FORT ORD REUSE AUTHORITY

Technical Memorandum
Eucalyptus Road Phase II

Former Fort Ord
Monterey County, California

August 16, 2010

Table of Contents

Tables

Figures

Appendices

1. Introduction

The former Fort Ord is located adjacent to Monterey Bay in northwestern Monterey County, California (Figure 1). Since 1917, portions of the former Fort Ord were used by the United States Department of the Army (Army) for maneuvers, target ranges, and other purposes. Military munitions were fired into, fired upon, or used on the facility. As a result, a wide variety of conventional munitions and explosives of concern (MEC), consisting of unexploded ordnance (UXO) and discarded military munitions (DMM) items, and munitions debris (MD) have been encountered at the former Fort Ord.

This Technical Memorandum has been prepared in support of the proposed Eucalyptus Road Phase II work to be conducted by the Fort Ord Reuse Authority (FORA). The Eucalyptus Road Phase II includes the area for the proposed alignment of Eucalyptus Road, plus a 50-foot-wide work area on both sides of the new alignment of Eucalyptus Road for a total approximate width of 200 to 300 feet, hereafter referred to as "the proposed roadway extension" (Figure 2). This Technical Memorandum was prepared by ARCADIS and Weston Solutions, Inc. ("the ARCADIS Team") on behalf of FORA.

The proposed roadway extension lies within the boundaries of the Seaside Munitions Response Area (MRA) and the Phase II portion of the Parker Flats MRA (Figure 2), which were transferred to FORA under the Finding of Suitability for Early Transfer (FOSET), Former Fort Ord, Environmental Services Cooperative Agreement (ESCA) Parcels and Non-ESCA Parcels (Operable Unit Carbon Tetrachloride Plume; FOSET 5; Army 2007). A portion of the proposed roadway extension lies within property that is still owned by the Army (Figure 2). Previous sampling, investigation, and removal actions have been conducted over the majority of the proposed roadway extension and the results were presented in After-Action Reports and Technical Information Papers prepared by the Army or the Environmental Services Cooperative Agreement Remediation Program (ESCA RP) Team. One portion of the proposed roadway extension is located within the Parker Flats Phase II Munitions Response Area (MRA), which is currently being investigated by the ESCA RP Team on behalf of FORA as part of the Group 1 Remedial Investigation/Feasibility Study (RI/FS) Work Plan ("the Group 1 RI/FS Work Plan"; ESCA RP Team 2008c).

The purpose of this Technical Memorandum is to summarize the results of the previous sampling, investigation and removal actions conducted within the proposed roadway extension, as well as to present the results of the ESCA RP Team's investigation of the portion of the proposed roadway extension that is located within the

Parker Flats Phase II MRA. This Technical Memorandum will be used to support a determination that the proposed roadway extension area is acceptable for the intended future use and that FORA may begin construction activities related to the proposed roadway extension.

This Technical Memorandum presents a brief summary of the results for the portion of the ESCA RP Team's investigation in MRS-44EDC conducted within the limits of the proposed roadway extension. More detailed results of this portion of the investigation, as well as the results of the investigation currently being conducted in the remainder of the Parker Flats Phase II MRA will be incorporated into the Group 1 RI/FS report to support a final remedial decision for the Parker Flats Phase II MRA.

1.1 Site Description

Eucalyptus Road is a paved road that runs through the approximate center of the former Fort Ord. Eucalyptus Road intersects with General Jim Moore Boulevard and runs northeast along the perimeter of the Seaside MRA and through the Parker Flats MRA (Figures 1 and 2). Eucalyptus Road then takes a sharp turn at the intersection with Parker Flats Cutoff Road and heads southeast along the northern perimeter of the former Impact Area (Figure 2). In 2009, FORA began construction activities related to the realignment of General Jim Moore Boulevard and Eucalyptus Road. As part of these activities, the pavement from the southern portion of Eucalyptus Road (at the intersection with General Jim Moore Boulevard) to an area approximately 4,360 linear feet (LF) to the northeast (referred to as station 53+00) was removed and the area re-graded in preparation for the new Eucalyptus roadway alignment. The proposed roadway extension work area that is the subject of this Technical Memorandum extends from station 53+00 a distance of approximately 3,200 LF to Station 85+00, approximately 300 LF before the intersection of Eucalyptus Road and Parker Flats Cutoff Road. The proposed roadway extension includes the existing Eucalyptus Road alignment plus an additional work area on either side of the road (Figure 2).

The proposed roadway extension lies within the boundaries of the Seaside MRA and the Phase II portion of the Parker Flats MRA (Figure 2), which were transferred to FORA under the FOSET 5 (Army 2007). A portion of the proposed roadway extension lies within property that is still owned by the Army (Figure 2). Portions of the following Munitions Response Sites (MRSs) are located within the boundaries of the proposed roadway extension (Figure 2):

- MRS-15MOCO.02 located in the Parker Flats Phase II MRA;

- MRS-44PBC and MRS-44EDC located in the Parker Flats Phase II MRA;
- MRS-15SEA.04 located in the Seaside MRA; and
- MRS-24A located on Army property.

The proposed roadway extension encompasses approximately 16.5 acres and contains all or a portion of United States Army Corps of Engineers (USACE) property transfer parcels L20.18, E20c.1, E20c.2, and E23.2 (Figure 3). The proposed roadway extension is located within the jurisdictional boundaries of the City of Seaside and the County of Monterey.

1.2 Site History and Development

As part of this Technical Memorandum, the ESCA RP Team conducted a review of historical aerial photographs and maps of the former Fort Ord. The first available map reviewed by the ESCA RP Team was a historical topographic map from 1934. Eucalyptus Road is shown on the 1934 map as a winding road extending from an area identified as “Grove Gate” (near the present-day intersection of General Jim Moore Boulevard and Eucalyptus Road) towards the intersection with Parker Flats Cutoff Road. No indications of training activities that may have occurred in the vicinity of the proposed roadway extension were found on the 1934 map.

Based upon a 1941 aerial photograph, it appears that by 1941 Eucalyptus Road was a wide roadway and followed the same general alignment as the present-day road. It does not appear in the aerial photograph that the roadway was paved in 1941. A review of subsequent aerial photographs and training maps indicates that the Eucalyptus Road alignment has stayed generally the same as its present-day alignment. It appears from the aerial photograph review that the road has been paved since at least 1956.

Historical training maps indicate that Eucalyptus Road runs along the northern perimeter of the former Impact Area. Firing ranges established within the Impact Area (Figure 1) were used for live fire exercises using a variety of military weapons. In general, the firing points for the ranges were established around the perimeter and the direction of fire was toward the center of the Impact Area (Army 2007). Historical training maps indicate that the firing points for Ranges 44, 45, 46, and 48 were located south of Eucalyptus Road in the vicinity of the proposed roadway extension.

As stated in Section 1.1, a portion of five MRSs were identified within the boundaries of the proposed roadway extension. The historical uses of the MRSs are identified as follows:

MRS-15MOCO.2: The boundary of MRS-15MOCO.2 was created for the purposes of property transfer. The MRS falls within the boundaries of the larger site OE-15, which was included in the Army's 1993 Archives Search Report (ASR; USACE 1993). For reporting purposes, OE-15 was later subdivided into OE-15A through D in the 1997 Revised ASR (USACE 1997). MRS-15MOCO.2 is within OE-15B, which is defined as the outer boundary of the Impact Area behind the firing points of ranges and the areas between the ranges in the safety buffer zones and OE-15C, which is defined as the areas downrange of firing points, but outside of high-density munitions areas. MRS-15MOCO.2 contains the firing lines for an antitank weapons range (Range 44) and a 40 millimeter (mm) grenade range (Range 45; Army 2007).

MRS-44PBC and MRS-44EDC: Both MRSs make up the larger area formerly known as OE-44. According to the 1997 Revised ASR, OE-44 was identified when a 37mm high explosive (HE) fragmentation hand grenade and a 37mm rotating band were discovered during a site walk in June 1996 (USACE 1997). MRS-44 was subdivided into MRS-44PBC and MRS-44EDC to facilitate the transfer of the property.

MRS-15SEA.4: Included in the 1993 ASR as part of the larger OE-15 (the Impact Area). For reporting purposes, OE-15 was later subdivided into OE-15A through D in the 1997 Revised ASR. MRS-15SEA.4 is within OE-15A, which is defined as the small arms ranges, OE-15B, and OE-15C. MRS-15SEA.4 included the firing points and some of the targets associated with two small arms ranges (Ranges 18 and 46), and the firing points for a mortar and antitank weapons range (Range 48; Army 2007). Only Range 46 is located in the vicinity of the proposed roadway alignment.

MRS-24A (formerly OE-24A): Included as part of the larger OE-24 in the 1993 ASR. OE-24 was later subdivided into OE-24A through E in the 1997 Revised ASR. The 1997 Revised ASR identified OE-24A as a practice rifle grenade range and recommended further investigation and random sampling in this MRS.

2. History of Munitions Response Investigations

The following sections present a summary of Fort Ord munitions response-related investigations and removal actions conducted within the boundaries (or in the vicinity of) the proposed roadway extension. Table 1 summarizes the MEC items and Table 2

summarizes the MD items found within the boundary of the proposed roadway extension. Figure 4 shows the location of MEC and MD items found within the proposed roadway extension boundaries.

MRS-15SEA.4

- MEC Sampling in Small Arms Ranges (OE-15A Grid Sampling) – from October to November 1997, the Army conducted MEC sampling with the objective of determining the necessity and scope of future MEC removal actions in OE-15A (USA 2000a). Three of the sample grids were located in Range 46. No MEC were found in the three grids located in Range 46. MD items found in Range 46 included expended 40mm practice grenades and expended 3.5-inch practice rockets on the surface, and four large burial pits containing a total of 86 expended 3.5-inch practice rockets. None of these items were found within the boundaries of the proposed roadway extension.

- MEC Sampling (OE-15B Grid Sampling) – from October 1997 to February 1998, the Army conducted MEC sampling in OE-15B (USA 2000b). Eight of the sample grids were located on MRS-15SEA.4. No MEC items were found within the boundaries of the proposed roadway extension.

- Impact Area Grid Sampling – from March to August 1999, the Army conducted MEC sampling in 212 grids at the former Fort Ord (USA 2001b). A total of 35 of these grids were located in MRS15-SEA.4. MEC items encountered within MRS15.SEA.4 during the sampling included (but were not limited to) practice grenades, smoke grenades, rifle grenades, 57mm projectiles, a 60mm mortar, and a 75mm projectile. The majority of the MD items encountered included (but were not limited to) expended practice grenades, expended fuzes, and expended 3.5-inch practice rockets. None of these items was found within the boundaries of the proposed roadway extension.

- Range 46 Lead-Contaminated Soil Remediation – from April to August 1999, the Army conducted a removal action to a depth of 4 feet in 23 grids located within Range 46 on MRS15-SEA.4. This work was conducted to support efforts to remediate spent small arms ammunition and lead-contaminated soil around the range's firing line. No MEC items were encountered during this work (USA 2001a).

- MEC Removal - Fuel Break – in 1998, the Army conducted a 4-foot removal action in the fuel breaks located in and around the former Impact Area (USA 2001d). A

portion of the removal action was conducted along Eucalyptus Road within the boundaries of the proposed roadway extension. No MEC items were found within the boundaries of the proposed roadway extension.

- Time-Critical Removal Action (TCRA) Surface MEC Removal – from December 2001 to March 2002, the Army conducted a TCRA to address surface MEC on MRS15-SEA.1 through MRS15-SEA.4 (Parsons 2006a). The MEC items encountered on the surface of MRS15-SEA.4 included (but were not limited to) practice hand grenades, 57mm projectiles, a 40mm projectile, and a practice rocket. None of the MEC items was located within the boundaries of the proposed roadway extension.

- Non-Time Critical Removal Action (NTCRA) and Phase I Geophysical Operations – from March 2002 to March 2004, the Army conducted a removal action to a depth of 4 feet on MRS15-SEA.1 through MRS15-SEA.4 (Parsons 2006a). The majority of the MEC and MD items removed from MRS15-SEA.4 included (but were not limited to) practice hand grenades, practice 35mm rockets, and 57mm projectiles. The MEC items located within the boundaries of the proposed roadway extension included 57mm projectiles, smoke grenades, and trip flares.

- Phase II Seaside MRA Removal Action in the Roadway and Utility Corridor – FORA completed the Army's removal actions in special case areas (SCAs) located on the Seaside MRA in 2008 (ESCA RP Team 2008b). As part of this work, the ESCA RP Team cleared and grubbed the roadway alignment including the portion of the proposed roadway extension that extends from Station 53+00 to the Seaside MRA/Parker Flats MRA boundary. No MEC items were recovered in MRS15-SEA.4 during the roadway clearing and grubbing activities. The ESCA RP Team also sifted soil removed from the SCAs in MRS15-SEA.4. MEC and MD items recovered from MRS15-SEA.4 during the sifting operations included (but were not limited to) 57mm projectiles, practice 35mm rockets, and practice 40mm. The soil from SCAs located inside the roadway was not segregated from soil from SCAs located outside the roadway (ESCA RP Team 2008b).

MRS-44 EDC and MRS-44PBC

- Site Stats/Grid Stats (SS/GS) Sampling in MRS-44EDC – from May 26 to July 13, 1998, the Army conducted SS/GS sampling in twelve 100-foot by 200-foot grids located in MRS-44EDC (USA 2001c). One MEC (MKI illumination hand grenade) and numerous MD items were recovered from four of the 12 sampling grids;

however, none of these grids was located within boundaries of the proposed roadway extension.

- Grid Sampling Operations in MRS-44EDC and MRS-44PBC – in 1999, the Army conducted grid sampling in 22 100-foot by 100-foot grids in MRS-44EDC and 13 100-foot by 100-foot grids located in MRS-44PBC (USA 2001c). MEC and MD items recovered from MRS-44PBC during the sampling included (but were not limited to) a 40mm projectile, smoke grenades, and MKI illumination grenades. The MEC and MD items recovered from MRS-44EDC included (but were not limited to) grenade fuzes and M82 percussion primers. Two MEC items (a 40mm projectile and a hand grenade fuze) were recovered from within the proposed roadway extension limits.

- Removal Action in MRS-44PBC – from September 1998 to December 2000, the Army conducted a removal action to a depth of 4 feet in 83 complete and partial grids located in MRS-44PBC (USA 2001c). MEC and MD removed from MRS-44PBC within the boundaries of the proposed roadway extension included (but were not limited to) smoke grenades, illumination hand grenades, expended fuzes, expended 37mm projectiles, expended 60mm mortars, expended 75mm projectiles, expended 81mm mortars, and expended illumination signals.

MRS-15MOCO.2

- Grid Sampling Operations – from March to August 1999, the Army conducted sampling in 26 100-foot by 100-foot grids located in MRS15-MOCO.2 (USA 2001b). No MEC items were recovered from within the boundaries of the proposed roadway extension during the grid sampling operations.

- TCRA Surface MEC Removal at Ranges 43-48 – from August to December 2001, the Army conducted a TCRA to address surface MEC on Ranges 43-48, which included MRS-15MOCO.2 (Parsons 2002). The majority of the MEC and MD items removed were located within the adjacent Interim Action Ranges MRA. One MEC item (a 40mm practice cartridge) was found within the boundary of the proposed roadway extension (Parsons 2002).

- NTCRA Phase I – from July to November 2003, the Army conducted a NTCRA, which included an analog removal to the depth of detection at 98 100-foot by 100-foot complete grids and 97 partial grids and digital geophysical surveys in accessible portions of Notice of Intent areas and identified SCAs (Parsons 2004).

The majority of the MEC and MD items were encountered in the central portion of MRS-15MOCO.2, to the southeast of the proposed roadway extension. One MEC item (M205 practice hand grenade fuze) was recovered within the proposed roadway extension boundaries. MD items recovered within the proposed roadway extension boundaries included one expended practice grenade.

- MRS Ranges 43-48 and MRS-MOCO.2 – Removal of selected range-related debris (RRD) was conducted between October and December 2004 to facilitate ongoing or future munitions responses on portions of the site made inaccessible by RRD. No MEC were found in MRS-MOCO.2 as part of this work (Parsons 2005).

- NTCRA Phase II – from January to December 2005, the Army conducted analog removal, digital geophysical mapping, and MEC removal to the depth of detection in the MRS-MOCO.2 Phase II area (Parsons 2006b). As part of this removal action, the fence along MRS-15MOCO.2 and Eucalyptus Road was removed and the area around the fence was cleared of MEC. The fence was re-installed following the completion of the MEC removal activities in this area. One MEC item (a simulator) was found within the boundaries of the roadway. The MD items found within the vicinity of the proposed roadway extension included an unknown fragment and an expended 37mm projectile.

MRS-24A

- Grid Sampling – in 1996 and 1997, the Army conducted sampling at MRS-24A. The sampling consisted of an investigation of nine 100-foot by 100-foot grids and a partial investigation of 10 additional 100-foot by 100-foot grids (USA 2000c). None of the grids was located within the boundary of the proposed roadway extension.

- Site Reconnaissance – between February 23 and March 5, 2003, the Army conducted a reconnaissance survey of what was then referred to as the First Tee Site. One MEC item (a 57mm HE projectile) was found in Parcel E20c.1 to the east of MRS-24A. Munitions debris found included fragments from HE hand grenades and antitank rifle grenades, hand grenade safety levers, an inert 2.36-inch practice rocket, a 60mm projectile mortar fin, pieces from 3.5-inch practice rockets, and fragmentation from light and heavy case munitions. No MEC or MD items were found within the proposed roadway extension.

- Grid Sampling – from December 2003 to January 2004, the Army conducted MEC sampling within what was then known as the First Tee Site. No MEC items were

encountered, but significant amounts of MKII hand grenade fragments were encountered (Army 2007). These areas were located outside of the proposed roadway extension boundaries. No MEC or MD items were found within the proposed roadway extension.

Army Property (no MRS)

- Phase II Seaside MRA Removal Action in the Roadway and Utility Corridor – in 2008, FORA completed the Army's removal actions in SCAs located on the Seaside MRA. Included as part of this work, the ESCA RP Team cleared and grubbed the roadway alignment including the portion of the proposed roadway extension that lies north of the Seaside MRA boundary line (within the Army's parcel E20c.1 and including a small portion of MRS-24A). The results were presented in the Final Technical Information Paper, Phase II Seaside Munitions Response Area Roadway Alignment and Utility Corridor (ESCA RP Team 2008b). One MEC item (a 57mm projectile) was found during the ESCA RP Team's work on the boundary of the proposed roadway extension, although the item was found outside of the MRS-24A boundary.

3. ESCA RP Team Investigation

The majority of the proposed roadway extension area has been intrusively investigated during previous sampling and removal operations conducted by the Army or the ESCA RP Team. A small portion of the proposed roadway extension is located in MRS-44EDC in the Parker Flats MRA Phase II area. The Parker Flats MRA Phase II area is currently being investigated by the ESCA RP Team as part of the Group 1 RI/FS Work Plan. As part of the Group 1 RI/FS Work Plan investigation, the ESCA RP Team performed a digital geophysical mapping (DGM) survey of a portion of MRS-44EDC referred to as "Work Area III" (Figure 5). The following sections describe the work that the ESCA RP Team has completed in Work Area III with a focus on the items found within the proposed roadway extension.

3.1 Site Preparation Activities

Site preparation activities consisted of brush cutting and removal and limbing of trees within Work Area III. The ESCA RP Team's subcontractor, Pacific Firewood and Lumber Inc. of Watsonville, California cut and removed the vegetation and limbed the tree branches to a height of approximately 5 feet. In accordance with the Group 1 RI/FS Work Plan, trees with a diameter greater than 6 inches at breast height were not

removed as part of the brush cutting and removal operations. No trees are located within the proposed roadway extension.

3.2 Geophysical Detection Equipment

The Geonics, Ltd., EM61-MK2 high-sensitivity ferrous and nonferrous electromagnetic metal detector was selected as the geophysical sensor to be used in Work Area III. The EM61-MK2 is battery-powered and operates at a maximum output of 10,000 millivolts (mV). When conductive objects are present below the instrument, the amplitude and decay time of the induced eddy currents vary in response to the size, mass, and orientation of the objects.

QC function checks were performed following the instrument-operating manuals and standard industry practices. The EM61-MK2 sensors on the FORA ESCA Sled were set to record and store data in a field laptop computer at 10 readings per second (10 Hertz). The system logging software cannot null the EM61-MK2 sensors; therefore, the values provided for the QC function checks are presented as raw data for the FORA ESCA Sled.

A Trimble Real-Time Kinematic (RTK) global positioning system (GPS) was utilized to position the data collected during the EM61-MK2 surveys to centimeter accuracy. The GPS antenna was mounted over the center of the FORA ESCA Sled sensors and connected to the logging device. This receiver captures real-time differential corrections from a fixed local base station and outputs a National Marine Electronics Association GPS Fixed Data message directly into the data logger at 1-second intervals.

3.3 Geophysical Test Plot

The modified FORA ESCA Sled instrumentation and the data collection processes were demonstrated to the United States Environmental Protection Agency and the Department of Toxic Substances Control by the ESCA RP Team on January 15, 2009 in support of the Residential Quality Assurance (RQA) Pilot Study activities being conducted by the ESCA RP Team. The demonstration was conducted at a pre-established geophysical test plot (GTP) located in the northern portion of MRS-15SEA.2 within the Seaside MRA (outside of proposed roadway extension) and was identified as Test Plot 1. The GTP location, Test Plot 1, was originally described in the Final Geophysical Test Plot Report, dated June 5, 2008 (ESCA RP Team 2008a). The FORA ESCA Sled was evaluated at Test Plot 1 to facilitate comparison between the

original wheeled cart configuration and the FORA ESCA Sled prior to initiation of the RQA Pilot Study DGM surveys.

3.4 Digital Geophysical Data Mapping Surveys

The DGM surveys and anomaly investigations in Work Area III were conducted in accordance with the procedures described in the Group 1 RI/FS Work Plan. The Data-Quality Objectives (DQOs) for the DGM survey included the following:

- Mean Acquisition Speed – established that the average speed calculated for each dataset collected would be less than 3 miles per hour.

- Along-Track Measurements – established that the average distance between data points in each dataset would be less than 0.5 foot.

- Across-Track Measurements – established that the DGM survey lanes would not exceed 3 feet; furthermore, the DGM surveys would be conducted such that 95% of the data from a grid would not exceed a lane spacing of 2.5 feet and no more than 5% of the data from a grid would have a lane spacing between 2.5 and 3.0 feet.

- MEC Detection – metric for MEC detection was a 37mm projectile buried to a depth of 18 inches below ground surface.

3.4.1 DGM Data Processing and Target Anomaly Selection

The data processing procedures as established in the Group 1 RI/FS Work Plan (ESCA RP Team 2008c) were used to generate target anomaly databases. The raw EM61-MK2 field data were processed using MagMap2000 software. Data were then exported in Geosoft XYZ file format for post-processing. Raw XYZ files were imported into Geosoft Oasis Montaj™ processing software. Data were checked for navigational accuracy, line distribution, and coverage. Latency values obtained during the pre- and post-survey QC tests were applied to the data, correcting for any temporal lags or chevrons observed in the data. A Geosoft script was run to automatically progress through the processing steps for each of the four individual data channels. The script was used to drift-correct the data using a common filtering technique. A median correction filter was used to remove any drift associated with each data channel occurring throughout the survey period. Velocity and sample separation were calculated for each dataset and were recorded in Processing Notes. After each of the

four time-gate data channels were processed and evaluated, the channels were summed into a single “stack” channel.

Separate contour plots for the EM61-MK2 (channels 1 through 4) were then generated using Oasis Montaj contour plotting software to resample the target locations for each data channel 1 through 4 (Appendix A). These contour plots were used to identify and locate target anomalies requiring further investigation. The targets were selected for the gridded data by running the Blakely Peak algorithm in Geosoft. A minimum picking threshold for target anomalies was 20 mV (summed channels).

Coordinate positions for each of the identified target anomalies were compiled into target dig lists (Appendix B). The target dig lists were provided to the UXO Dig Teams for reacquisition and excavation. The composite dig lists (also known as “dig sheets”) included the unique anomaly identifier, position, anomaly characteristics, and dig information for each selected and investigated target.

3.4.2 Anomaly Reacquisition

Anomaly reacquisition in Work Area III occurred from December 2009 to March 2010. Target reacquisition teams reacquired the target anomalies based on information provided on the dig sheets. Target anomaly reacquisition was performed utilizing the Trimble RTK GPS for navigation to the precise coordinate location for each target anomaly, and the location was flagged with a nonmetallic pin flag bearing the unique target identifier.

3.4.3 DGM Target Intrusive Investigation

DGM target intrusive investigations in Work Area III occurred from December 2009 to March 2010. The flagged target anomaly locations were investigated by UXO Dig Teams using handheld analog instruments (Schonstedt® GA-52/Cx handheld magnetometer and Whites XLT® E Series handheld all-metals detector) within a 3-foot radius around the flag. The UXO Dig Teams noted any offset from the flag to the excavated anomaly source(s) and logged the information accordingly.

UXO Dig Teams consisting of UXO Technicians and equipment operators performed excavations at the target anomaly locations identified during the DGM survey. The target anomaly excavations were generally performed with hand tools, such as shovels. Those items considered too large or deep to be excavated by hand tools were investigated using heavy equipment, such as a mini-excavator.

The UXO Dig Teams identified the source of the anomaly and utilized the personal digital assistant (PDA) based UXOFast[SM] data logging system to electronically log the target anomaly characteristics in the field on a real-time basis. Target anomaly characteristics logged included, but were not limited to: item category (e.g., UXO, DMM, MD, cultural debris, QC item, no contact); item description (e.g., concrete, practice grenade); estimated weight of item; estimated depth of item; and confirmation of hole cleared. At the end of each day, the data were uploaded from the PDAs to the UXOFast database.

3.4.3.1 DGM Investigation of the Soil Berm

A soil berm was located within the proposed roadway extension. The berm was created during the ESCA RP Team's work conducted within the roadway alignment on the Seaside MRA. As part of the DGM investigation of Work Area III, the ESCA RP Team conducted a DGM survey over the berm and intrusively investigated the target anomalies identified. Following the initial investigation of the anomalies on the berm, the area to the south of the berm underwent an additional DGM survey in preparation for the berm soil to be distributed over the area. Once the pre-soil move investigation was complete, the berm soil was spread out in an approximately 6-inch lift, and a third DGM survey of the former berm and soil deposition areas was conducted.

3.4.4 Investigation Results

The anomaly selection process conducted as part of the DGM resulted in a total of 5,530 target anomalies requiring investigation in Work Area III. Of the 5,530 target anomalies, 475 were located in the proposed roadway extension. The geophysicist selected target anomaly coordinates and imported the coordinates into the project database. Color contour maps showing the processed digital geophysical data collected from Work Area III are included in Appendix A. No MEC items were encountered during the ESCA RP Team's anomaly investigations within the proposed roadway extension. A total of approximately 6.7 lbs of MD were removed. Table 3 summarizes the different types of MD encountered during DGM anomaly excavations. Figure 6 shows the location of the MEC and MD items removed during the investigation within the proposed roadway extension boundary.

3.5 Quality Assurance/Quality Control

QC activities conducted during the DGM surveys included equipment function tests, QC seeding, and QC of anomaly excavations. Because the DGM survey of the

proposed roadway extension was done as a part of the DGM survey of the larger Work Area III, the quality assurance/quality control (QA/QC) section presents the results of the QA/QC done on the entire dataset.

3.5.1 DGM Instrument Function Testing

QC function checks were performed following the instrument operating manual and standard industry practices in accordance with the Group 1 RI/FS Work Plan. Static background, static spike, and vibration/cable connection tests were performed daily before and after surveying to determine whether the equipment was functioning properly throughout the day.

3.5.2 QC Seeding for Geophysical Operations

QC seed items were used in the field during geophysical operations. Known QC seed items were used to quantify the positional accuracy of each dataset. The geophysicists were aware of the location of the known QC seed items throughout the DGM survey and data processing activities. In addition, blind QC items were placed in various locations where geophysical operations occurred. The locations of the blind seed items were not known to the geophysicists during the DGM survey or data processing activities.

