	2117531.03	2	0.9411
132009	OR109	5745628.06	2116165.48	2	0.9410
214027	WG163	5747334.77	2116531.56	2	0.9410
224014	WG173	5748127.79	2117068.88	2	0.9410
144043	OR121	5745064.33	2117181.70	2	0.9408
214008	WG163	5747338.67	2116569.17	2	0.9408
117009	OR094	5745893.80	2115041.73	2	0.9408
112040	OR089	5746294.96	2114705.56	2	0.9408
158057	OR135	5744900.13	2118475.20	2	0.9407
137004	OR114	5745287.56	2116551.85	2	0.9407
155075	OR132	5744877.63	2118207.73	2	0.9407
143006	OR120	5745114.68	2117127.94	2	0.9406
201023	WG150	5746069.93	2116166.60	2	0.9406
154080	OR131	5744879.64	2118059.67	2	0.9406
197002	WG146	5745764.95	2115993.95	2	0.9406
219013	WG168	5747745.16	2116836.13	2	0.9405
145106	OR122	5745030.52	2117267.10	2	0.9405
142073	OR119	5745213.78	2116982.86	2	0.9404
109004	OR086	5746517.87	2114450.09	2	0.9404
118014	OR095	5745865.91	2115064.64	2	0.9404
155022	OR132	5744900.96	2118152.13	2	0.9403
141018	OR118	5745224.79	2116867.73	2	0.9403
128013	OR105	5745770.81	2115885.32	2	0.9403
143008	OR120	5745156.01	2117049.47	2	0.9403
144142	OR121	5745093.45	2117159.88	2	0.9402
146014	OR123	5745006.56	2117312.06	2	0.9402
111072	OR088	5746373.16	2114608.57	2	0.9402
140071	OR117	5745239.92	2116809.31	2	0.9402
154018	OR131	5744911.31	2118061.75	2	0.9402
111005	OR088	5746343.45	2114667.54	2	0.9400
199017	WG148	5745951.22	2116096.22	2	0.9400
121007	OR098	5745589.78	2115168.52	2	0.9400
110061	OR087	5746453.43	2114535.85	2	0.9399
137032	OR114	5745307.48	2116504.47	2	0.9399
198004	WG147	5745841.04	2116053.57	2	0.9399
157025	OR134	5744898.19	2118336.84	2	0.9398
126007	OR103	5745801.13	2115701.24	2	0.9398
155228	OR132	5744887.24	2118193.68	2	0.9398
140031	OR117	5745252.19	2116811.06	2	0.9398
109026	OR086	5746493.55	2114480.53	2	0.9397
113005.1	OR090	5746220.06	2114753.48	2	0.9397
146026	OR123	5744992.10	2117323.06	2	0.9395

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
128059	OR105	5745773.75	2115907.15	2	0.9395
112009	OR089	5746302.26	2114668.39	2	0.9394
146115	OR123	5745018.46	2117332.91	2	0.9394
146036	OR123	5744966.99	2117379.94	2	0.9393
110038	OR087	5746472.11	2114532.99	2	0.9392
126023	OR103	5745761.25	2115623.25	2	0.9392
200051	WG149	5746032.29	2116185.33	2	0.9392
144017	OR121	5745077.55	2117204.63	2	0.9391
110058	OR087	5746469.59	2114581.58	2	0.9391
141020	OR118	5745201.40	2116947.20	2	0.9390
157019	OR134	5744897.99	2118339.67	2	0.9388
112003	OR089	5746283.35	2114712.15	2	0.9388
128031	OR105	5745776.80	2115878.81	2	0.9388
109027	OR086	5746494.25	2114519.26	2	0.9387
150017.1	OR127	5744792.27	2117747.15	2	0.9387
220005	WG169	5747837.73	2116900.00	2	0.9386
111039	OR088	5746358.24	2114614.84	2	0.9386
146018	OR123	5745000.21	2117347.27	2	0.9386
120009	OR097	5745686.58	2115130.50	2	0.9386
113025	OR090	5746228.72	2114722.48	2	0.9386
154077	OR131	5744881.51	2118090.32	2	0.9386
114006	OR091	5746148.01	2114838.70	2	0.9385
113041	OR090	5746197.76	2114780.04	2	0.9385
113017	OR090	5746242.56	2114754.06	2	0.9384
156212	OR133	5744907.84	2118315.66	2	0.9384
143035	OR120	5745132.84	2117108.52	2	0.9384
154159.1	OR131	5744900.49	2118074.74	2	0.9383
120019	OR097	5745687.94	2115093.91	2	0.9383
109018	OR086	5746518.32	2114486.71	2	0.9383
110014	OR087	5746459.11	2114592.39	2	0.9382
144020	OR121	5745085.55	2117192.16	2	0.9382
145132	OR122	5745019.85	2117255.68	2	0.9382
114054	OR091	5746128.09	2114867.82	2	0.9382
155235	OR132	5744888.40	2118158.49	2	0.9382
113014	OR090	5746211.90	2114744.11	2	0.9382
210019	WG159	5746966.73	2116382.83	2	0.9382
130006	OR107	5745702.96	2116052.85	2	0.9381
110042.1	OR087	5746442.58	2114551.96	2	0.9380
146012	OR123	5745007.17	2117316.02	2	0.9380
157004	OR134	5744883.93	2118325.84	2	0.9380
148020	OR125	5744868.79	2117527.14	0	0.9379
143042.1	OR120	5745144.79	2117106.88	2	0.9379
109021	OR086	5746508.73	2114455.64	2	0.9379
146005	OR123	5745014.62	2117328.50	2	0.9379
156010	OR133	5744900.48	2118235.93	2	0.9379
110020	OR087	5746430.48	2114575.24	2	0.9378
110014.1	OR087	5746460.23	2114592.82	2	0.9377
109044	OR086	5746492.05	2114482.02	2	0.9377
110091	OR087	5746422.25	2114569.76	2	0.9377
146016	OR123	5745000.28	2117373.97	2	0.9377
110086	OR087	5746447.61	2114546.65	2	0.9377
120004	OR097	5745651.01	2115144.81	2	0.9377
200012	WG149	5746009.97	2116126.25	2	0.9376
154201	OR131	5744920.61	2118043.49	2	0.9376
153011	OR130	5744891.25	2117988.54	2	0.9376
155021	OR132	5744920.07	2118202.26	2	0.9375
145001	OR122	5745066.54	2117262.00	2	0.9375
142069	OR119	5745195.62	2116960.88	2	0.9375
110096.1	OR087	5746450.60	2114540.49	2	0.9375
219002	WG168	5747711.90	2116829.99	2	0.9374
109112	OR086	5746507.83	2114483.86	2	0.9374
111041	OR088	5746334.76	2114630.08	2	0.9373
202019	WG151	5746221.97	2116227.95	2	0.9373
157180	OR134	5744901.27	2118334.00	2	0.9373

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
112093	OR089	5746327.65	2114677.89	2	0.9373
137005	OR114	5745253.98	2116530.78	2	0.9372
145019	OR122	5745056.21	2117254.32	2	0.9371
109079	OR086	5746501.08	2114460.20	2	0.9370
157018	OR134	5744901.16	2118333.96	2	0.9370
109102.1	OR086	5746517.73	2114451.33	2	0.9369
147021	OR124	5744955.30	2117430.60	2	0.9369
146029.1	OR123	5745021.14	2117342.13	2	0.9368
145027	OR122	5745047.79	2117298.90	2	0.9368
113013	OR090	5746245.64	2114732.11	2	0.9368
146121	OR123	5744981.49	2117396.91	2	0.9367
113004	OR090	5746244.56	2114752.73	2	0.9367
112006	OR089	5746284.51	2114684.07	2	0.9367
229007	WG178	5748399.45	2117546.66	2	0.9366
112077	OR089	5746264.29	2114690.47	2	0.9366
111069	OR088	5746352.89	2114619.01	2	0.9365
237003	WG186	5748560.70	2118240.87	2	0.9365
140022	OR117	5745274.68	2116838.02	2	0.9365
112038	OR089	5746256.90	2114705.81	2	0.9364
199002	WG148	5745903.32	2116058.14	2	0.9363
145070	OR122	5745001.82	2117296.89	2	0.9363
146193	OR123	5744966.34	2117364.33	2	0.9363
114061	OR091	5746131.07	2114875.02	2	0.9363
154148	OR131	5744882.38	2118038.04	2	0.9362
204008	WG153	5746412.43	2116299.37	2	0.9362
143007	OR120	5745151.15	2117073.67	2	0.9362
200052	WG149	5746036.29	2116136.52	2	0.9362
152004	OR129	5744858.99	2117855.69	2	0.9362
144024	OR121	5745117.66	2117138.41	2	0.9361
111021	OR088	5746376.16	2114611.30	2	0.9360
207003	WG156	5746655.22	2116316.83	2	0.9360
217025	WG166	5747549.00	2116682.87	2	0.9359
158007	OR135	5744868.53	2118432.54	2	0.9359
113034	OR090	5746212.75	2114746.04	2	0.9358
154091.1	OR131	5744898.62	2118059.17	2	0.9356
216003	WG165	5747526.17	2116664.26	2	0.9355
144034	OR121	5745076.98	2117200.63	2	0.9354
110056	OR087	5746458.71	2114551.92	2	0.9354
150031	OR127	5744816.38	2117740.89	2	0.9354
111004	OR088	5746411.88	2114609.46	2	0.9354
224038	WG173	5748176.00	2117082.85	2	0.9353
237034	WG186	5748604.62	2118238.95	2	0.9352
114010	OR091	5746132.68	2114874.65	2	0.9352
114018	OR091	5746146.14	2114848.78	2	0.9352
112055	OR089	5746252.19	2114704.81	2	0.9352
112083	OR089	5746302.28	2114655.85	2	0.9352
224001.1	WG173	5748172.07	2117088.48	2	0.9351
146085	OR123	5744977.63	2117341.53	2	0.9351
212012	WG161	5747109.09	2116432.04	2	0.9351
147012	OR124	5744951.14	2117448.28	2	0.9351
203035	WG152	5746238.58	2116229.22	2	0.9350
156055	OR133	5744895.47	2118287.81	2	0.9350
110075	OR087	5746473.08	2114536.69	2	0.9349
231002	WG180	5748432.21	2117666.32	2	0.9348
202026.1	WG151	5746193.00	2116214.35	2	0.9348
146107	OR123	5745009.66	2117321.71	2	0.9348
214014	WG163	5747361.23	2116561.34	2	0.9347
153149	OR130	5744876.93	2118021.25	2	0.9347
115013	OR092	5746083.26	2114938.97	2	0.9347
112004.1	OR089	5746274.03	2114702.47	2	0.9347
126004	OR103	5745770.33	2115676.50	2	0.9346
157014	OR134	5744882.45	2118374.96	2	0.9346
156209	OR133	5744886.47	2118256.86	2	0.9346
143012.1	OR120	5745131.62	2117091.37	2	0.9346