3.5.2.1 Corner Spikes

Corner spikes were placed during site preparation activities to provide known geospatial calibration points when detected during DGM surveys. Corner spikes consisted of 8-inch galvanized nails driven vertically into the ground at most of the pre-established grid nodes. Each corner spike location was installed and located using RTK GPS. The geophysicists were aware of the corner spike locations during data processing activities. The digital anomaly response from each corner spike was identified during data processing and analysis. Each corner spike was reviewed to quantify positional accuracy by measuring its generated anomaly target location to the actual geo-referenced location of the 8-inch spike recorded during the corner spike installation survey. The measured offset was logged for each dataset in the geophysical processing form spreadsheet. In accordance with the positioning delta DQO established in the Group 1 RI/FS Work Plan, the offset of the anomaly target location should not be greater than 2 feet from the recorded position. The 138 corner spikes placed in Work Area III were excavated and recovered within the DQO metric of 2 feet from their original surveyed locations.

3.5.2.2 Blind Seed Items

Following the completion of site preparation activities and prior to beginning the DGM survey, blind seeds were buried within Work Area III. A total of 33 blind seeds were placed by QC personnel in Work Area III, although none of the blind seeds were located within the boundaries of the proposed roadway extension. Blind seed items were used to ensure the investigation was meeting the DQOs and to measure instrument detection capability. The positional delta DQO of an offset no greater than 2 feet applied to the blind seed items. To measure the instrument detection capability, a probability of detection DQO of 100% was used, meaning the goal was to detect 100% of the blind seed items that were buried by the QC and QA personnel. A total of 33 blind seeds were placed by QC personnel. During the DGM survey of Work Area III, 32 seeds were recovered. In accordance with the Group 1 RI/FS Work Plan, a Nonconformance Report for the missed QC seed was conducted by the ESCA RP Team (Appendix C).

3.5.3 QC of DGM Data and Deliverables

QC of geophysical data and data deliverables was performed by the ESCA RP Team and included checks and reviews of the field forms and digital data.

3.5.4 Geophysical QC Surveys

After completion of the initial geophysical survey, reacquisition, and excavation of anomalies, geophysical QC surveys were conducted. These surveys consisted of:

- *QC-1:* Verification of anomaly removal at each anomaly selected for excavation.
- *QC-2:* Digital resurveying of an area greater than or equal to 16% of the DGM investigation areas.
- *QC-3:* Analog resurveying of at least 10% of each 100-foot by 100-foot grid.

3.5.4.1 QC-1

Following the excavation of the anomalies by the intrusive team, the geophysical QC team checked each of the excavations to ensure that the source(s) of the anomalies were satisfactorily removed. The area within at least a 3-foot radius of each excavated anomaly was inspected, and the maximum amplitude response in the area was

recorded and checked against the original anomaly amplitude. If it was determined that the source of the digital anomaly had not been removed, the intrusive operation at that location would have been considered as “failed” and the location would be reinvestigated by the intrusive team.

Following the initial excavation, the QC-1 check of each of the anomalies resulted in zero anomaly locations requiring re-excavation.

3.5.4.2 QC-2

A digital resurvey of an approximately 5.4-acre area (approximately 16% of each 100-foot by 100-foot grid or partial grid located within Work Area III) was performed. The data was processed and compared against the original survey data for the area to ensure that the anomalies selected for excavation had been removed.

A failure would have been defined by the discovery of an UXO or UXO-like item, or five re-acquirable anomalies as a result of the QC survey, sufficient in size to represent a 37mm projectile or larger military munitions item, or the discovery during the QC process of five non-selected anomalies that should have been selected during the initial survey within a single 100-foot by 100-foot grid. There were no MEC detected at any of the QC-2 anomalies investigated from the grids or portions of grids located within Work Area III.

3.5.4.3 QC-3

A 10% QC-3 inspection was performed using a Schonstedt magnetometer for all grids. The discovery of any UXO or UXO-like item sufficient in size to represent a 37mm projectile or larger would have constituted a failure of the grid being investigated. No MEC, MD, or cultural debris sufficient in size to represent a 37mm was found during the QC-3 survey.

3.5.5 FORA Independent Quality Assurance

Independent QA was conducted by FORA. A copy of the independent QA report provided by FORA's contractors has been provided in Appendix D. The independent QA report concludes that the Work Area III DGM data and results meet the QA objectives.

4. Conclusions and Recommendations

Previous MEC investigation and removal actions have resulted in the majority of the proposed roadway extension area being intrusively investigated, and the associated MEC and MD removed. A portion of the proposed roadway extension located in Work Area III in the Parker Flats MRA had not previously been fully investigated. The FORA ESCA RP Team has successfully completed the investigation of Work Area III within the proposed roadway extension. The investigation was completed using best available (and appropriate) detection technology (BADT) in accordance with the Final Group 1 RI/FS Work Plan. Subsurface target anomalies that potentially represented MEC were intrusively investigated and removed from within the proposed roadway extension limits. The required QC and QA inspections were successfully completed in accordance with the Final Group 1 RI/FS Work Plan. In addition, the removal action activities were overseen by an independent QA professional on behalf of FORA.

Based upon the results of the previous investigation and removal actions and the results of the ESCA RP Team's investigation of Work Area III, the potential for residual MEC risks to remain within the proposed roadway extension has been significantly reduced. Although the area beneath the existing paved Eucalyptus Road has not been investigated, the areas immediately adjacent to the road have been fully investigated. Based upon the results of the investigation and removal actions, the risks posed by MEC potentially located beneath the paved Eucalyptus Road can be successfully managed with UXO construction support.

To manage remaining risks related to the potential presence of MEC, UXO construction support will be required during intrusive construction activities in accordance with the procedures described in the Construction Support Work Plan, which is being submitted by the ARCADIS Team as a separate report. In addition, construction personnel will be required to complete UXO recognition and avoidance training, as required by the FOSET 5 and the associated land use controls as required in the land transfer deeds.

With these protective measures in place, and based on the successful removal action efforts conducted to date in the other portions of the proposed roadway extension, the proposed roadway extension has been deemed to be in acceptable condition for FORA to proceed with planned construction activities within the proposed roadway extension.

5. References

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Table 1
Summary of MEC Finds
Monterey County, California

MEC Items	Quantity	Depth (inches)	Type	Contractor	Hazard Category
MRS15-SEA.04					
Grenade, rifle, smoke, M22 series	1	1	UXO	Parsons	1
Projectile, 57mm, HE, M306 series	1	2	UXO	Parsons	3
Projectile, 57mm, HE, M306 series	1	18	UXO	Parsons	3
Simulator, flash artillery, M110	1	2	UXO	Parsons	1
Cartridge, ignition, M2 series	1	3	UXO	Parsons	1
Flare, surface, trip, M49 series	1	1	UXO	Parsons	1
Projectile, 57mm, HE, M306	1	12	UXO	ESCA RP	3
MRS-44EDC					
Projectile, 40mm, parachute, white star, M583A1	1	0	UXO	USA	1
Fuze, grenade, hand, M10 series	1	2	DMM	USA	1
Projectile, 75mm, shrapnel, MK I	1	0	UXO	ESCA RP	3
MRS-44PBC					
Fuze, grenade, hand, M228	1	1	DMM	USA	1
Fuze, grenade, hand, M10 series	1	1	DMM	USA	1
Grenade, hand, smoke, M18	1	1	UXO	USA	1
Fuze, grenade, hand, M228	1	1	DMM	USA	1
Grenade, hand, smoke, M18	1	1	UXO	USA	1
Grenade, hand, illuminating, MK I	1	1	UXO	USA	1
Grenade, hand, smoke, M18	2	0	UXO	USA	1
Fuze, grenade, hand, M228	1	1	UXO	USA	1
Fuze, grenade, hand, M10 series	1	2	DMM	USA	1
MRS15-MOCO.2					
Cartridge, 40mm, practice, M781	1	0	DMM	Parsons	1
Simulator, projectile, airburst, M74 series	1	6	UXO	Parsons	1
Fuze, grenade, hand, practice, M205 series	1	6	DMM	Parsons	1
No MRS (Army property)					
Projectile, 57mm, HE, M306 series	1	0	DMM	ESCA RP	3

Notes:
MEC - munitions and explosives of concern
UXO - unexploded ordnance
DMM - discarded military munitions
HE - high explosive
Reference: Fort Ord Military Munitions Response Program (MMRP) Database

Table 2
Summary of Munitions Debris Finds
Monterey County, California

MD Items	Quantity	Depth (inches)	Contractor	Weight (lbs)
MRS15-SEA.04				
Fuze, projectile, point detonating, M503	1	2	ESCA RP	0.5
Projectile, 81mm, mortar, trn, M68	1	0	ESCA RP	15
Fuze, projectile, comb, M1907	1	6	Parsons	1
Fragments, unknown	1	4	Parsons	0.2
Ordnance components	1	3	Parsons	0.5
Signal, illumination, ground, parachute, rifle, M19 series	1	4	Parsons	3
Fuze, projectile, comb, M1907	1	4	Parsons	1
Fuze, projectile, PD, M47	1	6	Parsons	2
Fragments, unknown	1	3	Parsons	1
Fragments, unknown	1	1	Parsons	0.01
Fragments, unknown	1	6	Parsons	0.5
MRS-44EDC				
Grenade, hand, smoke, M18	1	1	USA	0
Fuze, projectile, mechanical time, M571	1	1	USA	0
Projectile, 37mm, LE, MK I	**	0	USA	5
Grenade, hand, illuminating, MK I	1	6	USA	0
Fuze, grenade, hand, M228	7	6	USA	0
Grenade, rifle, AT, practice, M11	1	2	USA	0
Grenade, rifle, AT, M11 A1 practice	1	2	USA	0
Grenade, rifle, AT, M11 A1 practice	1	1	USA	0
Grenade, hand, practice, MK 2	1	1	USA	0
Firing, device, pull, M1	1	1	USA	0
Fuze, grenade, hand, M228	2	1	USA	0
Projectile, 81mm, mortar, HE, M362A1 & M362	**	0	USA	10
Projectile, 60mm, mortar, HE, M49A3 (M49A2E1) & M49A2	**	0	USA	5
Fuze, projectile, point detonating, M48 series	1	2	USA	0
Projectile, 81mm, mortar, HE, M43A1 & M43A1B1	**	3	USA	1
Fuze, projectile, point detonating, M48 series	1	8	USA	0
Fuze, projectile, point detonating, M48 series	1	14	USA	0
Projectile, 37mm, LE, MK I	**	1	USA	1
Grenade, hand, practice, delay, M69	1	1	USA	0

Table 2
Summary of Munitions Debris Finds
Monterey County, California

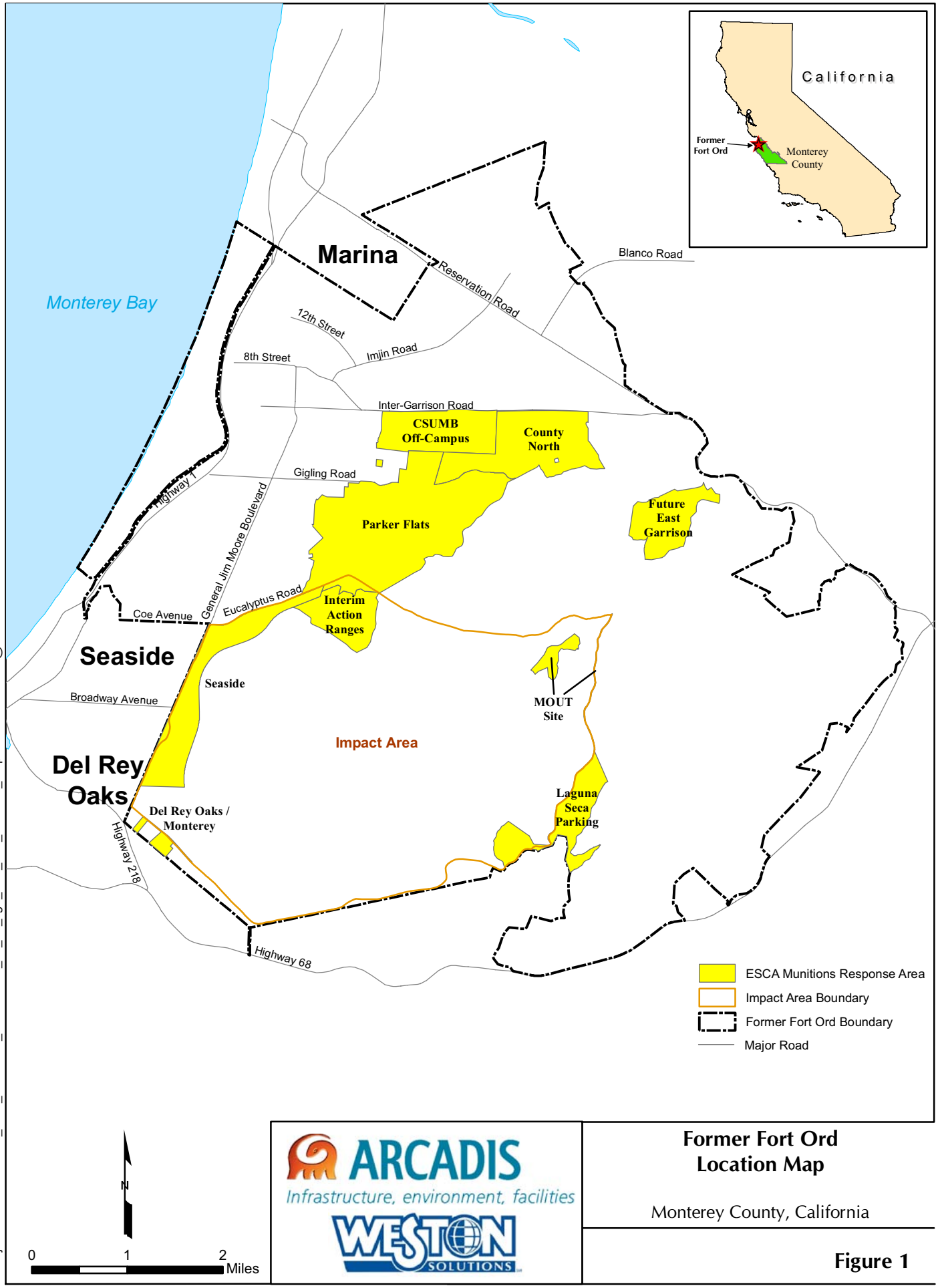
MD Items	Quantity	Depth (inches)	Contractor	Weight (lbs)
Fragments, unknown	**	0	USA	10
Fragments, unknown	**	0	USA	5
Fragments, unknown	**	0	USA	8
Fragments, unknown	**	0	USA	5
Fragments, unknown	**	0	USA	8
Fragments, unknown	**	0	USA	15
Fragments, unknown	**	0	USA	7
Fragments, unknown	**	0	USA	5
Fragments, unknown	**	0	USA	30
Fragments, unknown	**	0	USA	20
Fragments, unknown	**	0	USA	15
MRS-44PBC				
Fuze, grenade, hand, practice, M228	1	1	USA	0
Projectile, 75mm, shrapnel, MK I	1	8	USA	0
57mm projectile, HE, unfuzed	1	1	ESCA RP	0
MRS15-MOCO.2				
Fuze, grenade, hand, M10 series	1	1	USA	0
Fuze, projectile, point detonating, M48 series	1	1	USA	0
Fragments, unknown	**	0	USA	2
Projectile, 37mm, AP-T, M51 series	1	12	Parsons	2
Grenade, hand, practice, MK II	1	6	Parsons	0
Fragments, unknown	**	2	Parsons	0.3
Fragments, unknown	**	1	Parsons	0.3

Notes:
MD - munitions debris
ESCA RP - Environmental Services Cooperative Agreement Remediation Program
** - Military Munitions Response Program (MMRP) Database identified item as MD with a quantity of zero (item recorded by weight)
Reference: Fort Ord Military Munitions Response Program (MMRP) Database

Table 3
Summary of Munitions Debris Finds - ESCA RP Investigation
Monterey County, California

MD Items	Quantity	Depth	Weight (lbs)
Fuze, grenade, hand, practice, M205	1	3	0.1
Projectile, 40mm, practice, M385	1	6	1
Fuze, grenade, hand, practice, M205	1	3	0.1
Signal, illumination, ground, M125	1	12	1.5
Signal, illumination, ground, M125	1	0	1.5
Fuze, grenade, hand, practice, M205	1	0	0.1
Projectile, unknown	1	6	1
Fragments, unknown	1	6	0.1
Fuze, grenade, hand, practice, M228	1	3	0.1
Signal, illumination, ground, rifle, M19	1	0	0.5
Firing device, pull, M1	1	0	0.1
Fuze, grenade, hand, practice, M205	1	5	0.1
Fuze, grenade, hand, practice, M205	1	4	0.1
Fuze, grenade, hand, practice, M205	1	5	0.1
Projectile, unknown	1	6	0.1
Projectile, unknown	1	6	0.1
Other	1	6	0.1

Notes:
MD - munitions debris
ESCA RP - Environmental Services Cooperative Agreement Remediation Program



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Former Fort Ord Location Map

Monterey County, California

Figure 1

MRS-50

MRS-40

Parker Flats Cut-Off

MRS-50 EXP

MRS-24B

MRS-24C

MRS-44 EDC

MRS-44 PBC

MRS-15 MOCO 02

MRS-24A

MRS-15 SEA 04

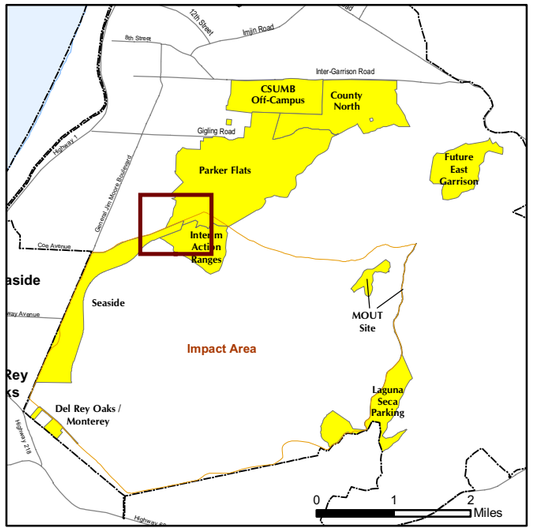
Eucalyptus Road

MRS-Ranges 44-48

MRS-BLM

Legend

- Eucalyptus Road Phase II Work Area (Source: C&D 2010)
- Right of Way (Source: C&D 2010)
- Roadway Centerline
- MRS-44 EDC — Munitions Response Site (MRS)
- MRA Boundary
- Major Road
- Seaside MRA
- Paker Flats Phase II MRA
- Army Property



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Eucalyptus Road Phase II
Work Area and MRS Boundaries

Monterey County, California

Figure 2

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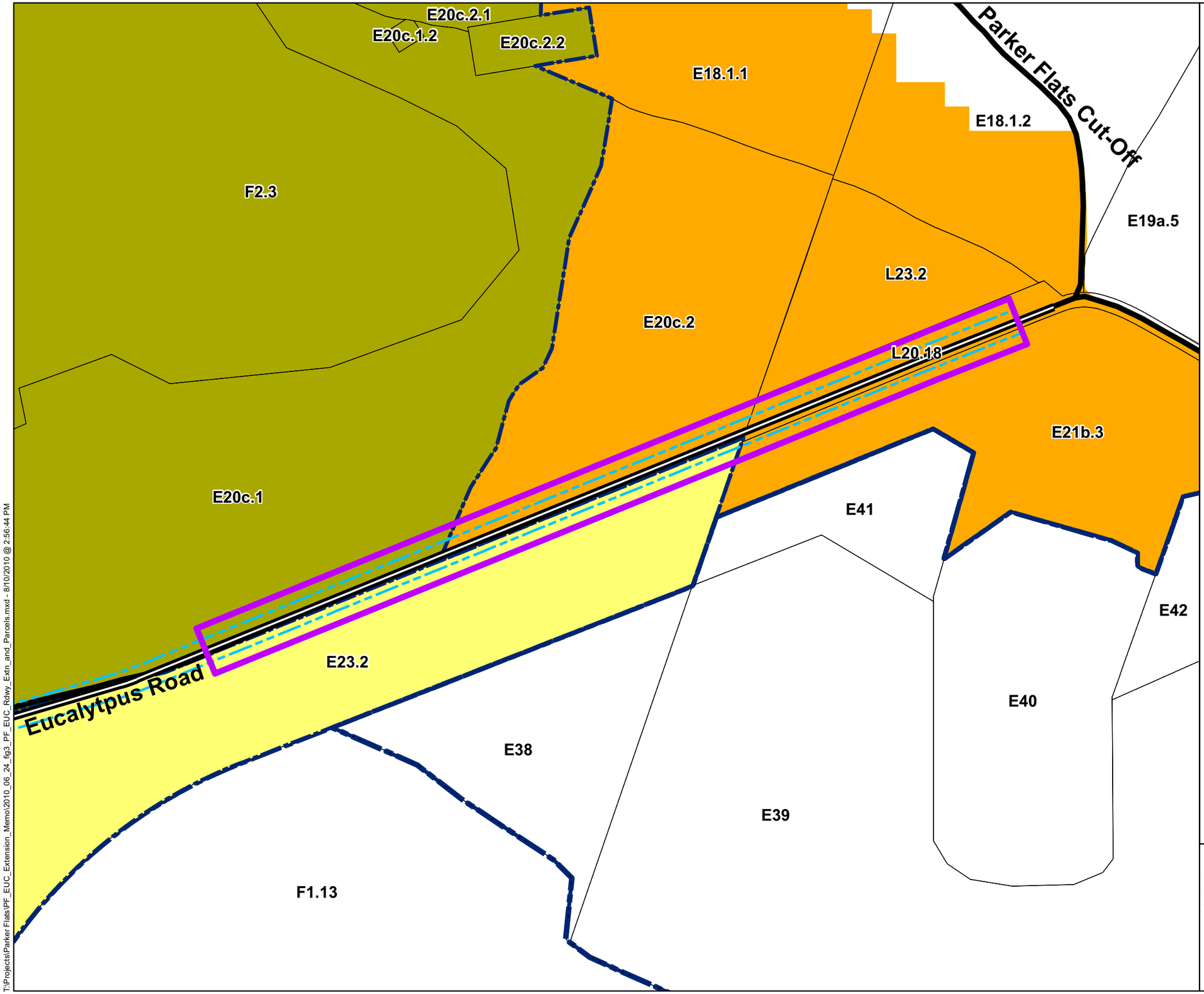
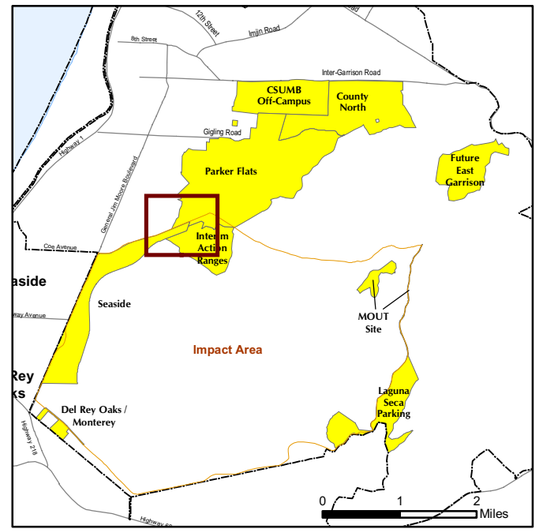
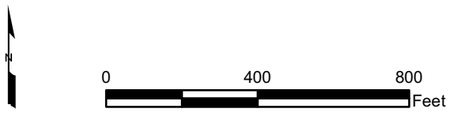


Legend

- Eucalyptus Road Phase II Work Area (Source: C&D 2010)
- Right of Way (Source: C&D 2010)
- Roadway Centerline
- E20c.2 — USACE Parcels
- MRA Boundary
- Major Road
- Seaside MRA
- Paker Flats Phase II MRA
- Army Property





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Eucalyptus Road Phase II
Work Area and USACE Parcel Boundaries

Monterey County, California

Figure 3

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MRS-50

MRS-40

Parker Flats Cut-Off

MRS-50 EXP

MRS-24B

MRS-24C

MRS-44 EDC

MRS-44 PBC

MRS-15 MOCO 02

MRS-24A

MRS-15 SEA 04

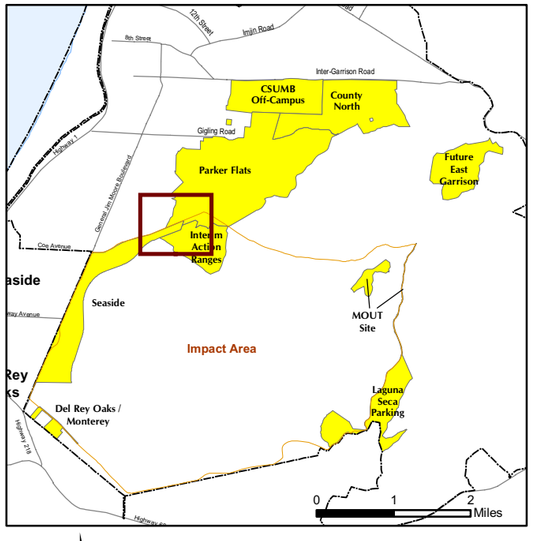
Eucalyptus Road

MRS-Ranges 44-48

MRS-BLM

Legend

- MEC Item
- MD Item
- Eucalyptus Road Phase II Work Area (Source: C&D 2010)
- Right of Way (Source: C&D 2010)
- Roadway Centerline
- MRS-44 EDC — Munitions Response Site (MRS)
- MRA Boundary
- Major Road



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Eucalyptus Road Phase II
Work Area and Historical MEC and MD

Monterey County, California

Figure 4

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MRS-50

MRS-40

Parker Flats Cut-Off

MRS-50 EXP

MRS-24B

MRS-24C

MRS-44 EDC

MRS-44 PBC

MRS-15 MOCO 02

MRS-24A

MRS-15 SEA 04

Eucalyptus Road

MRS-Ranges 44-48

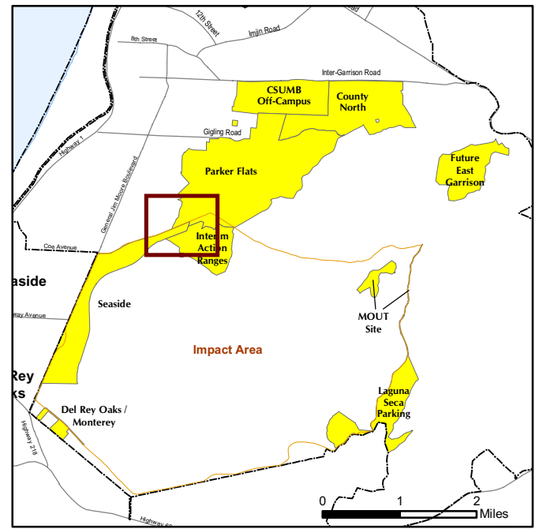
MRS-BLM

Legend

- Eucalyptus Road Phase II Work Area (Source: C&D 2010)
- Right of Way (Source: C&D 2010)
- Roadway Centerline
- MRS-44 EDC — Munitions Response Site (MRS)
- MRA Boundary
- Major Road

Response
milliVolts (mV)

2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3



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Eucalyptus Road Phase II

Work Area and DGM Area

Monterey County, California

Figure 5

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MRS-50

MRS-40

Parker Flats Cut-Off

MRS-50 EXP

MRS-24B

MRS-24C

MRS-44 EDC

MRS-44 PBC

MRS-15 MOCO 02

MRS-24A

MRS-15 SEA 04

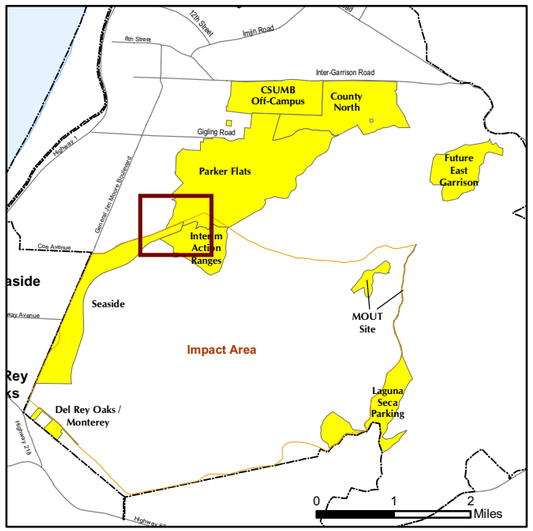
Eucalytpus Road

MRS-Ranges 44-48

MRS-BLM

Legend

- MD Item
- Eucalyptus Road Phase II Work Area (Source: C&D 2010)
- Right of Way (Source: C&D 2010)
- Roadway Centerline
- MRS-44 EDC — Munitions Response Site (MRS)
- MRA Boundary
- Major Road



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Eucalyptus Road Phase II Work Area and ESCA RP Team Investigation Results

Monterey County, California

Figure 6

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Appendix A

Digital Geophysical Mapping Color Maps

C2B5E6 C2B5E7 C2B5E8 C2B5E9

C2B5D6 C2B5D7 C2B5D8 C2B5D9

C2B5C6 C2B5C7 C2B5C8 C2B5C9

C2B5B6 C2B5B7 C2B5B8 C2B5B9

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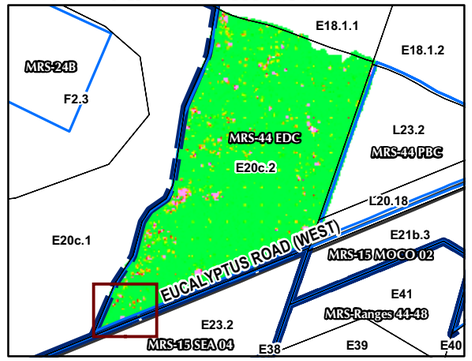
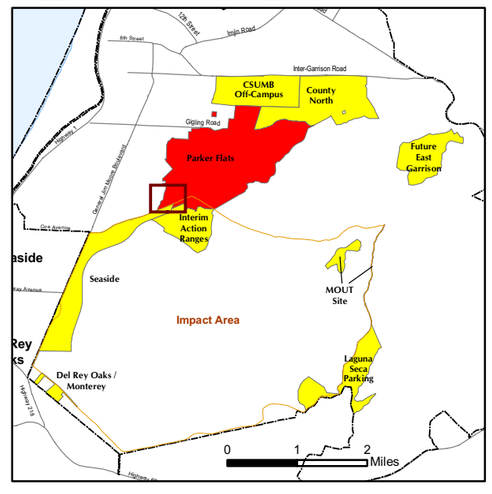
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 23 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 1

FORA ESCA RP
Monterey County, California

Appendix A

C2B5G7 C2B5G8 C2B5G9 C2B5G0 C2B

C2B5F7 C2B5F8 C2B5F9 C2B5F0 C2B

C2B5E7 C2B5E8 C2B5E9 C2B5E0 C2B

C2B5D7 C2B5D8 C2B5D9 C2B5D0 C2B

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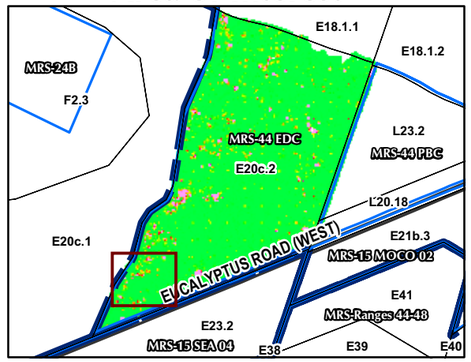
Legend

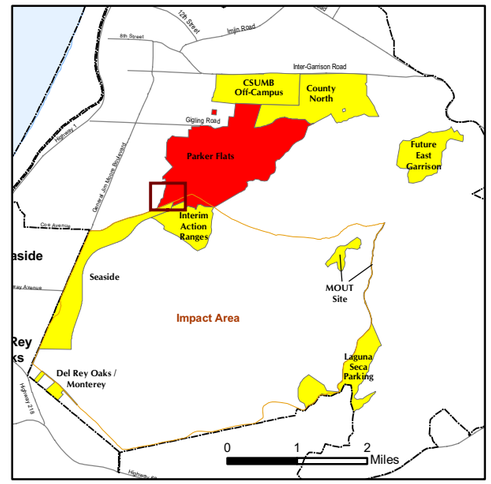
- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- G2C8F2 — 100 Foot Grid System
- 23 — Target

Response
milliVolts (mV)

2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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WESTCLIFFE ENGINEERS

Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 2

FORA ESCA RP
Monterey County, California

Appendix A

C2B5J8 C2B5J9 C2B5J0 C2B6J1 C2B6J2
C2B5I8 C2B5I9 C2B5I0 C2B6I1 C2B6I2
C2B5H8 C2B5H9 C2B5H0 C2B6H1 C2B6H2
C2B5G8 C2B5G9 C2B5G0 C2B6G1 C2B6G2
C2B5F8 C2B5F9 C2B5F0 C2B6F1 C2B6F2

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Legend

- MRA Boundary
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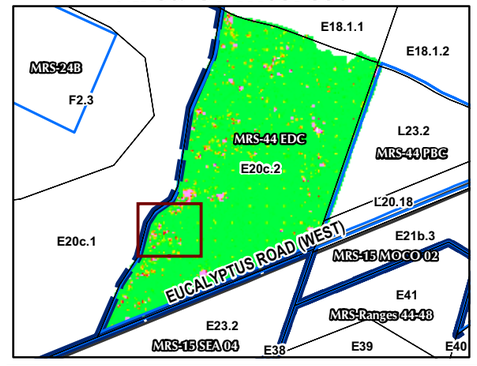
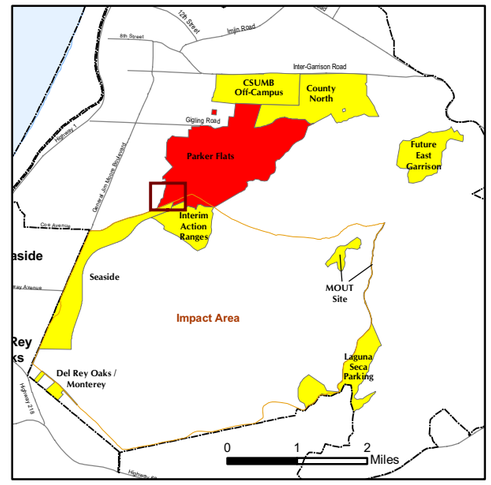
- C2C8F2 — 100 Foot Grid System
- 23 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 3

FORA ESCA RP
Monterey County, California

Appendix A

C2C5B9 C2C5B0 C2C6B1 C2C6B2 C2C6B3

C2C5A9 C2C5A0 C2C6A1 C2C6A2 C2C6A3

C2B5J9 C2B5J0 C2B6J1 C2B6J2 C2B6J3

C2B5I9 C2B5I0 C2B6I1 C2B6I2 C2B6I3

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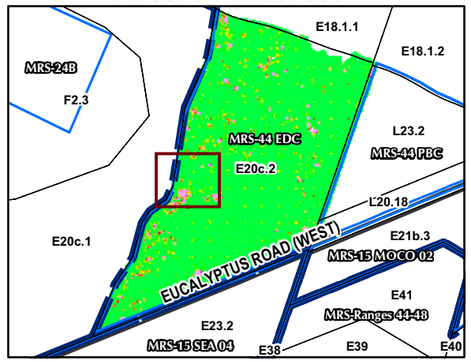
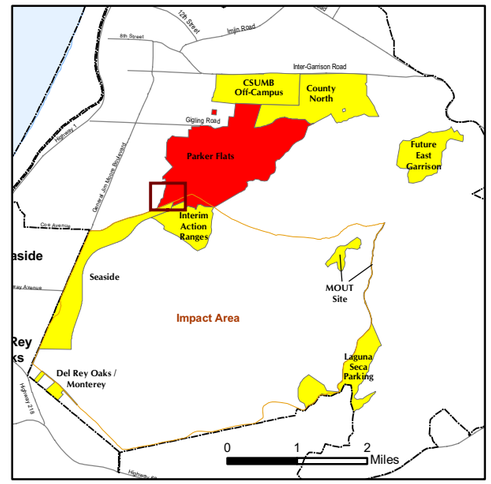
Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 4

FORA ESCA RP
Monterey County, California

Appendix A

C5E0
C2C6E1
C2C6E2
C2C6E3
C2C6E4
C5D0
C2C6D1
C2C6D2
C2C6D3
C2C6D4
C5C0
C2C6C1
C2C6C2
C2C6C3
C2C6C4
C5B0
C2C6B1
C2C6B2
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C2C6B4

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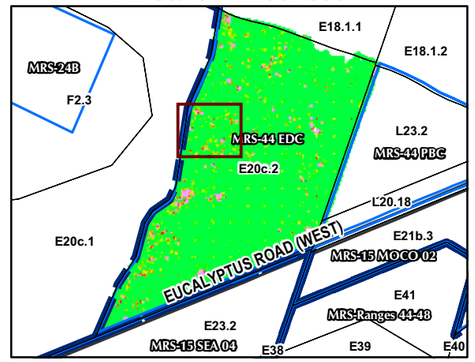
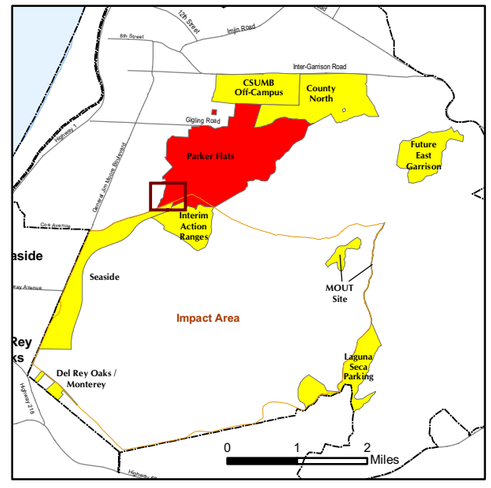
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 5

FORA ESCA RP
Monterey County, California

Appendix A

C2C6H1 C2C6H2 C2C6H3 C2C6H4 C2C6H5

C2C6G1 C2C6G2 C2C6G3 C2C6G4 C2C6G5

C2C6F1 C2C6F2 C2C6F3 C2C6F4 C2C6F5

C2C6E1 C2C6E2 C2C6E3 C2C6E4 C2C6E5

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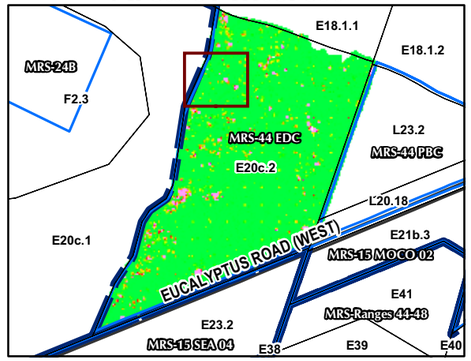
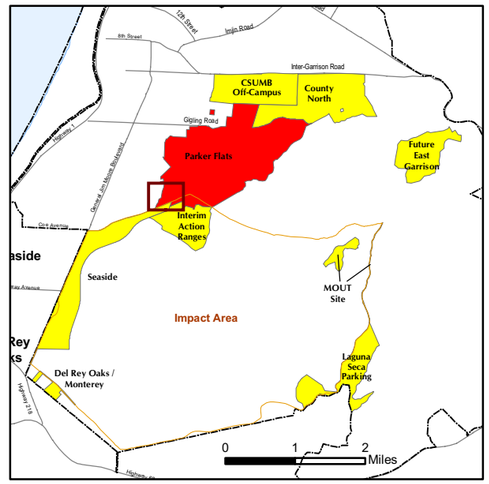
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 6

FORA ESCA RP
Monterey County, California

Appendix A

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C2C6J2 C2C6J3 C2C6J4 C2C6J5 C2C6J6

C2C6I2 C2C6I3 C2C6I4 C2C6I5 C2C6I6

C2C6H2 C2C6H3 C2C6H4 C2C6H5 C2C6H6

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Legend

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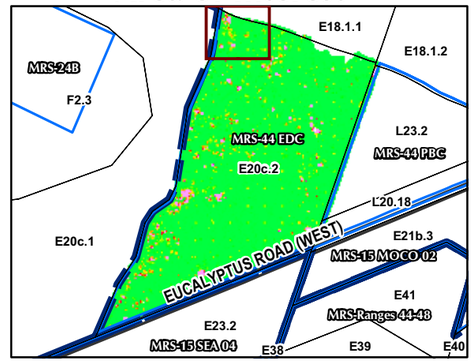
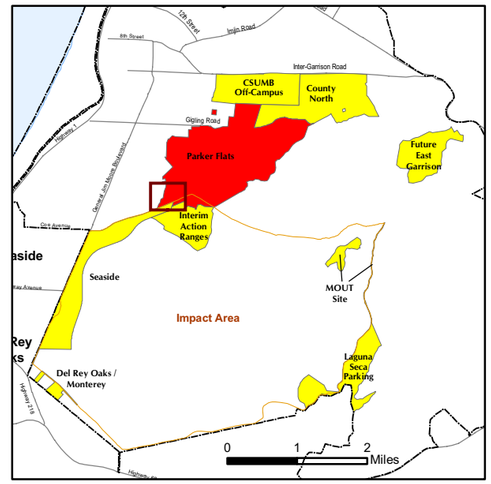
Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 7

FORA ESCA RP
Monterey County, California

Appendix A

C2B6G1
C2B6G2
C2B6G3
C2B6G4
C2B6F1
C2B6F2
C2B6F3
C2B6F4
C2B6E1
C2B6E2
C2B6E3
C2B6E4
C2B6D1
C2B6D2
C2B6D3
C2B6D4

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Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- G2C6F2 — 100 Foot Grid System
- 23 — Target

Response
milliVolts (mV)
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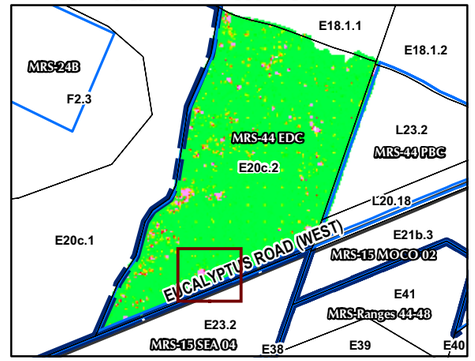
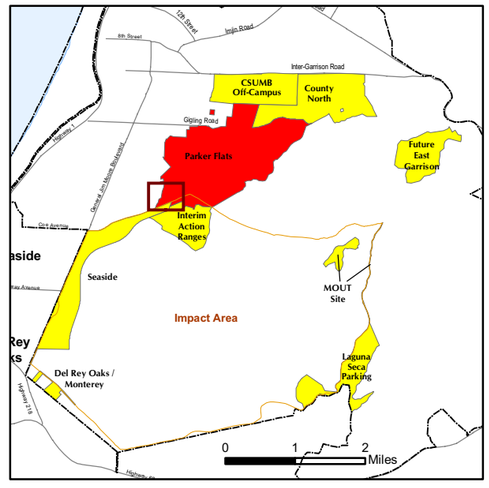
Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 8

FORA ESCA RP
Monterey County, California

Appendix A

C2B6J1 C2B6J2 C2B6J3 C2B6J4 C2B6J5

C2B6I1 C2B6I2 C2B6I3 C2B6I4 C2B6I5

C2B6H1 C2B6H2 C2B6H3 C2B6H4 C2B6H5

C2B6G1 C2B6G2 C2B6G3 C2B6G4 C2B6G5

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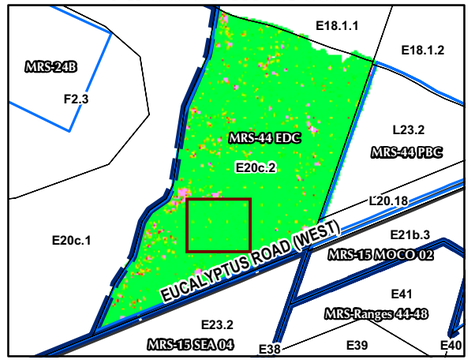
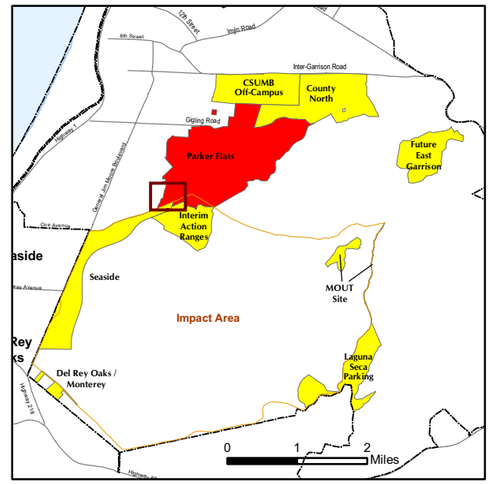
Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 9

FORA ESCA RP
Monterey County, California

Appendix A

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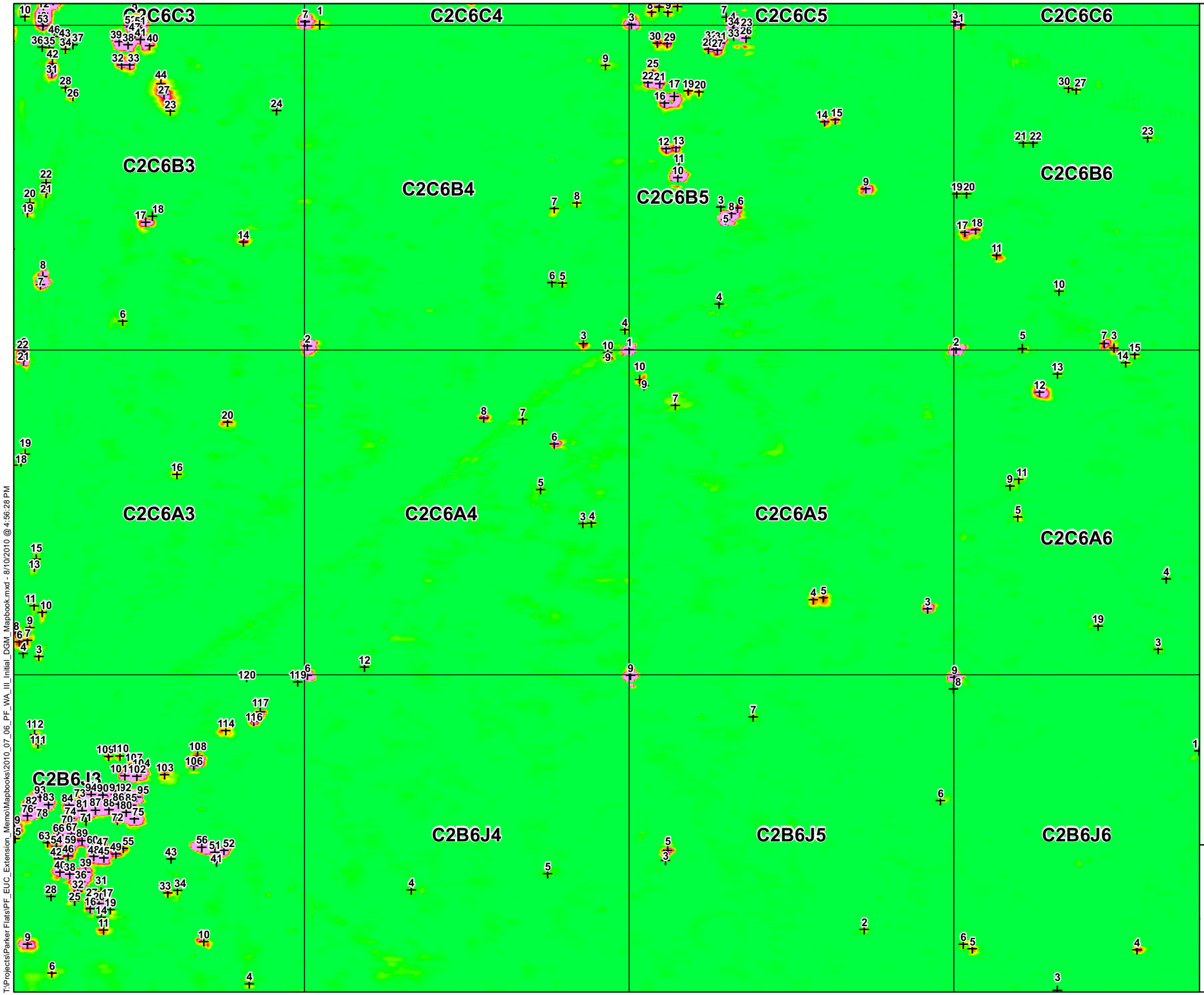

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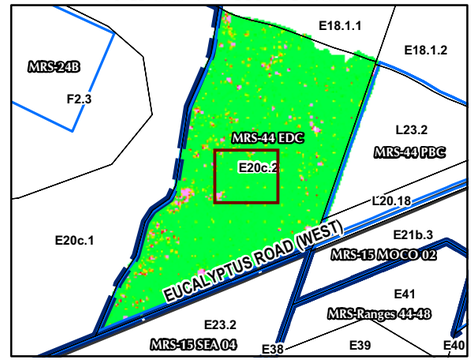
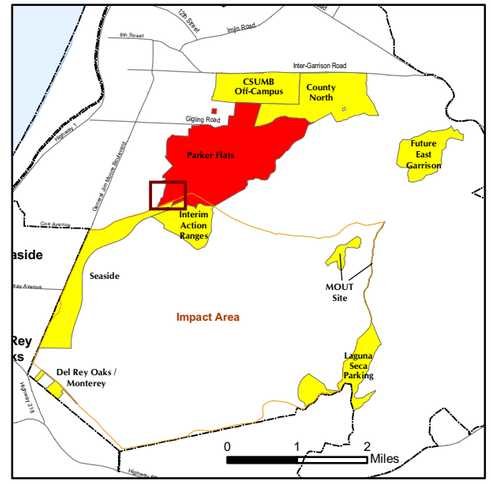
Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 10

FORA ESCA RP
Monterey County, California

Appendix A

C2C6E4 C2C6E5 C2C6E6 C2C6E7 C2C6E8

C2C6D4 C2C6D5 C2C6D6 C2C6D7 C2C6D8

C2C6C4 C2C6C5 C2C6C6 C2C6C7 C2C6C8

C2C6B4 C2C6B5 C2C6B6 C2C6B7 C2C6B8

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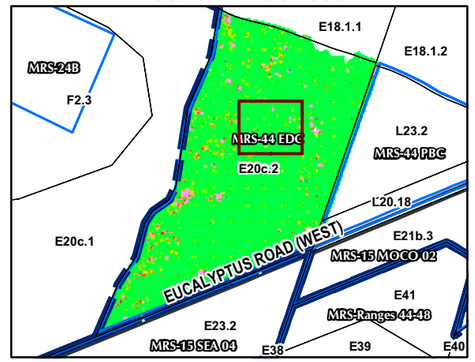

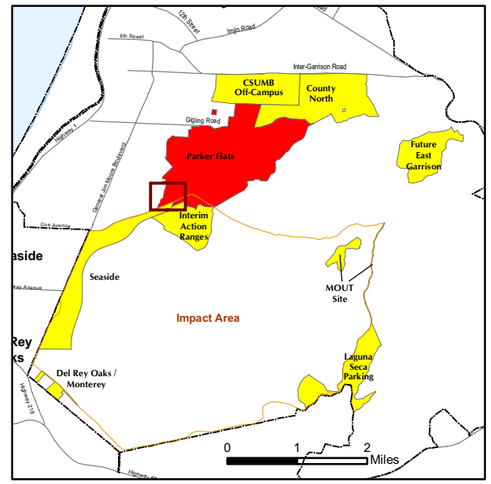

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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 11

FORA ESCA RP
Monterey County, California

Appendix A

C2C6H4
C2C6H5
C2C6H6
C2C6H7
C2C6H8
C2C6G4
C2C6G5
C2C6G6
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C2C6E5
C2C6E6
C2C6E7
C2C6E8

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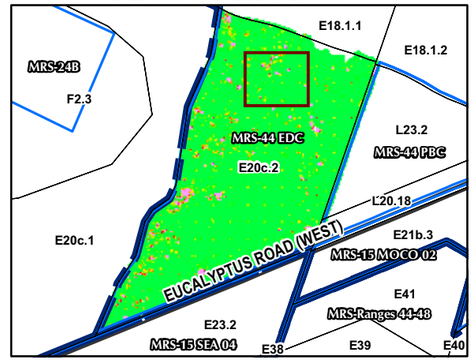

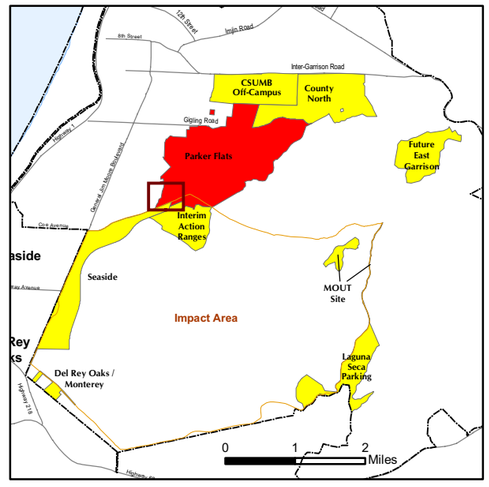

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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 12

FORA ESCA RP
Monterey County, California

Appendix A

C2C6J6 C2C6J7 C2C6J8 C2C6J9

C2C6I6 C2C6I7 C2C6I8 C2C6I9

C2C6H6 C2C6H7 C2C6H8 C2C6H9

C2C6G6 C2C6G7 C2C6G8 C2C6G9

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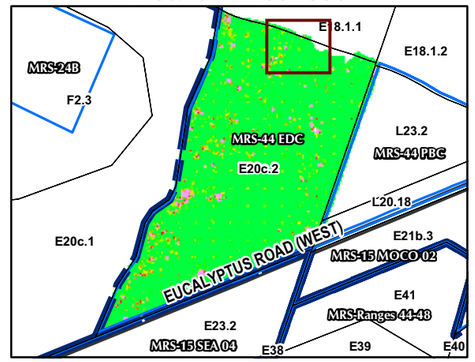

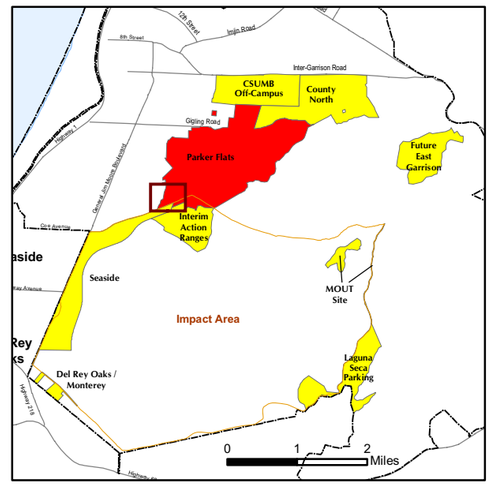

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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 13

FORA ESCA RP
Monterey County, California

Appendix A

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C2B6F4 C2B6F5 C2B6F6 C2B6F7

C2B6E4 C2B6E5 C2B6E6 C2B6E7

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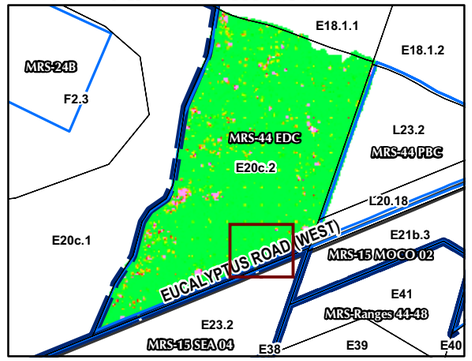

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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 14

FORA ESCA RP
Monterey County, California

Appendix A

C2B6J5 C2B6J6 C2B6J7 C2B6J8 C2B6
C2B6I5 C2B6I6 C2B6I7 C2B6I8 C2B6
C2B6H5 C2B6H6 C2B6H7 C2B6H8 C2B6
C2B6G5 C2B6G6 C2B6G7 C2B6G8 C2B6

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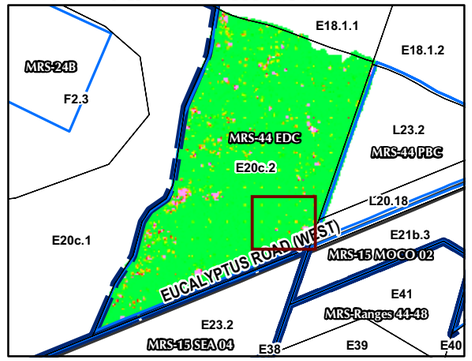
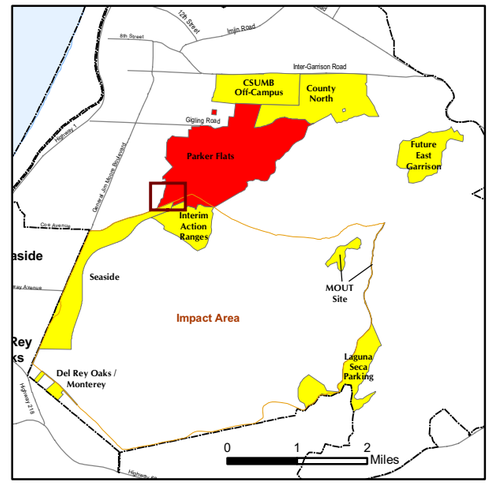
Area of Interest