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
114005	OR091	5746131.54	2114865.26	2	0.9345
128010	OR105	5745773.35	2115880.66	2	0.9345
145043	OR122	5745070.56	2117256.89	2	0.9345
145007	OR122	5745037.69	2117300.03	2	0.9345
121045.1	OR098	5745619.18	2115189.24	2	0.9344
110011	OR087	5746493.88	2114560.36	2	0.9344
128034	OR105	5745780.39	2115887.44	2	0.9344
218004	WG167	5747638.49	2116790.19	2	0.9343
153017	OR130	5744883.23	2117986.78	2	0.9343
154069	OR131	5744879.21	2118027.31	2	0.9342
155015	OR132	5744897.94	2118194.45	2	0.9342
111026	OR088	5746368.72	2114618.50	2	0.9342
110054	OR087	5746422.54	2114563.08	2	0.9341
234002	WG183	5748475.75	2118004.48	2	0.9341
151082	OR128	5744834.99	2117799.95	2	0.9338
130010	OR107	5745681.70	2116066.93	2	0.9338
219016	WG168	5747747.53	2116834.01	2	0.9337
153033	OR130	5744881.43	2117963.75	2	0.9337
204016	WG153	5746359.39	2116258.59	2	0.9336
154071	OR131	5744902.51	2118077.22	2	0.9336
110017.1	OR087	5746460.55	2114572.17	2	0.9335
112033	OR089	5746265.62	2114705.08	2	0.9335
200008	WG149	5746021.90	2116131.39	2	0.9333
114072	OR091	5746152.07	2114845.46	2	0.9333
148008	OR125	5744884.75	2117516.37	2	0.9332
155037	OR132	5744887.39	2118216.63	2	0.9332
224010	WG173	5748170.58	2117088.99	2	0.9331
111058.1	OR088	5746382.56	2114604.05	2	0.9331
198018	WG147	5745835.40	2116042.49	2	0.9330
123001	OR100	5745672.00	2115430.76	2	0.9330
147016	OR124	5744924.54	2117463.24	2	0.9330
154117	OR131	5744898.90	2118039.44	2	0.9329
153094	OR130	5744919.51	2117942.44	2	0.9329
146036.1	OR123	5744968.11	2117380.18	2	0.9327
200017	WG149	5746008.40	2116127.23	2	0.9327
214001	WG163	5747338.65	2116569.22	2	0.9327
110018	OR087	5746421.70	2114566.84	2	0.9326
144058	OR121	5745078.07	2117176.34	2	0.9326
110029	OR087	5746452.90	2114592.79	2	0.9326
144002	OR121	5745074.74	2117226.38	2	0.9325
110097	OR087	5746476.81	2114557.85	2	0.9325
112089	OR089	5746264.61	2114695.84	2	0.9324
110110.1	OR087	5746456.22	2114543.55	2	0.9324
202007	WG151	5746225.93	2116250.36	2	0.9322
205008	WG154	5746456.03	2116265.53	2	0.9322
214002	WG163	5747318.55	2116527.87	2	0.9322
116002	OR093	5746041.05	2114973.93	2	0.9321
112015	OR089	5746256.99	2114704.89	2	0.9320
214010	WG163	5747319.25	2116523.15	2	0.9320
207007	WG156	5746664.58	2116314.75	2	0.9319
109035	OR086	5746516.64	2114461.32	2	0.9318
155143	OR132	5744893.64	2118156.51	2	0.9318
143120.1	OR120	5745153.35	2117043.17	2	0.9317
155185	OR132	5744888.51	2118169.94	2	0.9317
154013.1	OR131	5744897.39	2118059.61	2	0.9317
111005.1	OR088	5746344.29	2114666.12	2	0.9317
110027	OR087	5746418.42	2114576.24	2	0.9316
199007	WG148	5745951.33	2116083.48	2	0.9316
156008	OR133	5744895.62	2118318.31	2	0.9316
144074	OR121	5745070.19	2117178.84	2	0.9316
110067	OR087	5746453.25	2114544.45	2	0.9316
204013	WG153	5746388.24	2116290.18	2	0.9316
114040	OR091	5746146.02	2114849.63	2	0.9316
144144	OR121	5745082.80	2117175.36	2	0.9316

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
156053	OR133	5744880.32	2118271.77	2	0.9314
111023	OR088	5746335.23	2114671.39	2	0.9313
148086	OR125	5744908.23	2117479.67	2	0.9313
126009	OR103	5745759.88	2115624.59	2	0.9313
146059	OR123	5744980.48	2117322.04	2	0.9313
149004	OR126	5744817.07	2117637.11	2	0.9312
152054	OR129	5744844.91	2117853.23	2	0.9312
112066	OR089	5746301.68	2114663.29	2	0.9312
157024	OR134	5744899.55	2118346.83	2	0.9311
209006	WG158	5746840.33	2116341.40	2	0.9311
110006	OR087	5746448.19	2114546.12	2	0.9310
144035	OR121	5745120.91	2117143.60	2	0.9310
154074	OR131	5744886.21	2118050.00	2	0.9310
153169	OR130	5744891.12	2117974.77	2	0.9308
201001	WG150	5746097.08	2116188.23	2	0.9307
143066	OR120	5745132.49	2117107.93	2	0.9306
141007	OR118	5745229.31	2116874.05	2	0.9306
157131.1	OR134	5744893.12	2118330.74	2	0.9305
155148	OR132	5744901.00	2118128.66	2	0.9305
112044	OR089	5746291.05	2114667.03	2	0.9304
202064	WG151	5746181.59	2116257.22	2	0.9303
128005	OR105	5745777.94	2115876.68	2	0.9303
128012.1	OR105	5745776.67	2115874.71	2	0.9302
149030	OR126	5744858.12	2117588.13	2	0.9301
113003	OR090	5746198.10	2114799.05	2	0.9301
224012	WG173	5748126.75	2117063.50	2	0.9301
152104	OR129	5744877.16	2117923.55	2	0.9301
121004	OR098	5745625.05	2115170.86	2	0.9298
121015	OR098	5745588.85	2115204.66	2	0.9298
128020	OR105	5745776.47	2115880.12	2	0.9298
153157	OR130	5744884.74	2117956.19	2	0.9297
110084	OR087	5746425.01	2114568.97	2	0.9296
144127	OR121	5745092.92	2117138.33	2	0.9296
150041	OR127	5744799.88	2117685.91	2	0.9295
112013	OR089	5746321.33	2114681.73	2	0.9293
211037	WG160	5747067.79	2116380.75	2	0.9292
109046	OR086	5746505.13	2114531.31	2	0.9292
116023	OR093	5746038.51	2114957.21	2	0.9292
234007	WG183	5748475.90	2118003.40	2	0.9292
154223	OR131	5744894.06	2118048.23	2	0.9291
127002	OR104	5745794.49	2115748.51	2	0.9291
146004	OR123	5744962.79	2117369.14	2	0.9290
155020	OR132	5744889.58	2118185.27	2	0.9290
156039	OR133	5744884.83	2118296.85	2	0.9290
213003.1	WG162	5747192.38	2116478.10	2	0.9289
209007	WG158	5746828.48	2116339.72	2	0.9289
146032	OR123	5745007.69	2117315.43	2	0.9288
110019	OR087	5746488.17	2114569.56	2	0.9287
201045	WG150	5746074.95	2116170.79	2	0.9287
110098	OR087	5746487.03	2114556.44	2	0.9287
111023.1	OR088	5746336.15	2114671.75	2	0.9287
143108	OR120	5745138.53	2117091.01	2	0.9286
153019	OR130	5744900.19	2117936.84	2	0.9285
154032	OR131	5744892.09	2118077.74	2	0.9284
153057	OR130	5744885.60	2118004.69	2	0.9284
230006	WG179	5748419.24	2117543.37	2	0.9284
145024	OR122	5745034.96	2117307.67	2	0.9284
135012	OR112	5745418.47	2116436.48	2	0.9283
116051	OR093	5746045.89	2114950.46	2	0.9282
144044	OR121	5745083.14	2117199.34	2	0.9282
155209	OR132	5744886.84	2118208.67	2	0.9282
152015	OR129	5744889.83	2117919.86	2	0.9282
132008	OR109	5745630.94	2116208.70	2	0.9281
113026	OR090	5746224.89	2114748.54	2	0.9281