N

0 30 60 Feet

LFR
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WESTCLIFFE | ENGINEERS

Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 15

FORA ESCA RP
Monterey County, California

Appendix A

C2C6A6 C2C6A7 C2C6A8 C2C6A9 C2C6A

C2B6J6 C2B6J7 C2B6J8 C2B6J9 C2B6J

C2B6I6 C2B6I7 C2B6I8 C2B6I9 C2B6I

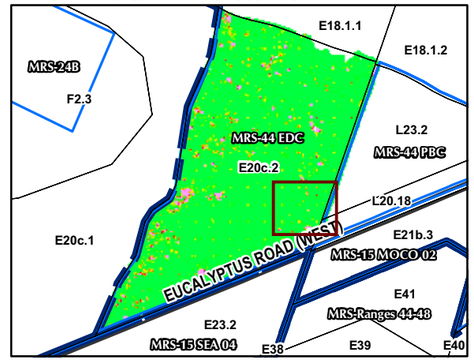
C2B6H6 C2B6H7 C2B6H8 C2B6H9 C2B6H

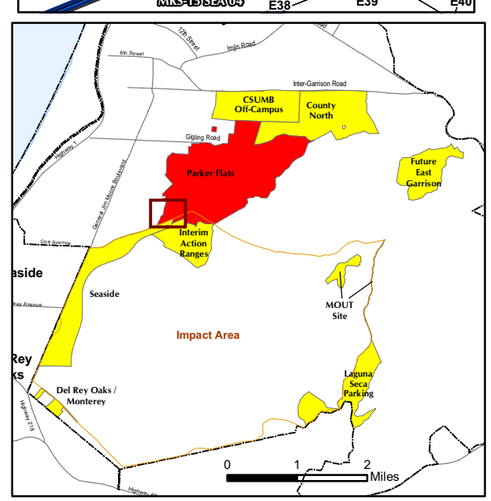
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 23 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 16

FORA ESCA RP
Monterey County, California

Appendix A

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C2C6C6 C2C6C7 C2C6C8 C2C6C9 C2C6C0

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C2C6A6 C2C6A7 C2C6A8 C2C6A9 C2C6A0

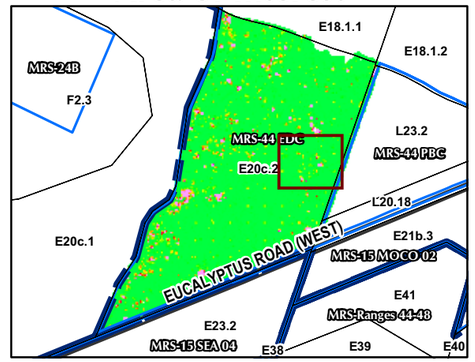
C2B6J6 C2B6J7 C2B6J8 C2B6J9 C2B6J0

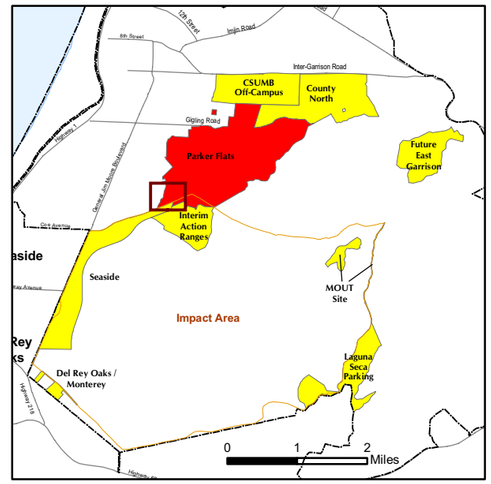
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C6F2 — 100 Foot Grid System
- Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 17

FORA ESCA RP
Monterey County, California

Appendix A

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C2C6C8 C2C6C9 C2C6C0 C2C7C1

C2C6B8 C2C6B9 C2C6B0 C2C7B1

C2C6A8 C2C6A9 C2C6A0 C2C7A1

Legend

- MRA Boundary
- Munitions Response Site (MRS)
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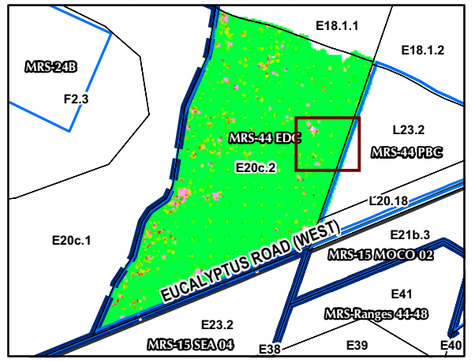
- 23 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest



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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 18

FORA ESCA RP
Monterey County, California

Appendix A

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C2C6F8 C2C6F9 C2C6F0 C2C7F1

C2C6E8 C2C6E9 C2C6E0 C2C7E1

C2C6D8 C2C6D9 C2C6D0 C2C7D1

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Legend

- MRA Boundary
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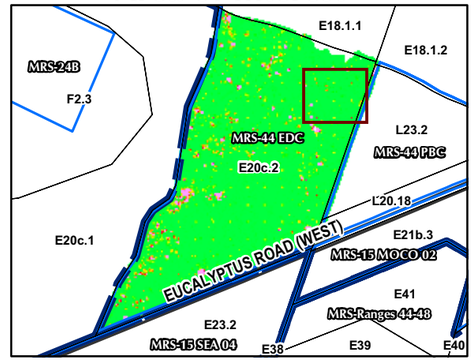
- 23 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest



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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 19

FORA ESCA RP
Monterey County, California

Appendix A

C2C6I9 | C2C6I0 | C2C7I1 | C2C7I2 | C2C7I3

C2C6H9 | C2C6H0 | C2C7H1 | C2C7H2 | C2C7H3

C2C6G9 | C2C6G0 | C2C7G1 | C2C7G2 | C2C7G3

C2C6F9 | C2C6F0 | C2C7F1 | C2C7F2 | C2C7F3

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Legend

- MRA Boundary
- Munitions Response Site (MRS)
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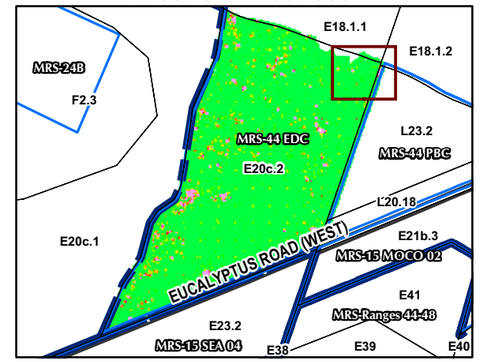
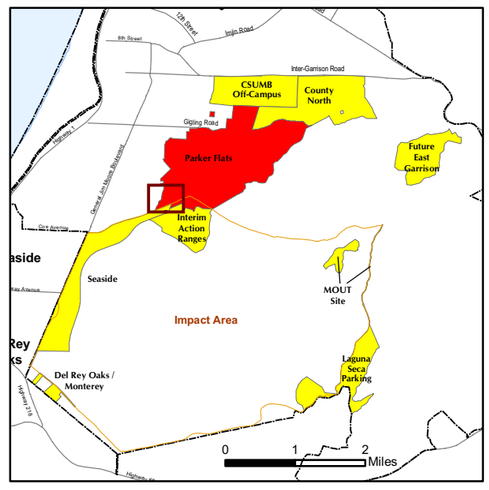
- C2C6F2 — 100 Foot Grid System
- 23 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Initial Coverage
Mapbook Page 20

FORA ESCA RP
Monterey County, California

Appendix A

C2B5D5 | C2B5D6 | C2B5D7 | C2B5D8

C2B5C5 | C2B5C6 | C2B5C7 | C2B5C8

C2B5B5 | C2B5B6 | C2B5B7 | C2B5B8

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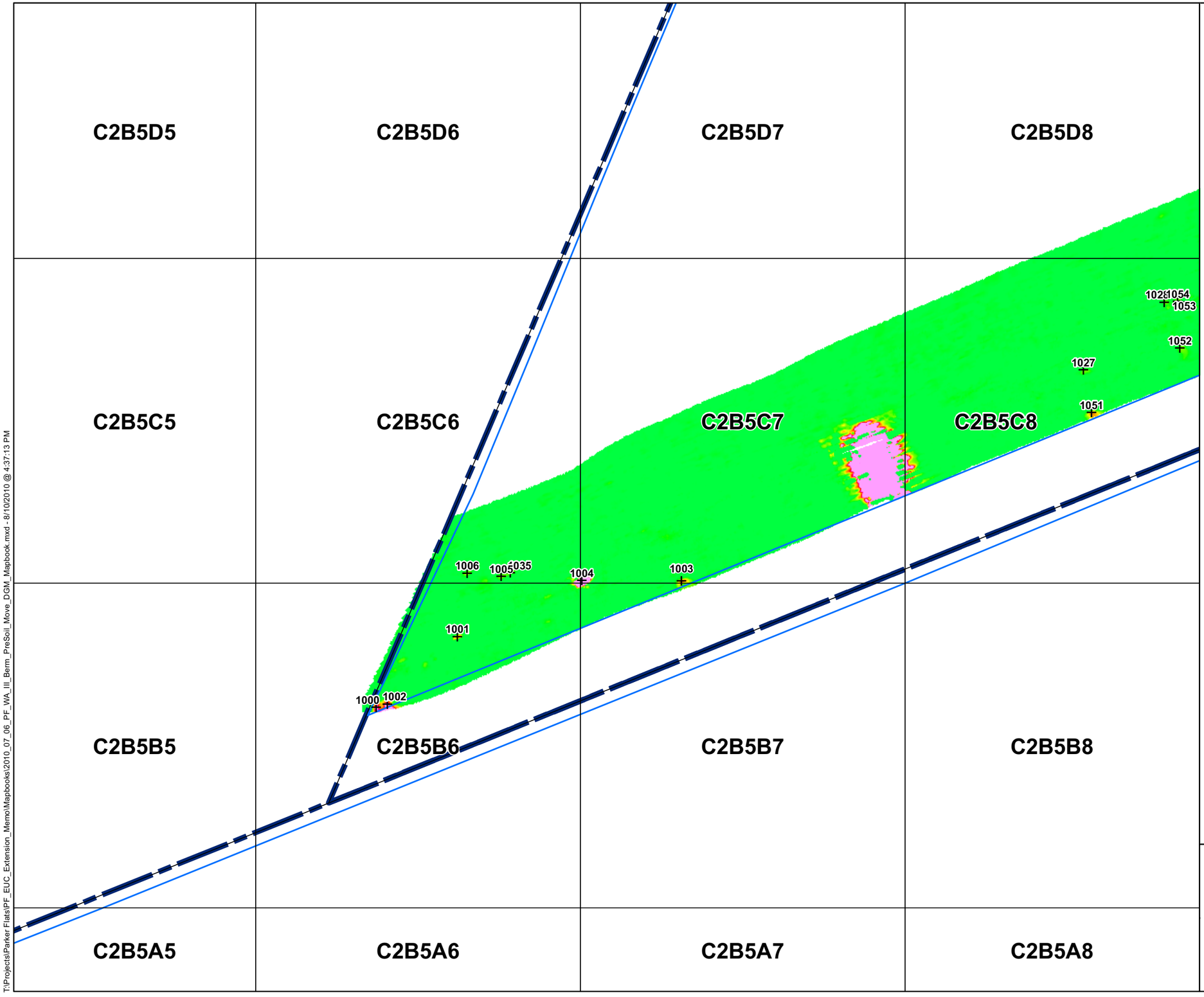
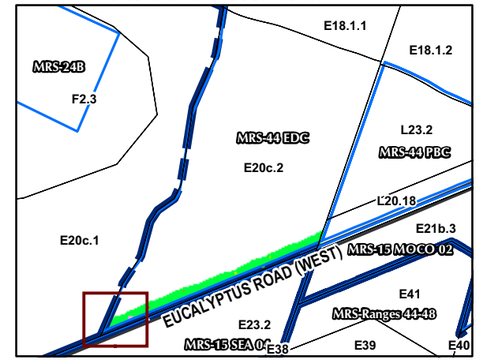


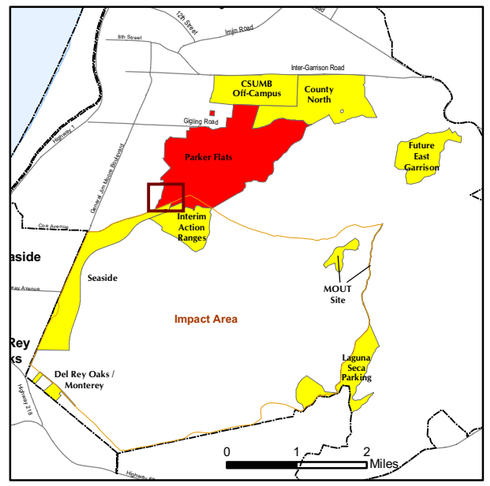
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 1027 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm Prior to Soil Movement
Mapbook Page 21

FORA ESCA RP
Monterey County, California

Appendix A

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C2B5E7 | C2B5E8 | C2B5E9 | C2B5E0 | C2B6E1

C2B5D7 | C2B5D8 | C2B5D9 | C2B5D0 | C2B6D1

C2B5C7 | C2B5C8 | C2B5C9 | C2B5C0 | C2B6C1

C2B5B7 | C2B5B8 | C2B5B9 | C2B5B0 | C2B6B1

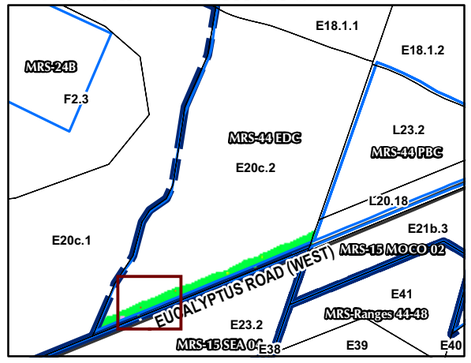
1060
1084
1056
1055
1028
1054
1053
1052
1027
1051

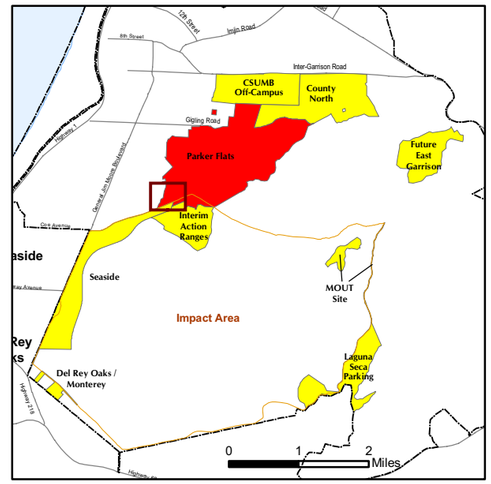
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 1027 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





N

0 30 60 Feet

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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm Prior to Soil Movement
Mapbook Page 22

FORA ESCA RP
Monterey County, California

Appendix A

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C2B5F0 | C2B6F1 | C2B6F2 | C2B6F3

C2B5E0 | C2B6E1 | C2B6E2 | C2B6E3

C2B5D0 | C2B6D1 | C2B6D2 | C2B6D3

C2B5C0 | C2B6C1 | C2B6C2 | C2B6C3

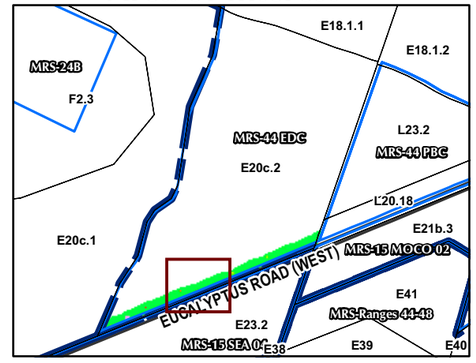
1086 1065 1064 1063 1085 1062 1060 1084 1061 1057 1056

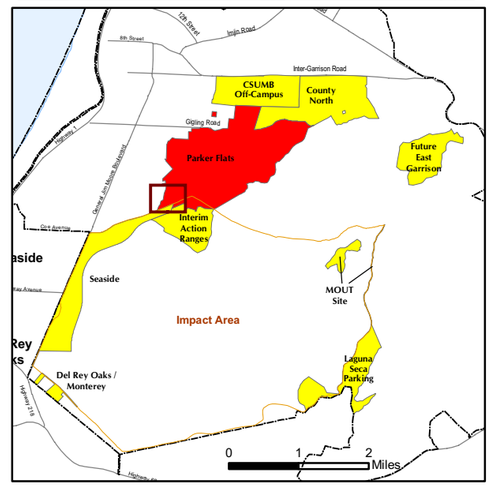
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 1027 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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0 30 60 Feet

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WESTCLIFFE ENGINEERS

Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm Prior to Soil Movement
Mapbook Page 23

FORA ESCA RP
Monterey County, California

Appendix A

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C2B6G3 | C2B6G4 | C2B6G5 | C2B6G6

C2B6F3 | C2B6F4 | C2B6F5 | C2B6F6

C2B6E3 | C2B6E4 | C2B6E5 | C2B6E6

C2B6D3 | C2B6D4 | C2B6D5 | C2B6D6

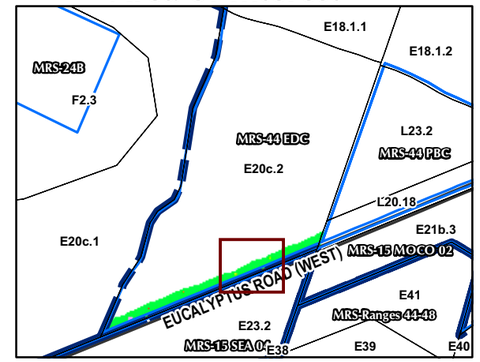
1086 1065 1064 1067 1069 1066 1087 1078 1076 1075 1074 1070 1071 1073 1072

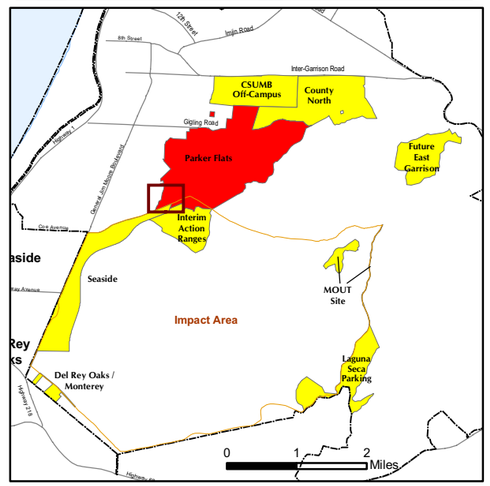
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 1027 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm Prior to Soil Movement
Mapbook Page 24

FORA ESCA RP
Monterey County, California

Appendix A

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C2B6I6 | C2B6I7 | C2B6I8 | C2B6I9

C2B6H6 | C2B6H7 | C2B6H8 | C2B6H9

C2B6G6 | C2B6G7 | C2B6G8 | C2B6G9

C2B6F6 | C2B6F7 | C2B6F8 | C2B6F9

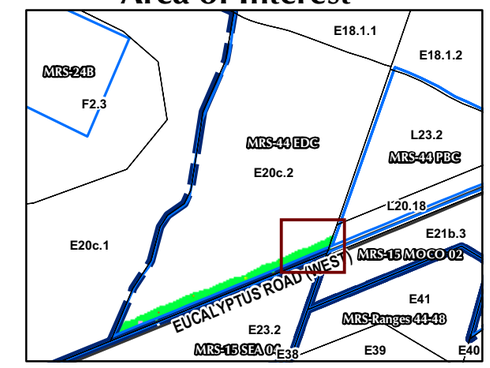
1083
1082
1081
1080
1079
1077
1075

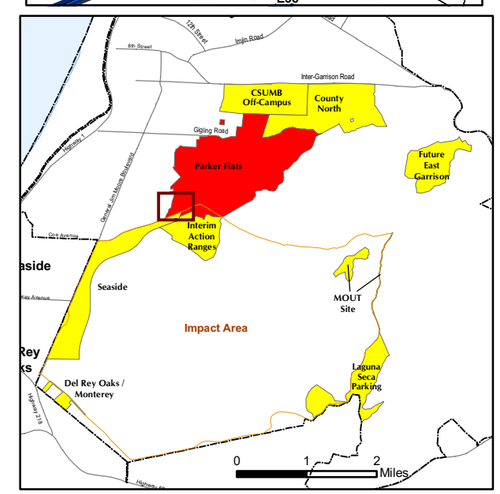
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 1027 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





N

0 30 60 Feet

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WESTCLIFFE ENGINEERS

Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm Prior to Soil Movement
Mapbook Page 25

FORA ESCA RP
Monterey County, California

Appendix A

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C2B5D5 | C2B5D6 | C2B5D7 | C2B5D8

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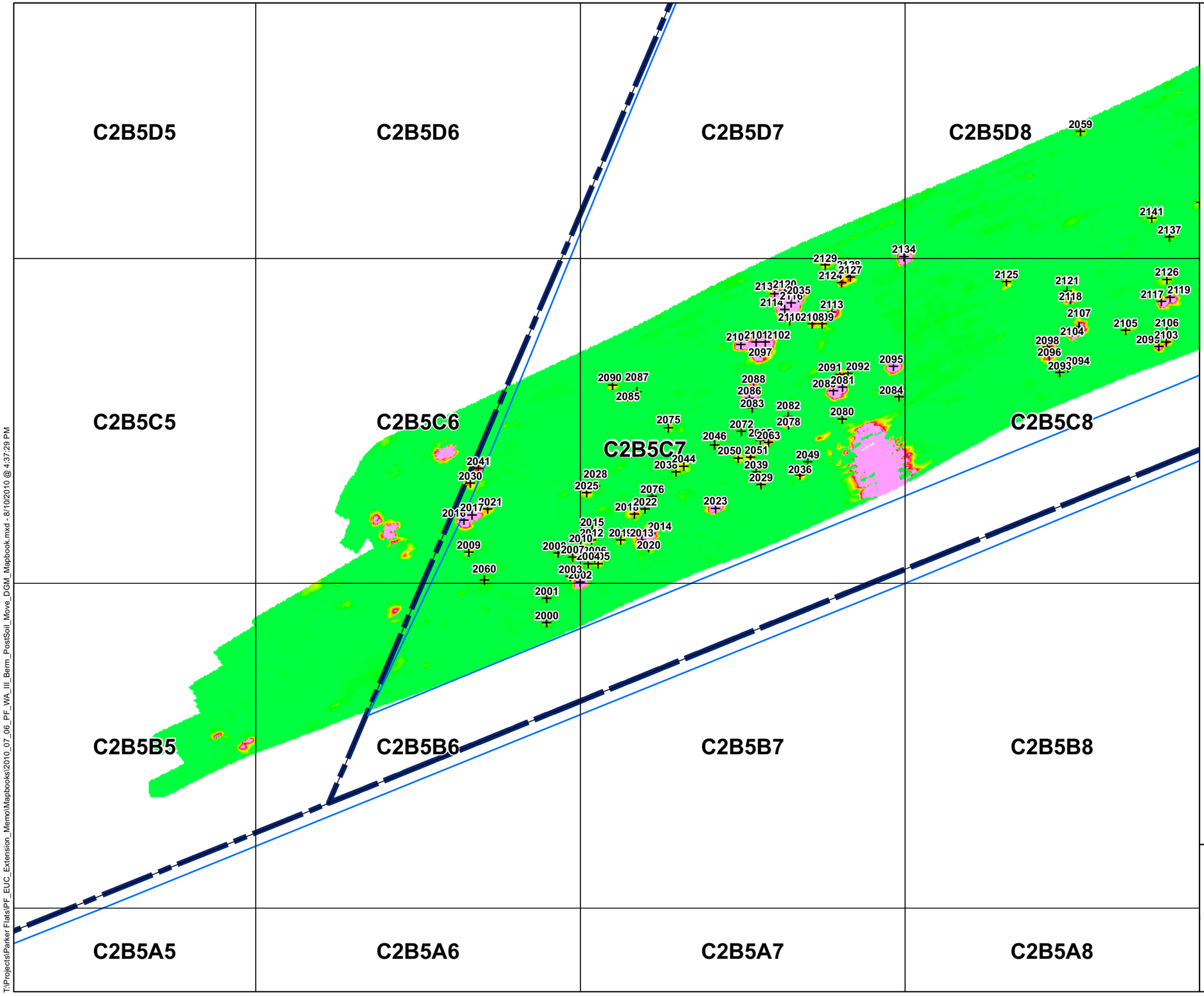
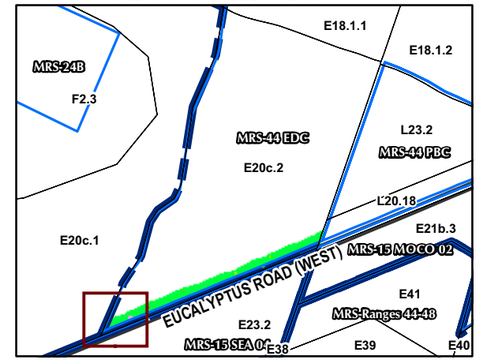


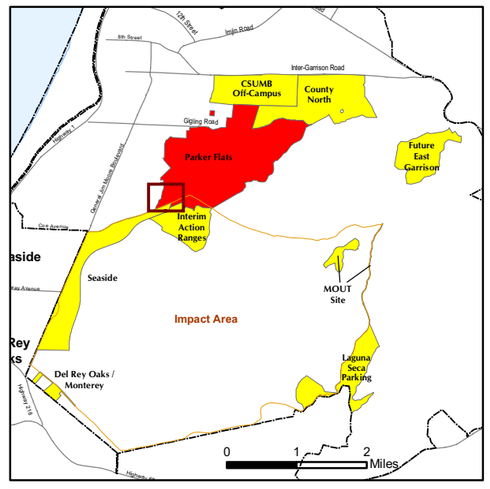
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 1027 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm After Soil Movement
Mapbook Page 26

FORA ESCA RP
Monterey County, California

Appendix A

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C2B5C7 C2B5C8 C2B5C9 C2B5C0 C2B6C1

C2B5B7 C2B5B8 C2B5B9 C2B5B0 C2B6B1

2283 2176 2166 2282 2162 2168 2170 2161 2160 2158 2153 2031 2154 2152 2151 2149 2148 2059 2147 2145 2144 2143 2142 2141 2139 2138 2140 2136 2137 2135 2133 2131 2132 2134 2129 2127 2124 2125 2121 2118 2126 2117 2119 2115 2026 2122 2113 2108 2109 2107 2104 2105 2106 2103 2098 2096 2093 2094 2095 2091 2092 2082 2081 2084 2080 2049 2112

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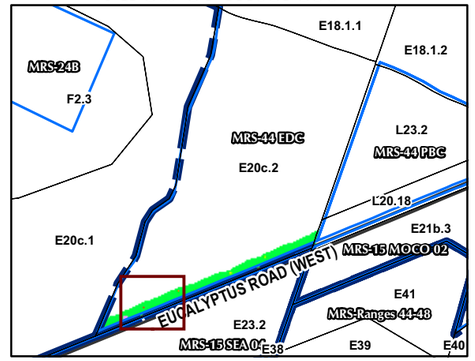
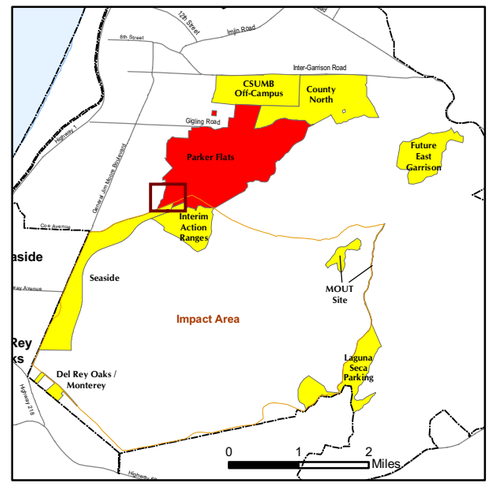
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 1027 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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0 30 60 Feet

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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm After Soil Movement
Mapbook Page 27

FORA ESCA RP
Monterey County, California

Appendix A

C2B5F0 | C2B6F1 | C2B6F2 | C2B6F3

C2B5E0 | C2B6E1 | C2B6E2 | C2B6E3

C2B5D0 | C2B6D1 | C2B6D2 | C2B6D3

C2B5C0 | C2B6C1 | C2B6C2 | C2B6C3

2211 2284 2206 2200 2197 2195 2189 2205 2191 2190 2188 2187 2186 2184 2185 2183 2287 2228 2283 2182 2176 2179 2178 2177 2180 2174 2175 2173 2172 2171 2170 2168 2285 2164 2167 2161 2160 2181 2158 2150 2157 2153 2149