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
203035.1	WG152	5746239.12	2116228.58	2	0.9280
128046	OR105	5745775.90	2115875.99	2	0.9280
201010	WG150	5746101.17	2116182.53	2	0.9280
114016	OR091	5746141.52	2114876.03	2	0.9280
217004	WG166	5747577.36	2116712.51	2	0.9277
128047	OR105	5745770.65	2115882.45	2	0.9277
116001	OR093	5745989.39	2115003.93	2	0.9276
215007	WG164	5747422.76	2116629.34	2	0.9275
126008	OR103	5745731.84	2115662.94	2	0.9275
147009	OR124	5744930.98	2117447.00	2	0.9274
110089	OR087	5746412.18	2114575.47	2	0.9273
112058.1	OR089	5746275.12	2114703.61	2	0.9272
143001.1	OR120	5745142.09	2117075.80	2	0.9271
146049	OR123	5744997.58	2117312.19	2	0.9269
109048	OR086	5746498.84	2114467.76	2	0.9269
112022	OR089	5746290.43	2114708.39	2	0.9269
112084	OR089	5746251.36	2114702.97	2	0.9268
199020	WG148	5745942.27	2116083.34	2	0.9268
129003	OR106	5745801.73	2115997.37	2	0.9268
115010	OR092	5746109.21	2114933.21	2	0.9267
110057	OR087	5746468.60	2114535.31	2	0.9267
113047	OR090	5746248.78	2114723.84	2	0.9266
136009	OR113	5745350.86	2116460.45	2	0.9266
109096	OR086	5746524.33	2114493.42	2	0.9266
128024	OR105	5745778.65	2115882.11	2	0.9266
202023	WG151	5746146.40	2116199.14	2	0.9265
200001	WG149	5745983.16	2116114.42	2	0.9265
158043	OR135	5744876.11	2118493.67	2	0.9265
215012	WG164	5747404.69	2116612.28	2	0.9264
154099	OR131	5744909.30	2118109.06	2	0.9264
114005.1	OR091	5746132.50	2114864.96	2	0.9263
144124	OR121	5745083.74	2117218.08	2	0.9263
158012	OR135	5744890.83	2118494.04	2	0.9263
215025.1	WG164	5747383.96	2116610.36	2	0.9262
156060	OR133	5744874.49	2118271.81	2	0.9261
150004	OR127	5744800.49	2117699.64	2	0.9261
128058	OR105	5745780.12	2115882.77	2	0.9260
147054	OR124	5744916.48	2117429.31	2	0.9260
145022	OR122	5745054.24	2117279.22	2	0.9259
150003	OR127	5744815.16	2117697.18	0	0.9258
109132	OR086	5746534.44	2114488.34	2	0.9258
155204	OR132	5744888.68	2118203.32	2	0.9257
118005	OR095	5745861.42	2115068.00	2	0.9257
153039	OR130	5744878.86	2118023.20	2	0.9256
143052	OR120	5745120.73	2117089.62	2	0.9255
153080	OR130	5744886.26	2117971.18	2	0.9255
124005	OR101	5745706.87	2115516.59	2	0.9254
152022	OR129	5744888.99	2117921.02	2	0.9254
111005.1	OR088	5746343.06	2114665.98	2	0.9252
202013	WG151	5746144.41	2116209.32	2	0.9252
111016	OR088	5746403.19	2114608.59	2	0.9252
110059	OR087	5746457.53	2114533.27	2	0.9251
131004	OR108	5745681.01	2116074.38	2	0.9250
141118	OR118	5745223.93	2116912.45	0	0.9250
138005	OR115	5745254.67	2116657.54	2	0.9249
111060	OR088	5746340.20	2114632.25	2	0.9248
221001	WG170	5747855.41	2116952.09	2	0.9247
224039.1	WG173	5748177.85	2117082.36	2	0.9247
237005	WG186	5748621.54	2118274.89	2	0.9245
110004	OR087	5746455.97	2114590.83	2	0.9245
207004	WG156	5746686.10	2116322.26	2	0.9242
128017	OR105	5745779.78	2115905.11	2	0.9242
152129	OR129	5744868.16	2117921.68	2	0.9242
157086.1	OR134	5744900.75	2118337.95	2	0.9241

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
112073	OR089	5746302.12	2114660.79	2	0.9241
158058	OR135	5744866.16	2118448.42	2	0.9241
217005	WG166	5747520.69	2116701.15	2	0.9240
147007	OR124	5744958.01	2117393.68	2	0.9238
145064	OR122	5745052.24	2117260.41	2	0.9238
154131	OR131	5744906.48	2118070.87	2	0.9237
113013.1	OR090	5746244.62	2114732.23	2	0.9237
145069	OR122	5745064.38	2117261.46	2	0.9236
144016	OR121	5745107.55	2117154.97	2	0.9236
124006	OR101	5745649.01	2115478.71	2	0.9236
152047	OR129	5744840.25	2117868.88	2	0.9236
202028	WG151	5746220.44	2116235.46	2	0.9234
111056	OR088	5746386.42	2114594.58	2	0.9234
111008	OR088	5746355.48	2114633.73	2	0.9232
146143	OR123	5745003.65	2117377.61	2	0.9232
110052	OR087	5746488.47	2114541.20	2	0.9231
199011	WG148	5745917.43	2116067.37	2	0.9231
211002	WG160	5747050.52	2116400.80	2	0.9230
146021	OR123	5745024.97	2117327.36	2	0.9230
112020	OR089	5746264.46	2114703.80	2	0.9228
114029	OR091	5746143.92	2114838.17	2	0.9228
146043	OR123	5744966.81	2117353.13	2	0.9228
141023	OR118	5745233.99	2116930.98	2	0.9226
115056	OR092	5746117.91	2114916.69	2	0.9226
157037	OR134	5744909.14	2118351.51	2	0.9226
213037	WG162	5747219.85	2116455.56	2	0.9225
154039	OR131	5744902.41	2118048.04	2	0.9225
144050	OR121	5745080.70	2117199.24	2	0.9224
143019	OR120	5745147.46	2117097.38	2	0.9224
156016	OR133	5744894.10	2118261.84	2	0.9223
109024	OR086	5746474.09	2114528.62	2	0.9223
200003	WG149	5746026.65	2116143.41	2	0.9222
150006	OR127	5744816.02	2117670.26	2	0.9221
200045	WG149	5746052.63	2116157.19	2	0.9221
152183	OR129	5744897.96	2117891.47	2	0.9220
140026	OR117	5745264.34	2116856.88	2	0.9220
215025	WG164	5747385.37	2116610.08	2	0.9219
112001.1	OR089	5746334.86	2114671.17	2	0.9218
115027	OR092	5746098.98	2114925.62	2	0.9217
128008	OR105	5745772.13	2115883.72	2	0.9216
131053	OR108	5745611.78	2116141.59	2	0.9216
152053	OR129	5744870.26	2117922.44	2	0.9214
140010	OR117	5745246.89	2116851.06	2	0.9214
146068	OR123	5745003.03	2117374.74	2	0.9211
143038	OR120	5745165.35	2117073.48	2	0.9209
109030	OR086	5746501.26	2114458.66	2	0.9207
109037	OR086	5746478.98	2114508.28	2	0.9207
210056	WG159	5746936.62	2116330.76	2	0.9206
137067.1	OR114	5745306.44	2116505.28	2	0.9206
202062	WG151	5746144.21	2116207.32	2	0.9204
155197.1	OR132	5744900.05	2118151.89	2	0.9202
109013.1	OR086	5746492.23	2114525.20	2	0.9202
220003	WG169	5747781.71	2116889.16	2	0.9201
219001	WG168	5747728.62	2116821.55	2	0.9201
145035	OR122	5745040.34	2117294.32	2	0.9201
151089	OR128	5744827.27	2117816.49	2	0.9199
155074	OR132	5744901.24	2118177.77	2	0.9199
154017	OR131	5744913.33	2118067.47	2	0.9194
151008	OR128	5744825.37	2117781.02	2	0.9194
154118	OR131	5744899.01	2118027.94	2	0.9193
145023	OR122	5745060.54	2117227.94	2	0.9188
154135	OR131	5744885.98	2118089.65	2	0.9187
154002	OR131	5744891.37	2118097.87	2	0.9186
154227	OR131	5744894.03	2118117.60	2	0.9180