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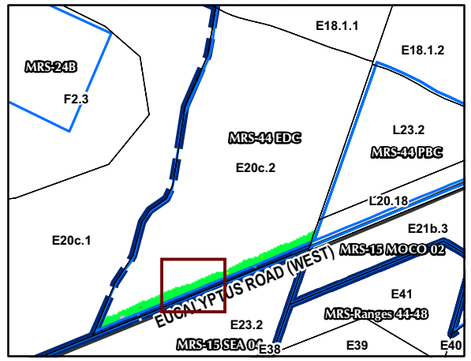
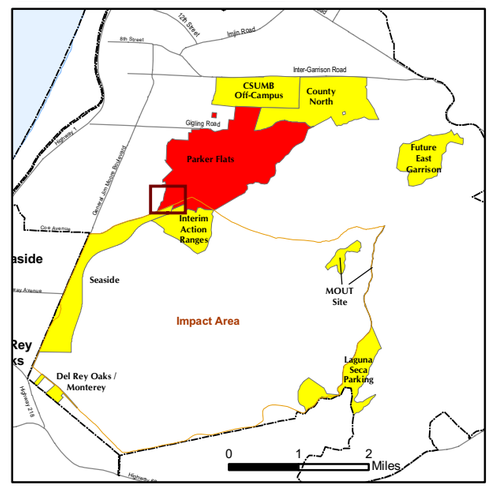
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 1027 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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0 30 60 Feet

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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm After Soil Movement
Mapbook Page 28

FORA ESCA RP
Monterey County, California

Appendix A

C2B6G3 | C2B6G4 | C2B6G5 | C2B6G6

C2B6F3 | C2B6F4 | C2B6F5 | C2B6F6

C2B6E3 | C2B6E4 | C2B6E5 | C2B6E6

C2B6D3 | C2B6D4 | C2B6D5 | C2B6D6

2284 2211 2206 2208 2216 2214 2213 2279 2215 2212 2209 2281 2280 2248 2232 2200 2203 2207 2204 2202 2201 2199 2198 2229 2225 2226 2210 2223 2224 2230 2228 2227 2222 2219 2218 2217 2221 2196 2194 2192 2193 2205 2191 2190 2188 2186 2187 2184

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Legend

- MRA Boundary
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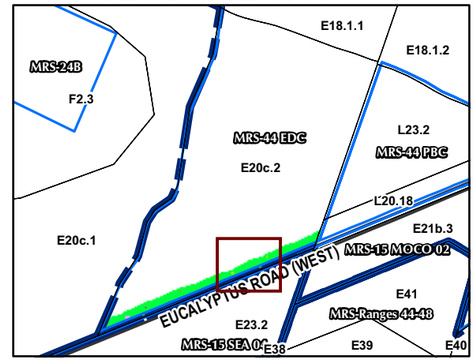
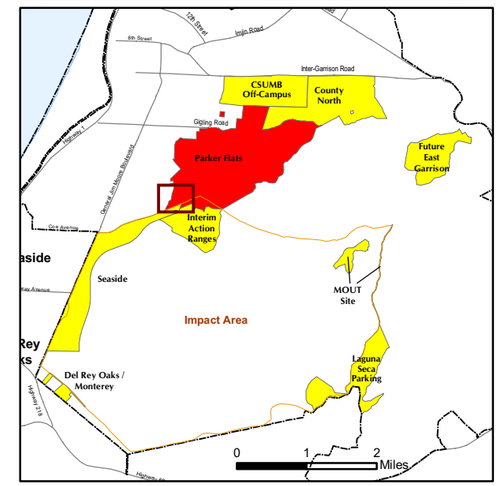
Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm After Soil Movement
Mapbook Page 29

FORA ESCA RP
Monterey County, California

Appendix A

C2B6I6 | C2B6I7 | C2B6I8 | C2B6I9

C2B6H6 | C2B6H7 | C2B6H8 | C2B6H9

C2B6G6 | C2B6G7 | C2B6G8 | C2B6G9

C2B6F6 | C2B6F7 | C2B6F8 | C2B6F9

2278 2277 2276 2274 2275 2273 2272 2271 2268 2269 2270 2265 2263 2264 2261 2259 2258 2260 2257 2220 2256 2255 2252 2253 2250 2251 2254 2246 2244 2243 2238 2241 2237 2239 2235 2233 2234 2245 2240 2236 2228 2227 2231 2217 2221

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Legend

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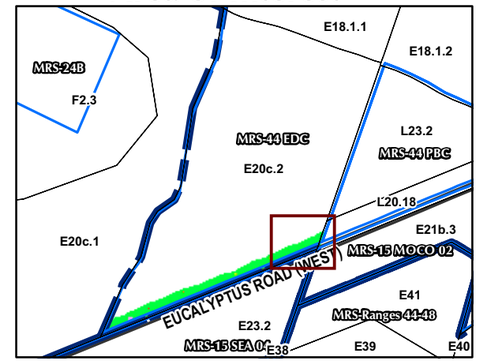
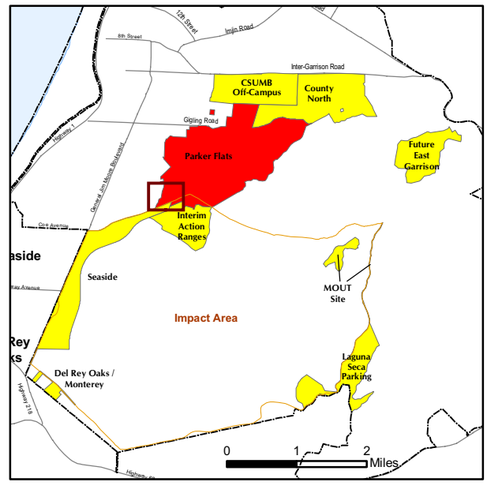
Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
Berm After Soil Movement
Mapbook Page 30

FORA ESCA RP
Monterey County, California

Appendix A

C2B5F9 | C2B5F0 | C2B6F1 | C2B6F2 | C2B6F

C2B5E9 | C2B5E0 | C2B6E1 | C2B6E2 | C2B6E

C2B5D9 | C2B5D0 | C2B6D1 | C2B6D2 | C2B6D

C2B5C9 | C2B5C0 | C2B6C1 | C2B6C2 | C2B6C

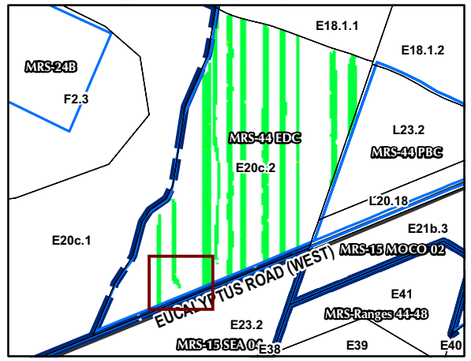
5002
5233
5001
5235
5234
5000
5229

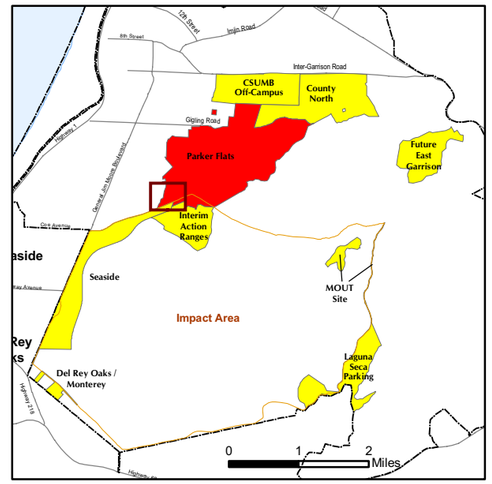
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 31

FORA ESCA RP
Monterey County, California

Appendix A

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C2B5I9	C2B5I0	C2B6I1	C2B6I2	C2B6I3
C2B5H9	C2B5H0	C2B6H1	C2B6H2	C2B6H3
C2B5G9	C2B5G0	C2B6G1	C2B6G2	C2B6G3
C2B5F9	C2B5F0	C2B6F1	C2B6F2	C2B6F3

5043
5042
5232
5041
5040
5231
5038
5037
5036
5035
5019
5230
5236

Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
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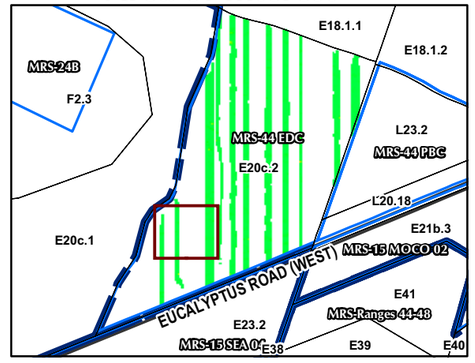
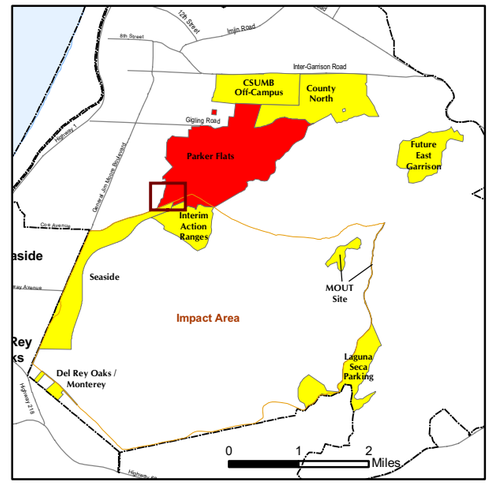
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 32

FORA ESCA RP
Monterey County, California

Appendix A

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C2C5B0 C2C6B1 C2C6B2 C2C6B3 C2C6B

C2C5A0 C2C6A1 C2C6A2 C2C6A3 C2C6A

C2B5J0 C2B6J1 C2B6J2 C2B6J3 C2B6J

C2B5I0 C2B6I1 C2B6I2 C2B6I3 C2B6I

5070 5068 5067 5063 5062 5061 5060 5239 5058 5059 5240 5241 5057 5056 5050 5055 5054 5237 5238 5051 5046 5045 5053 5049 5048 5047 5044 5043 5042 5232

Legend

- MRA Boundary
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- USACE Parcels
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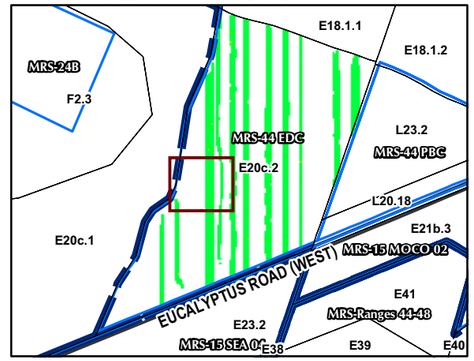
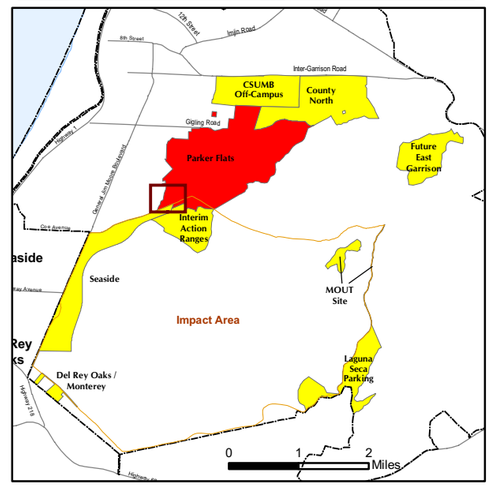
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 33

FORA ESCA RP
Monterey County, California

Appendix A

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C2C6E1 C2C6E2 C2C6E3 C2C6E4 C2C6E5

C2C6D1 C2C6D2 C2C6D3 C2C6D4 C2C6D5

C2C6C1 C2C6C2 C2C6C3 C2C6C4 C2C6C5

C2C6B1 C2C6B2 C2C6B3 C2C6B4 C2C6B5

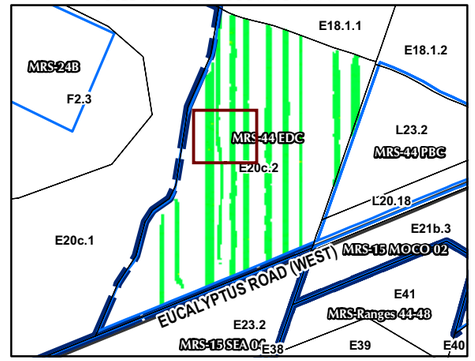
5144 5145 5245 5139 5127 5136 5135 5130 5125 5124 5123 5122 5121 5120 5119 5118 5114 5113 5112 5108 5105 5103 5102 5101 5100 5098 5095 5092 5091 5090 5096 5088 5086 5085 5083 5080 5079 5078 5077 5093 5076 5070

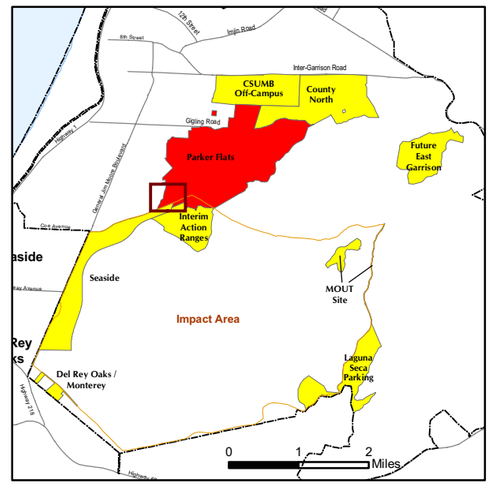
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C6F2 — 100 Foot Grid System
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 34

FORA ESCA RP
Monterey County, California

Appendix A

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C2C6H2 | C2C6H3 | C2C6H4 | C2C6H5

C2C6G2 | C2C6G3 | C2C6G4 | C2C6G5

C2C6F2 | C2C6F3 | C2C6F4 | C2C6F5

C2C6E2 | C2C6E3 | C2C6E4 | C2C6E5

5176
5175
5165
5160
5157
5156
5155
5154
5250

Legend

- MRA Boundary
- Munitions Response Site (MRS)
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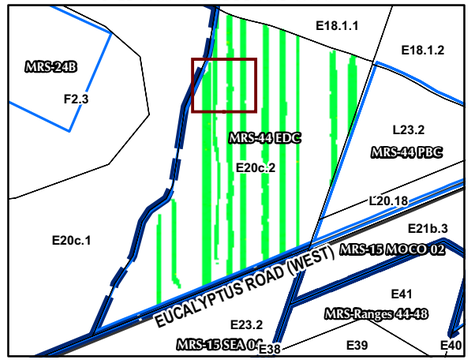
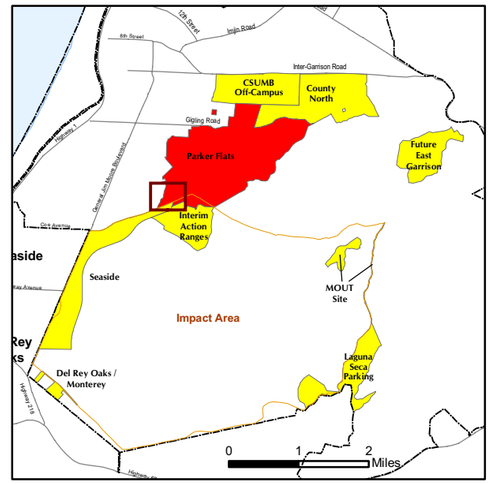
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 35

FORA ESCA RP
Monterey County, California

Appendix A

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C2D6A2 | C2D6A3 | C2D6A4 | C2D6A5 | C2D6A6

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C2C6I2 | C2C6I3 | C2C6I4 | C2C6I5 | C2C6I6

C2C6H2 | C2C6H3 | C2C6H4 | C2C6H5 | C2C6H6

5228 5227 5226 5225 5224 5223 5243 5207 5199 5182 5249 5222 5248 5220 5221 5211 5247 5212 5209 5210 5208 5195 5206 5205 5204 5203 5200 5198 5246 5196 5197 5194 5192 5191 5190 5189 5188 5187 5186 5185

Legend

- MRA Boundary
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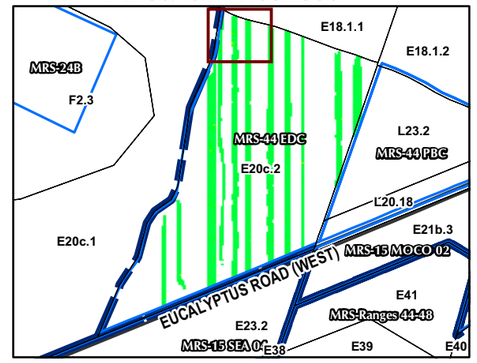
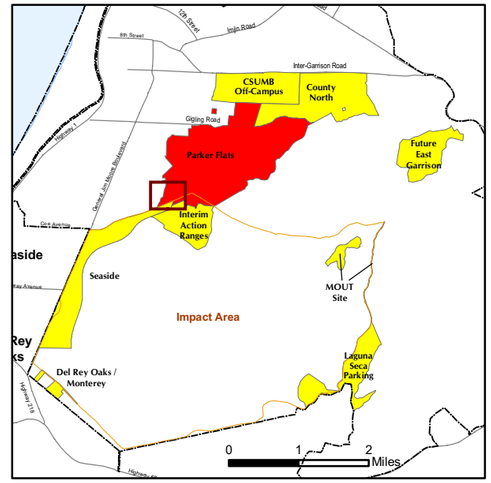
Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 36

FORA ESCA RP
Monterey County, California

Appendix A

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C2B6H2 | C2B6H3 | C2B6H4 | C2B6H5 | C2B6H6

C2B6G2 | C2B6G3 | C2B6G4 | C2B6G5 | C2B6G6

C2B6F2 | C2B6F3 | C2B6F4 | C2B6F5 | C2B6F6

C2B6E2 | C2B6E3 | C2B6E4 | C2B6E5 | C2B6E6

5236 5033 5032 5029 5021 5016 5015 5012 5009 5008 5007 5005 5004 5251 5244 5003

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milliVolts (mV)
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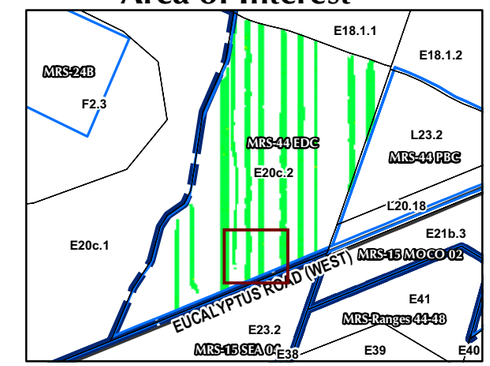
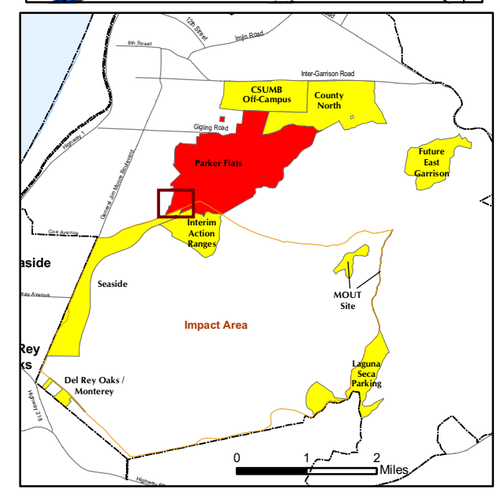
Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 37

FORA ESCA RP
Monterey County, California

Appendix A

C2C6A3	C2C6A4	C2C6A5	C2C6A6	C2C6A
C2B6J3	C2B6J4	C2B6J5	C2B6J6	C2B6J
C2B6I3	C2B6I4	C2B6I5	C2B6I6	C2B6
C2B6H3	C2B6H4	C2B6H5	C2B6H6	C2B6H

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Legend

MRA Boundary

Munitions Response Site (MRS)

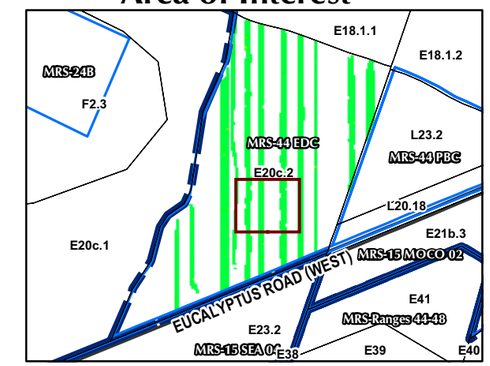
USACE Parcels

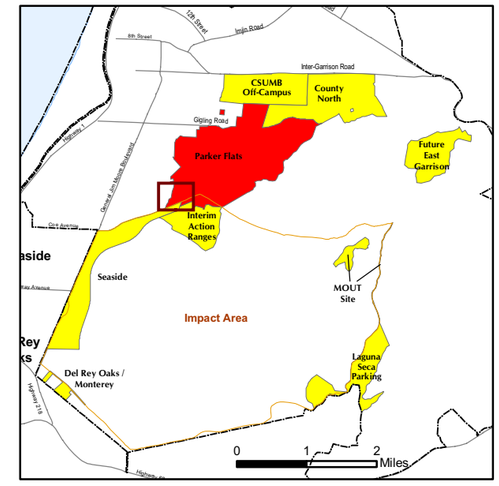
C2C8F2 — 100 Foot Grid System

5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 38

FORA ESCA RP
Monterey County, California

Appendix A

C2C6D4 | C2C6D5 | C2C6D6 | C2C6D7 | C2C6D8

C2C6C4 | C2C6C5 | C2C6C6 | C2C6C7 | C2C6C8

C2C6B4 | C2C6B5 | C2C6B6 | C2C6B7 | C2C6B8

C2C6A4 | C2C6A5 | C2C6A6 | C2C6A7 | C2C6A8

5116 5115 5111 5110 5109 5107 5106 5104 5097 5087 5084 5074 5075 5073 5072 5071 5069 5066 5065 5259

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Legend

- MRA Boundary
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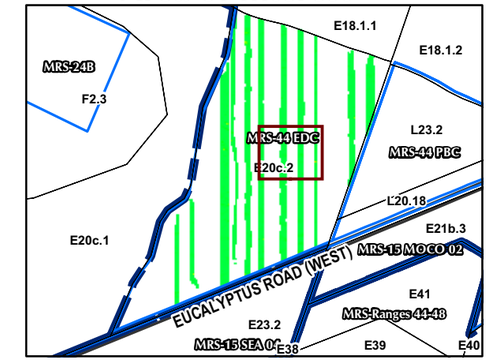
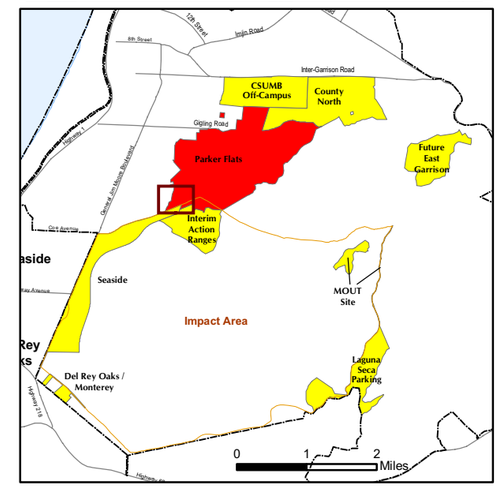
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 39

FORA ESCA RP
Monterey County, California

Appendix A

C2C6G5 | C2C6G6 | C2C6G7 | C2C6G8

C2C6F5 | C2C6F6 | C2C6F7 | C2C6F8

C2C6E5 | C2C6E6 | C2C6E7 | C2C6E8

C2C6D5 | C2C6D6 | C2C6D7 | C2C6D8

5253
5254
5159
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5255
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5142
5141
5137
5133
5135
5128
5126

Legend

MRA Boundary

Munitions Response Site (MRS)

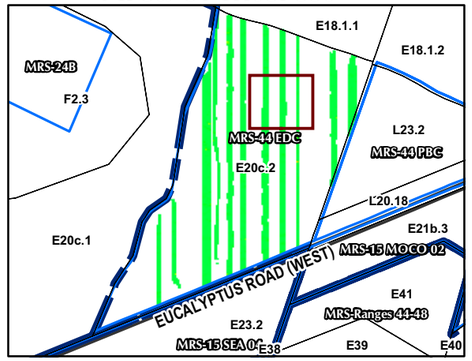
USACE Parcels

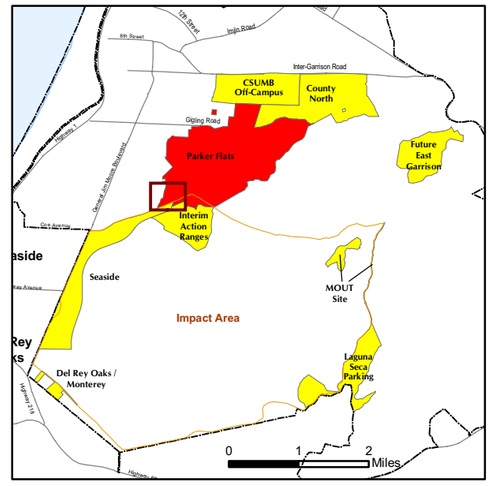
C2C6F2 — 100 Foot Grid System

5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 40

FORA ESCA RP
Monterey County, California

Appendix A

T:\Projects\Parker Flats\PF_EUC_Extension_Memo\Mapbooks\2010_07_06_PF_WA_III_QC2_DGM_Mapbook.mxd - 8/10/2010 @ 4:51:18 PM

C2C6J5 | C2C6J6 | C2C6J7 | C2C6J8 | C2C

C2C6I5 | C2C6I6 | C2C6I7 | C2C6I8 | C2C

C2C6H5 | C2C6H6 | C2C6H7 | C2C6H8 | C2C

C2C6G5 | C2C6G6 | C2C6G7 | C2C6G8 | C2C

5219
5218
5215
5217
5214
5201
5202
5252
5171
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5174
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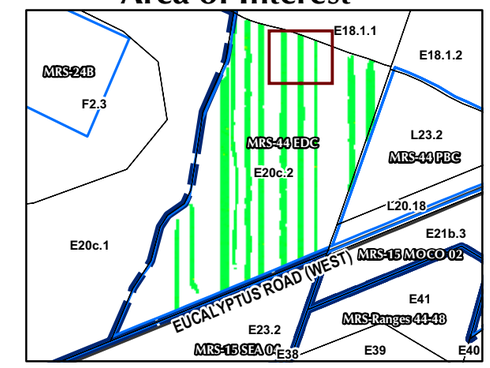
5161
5253

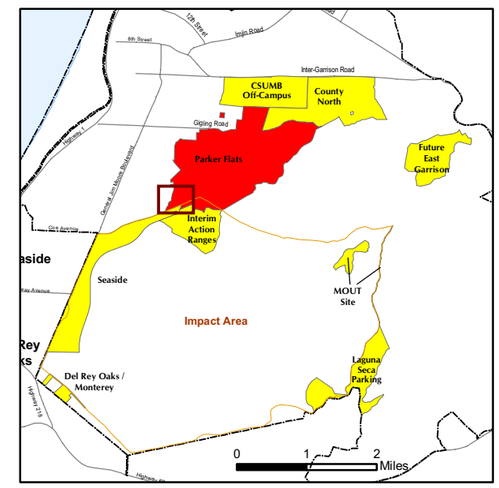
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C6F2 — 100 Foot Grid System
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 41

FORA ESCA RP
Monterey County, California

Appendix A

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C2B6I6 | C2B6I7 | C2B6I8 | C2B6I9