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
209010	WG158	5746826.52	2116335.77	2	0.9179
155239	OR132	5744898.49	2118158.89	2	0.9167
115044	OR092	5746116.93	2114886.81	2	0.9164
146040	OR123	5744972.57	2117346.23	2	0.9154
153016	OR130	5744876.24	2117956.84	2	0.9153
151014	OR128	5744808.97	2117770.94	2	0.9145
155096	OR132	5744897.99	2118160.31	2	0.9141
146095	OR123	5744964.26	2117349.22	2	0.9141
157013	OR134	5744891.60	2118376.44	2	0.9141
147046	OR124	5744949.55	2117421.55	2	0.9141
215008	WG164	5747380.29	2116587.57	2	0.9139
212002	WG161	5747166.74	2116440.52	2	0.9128
202010	WG151	5746192.21	2116215.04	2	0.9122
152152	OR129	5744852.14	2117875.65	2	0.9117
119002	OR096	5745731.85	2115081.91	2	0.9107
148009	OR125	5744880.97	2117514.25	2	0.9098
210005	WG159	5746986.66	2116375.94	2	0.9094
219007	WG168	5747752.95	2116843.18	2	0.9087
143024	OR120	5745114.10	2117091.20	2	0.9085
154035	OR131	5744900.45	2118058.05	2	0.9083
114028	OR091	5746153.97	2114856.82	2	0.9080
209015	WG158	5746852.22	2116314.68	2	0.9079
198011	WG147	5745808.83	2116000.88	2	0.9077
152005	OR129	5744887.55	2117906.40	2	0.9076
197004	WG146	5745769.04	2115976.24	2	0.9057
208001	WG157	5746763.59	2116333.14	2	0.9055
112088	OR089	5746258.28	2114711.13	0	0.9052
110099	OR087	5746487.55	2114561.35	2	0.9050
197009	WG146	5745801.80	2115997.54	2	0.9049
232022	WG181	5748477.44	2117788.06	0	0.9026
157023	OR134	5744879.09	2118378.10	2	0.9023
143059	OR120	5745122.52	2117120.25	0	0.8998
113007	OR090	5746219.61	2114763.44	2	0.8997
154120	OR131	5744886.83	2118116.16	2	0.8987
143075	OR120	5745145.30	2117131.50	2	0.8980
110076	OR087	5746430.40	2114570.83	2	0.8975
112042	OR089	5746281.90	2114722.40	2	0.8975
152121	OR129	5744858.30	2117856.38	2	0.8971
154046	OR131	5744892.80	2118029.04	2	0.8966
120035	OR097	5745615.01	2115130.27	2	0.8954
221014	WG170	5747897.06	2116930.45	2	0.8953
111035	OR088	5746394.15	2114625.30	2	0.8947
112018	OR089	5746326.20	2114698.21	2	0.8943
204012	WG153	5746410.82	2116261.00	2	0.8929
153133	OR130	5744884.19	2117941.09	0	0.8909
115009	OR092	5746101.66	2114921.57	2	0.8902
204011	WG153	5746337.80	2116261.00	0	0.8900
141047	OR118	5745217.03	2116899.85	2	0.8874
141097	OR118	5745213.70	2116934.16	2	0.8863
154228	OR131	5744897.71	2118122.53	2	0.8857
145015	OR122	5745072.64	2117242.88	2	0.8843
116005	OR093	5746009.19	2115007.88	2	0.8840
156046	OR133	5744875.85	2118270.60	2	0.8831
116015	OR093	5746015.23	2114988.03	2	0.8810
156002	OR133	5744894.79	2118240.94	2	0.8806
149005	OR126	5744824.81	2117605.66	2	0.8793
151026	OR128	5744863.09	2117833.36	0	0.8725
133015	OR110	5745595.36	2116265.05	2	0.8706
144031	OR121	5745081.32	2117217.77	2	0.8696
209016	WG158	5746905.71	2116357.12	2	0.8684
155025	OR132	5744901.49	2118189.86	2	0.8680
155006	OR132	5744920.62	2118142.52	0	0.8676
152024	OR129	5744859.26	2117883.25	2	0.8674
155001	OR132	5744897.32	2118162.96	2	0.8663

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
144026	OR121	5745109.55	2117146.41	2	0.8660
151033	OR128	5744832.22	2117833.35	0	0.8639
146019	OR123	5744990.03	2117392.08	2	0.8635
199010	WG148	5745904.96	2116098.56	2	0.8602
213012	WG162	5747201.61	2116459.31	2	0.8596
224040	WG173	5748165.75	2117081.07	2	0.8569
141094	OR118	5745255.97	2116913.63	0	0.8562
151108	OR128	5744834.87	2117839.35	2	0.8534
156096	OR133	5744874.53	2118238.08	2	0.8530
200005	WG149	5745973.67	2116115.52	2	0.8525
155017	OR132	5744908.14	2118217.49	0	0.8518
149003	OR126	5744821.02	2117633.00	2	0.8505
109089	OR086	5746505.42	2114484.35	2	0.8503
158033	OR135	5744886.44	2118429.46	2	0.8501
158114	OR135	5744866.17	2118449.79	0	0.8497
143010	OR120	5745123.59	2117118.73	0	0.8490
145014	OR122	5745040.62	2117240.01	2	0.8453
220001	WG169	5747819.71	2116885.08	2	0.8435
151043	OR128	5744862.00	2117834.01	0	0.8402
152009	OR129	5744863.61	2117878.60	2	0.8381
211007	WG160	5747094.74	2116414.92	2	0.8365
200016	WG149	5745985.01	2116117.79	2	0.8348
144057	OR121	5745082.80	2117165.77	0	0.8344
155171	OR132	5744897.11	2118170.85	2	0.8282
131017	OR108	5745612.47	2116130.60	0	0.8281
156167	OR133	5744887.60	2118307.97	0	0.8278
144062	OR121	5745077.20	2117217.24	2	0.8222
197029	WG146	5745742.08	2115940.28	2	0.8157
127007	OR104	5745804.50	2115747.37	0	0.8145
155243	OR132	5744920.15	2118145.61	0	0.8132
156029	OR133	5744919.03	2118259.51	2	0.8098
154041	OR131	5744874.78	2118098.68	0	0.8096
147035	OR124	5744917.26	2117431.50	0	0.8078
214012	WG163	5747288.48	2116525.69	2	0.8057
154083	OR131	5744916.13	2118036.56	0	0.7980
115008	OR092	5746096.06	2114949.42	2	0.7970
148037	OR125	5744865.64	2117537.16	0	0.7940
157090	OR134	5744902.82	2118417.13	0	0.7930
197010	WG146	5745723.66	2115937.59	2	0.7897
121045	OR098	5745619.29	2115187.85	0	0.7880
148082	OR125	5744904.10	2117476.10	0	0.7874
158109	OR135	5744852.53	2118509.35	0	0.7866
133104	OR110	5745561.29	2116312.13	0	0.7846
115041	OR092	5746103.30	2114913.14	2	0.7842
145140	OR122	5745039.08	2117224.69	2	0.7833
109116	OR086	5746492.62	2114488.74	2	0.7830
151068	OR128	5744830.06	2117767.26	0	0.7753
153154	OR130	5744894.61	2117985.97	0	0.7748
116055	OR093	5745997.10	2115022.61	0	0.7748
157113	OR134	5744871.44	2118413.45	0	0.7742
117035	OR094	5745978.07	2115012.62	0	0.7696
156068	OR133	5744884.28	2118277.54	2	0.7691
154073	OR131	5744889.47	2118048.37	2	0.7686
148094	OR125	5744901.84	2117499.14	0	0.7664
151145	OR128	5744828.04	2117760.85	0	0.7654
201004	WG150	5746090.93	2116198.80	2	0.7645
154100	OR131	5744894.36	2118109.13	2	0.7635
152046	OR129	5744899.10	2117894.31	0	0.7633
158082	OR135	5744856.51	2118492.92	0	0.7599
122033	OR099	5745604.01	2115297.64	0	0.7590
154048	OR131	5744897.01	2118102.56	2	0.7589
158115	OR135	5744878.60	2118492.20	0	0.7535
117047	OR094	5745955.64	2115000.42	0	0.7532
151136	OR128	5744803.65	2117767.84	0	0.7520

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
225001	WG174	5748221.64	2117149.45	2	0.7514
146184	OR123	5744973.14	2117360.75	2	0.7491
154045	OR131	5744901.01	2118117.06	2	0.7456
148070	OR125	5744873.83	2117532.24	0	0.7426
157058	OR134	5744890.17	2118386.33	2	0.7422
147095	OR124	5744965.10	2117423.48	2	0.7412
201018	WG150	5746114.67	2116191.22	2	0.7403
156203	OR133	5744888.79	2118249.41	0	0.7399
151042	OR128	5744815.59	2117773.46	0	0.7393
214009	WG163	5747320.77	2116552.23	2	0.7376
134086	OR111	5745517.42	2116326.90	0	0.7361
153065	OR130	5744907.57	2118026.69	2	0.7349
151075	OR128	5744826.01	2117772.79	0	0.7342
198028	WG147	5745851.06	2116017.16	2	0.7332
149020	OR126	5744831.54	2117593.40	2	0.7331
157081	OR134	5744908.04	2118328.72	2	0.7326
154049	OR131	5744903.32	2118041.12	2	0.7311
156054	OR133	5744893.75	2118307.23	2	0.7298
120026	OR097	5745605.40	2115147.25	0	0.7290
155163	OR132	5744920.46	2118217.34	2	0.7274
151105	OR128	5744813.92	2117796.52	0	0.7253
154072	OR131	5744887.13	2118105.01	2	0.7238
117012	OR094	5745957.49	2115017.75	0	0.7221
154147	OR131	5744874.40	2118079.01	2	0.7212
130029	OR107	5745717.60	2116017.27	0	0.7194
158094	OR135	5744888.76	2118496.99	0	0.7193
109059	OR086	5746492.37	2114492.26	2	0.7190
199013	WG148	5745904.39	2116070.77	2	0.7160
201052	WG150	5746132.04	2116190.12	2	0.7155
151162	OR128	5744804.49	2117757.35	0	0.7152
117011	OR094	5745976.86	2115025.54	0	0.7146
154235	OR131	5744910.76	2118110.27	2	0.7143
152148	OR129	5744883.77	2117900.11	0	0.7136
156022	OR133	5744894.56	2118283.26	2	0.7135
151167	OR128	5744826.52	2117777.11	0	0.7133
213018	WG162	5747192.53	2116464.66	2	0.7129
154092	OR131	5744892.21	2118083.25	2	0.7118
204043	WG153	5746381.48	2116262.65	0	0.7118
157017	OR134	5744901.24	2118400.47	2	0.7102
149010	OR126	5744830.89	2117589.68	2	0.7100
144102	OR121	5745069.72	2117169.16	2	0.7052
156035	OR133	5744898.51	2118233.56	2	0.7050
140019	OR117	5745236.74	2116782.36	2	0.7026
203030	WG152	5746290.60	2116263.71	0	0.7020
154184	OR131	5744897.77	2118079.94	2	0.6996
157033	OR134	5744915.05	2118359.34	2	0.6992
113045	OR090	5746251.88	2114740.87	0	0.6989
151110	OR128	5744832.61	2117765.37	0	0.6954
133093	OR110	5745615.61	2116255.30	0	0.6947
154158	OR131	5744919.15	2118109.74	2	0.6937
207013	WG156	5746652.53	2116312.50	2	0.6925
151090	OR128	5744828.04	2117837.82	0	0.6919
141065	OR118	5745212.30	2116918.03	2	0.6901
141126	OR118	5745213.16	2116949.50	0	0.6899
150034	OR127	5744818.15	2117728.76	0	0.6884
149006	OR126	5744824.75	2117566.18	0	0.6867
156052	OR133	5744888.31	2118231.84	2	0.6865
151049	OR128	5744804.04	2117759.38	0	0.6842
150069	OR127	5744811.96	2117711.69	2	0.6842
156175	OR133	5744876.44	2118311.07	2	0.6838
152035	OR129	5744843.98	2117860.97	2	0.6838
133122	OR110	5745566.39	2116320.31	2	0.6835
197047	WG146	5745738.30	2115942.51	0	0.6819
131011	OR108	5745620.38	2116093.57	2	0.6808

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Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
150046	OR127	5744796.05	2117687.82	0	0.6806
156105	OR133	5744893.04	2118266.84	2	0.6803
157110	OR134	5744892.88	2118330.19	2	0.6772
132075	OR109	5745608.25	2116232.60	0	0.6771
207018	WG156	5746656.82	2116286.73	2	0.6758
151091	OR128	5744814.77	2117797.47	0	0.6737
153068	OR130	5744882.54	2117952.70	0	0.6726
206017	WG155	5746530.66	2116309.28	2	0.6722
151047	OR128	5744852.11	2117824.36	2	0.6720
151123	OR128	5744828.35	2117809.28	2	0.6703
145051	OR122	5745038.72	2117277.09	2	0.6696
158063	OR135	5744879.94	2118449.74	0	0.6677
157099	OR134	5744897.54	2118402.80	0	0.6668
151104	OR128	5744811.82	2117801.39	2	0.6661
156219	OR133	5744887.46	2118267.42	2	0.6645
147053	OR124	5744914.53	2117428.96	2	0.6615
156086	OR133	5744890.26	2118241.47	2	0.6609
156020	OR133	5744882.38	2118255.95	2	0.6602
231041	WG180	5748463.57	2117675.13	2	0.6582
154043	OR131	5744911.27	2118117.58	2	0.6579
147075	OR124	5744968.13	2117413.56	2	0.6568
112029	OR089	5746287.01	2114708.96	0	0.6534
158120	OR135	5744905.81	2118477.96	0	0.6494
131064	OR108	5745630.38	2116108.48	0	0.6453
156095	OR133	5744900.60	2118258.37	2	0.6450
141136	OR118	5745235.87	2116870.32	2	0.6447
133052	OR110	5745600.58	2116239.55	2	0.6435
156113	OR133	5744905.93	2118273.52	0	0.6409
116050	OR093	5746072.35	2114968.71	2	0.6393
155026	OR132	5744878.94	2118190.62	2	0.6381
138066	OR115	5745250.31	2116580.00	0	0.6372
153131	OR130	5744880.13	2118003.23	0	0.6356
155013	OR132	5744885.92	2118207.62	2	0.6332
151138	OR128	5744837.57	2117761.20	0	0.6328
227003	WG176	5748352.28	2117263.32	2	0.6325
157181	OR134	5744918.50	2118338.31	2	0.6318
151115	OR128	5744840.73	2117747.06	0	0.6306
221016	WG170	5747892.54	2116974.65	2	0.6283
215029	WG164	5747429.38	2116639.51	0	0.6264
143082	OR120	5745121.09	2117094.21	2	0.6251
227002	WG176	5748341.04	2117300.83	2	0.6238
154053	OR131	5744894.56	2118120.29	2	0.6238
133007	OR110	5745598.32	2116276.02	2	0.6159
145088	OR122	5745039.40	2117227.09	2	0.6124
144119	OR121	5745092.03	2117204.63	0	0.6123
113043	OR090	5746262.58	2114745.65	0	0.6122
155028	OR132	5744874.52	2118216.59	2	0.6115
229027	WG178	5748421.84	2117531.03	2	0.6092
224032	WG173	5748156.33	2117073.97	0	0.6089
199022	WG148	5745895.17	2116072.43	2	0.6045
152070	OR129	5744877.06	2117882.74	2	0.6033
156049	OR133	5744898.52	2118289.84	2	0.6019
153124	OR130	5744922.24	2117944.09	2	0.6006
125009	OR102	5745721.88	2115556.16	2	0.6005
153147	OR130	5744901.28	2117987.67	2	0.5990
146128	OR123	5744986.91	2117311.83	2	0.5978
156121	OR133	5744911.09	2118313.21	2	0.5972
155162	OR132	5744910.79	2118219.52	2	0.5970
132046	OR109	5745639.59	2116169.01	2	0.5954
116056	OR093	5745983.94	2115003.25	0	0.5950
157148	OR134	5744888.73	2118353.10	0	0.5929
151168	OR128	5744829.19	2117769.29	2	0.5904
121043	OR098	5745628.60	2115170.67	0	0.5904
157174	OR134	5744892.87	2118402.54	2	0.5900

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158102	OR135	5744880.32	2118426.09	2	0.5894
202050	WG151	5746206.96	2116220.13	2	0.5888
155101	OR132	5744909.19	2118159.89	0	0.5871
141109	OR118	5745239.22	2116896.16	2	0.5865
157158	OR134	5744916.89	2118343.46	2	0.5849
229009	WG178	5748411.84	2117492.80	2	0.5842
144103	OR121	5745068.85	2117184.14	0	0.5833
222011	WG171	5748011.38	2117023.77	2	0.5825
120052	OR097	5745627.92	2115158.40	0	0.5819
120046	OR097	5745628.19	2115160.56	0	0.5797
151137	OR128	5744803.69	2117775.54	2	0.5797
156164	OR133	5744887.32	2118318.88	0	0.5795
154167	OR131	5744881.34	2118100.01	0	0.5790
152137	OR129	5744873.25	2117882.49	2	0.5789
198023	WG147	5745881.50	2116051.12	2	0.5783
158056	OR135	5744880.73	2118442.11	0	0.5771
205031	WG154	5746448.32	2116269.54	2	0.5760
120049	OR097	5745693.38	2115098.99	0	0.5755
125027	OR102	5745721.95	2115569.77	2	0.5686
137035	OR114	5745250.98	2116519.39	2	0.5615
152064	OR129	5744882.68	2117869.84	2	0.5606
203055	WG152	5746284.75	2116241.26	0	0.5604
155215	OR132	5744902.13	2118198.61	2	0.5598
227006	WG176	5748356.15	2117317.39	2	0.5577
221017	WG170	5747912.48	2116989.18	2	0.5566
218017	WG167	5747640.17	2116748.68	2	0.5544
156170	OR133	5744899.82	2118301.92	2	0.5542
118038	OR095	5745839.44	2115073.34	2	0.5538
158069	OR135	5744905.17	2118462.03	0	0.5527
144126	OR121	5745084.07	2117177.85	0	0.5443
203059	WG152	5746261.59	2116268.93	0	0.5425
121011	OR098	5745636.57	2115242.42	0	0.5410
141103	OR118	5745209.00	2116920.82	2	0.5323
210033	WG159	5746966.85	2116379.96	2	0.5282
145117	OR122	5745031.92	2117254.96	2	0.5241
152157	OR129	5744861.03	2117889.96	2	0.5240
116044	OR093	5745990.40	2115029.55	2	0.5218
154206	OR131	5744903.00	2118092.16	2	0.5187
149050	OR126	5744835.18	2117633.16	2	0.5168
218027	WG167	5747656.01	2116788.26	2	0.5158
205037	WG154	5746462.98	2116307.00	0	0.5128
223038	WG172	5748084.30	2117041.17	2	0.5104
148089	OR125	5744883.42	2117563.30	2	0.5050
152008	OR129	5744875.72	2117864.97	2	0.5038
157093	OR134	5744893.13	2118403.97	2	0.5038
224030	WG173	5748109.25	2117099.10	0	0.5035
203058	WG152	5746312.31	2116254.24	0	0.5000
214031	WG163	5747300.14	2116531.37	0	0.5000
222012	WG171	5748007.25	2117005.02	0	0.5000
223011	WG172	5748048.81	2117027.65	0	0.5000
223037	WG172	5748063.35	2117031.86	0	0.5000
127020	OR104	5745797.62	2115800.44	0	0.5000
131070	OR108	5745636.48	2116061.69	0	0.5000
133119	OR110	5745555.63	2116316.34	0	0.5000
134096	OR111	5745500.04	2116363.07	0	0.5000
148026	OR125	5744874.53	2117528.11	0	0.5000
148095	OR125	5744845.19	2117534.90	0	0.5000
149062	OR126	5744845.95	2117559.83	0	0.5000
149071	OR126	5744826.60	2117563.16	0	0.5000
150073	OR127	5744813.40	2117713.76	2	0.4951
151065	OR128	5744820.78	2117783.54	0	0.4919
139075	OR116	5745237.93	2116688.77	2	0.4916
147084	OR124	5744907.64	2117454.40	0	0.4873
148063	OR125	5744900.81	2117499.96	0	0.4860