C2B6H6 | C2B6H7 | C2B6H8 | C2B6H9

C2B6G6 | C2B6G7 | C2B6G8 | C2B6G9

C2B6F6 | C2B6F7 | C2B6F8 | C2B6F9

5039 5256 5258 5257 5029 5024 5020 5022 5018 5017 5023 5011 5013 5010

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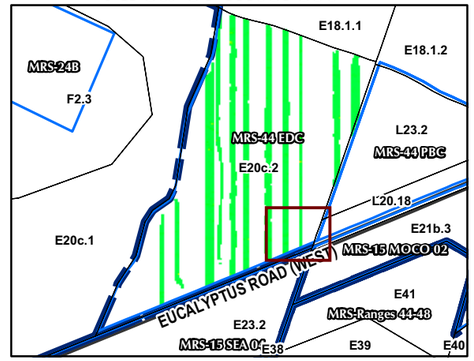
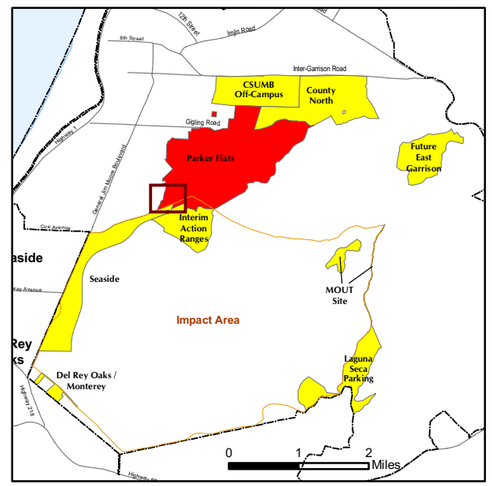
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 42

FORA ESCA RP
Monterey County, California

Appendix A

C2C6B7 | C2C6B8 | C2C6B9 | C2C6B0

C2C6A7 | C2C6A8 | C2C6A9 | C2C6A0

C2B6J7 | C2B6J8 | C2B6J9 | C2B6J0

C2B6I7 | C2B6I8 | C2B6I9 | C2B6I0

5071
5069
5066
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5259
5064
5052
5261

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Legend

MRA Boundary

Munitions Response Site (MRS)

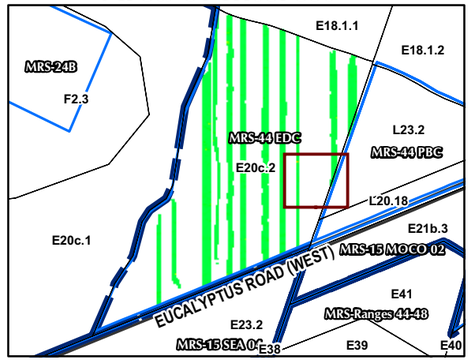
USACE Parcels

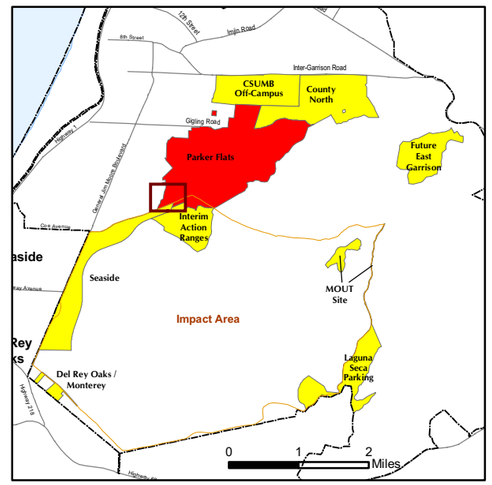
C2C8F2 — 100 Foot Grid System

5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 43

FORA ESCA RP
Monterey County, California

Appendix A

C2C6E9 | C2C6E0 | C2C7E1 | C2C7E2

C2C6D9 | C2C6D0 | C2C7D1 | C2C7D2

C2C6C9 | C2C6C0 | C2C7C1 | C2C7C2

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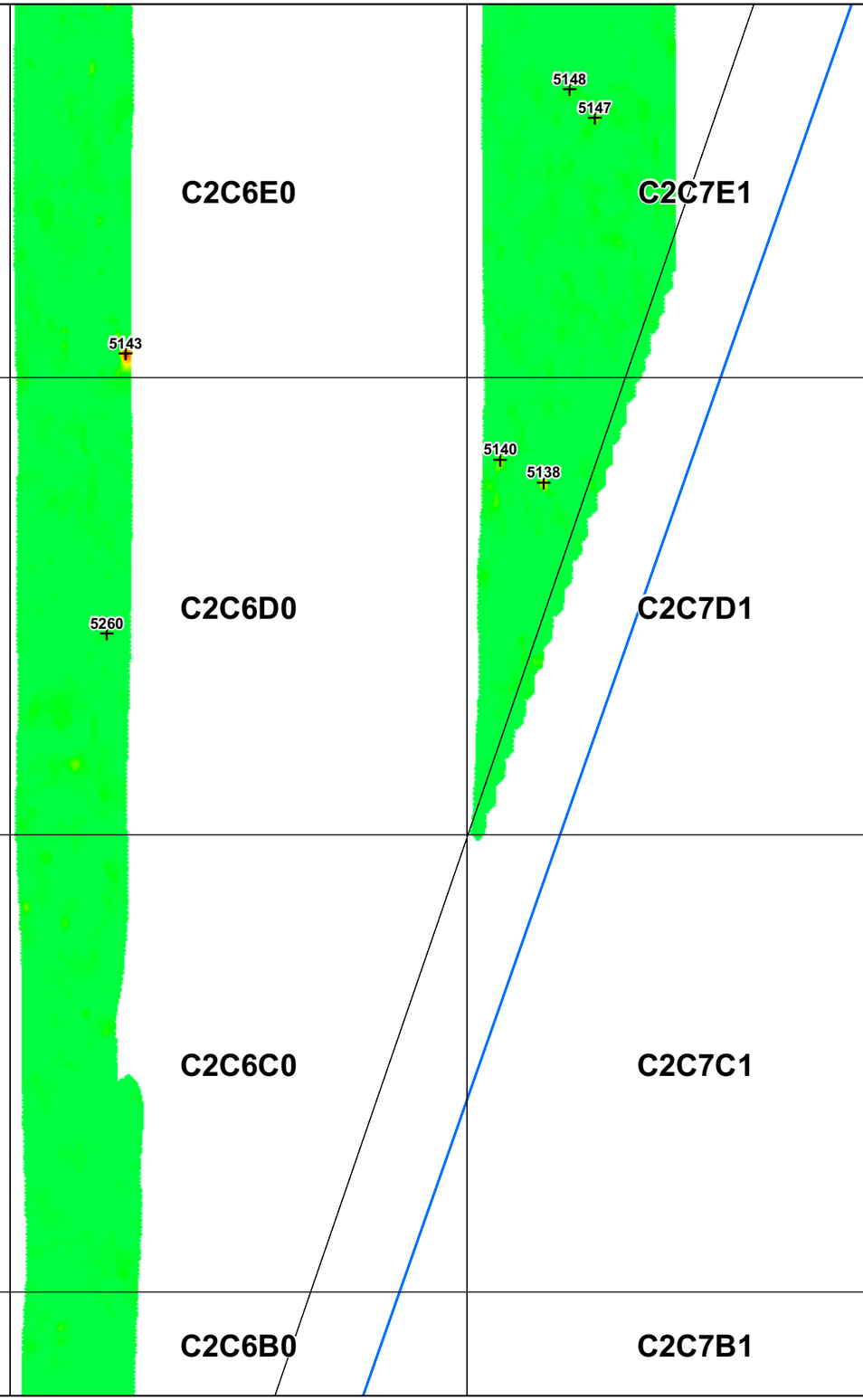
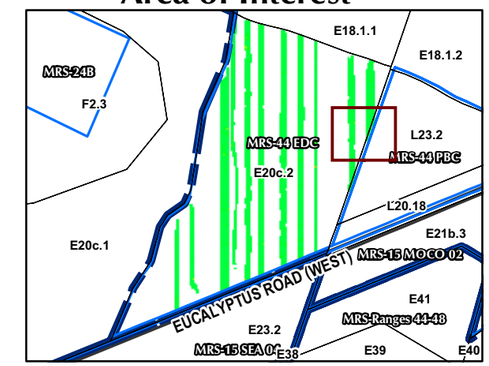


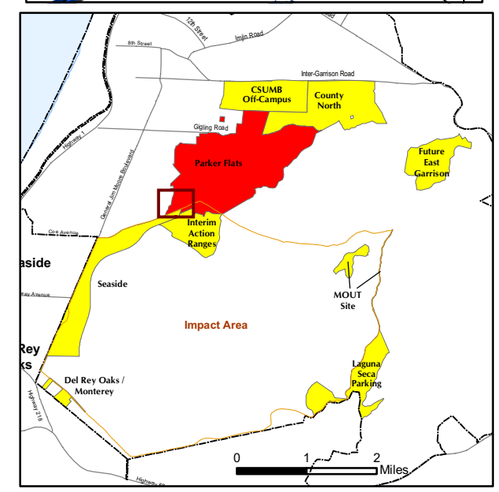
Legend

- MRA Boundary
- Munitions Response Site (MRS)
- USACE Parcels
- C2C8F2 — 100 Foot Grid System
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 44

FORA ESCA RP
Monterey County, California

Appendix A

T:\Projects\Parker Flats\PF_EUC_Extension_Memo\Mapbooks\2010_07_06_PF_WA_III_QC2_DGM_Mapbook.mxd - 8/10/2010 @ 4:51:18 PM

C2C6H9 | C2C6H0 | C2C7H1 | C2C7H2

C2C6G9 | C2C6G0 | C2C7G1 | C2C7G2

C2C6F9 | C2C6F0 | C2C7F1 | C2C7F2

C2C6E9 | C2C6E0 | C2C7E1 | C2C7E2

5179 5180 5177 5173 5184 5183 5181 5164

Legend

- MRA Boundary
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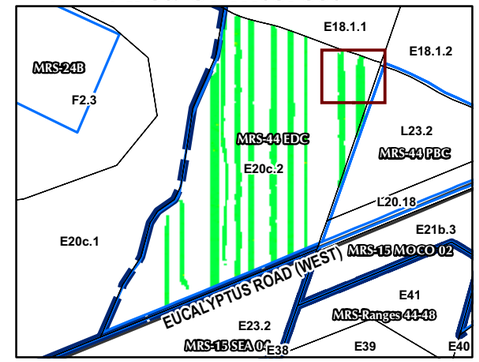
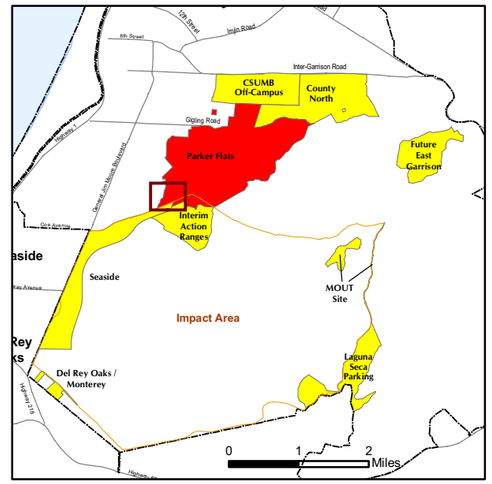
- 5144 — Target

Response
milliVolts (mV)
2.6 10.3 20.5 30.8 41.0 51.3 61.5 71.8 82.1 92.3

Area of Interest





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Parker Flats MRA - Work Area 3
Remedial Investigation DGM
QC-2
Mapbook Page 45

FORA ESCA RP
Monterey County, California

Appendix A

T:\Projects\Parker Flats\PF_EUC_Extension_Memo\Mapbooks\2010_07_06_PF_WA_III_QC2_DGM_Mapbook.mxd - 8/10/2010 @ 4:51:18 PM

Appendix B

Target Dig List

Project Site Name	Area Of Concern Name	Search Area ID	TargetNumber	Log Date	Northing	Easting
Parker Flats	E20c.2 - Housing Future	C2B5B6_E20c.2	1	12/4/2009 0:00	2123179.25	5740062
Parker Flats	E20c.2 - Housing Future	C2B5B6_E20c.2	2	12/4/2009 0:00	2123181.56	5740066.044
Parker Flats	E20c.2 - Housing Future	C2B5B6_E20c.2	3	12/4/2009 0:00	2123182.75	5740061.75
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Parker Flats	E20c.2 - Housing Future	C2B5B6_E20c.2	5	12/4/2009 0:00	2123182.75	5740078.75
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Parker Flats	E20c.2 - Housing Future	C2B5B6_E20c.2	7	12/4/2009 0:00	2123187.035	5740049.506
Parker Flats	E20c.2 - Housing Future	C2B5B6_E20c.2	8	12/4/2009 0:00	2123186	5740066.5
Parker Flats	E20c.2 - Housing Future	C2B5B6_E20c.2	9	12/4/2009 0:00	2123187.25	5740075
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Parker Flats	E20c.2 - Housing Future	C2B5B6_E20c.2	2001	1/14/2010 0:00	2123195.25	5740089.75
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Parker Flats	E20c.2 - Housing Future	C2B5C7	2005	1/14/2010 0:00	2123206	5740105.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2006	1/14/2010 0:00	2123207.75	5740104.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2010	1/14/2010 0:00	2123211.5	5740100.25
Parker Flats	E20c.2 - Housing Future	C2B5C7	2012	1/14/2010 0:00	2123213.25	5740103.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2013	1/14/2010 0:00	2123213.25	5740119
Parker Flats	E20c.2 - Housing Future	C2B5C7	2014	1/14/2010 0:00	2123215.281	5740121.833
Parker Flats	E20c.2 - Housing Future	C2B5C7	2015	1/14/2010 0:00	2123216.5	5740103.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2018	1/14/2010 0:00	2123221.25	5740116.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2019	1/14/2010 0:00	2123213.246	5740112.584
Parker Flats	E20c.2 - Housing Future	C2B5C7	2020	1/14/2010 0:00	2123210.885	5740121.125
Parker Flats	E20c.2 - Housing Future	C2B5C7	2022	1/14/2010 0:00	2123222.75	5740120
Parker Flats	E20c.2 - Housing Future	C2B5C7	2023	1/14/2010 0:00	2123223	5740141.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2025	1/14/2010 0:00	2123227.75	5740102
Parker Flats	E20c.2 - Housing Future	C2B5C7	2028	1/14/2010 0:00	2123229.75	5740104.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2029	1/14/2010 0:00	2123230.25	5740155.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2035	1/14/2010 0:00	2123287.981	5740167.34
Parker Flats	E20c.2 - Housing Future	C2B5C7	2036	1/14/2010 0:00	2123233.25	5740167.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2038	1/14/2010 0:00	2123234.25	5740129.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2039	1/14/2010 0:00	2123234.25	5740154.25
Parker Flats	E20c.2 - Housing Future	C2B5C7	2044	1/14/2010 0:00	2123236.006	5740131.993
Parker Flats	E20c.2 - Housing Future	C2B5C7	2046	1/14/2010 0:00	2123242.474	5740141.442
Parker Flats	E20c.2 - Housing Future	C2B5C7	2049	1/14/2010 0:00	2123237.295	5740170.114
Parker Flats	E20c.2 - Housing Future	C2B5C7	2050	1/14/2010 0:00	2123238.5	5740148.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2051	1/14/2010 0:00	2123238.75	5740152.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2063	1/14/2010 0:00	2123243.25	5740158
Parker Flats	E20c.2 - Housing Future	C2B5C7	2065	1/14/2010 0:00	2123244	5740155.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2072	1/14/2010 0:00	2123246.75	5740149.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2075	1/14/2010 0:00	2123247.75	5740127.25
Parker Flats	E20c.2 - Housing Future	C2B5C7	2076	1/14/2010 0:00	2123226.75	5740122.203
Parker Flats	E20c.2 - Housing Future	C2B5C7	2078	1/14/2010 0:00	2123248.75	5740164.25
Parker Flats	E20c.2 - Housing Future	C2B5C7	2080	1/14/2010 0:00	2123250.5	5740180.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2081	1/14/2010 0:00	2123260.233	5740180.844
Parker Flats	E20c.2 - Housing Future	C2B5C7	2082	1/14/2010 0:00	2123251.14	5740164.17
Parker Flats	E20c.2 - Housing Future	C2B5C7	2083	1/14/2010 0:00	2123254	5740153
Parker Flats	E20c.2 - Housing Future	C2B5C7	2084	1/14/2010 0:00	2123257.25	5740198.25
Parker Flats	E20c.2 - Housing Future	C2B5C7	2085	1/14/2010 0:00	2123257.5	5740114.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2086	1/14/2010 0:00	2123256.903	5740152.171
Parker Flats	E20c.2 - Housing Future	C2B5C7	2087	1/14/2010 0:00	2123259	5740117.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2088	1/14/2010 0:00	2123259.863	5740153.466
Parker Flats	E20c.2 - Housing Future	C2B5C7	2089	1/14/2010 0:00	2123259.25	5740178
Parker Flats	E20c.2 - Housing Future	C2B5C7	2090	1/14/2010 0:00	2123261	5740110
Parker Flats	E20c.2 - Housing Future	C2B5C7	2091	1/14/2010 0:00	2123264.25	5740180
Parker Flats	E20c.2 - Housing Future	C2B5C7	2092	1/14/2010 0:00	2123264.5	5740182.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2095	1/14/2010 0:00	2123266.75	5740196.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2097	1/14/2010 0:00	2123271	5740155.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2100	1/14/2010 0:00	2123273.5	5740149.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2101	1/14/2010 0:00	2123274.25	5740154.25
Parker Flats	E20c.2 - Housing Future	C2B5C7	2102	1/14/2010 0:00	2123274.25	5740157
Parker Flats	E20c.2 - Housing Future	C2B5C7	2108	1/14/2010 0:00	2123279.75	5740171.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2109	1/14/2010 0:00	2123279.75	5740174.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2110	1/14/2010 0:00	2123280.75	5740164.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2113	1/14/2010 0:00	2123283.5	5740177.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2114	1/14/2010 0:00	2123284.25	5740163
Parker Flats	E20c.2 - Housing Future	C2B5C7	2116	1/14/2010 0:00	2123286.25	5740165
Parker Flats	E20c.2 - Housing Future	C2B5C7	2120	1/14/2010 0:00	2123289.831	5740163.085
Parker Flats	E20c.2 - Housing Future	C2B5C7	2124	1/14/2010 0:00	2123292.5	5740180.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2127	1/14/2010 0:00	2123294.25	5740183.25
Parker Flats	E20c.2 - Housing Future	C2B5C7	2128	1/14/2010 0:00	2123295.75	5740182.75
Parker Flats	E20c.2 - Housing Future	C2B5C7	2129	1/14/2010 0:00	2123298	5740175.5
Parker Flats	E20c.2 - Housing Future	C2B5C7	2130	1/14/2010 0:00	2123289.091	5740159.94
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	1	12/1/2009 0:00	2123233.5	5740210.25
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2	12/1/2009 0:00	2123234.5	5740213

Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	3	12/1/2009 0:00	2123236.5	5740211.5
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	4	12/1/2009 0:00	2123255	5740216.25
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	5	12/1/2009 0:00	2123279	5740282
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	6	12/1/2009 0:00	2123283.508	5740286.882
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	7	12/1/2009 0:00	2123286.25	5740250.25
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	8	12/1/2009 0:00	2123297.75	5740259.5
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	9	12/1/2009 0:00	2123298.75	5740203.25
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	10	12/1/2009 0:00	2123299.75	5740200
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	11	12/1/2009 0:00	2123299.196	5740296.885
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	1027	12/14/2009 0:00	2123265.603	5740255.048
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	1028	12/14/2009 0:00	2123286.502	5740279.928
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	1051	12/14/2009 0:00	2123252.5	5740257.5
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	1052	12/14/2009 0:00	2123272.37	5740284.705
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	1053	12/14/2009 0:00	2123285.25	5740286
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	1054	12/14/2009 0:00	2123286.75	5740284
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2093	1/14/2010 0:00	2123264.711	5740247.794
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2094	1/14/2010 0:00	2123266.25	5740250.25
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2096	1/14/2010 0:00	2123269.75	5740244.5
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2098	1/14/2010 0:00	2123272.571	5740243.897
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2099	1/14/2010 0:00	2123272.75	5740278.25
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2103	1/14/2010 0:00	2123274.25	5740280.5
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2104	1/14/2010 0:00	2123277.25	5740251.5
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2105	1/14/2010 0:00	2123277.75	5740268
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2106	1/14/2010 0:00	2123277.75	5740280.75
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2107	1/14/2010 0:00	2123279	5740253.75
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2112	1/14/2010 0:00	2123282.359	5740292.617
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2115	1/14/2010 0:00	2123284.559	5740294.487
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2117	1/14/2010 0:00	2123286.75	5740279
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2118	1/14/2010 0:00	2123287.25	5740251
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2119	1/14/2010 0:00	2123288	5740281.75
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2121	1/14/2010 0:00	2123289.75	5740250
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2125	1/14/2010 0:00	2123292.791	5740231.345
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2126	1/14/2010 0:00	2123293.5	5740280.75
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2131	1/14/2010 0:00	2123299.5	5740293.75
Parker Flats	E20c.2 - Housing Future	C2B5C8_E20c.2	2133	1/14/2010 0:00	2123300	5740300
Parker Flats	E20c.2 - Housing Future	C2B5C9_E20c.2	2	12/1/2009 0:00	2123277.04	5740307.352
Parker Flats	E20c.2 - Housing Future	C2B5C9_E20c.2	3	12/1/2009 0:00	2123280.25	5740307
Parker Flats	E20c.2 - Housing Future	C2B5C9_E20c.2	5	12/1/2009 0:00	2123283.258	5740307.1
Parker Flats	E20c.2 - Housing Future	C2B5C9_E20c.2	2026	1/14/2010 0:00	2123289.831	5740304.97
Parker Flats	E20c.2 - Housing Future	C2B5C9_E20c.2	2122	1/14/2010 0:00	2123291.127	5740308.351
Parker Flats	E20c.2 - Housing Future	C2B5C9_E20c.2	2132	1/14/2010 0:00	2123299.75	5740307.5
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	1	12/1/2009 0:00	2123330.311	5740432.86
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	2	12/1/2009 0:00	2123337.25	5740445
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	3	12/1/2009 0:00	2123345.138	5740473.851
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	4	12/1/2009 0:00	2123345.25	5740483.75
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	5	12/1/2009 0:00	2123346.406	5740480.742
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	6	12/1/2009 0:00	2123348.556	5740480.411
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	7	12/1/2009 0:00	2123348.501	5740482.396
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	8	12/1/2009 0:00	2123349.75	5740476.25
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	9	12/1/2009 0:00	2123350.25	5740491
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	10	12/1/2009 0:00	2123350.75	5740479.25
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	11	12/1/2009 0:00	2123352	5740467.75
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	12	12/1/2009 0:00	2123352	5740488.75
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	13	12/1/2009 0:00	2123353.683	5740482.451
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	14	12/1/2009 0:00	2123353.75	5740491.75
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	15	12/1/2009 0:00	2123355.667	5740480.742
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	17	12/1/2009 0:00	2123356.25	5740484
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	18	12/1/2009 0:00	2123356.439	5740478.206
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	19	12/1/2009 0:00	2123357.762	5740482.671
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	20	12/1/2009 0:00	2123359.306	5740471.921
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	21	12/1/2009 0:00	2123359.75	5740480.25
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	22	12/1/2009 0:00	2123391.5	5740479.75
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	23	12/1/2009 0:00	2123395.75	5740497.75
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	25	12/1/2009 0:00	2123347.957	5740428.672
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	1056	12/14/2009 0:00	2123345.5	5740474
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	1060	12/14/2009 0:00	2123399.5	5740499.25
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	2145	1/14/2010 0:00	2123333	5740420.75
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	2149	1/14/2010 0:00	2123367.984	5740499.07
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	2158	1/14/2010 0:00	2123389.25	5740484.25
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	2282	1/14/2010 0:00	2123394.103	5740404.789
Parker Flats	E20c.2 - Housing Future	C2B5D0_E20c.2	5229	2/9/2009 0:00	2123388.956	5740406.83
Parker Flats	E20c.2 - Housing Future	C2B5D7	6	11/17/2009 0:00	2123316.25	5740172.75
Parker Flats	E20c.2 - Housing Future	C2B5D7	7	11/17/2009 0:00	2123316.25	5740175.25
Parker Flats	E20c.2 - Housing Future	C2B5D7	10	11/17/2009 0:00	2123318.54	5740167.53
Parker Flats	E20c.2 - Housing Future	C2B5D7	11	11/17/2009 0:00	2123324.25	5740184.25