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209040	WG158	5746846.71	2116354.62	2	0.4834
202057	WG151	5746178.78	2116235.94	0	0.4830
156026	OR133	5744892.62	2118314.90	2	0.4814
199039	WG148	5745877.05	2116079.98	2	0.4811
204032	WG153	5746364.03	2116291.90	2	0.4777
148076	OR125	5744866.15	2117531.09	0	0.4749
156218	OR133	5744888.43	2118282.92	2	0.4584
203038	WG152	5746299.40	2116250.24	2	0.4571
143103	OR120	5745117.55	2117105.30	2	0.4552
147087	OR124	5744929.84	2117434.57	2	0.4499
137031	OR114	5745298.65	2116479.20	2	0.4479
158042	OR135	5744893.59	2118435.86	0	0.4473
151120	OR128	5744851.53	2117775.48	2	0.4467
208027	WG157	5746787.27	2116330.21	2	0.4444
151032	OR128	5744803.23	2117755.22	0	0.4434
157079	OR134	5744900.63	2118375.82	2	0.4387
153059	OR130	5744881.90	2117934.26	2	0.4349
224019	WG173	5748180.55	2117101.42	2	0.4303
198053	WG147	5745870.44	2116027.89	2	0.4290
199048	WG148	5745909.38	2116061.98	2	0.4260
204040	WG153	5746389.73	2116288.31	0	0.4202
219022	WG168	5747724.09	2116854.53	2	0.4193
153115	OR130	5744920.02	2117947.49	2	0.4188
235011	WG184	5748501.63	2118113.57	2	0.4150
131056	OR108	5745659.97	2116077.84	0	0.4070
135007	OR112	5745483.42	2116431.31	2	0.4050
144125	OR121	5745081.75	2117182.69	0	0.4012
153074	OR130	5744918.11	2117986.75	2	0.3996
109100	OR086	5746518.57	2114456.05	0	0.3940
119031	OR096	5745715.92	2115122.13	0	0.3933
131068	OR108	5745629.50	2116088.62	0	0.3860
114067	OR091	5746189.86	2114827.30	0	0.3855
124007	OR101	5745689.20	2115475.71	2	0.3766
153140	OR130	5744906.68	2117975.93	2	0.3751
144037	OR121	5745059.70	2117197.95	0	0.3690
147072	OR124	5744914.34	2117432.22	0	0.3680
153137	OR130	5744920.15	2117999.93	2	0.3670
150071	OR127	5744828.93	2117723.20	0	0.3667
109126	OR086	5746527.42	2114492.62	0	0.3658
157154	OR134	5744893.38	2118416.59	0	0.3639
158028	OR135	5744888.95	2118498.88	0	0.3492
158118	OR135	5744891.67	2118465.64	0	0.3483
131027	OR108	5745655.65	2116089.41	0	0.3383
115054	OR092	5746095.83	2114912.72	0	0.3267
157127	OR134	5744875.90	2118358.64	0	0.3198
197054	WG146	5745715.92	2115966.76	0	0.3050
148046	OR125	5744885.91	2117536.50	0	0.3002
219035	WG168	5747723.67	2116851.76	0	0.2800
153158	OR130	5744913.75	2117934.51	2	0.2634
117028	OR094	5745926.77	2115027.52	0	0.2626
133091	OR110	5745541.26	2116310.77	0	0.2092
151152	OR128	5744837.93	2117740.56	0	0.2008
158090	OR135	5744908.13	2118454.48	0	0.1502
120044	OR097	5745637.98	2115118.98	0	0.0938
117036	OR094	5745946.94	2115023.42	0	0.0057
218028	WG167	5747650.88	2116798.70	0	0.0000
231038	WG180	5748468.13	2117700.74	0	0.0000
109128	OR086	5746503.16	2114514.94	0	0.0000
135057	OR112	5745473.49	2116438.26	0	0.0000
141064	OR118	5745229.99	2116937.61	0	0.0000
142084	OR119	5745199.94	2116973.69	0	0.0000
150067	OR127	5744833.80	2117737.18	0	0.0000
228018	WG177	5748364.24	2117402.78	0	0.0000
237029	WG186	5748630.82	2118294.30	0	0.0000

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109136	OR086	5746495.06	2114517.34	0	0.0000
109137	OR086	5746489.72	2114522.28	0	0.0000
109138	OR086	5746471.69	2114523.90	0	0.0000
109139	OR086	5746493.33	2114475.70	0	0.0000
109140	OR086	5746505.39	2114473.56	0	0.0000
109141	OR086	5746516.53	2114522.07	0	0.0000
109142	OR086	5746496.25	2114514.34	0	0.0000
110111	OR087	5746431.18	2114615.91	0	0.0000
110112	OR087	5746454.71	2114597.19	0	0.0000
110113	OR087	5746455.32	2114596.18	0	0.0000
110114	OR087	5746457.92	2114587.53	0	0.0000
110115	OR087	5746461.86	2114571.93	0	0.0000
110116	OR087	5746469.11	2114524.99	0	0.0000
110117	OR087	5746468.48	2114535.59	0	0.0000
110118	OR087	5746463.87	2114588.60	0	0.0000
111006	OR088	5746357.00	2114633.92	0	0.0000
111010	OR088	5746368.55	2114644.66	0	0.0000
111014	OR088	5746361.12	2114634.11	0	0.0000
111020	OR088	5746353.28	2114628.33	0	0.0000
111029	OR088	5746323.77	2114655.68	0	0.0000
111037	OR088	5746335.49	2114656.15	0	0.0000
111038	OR088	5746351.25	2114628.90	0	0.0000
111043	OR088	5746364.59	2114631.20	0	0.0000
111046	OR088	5746367.12	2114664.20	0	0.0000
111049	OR088	5746326.03	2114648.48	0	0.0000
111054	OR088	5746348.75	2114660.70	0	0.0000
111062	OR088	5746341.59	2114625.06	0	0.0000
111077	OR088	5746327.67	2114637.43	0	0.0000
117001	OR094	5745935.98	2115028.70	0	0.0000
117004	OR094	5745893.73	2115029.00	0	0.0000
117005	OR094	5745892.42	2115056.10	0	0.0000
117006	OR094	5745907.55	2115037.83	0	0.0000
117008	OR094	5745952.34	2115040.60	0	0.0000
117010	OR094	5745903.53	2115022.14	0	0.0000
117013	OR094	5745896.93	2115055.39	0	0.0000
117014	OR094	5745936.54	2115054.55	0	0.0000
117017	OR094	5745950.50	2115034.63	0	0.0000
117018	OR094	5745893.87	2115055.61	0	0.0000
117019	OR094	5745917.29	2115058.29	0	0.0000
117021	OR094	5745908.10	2115021.16	0	0.0000
117022	OR094	5745911.15	2115019.09	0	0.0000
117023	OR094	5745926.16	2115016.33	0	0.0000
117025	OR094	5745935.96	2115012.38	0	0.0000
117026	OR094	5745902.31	2115057.55	0	0.0000
117030	OR094	5745922.55	2115028.42	0	0.0000
117034	OR094	5745898.98	2115027.69	0	0.0000
117038	OR094	5745901.95	2115036.46	0	0.0000
117039	OR094	5745892.02	2115033.63	0	0.0000
117041	OR094	5745968.46	2115043.04	0	0.0000
117042	OR094	5745918.82	2115063.38	0	0.0000
117044	OR094	5745913.45	2115018.16	0	0.0000
117045	OR094	5745904.04	2115025.83	0	0.0000
117046	OR094	5745901.46	2115058.57	0	0.0000
118011	OR095	5745872.37	2115048.11	0	0.0000
118026	OR095	5745883.49	2115051.49	0	0.0000
118027	OR095	5745866.31	2115038.02	0	0.0000
118028	OR095	5745877.77	2115044.65	0	0.0000
118032	OR095	5745870.08	2115040.33	0	0.0000
139009	OR116	5745277.45	2116712.00	0	0.0000
139011	OR116	5745257.53	2116709.86	0	0.0000
139020	OR116	5745284.86	2116700.06	0	0.0000
139026	OR116	5745241.03	2116714.99	0	0.0000
139034	OR116	5745277.10	2116710.74	0	0.0000
139035	OR116	5745284.14	2116703.68	0	0.0000

Ranked Target List

Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
139039	OR116	5745284.50	2116708.77	0	0.0000
139052	OR116	5745236.75	2116715.32	0	0.0000
139054	OR116	5745270.72	2116710.65	0	0.0000
139077	OR116	5745252.32	2116710.57	0	0.0000
139081	OR116	5745236.66	2116703.19	0	0.0000
139086	OR116	5745238.30	2116702.80	0	0.0000
142010	OR119	5745158.18	2117018.58	0	0.0000
142022	OR119	5745176.91	2117009.43	0	0.0000
142025	OR119	5745194.57	2117033.90	0	0.0000
142035	OR119	5745159.78	2117017.34	0	0.0000
142037	OR119	5745157.58	2117020.75	0	0.0000
142040	OR119	5745166.97	2117013.16	0	0.0000
142042	OR119	5745164.53	2117023.84	0	0.0000
142047	OR119	5745166.04	2117015.43	0	0.0000
142048	OR119	5745172.19	2117032.42	0	0.0000
142052	OR119	5745151.56	2117025.75	0	0.0000
142056	OR119	5745157.02	2117018.35	0	0.0000
142058	OR119	5745165.78	2117027.48	0	0.0000
142062	OR119	5745160.70	2117030.03	0	0.0000
142066	OR119	5745176.48	2117019.28	0	0.0000
142070	OR119	5745190.70	2117041.98	0	0.0000
142077	OR119	5745201.09	2117018.23	0	0.0000
142078	OR119	5745165.22	2117012.91	0	0.0000
142082	OR119	5745174.48	2117014.50	0	0.0000
142083	OR119	5745162.77	2117023.42	0	0.0000
142085	OR119	5745203.14	2117033.51	0	0.0000
142087	OR119	5745191.69	2117040.81	0	0.0000
142096	OR119	5745197.30	2117031.73	0	0.0000
142103	OR119	5745168.66	2117012.58	0	0.0000
142106	OR119	5745164.78	2117019.97	0	0.0000
142109	OR119	5745159.86	2117018.79	0	0.0000
142110	OR119	5745171.94	2117011.08	0	0.0000
142112	OR119	5745176.24	2117011.89	0	0.0000
145124	OR122	5745016.20	2117260.17	0	0.0000
150093	OR127	5744779.45	2117694.85	0	0.0000
155005	OR132	5744878.30	2118145.09	0	0.0000
155024	OR132	5744899.01	2118145.41	0	0.0000
155031	OR132	5744880.90	2118140.48	0	0.0000
155036	OR132	5744875.53	2118164.35	0	0.0000
155038	OR132	5744880.15	2118154.36	0	0.0000
155043	OR132	5744880.41	2118151.66	0	0.0000
155044	OR132	5744899.97	2118143.84	0	0.0000
155045	OR132	5744880.08	2118139.14	0	0.0000
155049	OR132	5744897.39	2118141.26	0	0.0000
155055	OR132	5744875.97	2118161.70	0	0.0000
155056	OR132	5744877.43	2118159.92	0	0.0000
155064	OR132	5744876.88	2118146.16	0	0.0000
155068	OR132	5744887.07	2118147.01	0	0.0000
155080	OR132	5744878.37	2118157.44	0	0.0000
155095	OR132	5744890.46	2118144.85	0	0.0000
155098	OR132	5744879.98	2118136.27	0	0.0000
155106	OR132	5744896.75	2118142.46	0	0.0000
155112	OR132	5744882.72	2118150.75	0	0.0000
155119	OR132	5744895.51	2118143.52	0	0.0000
155134	OR132	5744903.96	2118142.57	0	0.0000
155160	OR132	5744878.85	2118154.05	0	0.0000
155165	OR132	5744893.35	2118147.66	0	0.0000
155176	OR132	5744881.95	2118135.04	0	0.0000
155180	OR132	5744883.80	2118147.54	0	0.0000
155233	OR132	5744876.82	2118165.34	0	0.0000
155234	OR132	5744875.30	2118167.75	0	0.0000
155236	OR132	5744894.57	2118157.70	0	0.0000
155237	OR132	5744894.82	2118155.72	0	0.0000
155238	OR132	5744901.10	2118156.77	0	0.0000

Ranked Target List

Flag ID	Grid ID	X[1]	Y[1]	Classification Category	Decision Statistic
155240	OR132	5744879.72	2118140.26	0	0.0000
155241	OR132	5744899.46	2118141.08	0	0.0000
156031	OR133	5744902.60	2118325.59	0	0.0000
156228	OR133	5744892.68	2118231.89	0	0.0000
157122	OR134	5744883.72	2118350.03	0	0.0000
158089	OR135	5744881.95	2118462.19	0	0.0000
158119	OR135	5744906.83	2118471.02	0	0.0000

[1] Coordinates reported in NAD83, California State Plane, Zone 4, U.S. survey feet

Appendix B Responses to Comments

RESPONSES TO COMMENTS

Document Title:	Draft Site Specific Work Plan, Fuel Breaks Supplemental Subsurface Munitions and Explosives of Concern Removal, Impact Area Munitions Response Area Former Fort Ord, California Orion Road and Watkins Gate Road, July 2023
Commenting Organization:	California Department of Toxic Substances Control (DTSC)
Commenter Name:	Brett Leary
Date of Comments:	August 29, 2023

COMMENT 1: Please move "Appendix A Ranked Target List" in the Table of Contents to after the "List of Figures".

RESPONSE TO COMMENT 1: Appendix A will be relocated after the "List of Figures" in the Table of Contents.

COMMENT 2: Section 1.2 – The description/structure is awkward: "Prior to May 2008 Signature of Track 3 ROD – May 2008 Signature of Track 3 Record ROD (Army, 2008) in May 2008". Please clarify.

RESPONSE TO COMMENT 2: Section 1.2 will be updated to the following text reflecting the description previously identified in *DRAFT FINAL Volume 1, Technical Information Paper Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (Administrative Record #: OE-0985B):
"Munitions responses conducted within the fuel breaks occurred in four separate efforts:

1. Prior to the May 2008 signature of the Track 3 ROD
2. 2008 (Track 3 ROD) – 2015 (Shaw Environmental and ITSI Gilbane prime contractors)
3. 2015 – 2019 (KEMRON prime contractor)
4. Supplemental MEC removal using AGC (2018-2020)"

COMMENT 3: Section 2.1 – spelling of gaps should be corrected "and anomaly investigations of DGM data daps (Table 2 and Figure 4)."

RESPONSE TO COMMENT 3: The spelling of "gaps" will be corrected in Section 2.1

COMMENT 4: Figure 5 is missing the legend. Please update the marker/color to reference the actual MEC found.

RESPONSE TO COMMENT 4: Figure 5 will be updated with detailed MEC information for the items found.

RESPONSES TO COMMENTS

Document Title:	Draft Site Specific Work Plan, Fuel Breaks Supplemental Subsurface Munitions and Explosives of Concern Removal, Impact Area Munitions Response Area Former Fort Ord, California Orion Road and Watkins Gate Road, July 2023
Commenting Organization:	United States Environmental Protection Agency Region IX
Commenter Name:	Maeve Clancy
Date of Comments:	August 28, 2023

GENERAL COMMENT 1: The use of the term munitions and explosives of concern (MEC) implies that only munitions that qualified personnel determine are MEC will be removed. In reality, Department of Defense (DoD) military munitions (munitions) that are encountered will be removed, evaluated and dispositioned properly regardless of whether or not they are determined to be MEC. Please revise the SSWP, as appropriate, to discuss munitions removal, rather than MEC removal.

RESPONSE TO GENERAL COMMENT 1: This comment is acknowledged. The selected remedy under the *Final Track 3 Record of Decision, Impact Area Munitions Response Area, Track 3 Munitions Response Site, Former Fort Ord, California* (Track 3 ROD) (Administrative Record # OE-0647) is Technology-Aided Surface MEC Remediation, With Subsurface MEC Remediation in Selected Areas and Land Use Controls. The site-specific work plan (SSWP) outlines the site-specific procedures for completing the supplemental subsurface removal in segments of Orion Road and Watkins Gate Road as part of the selected remedy. The objective is to remove explosive hazard (i.e., MEC). While many objects that would eventually be determined by appropriately-qualified personnel as non-hazardous are removed during the course of the remedial action, requiring their removal as part of the remedial action objective would unnecessarily expand the program from the selected remedy. Recovered objects are identified as MEC only after examination and determination by appropriately qualified personnel.

GENERAL COMMENT 2: The SSWP uses established and undefined terms (e.g., explosives and explosive weapons; MEC and MEC-like munitions, MEC/MPPEH) for munitions inconsistently. 10 U.S. C. Section 101. defines military munitions comprehensively and this statutory term should be used. The SSWP should only use MEC for recovered munitions (i.e., unexploded ordnance [UXO] or discarded military munitions [DMM]) that qualified personnel determined are MEC. The incorrect use of MEC implies that MEC is the state of every munition potentially present within the Impact Area MRA. Additionally, the use of the term "MEC/MPPEH" is redundant. DoD Instruction (DoDI) 4140.62, Material Potentially Presenting an Explosive Hazard (MPPEH) defines MPPEH. DoD Manual (DoDM) 4140.72, Management of Material Potentially Presenting an Explosive Hazard Department of Defense Manual 4140.72 provides a detailed breakdown of different material that may be considered MPPEH. For consistency with DoD policy, the SSWP

should be revised to use "munitions" rather than other terms. The exceptions are when munitions have been determined to be MEC, and when other material (e.g., range-related debris or munitions debris [MD]) is being managed and processed to determine its explosives safety status in accordance with DoDI 4140.62. It should be noted that during a munitions response, MPPEH determined to pose an explosive hazard is managed and destroyed as MEC. Please revise the SSWP to use established terms.

RESPONSE TO GENERAL COMMENT 2: This comment is acknowledged. The document outlines the site-specific procedures for completing supplemental subsurface removal in segments of Orion Road and Watkins Gate Road. Standard processes for the Track 3 Impact Area MRA remedial action program are described in supporting documents and are not repeated in the site-specific work plan. Supplemental subsurface MEC removal activities planned for the fuel break system will be conducted in accordance with the *Final Work Plan, Remedial Design/Remedial Action, Track 3 Impact Area Munitions Response Area, Former Fort Ord* (Track 3 RD/RA WP) (Administrative Record #: OE-0660K) and *Remedial Design (RD)/Remedial Action (RA) Work Plan Update, Track 3 Impact Area Munitions Response Area (MRA) Munitions and Explosives of Concern (MEC) Removal, Former Fort Ord, California* (Track 3 RD/RA WP Update) (Administrative Record #: OE-0929B).

The document will be reviewed for "MEC/MPPEH" references, and the term will be updated to MPPEH or other, as appropriate.

GENERAL COMMENT 3: The SSWP should consider whether 3Rs [Recognize, Retreat, Report] Explosives Safety Program (3Rs Program) education material (e.g., Wildland Firefighting Guide, Construction Guide) should be provided to organizations that provide fire-fighting services and to workers who support maintenance of firebreaks. Please revise the SSWP to include a 3Rs Program.

RESPONSE TO GENERAL COMMENT 3: Providing 3Rs information to local firefighting services is not in the scope of this work plan. As discussed during the Munitions Response Base Realignment and Closure (BRAC) Cleanup Team (BCT) meeting in July 2023, the Army BRAC Fort Ord Field Office regularly provides munitions safety information to local firefighting services.