Parker Flats	E20c.2 - Housing Future	C2B5D7	2134	1/14/2010 0:00	2123300.5	5740199.75
Parker Flats	E20c.2 - Housing Future	C2B5D8	2	12/1/2009 0:00	2123325.959	5740240.314
Parker Flats	E20c.2 - Housing Future	C2B5D8	3	12/1/2009 0:00	2123300	5740259.25
Parker Flats	E20c.2 - Housing Future	C2B5D8	5	12/1/2009 0:00	2123302.198	5740258.071
Parker Flats	E20c.2 - Housing Future	C2B5D8	6	12/1/2009 0:00	2123303.75	5740261.25
Parker Flats	E20c.2 - Housing Future	C2B5D8	7	12/1/2009 0:00	2123308.5	5740279.75
Parker Flats	E20c.2 - Housing Future	C2B5D8	8	12/1/2009 0:00	2123309.25	5740283.25
Parker Flats	E20c.2 - Housing Future	C2B5D8	9	12/1/2009 0:00	2123310.75	5740257.75
Parker Flats	E20c.2 - Housing Future	C2B5D8	10	12/1/2009 0:00	2123316	5740233.75
Parker Flats	E20c.2 - Housing Future	C2B5D8	11	12/1/2009 0:00	2123316.5	5740267.75
Parker Flats	E20c.2 - Housing Future	C2B5D8	12	12/1/2009 0:00	2123320.5	5740211.5
Parker Flats	E20c.2 - Housing Future	C2B5D8	13	12/1/2009 0:00	2123321.631	5740213.995
Parker Flats	E20c.2 - Housing Future	C2B5D8	14	12/1/2009 0:00	2123321	5740238
Parker Flats	E20c.2 - Housing Future	C2B5D8	15	12/1/2009 0:00	2123323.968	5740237.024
Parker Flats	E20c.2 - Housing Future	C2B5D8	16	12/1/2009 0:00	2123322.669	5740240.66
Parker Flats	E20c.2 - Housing Future	C2B5D8	17	12/1/2009 0:00	2123338.08	5740230.271
Parker Flats	E20c.2 - Housing Future	C2B5D8	18	12/1/2009 0:00	2123330.25	5740261
Parker Flats	E20c.2 - Housing Future	C2B5D8	19	12/1/2009 0:00	2123331	5740264.5
Parker Flats	E20c.2 - Housing Future	C2B5D8	20	12/1/2009 0:00	2123332	5740214
Parker Flats	E20c.2 - Housing Future	C2B5D8	21	12/1/2009 0:00	2123332.75	5740259.25
Parker Flats	E20c.2 - Housing Future	C2B5D8	22	12/1/2009 0:00	2123333	5740268
Parker Flats	E20c.2 - Housing Future	C2B5D8	23	12/1/2009 0:00	2123336	5740257.5
Parker Flats	E20c.2 - Housing Future	C2B5D8	24	12/1/2009 0:00	2123337.25	5740239
Parker Flats	E20c.2 - Housing Future	C2B5D8	25	12/1/2009 0:00	2123337.25	5740284.75
Parker Flats	E20c.2 - Housing Future	C2B5D8	26	12/1/2009 0:00	2123345.525	5740285.679
Parker Flats	E20c.2 - Housing Future	C2B5D8	41	12/1/2009 0:00	2123354.962	5740263.429
Parker Flats	E20c.2 - Housing Future	C2B5D8	42	12/1/2009 0:00	2123370.113	5740298.579
Parker Flats	E20c.2 - Housing Future	C2B5D8	43	12/1/2009 0:00	2123342.495	5740286.718
Parker Flats	E20c.2 - Housing Future	C2B5D8	44	12/1/2009 0:00	2123345.699	5740288.19
Parker Flats	E20c.2 - Housing Future	C2B5D8	45	12/1/2009 0:00	2123344.313	5740283.255
Parker Flats	E20c.2 - Housing Future	C2B5D8	1055	12/14/2009 0:00	2123300.75	5740299.75
Parker Flats	E20c.2 - Housing Future	C2B5D8	2059	1/14/2010 0:00	2123339.037	5740254.098
Parker Flats	E20c.2 - Housing Future	C2B5D8	2135	1/14/2010 0:00	2123302.25	5740295.25
Parker Flats	E20c.2 - Housing Future	C2B5D8	2137	1/14/2010 0:00	2123306.5	5740281.5
Parker Flats	E20c.2 - Housing Future	C2B5D8	2141	1/14/2010 0:00	2123312.25	5740276
Parker Flats	E20c.2 - Housing Future	C2B5D8	2142	1/14/2010 0:00	2123317.25	5740291.25
Parker Flats	E20c.2 - Housing Future	C2B5D9	1	12/1/2009 0:00	2123300.5	5740300.25
Parker Flats	E20c.2 - Housing Future	C2B5D9	2	12/1/2009 0:00	2123321.5	5740367
Parker Flats	E20c.2 - Housing Future	C2B5D9	3	12/1/2009 0:00	2123330	5740304
Parker Flats	E20c.2 - Housing Future	C2B5D9	4	12/1/2009 0:00	2123339	5740325.25
Parker Flats	E20c.2 - Housing Future	C2B5D9	5	12/1/2009 0:00	2123353.75	5740318.5
Parker Flats	E20c.2 - Housing Future	C2B5D9	6	12/1/2009 0:00	2123356.465	5740319.113
Parker Flats	E20c.2 - Housing Future	C2B5D9	7	12/1/2009 0:00	2123359.129	5740318.606
Parker Flats	E20c.2 - Housing Future	C2B5D9	8	12/1/2009 0:00	2123371.111	5740302.015
Parker Flats	E20c.2 - Housing Future	C2B5D9	10	12/1/2009 0:00	2123377	5740311.5
Parker Flats	E20c.2 - Housing Future	C2B5D9	11	12/1/2009 0:00	2123389.25	5740342.5
Parker Flats	E20c.2 - Housing Future	C2B5D9	12	12/1/2009 0:00	2123389.5	5740352.5
Parker Flats	E20c.2 - Housing Future	C2B5D9	13	12/1/2009 0:00	2123393.5	5740355.5
Parker Flats	E20c.2 - Housing Future	C2B5D9	14	12/1/2009 0:00	2123358.968	5740321.96
Parker Flats	E20c.2 - Housing Future	C2B5D9	15	12/1/2009 0:00	2123394.175	5740351.241
Parker Flats	E20c.2 - Housing Future	C2B5D9	16	12/1/2009 0:00	2123399.75	5740399.75
Parker Flats	E20c.2 - Housing Future	C2B5D9	2031	1/14/2010 0:00	2123382.509	5740348.257
Parker Flats	E20c.2 - Housing Future	C2B5D9	2136	1/14/2010 0:00	2123304	5740337.25
Parker Flats	E20c.2 - Housing Future	C2B5D9	2138	1/14/2010 0:00	2123309.25	5740317.25
Parker Flats	E20c.2 - Housing Future	C2B5D9	2139	1/14/2010 0:00	2123311.75	5740303.25
Parker Flats	E20c.2 - Housing Future	C2B5D9	2140	1/14/2010 0:00	2123312	5740326.75
Parker Flats	E20c.2 - Housing Future	C2B5D9	2143	1/14/2010 0:00	2123322.75	5740338
Parker Flats	E20c.2 - Housing Future	C2B5D9	2144	1/14/2010 0:00	2123324.25	5740341
Parker Flats	E20c.2 - Housing Future	C2B5D9	2147	1/14/2010 0:00	2123340.5	5740370
Parker Flats	E20c.2 - Housing Future	C2B5D9	2148	1/14/2010 0:00	2123362.5	5740334
Parker Flats	E20c.2 - Housing Future	C2B5D9	2151	1/14/2010 0:00	2123370.5	5740357
Parker Flats	E20c.2 - Housing Future	C2B5D9	2152	1/14/2010 0:00	2123372.5	5740358
Parker Flats	E20c.2 - Housing Future	C2B5D9	2154	1/14/2010 0:00	2123377.5	5740335.5
Parker Flats	E20c.2 - Housing Future	C2B5D9	2162	1/14/2010 0:00	2123392.25	5740399
Parker Flats	E20c.2 - Housing Future	C2B5D9	2166	1/14/2010 0:00	2123399.25	5740400
Parker Flats	E20c.2 - Housing Future	C2B5E0	13	11/17/2009 0:00	2123431.21	5740450.57
Parker Flats	E20c.2 - Housing Future	C2B5E0	14	11/17/2009 0:00	2123433	5740451.75
Parker Flats	E20c.2 - Housing Future	C2B5E0	16	11/17/2009 0:00	2123435	5740450.75
Parker Flats	E20c.2 - Housing Future	C2B5E0	18	11/17/2009 0:00	2123436.25	5740453
Parker Flats	E20c.2 - Housing Future	C2B5E0	19	11/17/2009 0:00	2123437.5	5740456
Parker Flats	E20c.2 - Housing Future	C2B5E0	20	11/17/2009 0:00	2123438.5	5740474
Parker Flats	E20c.2 - Housing Future	C2B5E0	21	11/17/2009 0:00	2123439.75	5740460.5
Parker Flats	E20c.2 - Housing Future	C2B5E0	29	11/17/2009 0:00	2123445.75	5740487.25
Parker Flats	E20c.2 - Housing Future	C2B5E0	2168	1/14/2010 0:00	2123400.25	5740500
Parker Flats	E20c.2 - Housing Future	C2B5E0	2283	1/14/2010 0:00	2123430.934	5740484.135

Parker Flats	E20c.2 - Housing Future	C2B5E0	5000	2/9/2009 0:00	2123402	5740405.75
Parker Flats	E20c.2 - Housing Future	C2B5E9	5	11/17/2009 0:00	2123401.75	5740392
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	1	12/1/2009 0:00	2123359.25	5740510.5
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2	12/1/2009 0:00	2123361.75	5740511.5
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	3	12/1/2009 0:00	2123370.25	5740519
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	4	12/1/2009 0:00	2123370.5	5740535
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	5	12/1/2009 0:00	2123379.25	5740552
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	6	12/1/2009 0:00	2123380.566	5740526.157
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	7	12/1/2009 0:00	2123385.5	5740579.25
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	8	12/1/2009 0:00	2123396.5	5740598.25
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	9	12/1/2009 0:00	2123399.068	5740500.216
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	10	12/1/2009 0:00	2123398.75	5740516.75
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	1057	12/14/2009 0:00	2123378.75	5740561.75
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	1061	12/14/2009 0:00	2123399.5	5740599.5
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	1084	12/14/2009 0:00	2123395.234	5740530.242
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2150	1/14/2010 0:00	2123385.654	5740540.828
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2153	1/14/2010 0:00	2123377.25	5740526.25
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2157	1/14/2010 0:00	2123383.75	5740574
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2160	1/14/2010 0:00	2123390.25	5740524.25
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2161	1/14/2010 0:00	2123391.75	5740521
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2165	1/14/2010 0:00	2123399.57	5740500.342
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2181	1/14/2010 0:00	2123391.943	5740596.324
Parker Flats	E20c.2 - Housing Future	C2B6D1_E20c.2	2285	1/14/2010 0:00	2123399	5740600
Parker Flats	E20c.2 - Housing Future	C2B6D2_E20c.2	1	12/1/2009 0:00	2123395.5	5740608.75
Parker Flats	E20c.2 - Housing Future	C2B6D2_E20c.2	2	12/1/2009 0:00	2123396.002	5740606.097
Parker Flats	E20c.2 - Housing Future	C2B6D2_E20c.2	3	12/1/2009 0:00	2123397.5	5740602.5
Parker Flats	E20c.2 - Housing Future	C2B6D2_E20c.2	4	12/1/2009 0:00	2123397.921	5740608.928
Parker Flats	E20c.2 - Housing Future	C2B6D2_E20c.2	5	12/1/2009 0:00	2123399.25	5740612.25
Parker Flats	E20c.2 - Housing Future	C2B6D2_E20c.2	6	12/1/2009 0:00	2123399.5	5740600
Parker Flats	E20c.2 - Housing Future	C2B6D2_E20c.2	7	12/1/2009 0:00	2123399.84	5740606.049
Parker Flats	E20c.2 - Housing Future	C2B6D2_E20c.2	2164	1/14/2010 0:00	2123398.75	5740616.5
Parker Flats	E20c.2 - Housing Future	C2B6E1	4	12/1/2009 0:00	2123435.75	5740581.25
Parker Flats	E20c.2 - Housing Future	C2B6E1	5	12/1/2009 0:00	2123436	5740505.25
Parker Flats	E20c.2 - Housing Future	C2B6E1	6	12/1/2009 0:00	2123443.846	5740545.265
Parker Flats	E20c.2 - Housing Future	C2B6E1	7	12/1/2009 0:00	2123445.346	5740540.148
Parker Flats	E20c.2 - Housing Future	C2B6E1	8	12/1/2009 0:00	2123446.5	5740537.25
Parker Flats	E20c.2 - Housing Future	C2B6E1	10	12/1/2009 0:00	2123448.53	5740514.587
Parker Flats	E20c.2 - Housing Future	C2B6E1	11	12/1/2009 0:00	2123451.25	5740518
Parker Flats	E20c.2 - Housing Future	C2B6E1	14	12/1/2009 0:00	2123453.5	5740514
Parker Flats	E20c.2 - Housing Future	C2B6E1	17	12/1/2009 0:00	2123455	5740503.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	18	12/1/2009 0:00	2123455	5740518
Parker Flats	E20c.2 - Housing Future	C2B6E1	19	12/1/2009 0:00	2123454.377	5740552.146
Parker Flats	E20c.2 - Housing Future	C2B6E1	20	12/1/2009 0:00	2123456.75	5740521.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	21	12/1/2009 0:00	2123456.75	5740527.25
Parker Flats	E20c.2 - Housing Future	C2B6E1	22	12/1/2009 0:00	2123457	5740565.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	23	12/1/2009 0:00	2123458	5740533.25
Parker Flats	E20c.2 - Housing Future	C2B6E1	25	12/1/2009 0:00	2123461.75	5740519.25
Parker Flats	E20c.2 - Housing Future	C2B6E1	27	12/1/2009 0:00	2123463.25	5740523
Parker Flats	E20c.2 - Housing Future	C2B6E1	29	12/1/2009 0:00	2123463.75	5740583.5
Parker Flats	E20c.2 - Housing Future	C2B6E1	30	12/1/2009 0:00	2123464	5740525.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	31	12/1/2009 0:00	2123464.032	5740586.781
Parker Flats	E20c.2 - Housing Future	C2B6E1	32	12/1/2009 0:00	2123464.5	5740548
Parker Flats	E20c.2 - Housing Future	C2B6E1	33	12/1/2009 0:00	2123465	5740581
Parker Flats	E20c.2 - Housing Future	C2B6E1	35	12/1/2009 0:00	2123467.25	5740528
Parker Flats	E20c.2 - Housing Future	C2B6E1	36	12/1/2009 0:00	2123467.5	5740564
Parker Flats	E20c.2 - Housing Future	C2B6E1	37	12/1/2009 0:00	2123467.93	5740549.4
Parker Flats	E20c.2 - Housing Future	C2B6E1	38	12/1/2009 0:00	2123468.75	5740543.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	39	12/1/2009 0:00	2123470.75	5740549.5
Parker Flats	E20c.2 - Housing Future	C2B6E1	41	12/1/2009 0:00	2123471.25	5740567.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	46	12/1/2009 0:00	2123475	5740563.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	49	12/1/2009 0:00	2123477	5740547.5
Parker Flats	E20c.2 - Housing Future	C2B6E1	50	12/1/2009 0:00	2123477	5740566
Parker Flats	E20c.2 - Housing Future	C2B6E1	52	12/1/2009 0:00	2123478	5740569.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	55	12/1/2009 0:00	2123487.5	5740579.5
Parker Flats	E20c.2 - Housing Future	C2B6E1	58	12/1/2009 0:00	2123491.957	5740599.887
Parker Flats	E20c.2 - Housing Future	C2B6E1	61	12/1/2009 0:00	2123493.75	5740597.5
Parker Flats	E20c.2 - Housing Future	C2B6E1	63	12/1/2009 0:00	2123497	5740598.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	2170	1/14/2010 0:00	2123403.25	5740516.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	2171	1/14/2010 0:00	2123411.5	5740545.25
Parker Flats	E20c.2 - Housing Future	C2B6E1	2172	1/14/2010 0:00	2123413	5740537.75
Parker Flats	E20c.2 - Housing Future	C2B6E1	2176	1/14/2010 0:00	2123421.25	5740533.25
Parker Flats	E20c.2 - Housing Future	C2B6E1	2179	1/14/2010 0:00	2123422.73	5740537.296
Parker Flats	E20c.2 - Housing Future	C2B6E1	2185	1/14/2010 0:00	2123469.75	5740587.5
Parker Flats	E20c.2 - Housing Future	C2B6E1	2286	1/14/2010 0:00	2123439.25	5740592.5
Parker Flats	E20c.2 - Housing Future	C2B6E1	2287	1/14/2010 0:00	2123440.5	5740598

Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	1	12/1/2009 0:00	2123402.671	5740608.176
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2	12/1/2009 0:00	2123400	5740612.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	3	12/1/2009 0:00	2123400.75	5740606.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	4	12/1/2009 0:00	2123401.842	5740617.781
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	5	12/1/2009 0:00	2123401.577	5740604.302
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	6	12/1/2009 0:00	2123493.277	5740652.749
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	7	12/1/2009 0:00	2123404.019	5740603.46
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	8	12/1/2009 0:00	2123404.75	5740605.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	9	12/1/2009 0:00	2123406.75	5740624.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	10	12/1/2009 0:00	2123408.398	5740627.041
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	11	12/1/2009 0:00	2123435.25	5740688.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	12	12/1/2009 0:00	2123439	5740698
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	13	12/1/2009 0:00	2123484.777	5740631.584
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	14	12/1/2009 0:00	2123487.839	5740631.146
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	15	12/1/2009 0:00	2123454.5	5740670.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	16	12/1/2009 0:00	2123455.391	5740673.023
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	17	12/1/2009 0:00	2123459.5	5740658.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	18	12/1/2009 0:00	2123460.95	5740661.401
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	19	12/1/2009 0:00	2123464.5	5740662.75
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	20	12/1/2009 0:00	2123473.75	5740685.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	21	12/1/2009 0:00	2123479	5740606
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	22	12/1/2009 0:00	2123484.75	5740627.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	23	12/1/2009 0:00	2123485.25	5740685.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	24	12/1/2009 0:00	2123489.151	5740634.427
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	25	12/1/2009 0:00	2123487.815	5740624.683
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	26	12/1/2009 0:00	2123489.75	5740644.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	27	12/1/2009 0:00	2123491.5	5740631.75
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	28	12/1/2009 0:00	2123492	5740600
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	29	12/1/2009 0:00	2123492.194	5740635.378
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	30	12/1/2009 0:00	2123496	5740604
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	31	12/1/2009 0:00	2123496	5740624
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	32	12/1/2009 0:00	2123490.173	5740628.725
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	33	12/1/2009 0:00	2123497.25	5740607.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	34	12/1/2009 0:00	2123497.5	5740647
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	35	12/1/2009 0:00	2123499	5740651.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	37	12/1/2009 0:00	2123499.75	5740654.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	38	12/1/2009 0:00	2123499.942	5740699.636
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	39	12/1/2009 0:00	2123495.816	5740644.221
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	40	12/1/2009 0:00	2123494.216	5740645.99
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	41	12/1/2009 0:00	2123495.732	5740648.853
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	42	12/1/2009 0:00	2123492.784	5740648.095
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	43	12/1/2009 0:00	2123488.32	5740639.842
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	44	12/1/2009 0:00	2123486.468	5740635.631
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	1062	12/14/2009 0:00	2123405.75	5740637.75
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	1063	12/14/2009 0:00	2123440.75	5740695
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	1085	12/14/2009 0:00	2123421.051	5740663.076
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2167	1/14/2010 0:00	2123400	5740619.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2173	1/14/2010 0:00	2123413.25	5740603
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2174	1/14/2010 0:00	2123415.25	5740605.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2175	1/14/2010 0:00	2123415.25	5740609
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2177	1/14/2010 0:00	2123421.25	5740614
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2178	1/14/2010 0:00	2123423.391	5740611.678
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2180	1/14/2010 0:00	2123423.25	5740622.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2182	1/14/2010 0:00	2123433.25	5740619
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2183	1/14/2010 0:00	2123454.25	5740687.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2189	1/14/2010 0:00	2123489.75	5740645.25
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	2195	1/14/2010 0:00	2123498	5740697.5
Parker Flats	E20c.2 - Housing Future	C2B6E2_E20c.2	5234	2/9/2009 0:00	2123427.992	5740691.189
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	1	12/1/2009 0:00	2123440	5740703.75
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2	12/1/2009 0:00	2123441.5	5740700.5
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	3	12/1/2009 0:00	2123451.25	5740736
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	4	12/1/2009 0:00	2123456.25	5740713.5
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	5	12/1/2009 0:00	2123457.859	5740743.676
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	6	12/1/2009 0:00	2123449.299	5740733.061
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	7	12/1/2009 0:00	2123458.116	5740725.357
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	8	12/1/2009 0:00	2123460.75	5740743
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	9	12/1/2009 0:00	2123495.78	5740709.949
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	10	12/1/2009 0:00	2123498.348	5740712.86
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	12	12/1/2009 0:00	2123498.348	5740790.585
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	1064	12/14/2009 0:00	2123451.5	5740736.25
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	1065	12/14/2009 0:00	2123452.5	5740725.75
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	1067	12/14/2009 0:00	2123489.321	5740787.475
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	1086	12/14/2009 0:00	2123448.519	5740716.418
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2184	1/14/2010 0:00	2123467.75	5740754.25
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2186	1/14/2010 0:00	2123469.638	5740740.983

Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2187	1/14/2010 0:00	2123470.5	5740753.75
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2188	1/14/2010 0:00	2123478.25	5740763.25
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2190	1/14/2010 0:00	2123490.5	5740744
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2191	1/14/2010 0:00	2123492.75	5740749.25
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2192	1/14/2010 0:00	2123495.359	5740791.01
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2193	1/14/2010 0:00	2123495.649	5740794.874
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	2205	1/14/2010 0:00	2123495.166	5740763.182
Parker Flats	E20c.2 - Housing Future	C2B6E3_E20c.2	5003	2/9/2009 0:00	2123499.75	5740799.75
Parker Flats	E20c.2 - Housing Future	C2B6E4_E20c.2	1	12/1/2009 0:00	2123483.25	5740814.75
Parker Flats	E20c.2 - Housing Future	C2B6E4_E20c.2	2	12/1/2009 0:00	2123486	5740816.5
Parker Flats	E20c.2 - Housing Future	C2B6E4_E20c.2	3	12/1/2009 0:00	2123497.25	5740816.5
Parker Flats	E20c.2 - Housing Future	C2B6E4_E20c.2	4	12/1/2009 0:00	2123498.75	5740855.75
Parker Flats	E20c.2 - Housing Future	C2B6E4_E20c.2	5	12/1/2009 0:00	2123499.491	5740858.908
Parker Flats	E20c.2 - Housing Future	C2B6E4_E20c.2	6	12/1/2009 0:00	2123500	5740800
Parker Flats	E20c.2 - Housing Future	C2B6E4_E20c.2	1066	12/14/2009 0:00	2123484.5	5740817.25
Parker Flats	E20c.2 - Housing Future	C2B6E4_E20c.2	2194	1/14/2010 0:00	2123497.75	5740817
Parker Flats	E20c.2 - Housing Future	C2B6F2	1	12/2/2009 0:00	2123503.736	5740649.18
Parker Flats	E20c.2 - Housing Future	C2B6F2	2	12/2/2009 0:00	2123501.431	5740621.173
Parker Flats	E20c.2 - Housing Future	C2B6F2	3	12/2/2009 0:00	2123507.664	5740646.191
Parker Flats	E20c.2 - Housing Future	C2B6F2	5	12/2/2009 0:00	2123504.078	5740644.483
Parker Flats	E20c.2 - Housing Future	C2B6F2	6	12/2/2009 0:00	2123503.5	5740633.5
Parker Flats	E20c.2 - Housing Future	C2B6F2	7	12/2/2009 0:00	2123506.554	5740641.666
Parker Flats	E20c.2 - Housing Future	C2B6F2	8	12/2/2009 0:00	2123509.798	5740643.971
Parker Flats	E20c.2 - Housing Future	C2B6F2	9	12/2/2009 0:00	2123506.75	5740626.25
Parker Flats	E20c.2 - Housing Future	C2B6F2	10	12/2/2009 0:00	2123507	5740634.75
Parker Flats	E20c.2 - Housing Future	C2B6F2	13	12/2/2009 0:00	2123509.036	5740639.558
Parker Flats	E20c.2 - Housing Future	C2B6F2	14	12/2/2009 0:00	2123506.981	5740658.572
Parker Flats	E20c.2 - Housing Future	C2B6F2	15	12/2/2009 0:00	2123512.25	5740649.25
Parker Flats	E20c.2 - Housing Future	C2B6F2	16	12/2/2009 0:00	2123513.25	5740671.25
Parker Flats	E20c.2 - Housing Future	C2B6F2	20	12/2/2009 0:00	2123521.838	5740661.902
Parker Flats	E20c.2 - Housing Future	C2B6F2	22	12/2/2009 0:00	2123522.405	5740668.641
Parker Flats	E20c.2 - Housing Future	C2B6F2	24	12/2/2009 0:00	2123504.248	5740620.916
Parker Flats	E20c.2 - Housing Future	C2B6F2	25	12/2/2009 0:00	2123524.4	5740674.027
Parker Flats	E20c.2 - Housing Future	C2B6F2	28	12/2/2009 0:00	2123525.185	5740688.49
Parker Flats	E20c.2 - Housing Future	C2B6F2	71	12/2/2009 0:00	2123501.658	5740630.483
Parker Flats	E20c.2 - Housing Future	C2B6F2	87	12/2/2009 0:00	2123506.959	5740630.483
Parker Flats	E20c.2 - Housing Future	C2B6F2	89	12/2/2009 0:00	2123506.174	5740637.459
Parker Flats	E20c.2 - Housing Future	C2B6F2	90	12/2/2009 0:00	2123503.502	5740637.777
Parker Flats	E20c.2 - Housing Future	C2B6F2	92	12/2/2009 0:00	2123505.665	5740623.465
Parker Flats	E20c.2 - Housing Future	C2B6F2	93	12/2/2009 0:00	2123502.739	5740624.801
Parker Flats	E20c.2 - Housing Future	C2B6F2	94	12/2/2009 0:00	2123503.757	5740628.236
Parker Flats	E20c.2 - Housing Future	C2B6F2	5235	2/9/2009 0:00	2123515.164	5740666.847
Parker Flats	E20c.2 - Housing Future	C2B6F3	4	12/2/2009 0:00	2123502.25	5740715.25
Parker Flats	E20c.2 - Housing Future	C2B6F3	5	12/2/2009 0:00	2123506.434	5740706.909
Parker Flats	E20c.2 - Housing Future	C2B6F3	6	12/2/2009 0:00	2123515.844	5740759.602
Parker Flats	E20c.2 - Housing Future	C2B6F3	7	12/2/2009 0:00	2123521.465	5740737.816
Parker Flats	E20c.2 - Housing Future	C2B6F3	8	12/2/2009 0:00	2123523.75	5740768.25
Parker Flats	E20c.2 - Housing Future	C2B6F3	9	12/2/2009 0:00	2123528.25	5740705
Parker Flats	E20c.2 - Housing Future	C2B6F3	10	12/2/2009 0:00	2123529.25	5740702
Parker Flats	E20c.2 - Housing Future	C2B6F3	11	12/2/2009 0:00	2123530.75	5740726.25
Parker Flats	E20c.2 - Housing Future	C2B6F3	12	12/2/2009 0:00	2123531.25	5740721
Parker Flats	E20c.2 - Housing Future	C2B6F3	13	12/2/2009 0:00	2123533.5	5740707.25
Parker Flats	E20c.2 - Housing Future	C2B6F3	14	12/2/2009 0:00	2123534.25	5740702.25
Parker Flats	E20c.2 - Housing Future	C2B6F3	15	12/2/2009 0:00	2123539.75	5740799
Parker Flats	E20c.2 - Housing Future	C2B6F3	16	12/2/2009 0:00	2123544.061	5740741.024
Parker Flats	E20c.2 - Housing Future	C2B6F3	17	12/2/2009 0:00	2123547.052	5740755.38
Parker Flats	E20c.2 - Housing Future	C2B6F3	18	12/2/2009 0:00	2123547.53	5740751.512
Parker Flats	E20c.2 - Housing Future	C2B6F3	19	12/2/2009 0:00	2123545.447	5740753.776
Parker Flats	E20c.2 - Housing Future	C2B6F3	20	12/2/2009 0:00	2123550.985	5740742.376
Parker Flats	E20c.2 - Housing Future	C2B6F3	21	12/2/2009 0:00	2123532.642	5740730.971
Parker Flats	E20c.2 - Housing Future	C2B6F3	22	12/2/2009 0:00	2123551.316	5740746.514
Parker Flats	E20c.2 - Housing Future	C2B6F3	24	12/2/2009 0:00	2123552.25	5740782.5
Parker Flats	E20c.2 - Housing Future	C2B6F3	26	12/2/2009 0:00	2123553	5740769
Parker Flats	E20c.2 - Housing Future	C2B6F3	28	12/2/2009 0:00	2123553.25	5740771
Parker Flats	E20c.2 - Housing Future	C2B6F3	30	12/2/2009 0:00	2123556.624	5740743.958
Parker Flats	E20c.2 - Housing Future	C2B6F3	32	12/2/2009 0:00	2123564	5740786
Parker Flats	E20c.2 - Housing Future	C2B6F3	35	12/2/2009 0:00	2123569.5	5740783
Parker Flats	E20c.2 - Housing Future	C2B6F3	38	12/2/2009 0:00	2123567.994	5740776.069
Parker Flats	E20c.2 - Housing Future	C2B6F3	2196	1/14/2010 0:00	2123500	5740799.75
Parker Flats	E20c.2 - Housing Future	C2B6F3	2197	1/14/2010 0:00	2123500.5	5740700
Parker Flats	E20c.2 - Housing Future	C2B6F3	2200	1/14/2010 0:00	2123512.5	5740750
Parker Flats	E20c.2 - Housing Future	C2B6F3	2206	1/14/2010 0:00	2123524.5	5740764
Parker Flats	E20c.2 - Housing Future	C2B6F3	2208	1/14/2010 0:00	2123530.5	5740797.25
Parker Flats	E20c.2 - Housing Future	C2B6F3	2211	1/14/2010 0:00	2123536.25	5740777.25
Parker Flats	E20c.2 - Housing Future	C2B6F3	2284	1/14/2010 0:00	2123524.314	5740740.373