SPECIFIC COMMENT 1: **Section 1.0, Introduction, Page 6:** The use of advanced geophysical classification (AGC) identifies anomalies that are most likely munitions (i.e., targets for investigation [TOI]). It does not differentiate munitions that may be determined to be MEC, from ones that will not be. Please revise the SSWP to refer to munitions removal, rather than MEC removal.

RESPONSE TO SPECIFIC COMMENT 1: The use of AGC is consistent with other Fort Ord documentation. Geophysical data are evaluated to identify anomalies potentially representing MEC items. Recovered objects are identified as MEC only after examination and determination by appropriately qualified personnel. No changes will be made based on this comment.

SPECIFIC COMMENT 2: **Section 1.3, Completed Supplemental Subsurface MEC Removal Activities, Page 9:** This section indicates that the "supplemental subsurface MEC removal objective" has been met, but the objective is not stated. The SSWP should describe the objective that has been met. Please revise the text to provide a detailed explanation of the objective.

RESPONSE TO SPECIFIC COMMENT 2: The SSWP will be updated to describe the supplemental subsurface MEC removal objective. As detailed in the *DRAFT FINAL Volume 2, Technical Information Paper Supplemental Subsurface MEC removal Fuel Breaks Impact Area Munitions Response Area Former Fort Ord, California* (Administrative Record #: OE-0985C), the objective is defined as addressing the possibility of MEC items remaining in portions of the Impact Area MRA fuel breaks where the following three conditions were met:

- Analog subsurface removal actions performed prior to the Track 3 ROD
- High pre-analog survey anomaly density
- Previously recovered 81mm mortar projectiles.

SPECIFIC COMMENT 3: **Section 2.2.2, Chemical Warfare Materiel Procedures, Page 13:** This section correctly indicates that CWM is not expected to be encountered as there are no records that CWM was ever used or stored at Fort Ord; however, the SSWP incorrectly refers to potential encounters with suspect CWM. Although Chemical Agent Identification Set (CAIS) kits were used at Fort Ord, procedures for the disposal of unused CAIS kits issued for training were to destroy (break, crush) the vials and bury the remains. As such, it is unlikely that intact CAIS kits would be encountered, but if encountered, the Army's Interim Guidance should be followed. Procedures for addressing munitions encountered that contain an unknown liquid fill are found in both DESR 6055.09 and as indicated, the Army's Interim Guidance for Chemical Warfare Material Responses and Related Activities. The referenced U.S. Army Corps of Engineers pamphlet is dated, and therefore, should not be used. It should be noted that Section 2.2.3 provides a more correct description of how munitions with an unknown liquid fill are managed. Please revise the SSWP to (a) refer to munitions with an unknown liquid fill, not suspect CWM; and (b) correct the reference to the governing policy.

RESPONSE TO SPECIFIC COMMENT 3: Section 2.2.2 references U.S. Army Corps of Engineers (USACE) Engineer Pamphlet 75-1-3 Recovered Chemical Warfare Material Response Process (USACE, 2004) and the Army's Interim Guidance, Chemical Warfare Materiel Responses and Related Activities, dated 1 April 2009. These guidance documents are still current.

For safety reasons, the UXO team treats each liquid-filled munition find as possibly containing CWM. Stokes mortar projectiles and Livens Projectors were previously encountered and removed from the western portions of the former Fort Ord Impact Area Although all previous such items were subsequently confirmed to contain screening smoke fillers, these items also have the potential

to be used for delivery of chemical warfare agent. Since the filler of these items cannot be confirmed visually, they are generally classified as munitions with unknown fillers. In an event a liquid-filled munition is encountered, active duty Explosive Ordnance Disposal personnel will be contacted to determine the filler of these items in accordance with standard operating procedures.

SPECIFIC COMMENT 4: **Section 2.2.3, Procedures When MPPEH Cannot be Readily Identified, Page 13:** DoDI 4140.62 and DoDM 4140.72 provide guidance for the management and processing of MPPEH, MDEH [Material Presenting an Explosive Hazard] and MDAS [Material Documented as Safe]. Whether material is MPPEH is a decision made in consideration of the possibility that munitions may be present (e.g., within packaging material) or material may pose an explosive hazard (e.g.,MD, production piping). Given the context, it appears this section is either addressing (a) an encounter with a munition that munitions response workers cannot identify and require technical assistance; or (b) recovered material considered MPPEH for which the explosives safety status cannot be documented as safe (MDAS). The text describes the procedure taken when a munition is encountered that response workers cannot identify. During a munitions response, when the explosives safety status of MPPEH cannot be positively documented as safe, such material is dispositioned as MEC. Please revise the section title and clarify the intent of the text.

RESPONSE TO SPECIFIC COMMENT 4: This comment is acknowledged. Usually, when a munition encountered in the field cannot be documented as safe (MDAS), the type or model can be positively identified or estimated with sufficient certainty that it can be subjected to a detonation procedures prior to final determination of its identity (e.g., practice or high explosive model of 81mm mortar projectile). The section describes the procedures when this identification cannot be made readily and technical assistance is required.

RESPONSE TO SPECIFIC COMMENT 5: **Section 2.3.3, Subsurface MEC Removal, Page 14:** This section's title implies that subsurface anomalies (TOI) are MEC, when in fact, anomalies may not be munitions, and if munitions, may not be MEC. As addressed in the general comments above, the terms MEC/MPPEH are misused. Additionally, in stating "The general type of MD items encountered," the use of the word "general" implies that MD, other than such that are solid metal fragments that do not realistically present an explosive hazard, are not evaluated to determine and document their explosives safety status. Please revise the SSWP to clarify terminology (e.g., munitions, not MEC/MPPEH), and to explain better the management of MD, in addition to the documentation of MD.

RESPONSE TO SPECIFIC COMMENT 5: The document will be reviewed for "MEC/MPPEH" references, and the term will be updated to MPPEH or other, as appropriate. Recovered objects will be examined by appropriately qualified personnel. Please also see response to Specific Comment 6.

SPECIFIC COMMENT 6: **Section 9.0, Quality Control and Quality Assurance, Page 17:** Prior to the detonation of MPPEH, the explosive hazard posed or potentially posed must be understood. Indicating that MPPEH was detonated indicates that the explosive hazard potentially posed was not determined. Under DoDI 4140.62, MPPEH is evaluated to determine its explosives safety status prior to its disposition. If an item is to be transferred within or released from DoD control, the explosives safety status must be documented as MEDH or MDAS. However, during a munitions response, MPPEH for which the explosives safety status would normally be documented as MDEH is destroyed on site as MEC. This is because such material is not transferred or released from DoD control. In addition, the text indicating MPPEH, MD and scrap segregation is confusing due to its redundancy. Please revise the SSWP to indicate that MPPEH that qualified personnel determine may pose an explosive hazard is destroyed on site as MEC, and refer to the management and processing of MPPEH, MDEH, and MDAS in a manner consistent with DoDI 4140.62 and DoDM 4140.72, and DoD explosives safety policies.

RESPONSE TO SPECIFIC COMMENT 6: Every MPPEH recovered during the course of work will be examined by appropriately qualified personnel. As described in UXO SOP 5 of the MEC QAPP (Administrative Record : OE-0884A), Section 7.4, all items recovered in the field are considered MPPEH prior to inspection; upon initial inspection by the UXO Team Leader (UXO Tech III), a determination is made, and the item is segregated into one of the following three categories: non-munitions, small arms ammunition, and MPPEH. MPPEH is subjected to further evaluation and, if determined to pose an explosive hazard, is subjected to detonation. The SUXOS and the Unexploded Ordnance Safety Officer (UXOSO) (with input from the USACE OESS) will agree on the positive identification of the item and the disposition of the item prior to implementing demolition operations.

RESPONSES TO COMMENTS

Document Title:	Draft Site Specific Work Plan, Fuel Breaks Supplemental Subsurface Munitions and Explosives of Concern Removal, Impact Area Munitions Response Area Former Fort Ord, California Orion Road and Watkins Gate Road, July 2023
Commenting Organization:	Fort Ord Community Advisory Group
Commenter Name:	Mike Weaver
Date of Comments:	August 28, 2023

COMMENT 1: "This Work Plan, and its associated safety issues, would be better for all concerned if it included a large copy of the map produced by;
Harding Lawson Associates
Engineering and Environmental Services
Page 2

The small print on this map is kind of hard to read but it is;

Product No. 23355 005/2
Produced for the Department of the Army 5/17/94

This map was sometimes included in early BRAC clean up documents as it portrays the entirety of Site #39, the numbered firing ranges, all firing toward the center, and labeled surrounding ranges/uses. Also shown are the interior roads, many now referred to as fuel breaks.

It is interesting that Barloy Canyon Road, closer to Laguna Seca, bisects the area labeled as NAVAL ROUND IMPACT AREA.

Please consider this a FOCAG Public Records Request for a legible map as described.

Please also consider including a legible map in a Draft Final of this document as the locational settings of ORION and WATKINS GATE roads will be easier to consider among the surroundings."

RESPONSE TO COMMENT 1: The document outlines the site-specific procedures for a MEC removal in the Impact Area Munitions Response Area (MRA) Fuel Breaks, specifically in segments of Orion Road and Watkins Gate Road. The fuel break system is based primarily on pre-existing Army fuel breaks designed to contain fires in the dense maritime chaparral caused by military training involving explosive weapons and ordnance. Adding more information about the historical range uses of the historical Impact Area will not change the planned work, therefore, it is not necessary to add the referenced maps to the site-specific work plan. It is believed that the map described in this letter is likely among those in the "Draft Final Data Summary and Work

Plan, Site 39-Inland Ranges, Fort Ord, California" dated 5/17/1994 (Administrative Record #: BW-0540). The oversized map is available in the pdf version that can be accessed on fortordcleanup.com. It is divided into two pages but is legible when zoomed in.