Parker Flats	E20c.2 - Housing Future	C2B6F4	4	12/2/2009 0:00	2123505	5740866.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	5	12/2/2009 0:00	2123509.25	5740863
Parker Flats	E20c.2 - Housing Future	C2B6F4	6	12/2/2009 0:00	2123511.5	5740878.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	7	12/2/2009 0:00	2123513.236	5740881.13
Parker Flats	E20c.2 - Housing Future	C2B6F4	9	12/2/2009 0:00	2123527.75	5740825.75
Parker Flats	E20c.2 - Housing Future	C2B6F4	10	12/2/2009 0:00	2123534.226	5740840.624
Parker Flats	E20c.2 - Housing Future	C2B6F4	11	12/2/2009 0:00	2123555.19	5740834.115
Parker Flats	E20c.2 - Housing Future	C2B6F4	12	12/2/2009 0:00	2123545.75	5740821
Parker Flats	E20c.2 - Housing Future	C2B6F4	13	12/2/2009 0:00	2123551.75	5740824
Parker Flats	E20c.2 - Housing Future	C2B6F4	14	12/2/2009 0:00	2123556.458	5740836.566
Parker Flats	E20c.2 - Housing Future	C2B6F4	16	12/2/2009 0:00	2123567	5740810.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	19	12/2/2009 0:00	2123571.75	5740801
Parker Flats	E20c.2 - Housing Future	C2B6F4	20	12/2/2009 0:00	2123572.75	5740812.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	23	12/2/2009 0:00	2123574.5	5740817.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	24	12/2/2009 0:00	2123576	5740802.75
Parker Flats	E20c.2 - Housing Future	C2B6F4	25	12/2/2009 0:00	2123576.246	5740819.038
Parker Flats	E20c.2 - Housing Future	C2B6F4	27	12/2/2009 0:00	2123577.5	5740820.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	28	12/2/2009 0:00	2123578.25	5740816.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	29	12/2/2009 0:00	2123578.985	5740850.995
Parker Flats	E20c.2 - Housing Future	C2B6F4	30	12/2/2009 0:00	2123579.317	5740831.488
Parker Flats	E20c.2 - Housing Future	C2B6F4	31	12/2/2009 0:00	2123580.5	5740824
Parker Flats	E20c.2 - Housing Future	C2B6F4	32	12/2/2009 0:00	2123580.5	5740844
Parker Flats	E20c.2 - Housing Future	C2B6F4	34	12/2/2009 0:00	2123582.25	5740821.75
Parker Flats	E20c.2 - Housing Future	C2B6F4	35	12/2/2009 0:00	2123582.25	5740827.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	36	12/2/2009 0:00	2123583.75	5740823
Parker Flats	E20c.2 - Housing Future	C2B6F4	37	12/2/2009 0:00	2123585.896	5740865.618
Parker Flats	E20c.2 - Housing Future	C2B6F4	38	12/2/2009 0:00	2123585.5	5740842.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	39	12/2/2009 0:00	2123587.25	5740846.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	41	12/2/2009 0:00	2123589.75	5740827
Parker Flats	E20c.2 - Housing Future	C2B6F4	42	12/2/2009 0:00	2123588.272	5740849.14
Parker Flats	E20c.2 - Housing Future	C2B6F4	43	12/2/2009 0:00	2123595.25	5740863.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	44	12/2/2009 0:00	2123596	5740858.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	46	12/2/2009 0:00	2123597.5	5740882.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	1069	12/14/2009 0:00	2123500	5740800.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	1070	12/14/2009 0:00	2123512	5740878.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	1071	12/14/2009 0:00	2123513.25	5740881.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	1073	12/14/2009 0:00	2123516	5740889
Parker Flats	E20c.2 - Housing Future	C2B6F4	2198	1/14/2010 0:00	2123504.5	5740837.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	2199	1/14/2010 0:00	2123507.75	5740836.25
Parker Flats	E20c.2 - Housing Future	C2B6F4	2201	1/14/2010 0:00	2123514.75	5740867
Parker Flats	E20c.2 - Housing Future	C2B6F4	2202	1/14/2010 0:00	2123518.5	5740886.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	2203	1/14/2010 0:00	2123518.391	5740823.056
Parker Flats	E20c.2 - Housing Future	C2B6F4	2204	1/14/2010 0:00	2123522.25	5740841.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	2207	1/14/2010 0:00	2123526	5740843.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	2213	1/14/2010 0:00	2123538.638	5740851.605
Parker Flats	E20c.2 - Housing Future	C2B6F4	2214	1/14/2010 0:00	2123541.043	5740849.016
Parker Flats	E20c.2 - Housing Future	C2B6F4	2215	1/14/2010 0:00	2123543.5	5740897.5
Parker Flats	E20c.2 - Housing Future	C2B6F4	2216	1/14/2010 0:00	2123546	5740833
Parker Flats	E20c.2 - Housing Future	C2B6F4	2279	1/14/2010 0:00	2123542.502	5740884.759
Parker Flats	E20c.2 - Housing Future	C2B6F4	5004	2/9/2009 0:00	2123564.45	5740815.958
Parker Flats	E20c.2 - Housing Future	C2B6F4	5005	2/9/2009 0:00	2123571.099	5740816.143
Parker Flats	E20c.2 - Housing Future	C2B6F4	5007	2/9/2009 0:00	2123576.272	5740815.958
Parker Flats	E20c.2 - Housing Future	C2B6F4	5008	2/9/2009 0:00	2123577.842	5740812.818
Parker Flats	E20c.2 - Housing Future	C2B6F4	5012	2/9/2009 0:00	2123594.5	5740879
Parker Flats	E20c.2 - Housing Future	C2B6F4	5244	2/9/2009 0:00	2123525.523	5740810.229
Parker Flats	E20c.2 - Housing Future	C2B6F4	5251	2/9/2009 0:00	2123543.576	5740885.505
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	1	12/2/2009 0:00	2123537.5	5740939
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2	12/2/2009 0:00	2123542.25	5740961.25
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	3	12/2/2009 0:00	2123544.276	5740966.009
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	4	12/2/2009 0:00	2123548.388	5740969.448
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	6	12/2/2009 0:00	2123546.893	5740959.878
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	7	12/2/2009 0:00	2123546.22	5740962.196
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	9	12/2/2009 0:00	2123547.5	5740966.5
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	10	12/2/2009 0:00	2123548.5	5740976
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	11	12/2/2009 0:00	2123549.21	5740963.99
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	12	12/2/2009 0:00	2123550.25	5740958.5
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	13	12/2/2009 0:00	2123550.182	5740967.279
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	14	12/2/2009 0:00	2123550.78	5740972.737
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	15	12/2/2009 0:00	2123551.5	5740965.25
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	16	12/2/2009 0:00	2123552.5	5740969.25
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	17	12/2/2009 0:00	2123554.171	5740954.643
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	18	12/2/2009 0:00	2123551.167	5740961.286
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	19	12/2/2009 0:00	2123595.203	5740963.369
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	1072	12/14/2009 0:00	2123515	5740900.5
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	1074	12/14/2009 0:00	2123539.75	5740959.75

Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	1087	12/14/2009 0:00	2123552.615	5740910.082
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2209	1/14/2010 0:00	2123532	5740903.5
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2210	1/14/2010 0:00	2123594.406	5740968.96
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2212	1/14/2010 0:00	2123538.5	5740907.25
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2218	1/14/2010 0:00	2123578.5	5740995.5
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2219	1/14/2010 0:00	2123578.75	5740941
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2223	1/14/2010 0:00	2123591.238	5740967.693
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2224	1/14/2010 0:00	2123592.018	5740971.251
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2225	1/14/2010 0:00	2123598.062	5740957.019
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2226	1/14/2010 0:00	2123596.454	5740954.63
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2280	1/14/2010 0:00	2123547.495	5740953.547
Parker Flats	E20c.2 - Housing Future	C2B6F5_E20c.2	2281	1/14/2010 0:00	2123549.015	5740951.521
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	1	12/2/2009 0:00	2123562.25	5741005.75
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	2	12/2/2009 0:00	2123562.75	5741002.25
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	3	12/2/2009 0:00	2123563.5	5741014
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	4	12/2/2009 0:00	2123575	5741036.5
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	5	12/2/2009 0:00	2123575.5	5741033.75
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	6	12/2/2009 0:00	2123580.5	5741031.75
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	7	12/2/2009 0:00	2123581.75	5741034.5
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	8	12/2/2009 0:00	2123581.75	5741052
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	9	12/2/2009 0:00	2123598.75	5741004
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	1075	12/14/2009 0:00	2123575.5	5741034.5
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	2217	1/14/2010 0:00	2123578.25	5741036.75
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	2221	1/14/2010 0:00	2123580	5741041
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	2222	1/14/2010 0:00	2123585	5741001.25
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	2227	1/14/2010 0:00	2123599.25	5741036.25
Parker Flats	E20c.2 - Housing Future	C2B6F6_E20c.2	2228	1/14/2010 0:00	2123599.75	5741011.75
Parker Flats	E20c.2 - Housing Future	C2B6F7_E20c.2	5010	2/9/2009 0:00	2123592.739	5741113.241
Parker Flats	E20c.2 - Housing Future	C2B6F7_E20c.2	5013	2/9/2009 0:00	2123595.75	5741112.25
Parker Flats	E20c.2 - Housing Future	C2B6G4	5015	2/9/2009 0:00	2123616.5	5740890.5
Parker Flats	E20c.2 - Housing Future	C2B6G5	1	12/2/2009 0:00	2123600	5740900.5
Parker Flats	E20c.2 - Housing Future	C2B6G5	3	12/2/2009 0:00	2123610.884	5740908.041
Parker Flats	E20c.2 - Housing Future	C2B6G5	9	12/2/2009 0:00	2123624.25	5740978.75
Parker Flats	E20c.2 - Housing Future	C2B6G5	12	12/2/2009 0:00	2123632.25	5740954.75
Parker Flats	E20c.2 - Housing Future	C2B6G5	15	12/2/2009 0:00	2123638	5740962.25
Parker Flats	E20c.2 - Housing Future	C2B6G5	17	12/2/2009 0:00	2123638.75	5740949.5
Parker Flats	E20c.2 - Housing Future	C2B6G5	21	12/2/2009 0:00	2123642.25	5740978
Parker Flats	E20c.2 - Housing Future	C2B6G5	28	12/2/2009 0:00	2123655.5	5740999.25
Parker Flats	E20c.2 - Housing Future	C2B6G5	30	12/2/2009 0:00	2123656.75	5740997
Parker Flats	E20c.2 - Housing Future	C2B6G5	1078	12/14/2009 0:00	2123602	5740997
Parker Flats	E20c.2 - Housing Future	C2B6G5	2229	1/14/2010 0:00	2123600.25	5740901.25
Parker Flats	E20c.2 - Housing Future	C2B6G5	2248	1/14/2010 0:00	2123634.5	5740992.75
Parker Flats	E20c.2 - Housing Future	C2B6G6	2	12/3/2009 0:00	2123600	5741000.25
Parker Flats	E20c.2 - Housing Future	C2B6G6	4	12/3/2009 0:00	2123647.803	5741037.944
Parker Flats	E20c.2 - Housing Future	C2B6G6	5	12/3/2009 0:00	2123654.75	5741001
Parker Flats	E20c.2 - Housing Future	C2B6G6	6	12/3/2009 0:00	2123654.75	5741005
Parker Flats	E20c.2 - Housing Future	C2B6G6	7	12/3/2009 0:00	2123656.146	5741005.516
Parker Flats	E20c.2 - Housing Future	C2B6G6	8	12/3/2009 0:00	2123656	5741038.5
Parker Flats	E20c.2 - Housing Future	C2B6G6	9	12/3/2009 0:00	2123652.95	5741029.824
Parker Flats	E20c.2 - Housing Future	C2B6G6	12	12/3/2009 0:00	2123657.75	5741005
Parker Flats	E20c.2 - Housing Future	C2B6G6	14	12/3/2009 0:00	2123659	5741003.25
Parker Flats	E20c.2 - Housing Future	C2B6G6	16	12/3/2009 0:00	2123660.692	5741006.828
Parker Flats	E20c.2 - Housing Future	C2B6G6	18	12/3/2009 0:00	2123663	5741094.75
Parker Flats	E20c.2 - Housing Future	C2B6G6	19	12/3/2009 0:00	2123672.25	5741043.25
Parker Flats	E20c.2 - Housing Future	C2B6G6	22	12/3/2009 0:00	2123680.152	5741054.367
Parker Flats	E20c.2 - Housing Future	C2B6G6	24	12/3/2009 0:00	2123681.75	5741057
Parker Flats	E20c.2 - Housing Future	C2B6G6	31	12/3/2009 0:00	2123667.545	5741089.603
Parker Flats	E20c.2 - Housing Future	C2B6G6	1076	12/14/2009 0:00	2123600	5741000.25
Parker Flats	E20c.2 - Housing Future	C2B6G6	2220	1/14/2010 0:00	2123659.619	5741081.544
Parker Flats	E20c.2 - Housing Future	C2B6G6	2230	1/14/2010 0:00	2123600.25	5741000.25
Parker Flats	E20c.2 - Housing Future	C2B6G6	2232	1/14/2010 0:00	2123613.25	5741008.25
Parker Flats	E20c.2 - Housing Future	C2B6G6	2233	1/14/2010 0:00	2123621.815	5741094.107
Parker Flats	E20c.2 - Housing Future	C2B6G6	2235	1/14/2010 0:00	2123624.75	5741087
Parker Flats	E20c.2 - Housing Future	C2B6G6	2237	1/14/2010 0:00	2123625.75	5741098.75
Parker Flats	E20c.2 - Housing Future	C2B6G6	2238	1/14/2010 0:00	2123627	5741088.75
Parker Flats	E20c.2 - Housing Future	C2B6G6	2241	1/14/2010 0:00	2123627.25	5741097.25
Parker Flats	E20c.2 - Housing Future	C2B6G6	2243	1/14/2010 0:00	2123628.549	5741082.165
Parker Flats	E20c.2 - Housing Future	C2B6G6	2244	1/14/2010 0:00	2123630.801	5741089.008
Parker Flats	E20c.2 - Housing Future	C2B6G6	2250	1/14/2010 0:00	2123637.99	5741088.488
Parker Flats	E20c.2 - Housing Future	C2B6G6	2252	1/14/2010 0:00	2123639.75	5741098
Parker Flats	E20c.2 - Housing Future	C2B6G6	2255	1/14/2010 0:00	2123643	5741091
Parker Flats	E20c.2 - Housing Future	C2B6G6	2256	1/14/2010 0:00	2123645.5	5741093
Parker Flats	E20c.2 - Housing Future	C2B6G6	5029	2/9/2009 0:00	2123644.5	5741021
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	1	12/3/2009 0:00	2123600.75	5741100
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2	12/3/2009 0:00	2123617.145	5741124.532

Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	3	12/3/2009 0:00	2123620.015	5741116.757
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	4	12/3/2009 0:00	2123621.218	5741119.256
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5	12/3/2009 0:00	2123623.439	5741121.662
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	6	12/3/2009 0:00	2123623.75	5741148.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	7	12/3/2009 0:00	2123635.196	5741151.998
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	9	12/3/2009 0:00	2123644.821	5741199.506
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	10	12/3/2009 0:00	2123687.326	5741136.443
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	11	12/3/2009 0:00	2123675.25	5741106.5
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	12	12/3/2009 0:00	2123695	5741196.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	13	12/3/2009 0:00	2123699.5	5741172.25
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	14	12/3/2009 0:00	2123699.75	5741100.25
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	1077	12/14/2009 0:00	2123600.75	5741100.25
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	1079	12/14/2009 0:00	2123605.5	5741116.25
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	1080	12/14/2009 0:00	2123625.75	5741140.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	1081	12/14/2009 0:00	2123662.5	5741180.5
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2231	1/14/2010 0:00	2123600.75	5741100.25
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2234	1/14/2010 0:00	2123622.861	5741100.162
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2236	1/14/2010 0:00	2123625	5741168
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2239	1/14/2010 0:00	2123627	5741106.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2240	1/14/2010 0:00	2123627	5741170.5
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2245	1/14/2010 0:00	2123622.312	5741107.891
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2246	1/14/2010 0:00	2123632.5	5741103.25
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2251	1/14/2010 0:00	2123638.5	5741105.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2253	1/14/2010 0:00	2123641	5741107.25
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2254	1/14/2010 0:00	2123642.75	5741160
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2257	1/14/2010 0:00	2123650.5	5741137
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2258	1/14/2010 0:00	2123652.75	5741185.5
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2259	1/14/2010 0:00	2123657	5741182.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2260	1/14/2010 0:00	2123658.25	5741139.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2261	1/14/2010 0:00	2123659.75	5741179.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2263	1/14/2010 0:00	2123663	5741123.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2264	1/14/2010 0:00	2123664.528	5741178.878
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2265	1/14/2010 0:00	2123665	5741126
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2270	1/14/2010 0:00	2123670.25	5741161
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2274	1/14/2010 0:00	2123680.5	5741136.25
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	2275	1/14/2010 0:00	2123682.25	5741149.5
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5011	2/9/2009 0:00	2123601.268	5741101.491
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5017	2/9/2009 0:00	2123620.25	5741110.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5018	2/9/2009 0:00	2123621.75	5741101.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5020	2/9/2009 0:00	2123627.119	5741108.715
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5022	2/9/2009 0:00	2123628	5741112.5
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5023	2/9/2009 0:00	2123621.722	5741112.806
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5024	2/9/2009 0:00	2123631.25	5741105.75
Parker Flats	E20c.2 - Housing Future	C2B6G7_E20c.2	5025	2/9/2009 0:00	2123632.341	5741101.491
Parker Flats	E20c.2 - Housing Future	C2B6H7	4	12/3/2009 0:00	2123700.5	5741167.25
Parker Flats	E20c.2 - Housing Future	C2B6H7	5	12/3/2009 0:00	2123701.201	5741171.68
Parker Flats	E20c.2 - Housing Future	C2B6H7	5258	2/9/2009 0:00	2123715.375	5741133.521
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	2	12/3/2009 0:00	2123649.75	5741219
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	3	12/3/2009 0:00	2123653.75	5741205.5
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	4	12/3/2009 0:00	2123671.653	5741251.079
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	5	12/3/2009 0:00	2123673	5741267
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	7	12/3/2009 0:00	2123685.41	5741279.651
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	8	12/3/2009 0:00	2123685.816	5741283.747
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	1082	12/14/2009 0:00	2123667.5	5741254
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	2268	1/14/2010 0:00	2123668.75	5741206.5
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	2269	1/14/2010 0:00	2123669.746	5741209.999
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	2271	1/14/2010 0:00	2123672	5741207.75
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	2272	1/14/2010 0:00	2123672.75	5741202
Parker Flats	E20c.2 - Housing Future	C2B6G8_E20c.2	2273	1/14/2010 0:00	2123676	5741205.75
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	1	12/3/2009 0:00	2123707	5741274.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	2	12/3/2009 0:00	2123708.25	5741205.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	3	12/3/2009 0:00	2123715.776	5741284.188
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	4	12/3/2009 0:00	2123716.759	5741287.728
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	5	12/3/2009 0:00	2123719	5741286.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	6	12/3/2009 0:00	2123720.5	5741278.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	8	12/3/2009 0:00	2123724.25	5741290.75
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	10	12/3/2009 0:00	2123725.413	5741288.613
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	11	12/3/2009 0:00	2123737.41	5741248.393
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	12	12/3/2009 0:00	2123730	5741220.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	13	12/3/2009 0:00	2123730.133	5741285.27
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	14	12/3/2009 0:00	2123730.5	5741288.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	15	12/3/2009 0:00	2123733.25	5741264.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	16	12/3/2009 0:00	2123733.75	5741229.75
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	17	12/3/2009 0:00	2123736	5741243.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	18	12/3/2009 0:00	2123737.5	5741253.5

Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	19	12/3/2009 0:00	2123740	5741246.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	20	12/3/2009 0:00	2123740.25	5741253.25
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	21	12/3/2009 0:00	2123740.25	5741256.75
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	22	12/3/2009 0:00	2123744	5741228
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	24	12/3/2009 0:00	2123745.081	5741263.734
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	25	12/3/2009 0:00	2123745.5	5741269
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	27	12/3/2009 0:00	2123747.75	5741286.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	28	12/3/2009 0:00	2123749	5741274.75
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	30	12/3/2009 0:00	2123750.25	5741226.75
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	31	12/3/2009 0:00	2123751.079	5741282.811
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	32	12/3/2009 0:00	2123751.5	5741272.25
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	33	12/3/2009 0:00	2123755.5	5741267.75
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	35	12/3/2009 0:00	2123756.75	5741270.25
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	37	12/3/2009 0:00	2123759	5741265.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	38	12/3/2009 0:00	2123760.5	5741268.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	41	12/3/2009 0:00	2123762.25	5741264.25
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	42	12/3/2009 0:00	2123764.257	5741266.684
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	43	12/3/2009 0:00	2123767.25	5741263
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	44	12/3/2009 0:00	2123767.5	5741277.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	47	12/3/2009 0:00	2123768.25	5741264.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	48	12/3/2009 0:00	2123768.25	5741280
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	49	12/3/2009 0:00	2123751.768	5741286.351
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	52	12/3/2009 0:00	2123768.977	5741290.482
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	53	12/3/2009 0:00	2123769.75	5741283.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	63	12/3/2009 0:00	2123776.549	5741283.205
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	89	12/3/2009 0:00	2123755.996	5741234.33
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	2276	1/14/2010 0:00	2123735	5741249.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	2277	1/14/2010 0:00	2123738.5	5741248.5
Parker Flats	E20c.2 - Housing Future	C2B6H8_E20c.2	2278	1/14/2010 0:00	2123744.5	5741264.5
Parker Flats	E20c.2 - Housing Future	C2B6H9_E20c.2	1	12/3/2009 0:00	2123726.435	5741301.018
Parker Flats	E20c.2 - Housing Future	C2B6H9_E20c.2	2	12/3/2009 0:00	2123753.75	5741309.75
Parker Flats	E20c.2 - Housing Future	C2B6H9_E20c.2	3	12/3/2009 0:00	2123774.238	5741309.223
Parker Flats	E20c.2 - Housing Future	C2B6H9_E20c.2	4	12/3/2009 0:00	2123779	5741304.25
Parker Flats	E20c.2 - Housing Future	C2B6H9_E20c.2	5	12/3/2009 0:00	2123783.5	5741304
Parker Flats	E20c.2 - Housing Future	C2B6H9_E20c.2	8	12/3/2009 0:00	2123768.053	5741303.816
Parker Flats	E20c.2 - Housing Future	C2B6H9_E20c.2	1083	12/14/2009 0:00	2123737.75	5741302

ResponseChannelID	ResponseAmplitude	ResponseAmplitudeUnits	DigPriorityCode	Channel1	Channel2
Stack	310.059814	mV	1	121.703117	98.280448
Stack	648.453524	mV	1	352.503059	209.100751
Stack	72.098297	mV	1	33.05318	22.112583
Stack	23.473226	mV	1	10.453643	7.651614
Stack	35.353885	mV	1	15.473837	11.491373
Stack	28.305192	mV	1	12.60016	9.158817
Stack	22.093309	mV	5	9.331246	7.009829
Stack	21.46993	mV	1	12.950314	5.607858
Stack	23.934051	mV	1	8.837006	7.38242
Stack	579.228247	mV	1	311.956987	179.876597
Stack	354.169603	mV	1	43.380789	31.022703
Stack	223.571228	mV	1	174.217514	44.622299
Stack	117.968277	mV	1	49.972381	38.19347
Stack	50.262428	mV	1	22.510911	16.414613
Stack	59.914948	mV	1	30.416543	19.171056
Stack	26.807132	mV	5	24.166486	2.534786
Stack	145.822581	mV	1	62.436182	46.185509
Stack	114.02787	mV	1	48.910469	37.729183
Stack	65.125923	mV	1	28.71422	21.469768
Stack	100.149253	mV	1	46.78064	30.271292
Stack	24.47326	mV	1	12.191072	6.792365
Stack	20.173791	mV	1	9.48929	7.101485
Stack	25.567306	mV	1	12.504956	6.982679
Stack	24.415653	mV	1	13.295595	7.516375
Stack	87.649688	mV	1	38.489822	27.707946
Stack	237.437469	mV	1	97.722595	73.941368
Stack	23.052453	mV	1	10.887201	7.896834
Stack	117.636311	mV	1	47.483602	36.482405
Stack	20.981891	mV	1	20.468072	1.132419
Stack	53.73804	mV	1	32.313781	17.777429
Stack	90.953529	mV	1	41.731246	29.108036
Stack	63.931087	mV	1	29.868652	18.487579
Stack	44.565277	mV	1	19.534791	14.549575
Stack	199.821468	mV	1	82.910291	61.628015
Stack	31.091945	mV	1	14.427454	9.987267
Stack	138.074111	mV	1	54.496234	42.948921
Stack	388.142502	mV	1	156.38813	116.966843
Stack	723.454393	mV	1	288.744345	214.896169
Stack	22.818918	mV	1	11.283082	7.917776
Stack	21.293167	mV	1	11.993101	6.750001
Stack	43.142356	mV	1	18.996356	13.470648
Stack	331.016143	mV	1	182.966171	105.10897
Stack	184.571885	mV	1	92.92003	57.552086
Stack	6.464813	mV	1	1.574637	2.610496
Stack	774.512593	mV	1	346.62051	242.124253
Stack	27.605688	mV	1	15.450737	9.035357
Stack	35.667274	mV	1	18.381677	11.339579
Stack	15.936164	mV	1	6.863408	5.568007
Stack	58.016441	mV	1	26.999109	17.942319
Stack	23.162652	mV	1	16.677812	6.613982
Stack	27.17608	mV	1	16.740663	7.322257
Stack	48.199577	mV	1	23.863138	15.43257
Stack	596.414567	mV	1	252.135847	177.232745
Stack	1208.59668	mV	1	501.842193	360.133483
Stack	74.869468	mV	1	39.203289	22.41908
Stack	45.552848	mV	1	27.627992	13.704916
Stack	112.798332	mV	1	48.494045	35.079177
Stack	17.948722	mV	1	12.491635	4.71697
Stack	1010.893799	mV	4	400.950927	304.500396
Stack	60.787361	mV	1	38.460666	18.670846
Stack	82.41529	mV	1	54.451328	24.838083
Stack	353560.5	mV	1	104043.9792	107560.1123
Stack	480.166748	mV	1	254.973907	155.761245
Stack	443.991699	mV	1	240.561737	142.136367
Stack	95.840583	mV	1	52.399753	30.160532
Stack	100.737599	mV	1	64.790844	27.422208
Stack	263501.0938	mV	1	105503.2266	77808.8125
Stack	56.065193	mV	1	27.704133	17.44404
Stack	31.870368	mV	1	15.609957	10.458322
Stack	28.485514	mV	1	12.578755	9.937983
Stack	64929.24787	mV	1	37526.13372	16900.47894
Stack	166.508326	mV	1	64.798975	48.220139
Stack	20.144234	mV	1	16.263705	5.065412

Stack	328.066176	mV	1	177.611254	105.624961
Stack	97.85548	mV	1	43.313692	32.303214
Stack	99.464607	mV	1	61.811496	30.75538
Stack	45.979111	mV	1	26.709084	13.64719
Stack	412456.4205	mV	1	106787.081	106731.1042
Stack	46.981941	mV	1	24.935579	13.660898
Stack	49.779304	mV	1	30.784151	16.532297
Stack	22.755867	mV	1	14.744845	7.923105
Stack	21.505134	mV	1	6.476046	5.51777
Stack	68.518179	mV	1	31.206718	22.744404
Stack	1131.822144	mV	4	444.582153	338.262878
Stack	655.200622	mV	4	257.435363	197.196563
Stack	28.694696	mV	1	16.770738	9.578574
Stack	50.099784	mV	1	29.715776	15.594786
Stack	21.81698	mV	1	13.433855	5.458609
Stack	84.929649	mV	1	38.133983	25.306806
Stack	81.625633	mV	1	33.743831	25.953107
Stack	348.655304	mV	1	151.052642	106.76081
Stack	284.48292	mV	1	121.789549	86.213619
Stack	47.767265	mV	1	24.78267	15.405806
Stack	66.889884	mV	1	34.644771	21.129499
Stack	37.609541	mV	1	31.410718	7.560487
Stack	30.233803	mV	1	15.2278	9.356793
Stack	25.100244	mV	1	11.193559	8.838553
Stack	618.821594	mV	1	399.52304	177.470062
Stack	53.770011	mV	1	28.003519	15.819785
Stack	33.090904	mV	1	14.196695	9.465895
Stack	53.139122	mV	1	25.854906	16.182516
Stack	678.608891	mV	1	354.692242	224.050253
Stack	89.567649	mV	1	46.195636	29.138456
Stack	37.809867	mV	1	22.487657	11.437399
Stack	25.421899	mV	1	14.203798	8.828055
Stack	30.648334	mV	1	23.467449	8.153323
Stack	17.62218	mV	1	7.088973	6.019072
Stack	19.165435	mV	1	9.17406	8.084708
Stack	62.247123	mV	1	25.28972	19.850545
Stack	71.096916	mV	1	30.635873	21.653196
Stack	90.527519	mV	1	50.763797	29.360105
Stack	37.629112	mV	1	21.405641	12.325743
Stack	22.097833	mV	1	14.186777	6.835562
Stack	30.175867	mV	1	14.170808	9.460608
Stack	20.464141	mV	1	12.269204	7.420526
Stack	110.519615	mV	1	53.000736	33.362686
Stack	34.053092	mV	1	16.593065	11.846282
Stack	291.90428	mV	1	132.836796	91.414292
Stack	18.745389	mV	1	9.317536	5.294589
Stack	20.883111	mV	1	8.807985	7.048468
Stack	31.503931	mV	1	17.356248	12.668196
Stack	53.875785	mV	1	26.116792	17.456716
Stack	366.874618	mV	1	142.14396	108.704806
Stack	27.906183	mV	1	14.053621	9.625029
Stack	820.883388	mV	1	321.904289	247.927577
Stack	779.600097	mV	1	350.152587	240.461563
Stack	51.440361	mV	1	24.425447	16.67661
Stack	57.087547	mV	1	25.410188	16.001317
Stack	43.65554	mV	1	17.170312	14.399748
Stack	467.77771	mV	1	308.510192	128.099136
Stack	512.096313	mV	1	256.239074	160.499404
Stack	549.046569	mV	1	384.37619	137.758148
Stack	351.836212	mV	1	153.124404	108.362548
Stack	511.131073	mV	1	219.868423	156.940673
Stack	74.393302	mV	1	36.86053	21.377195
Stack	72.596427	mV	1	34.116886	22.033315
Stack	30.745965	mV	1	16.141016	12.916899
Stack	186.699325	mV	1	92.435592	57.580123
Stack	1816.907349	mV	1	793.911926	554.06311
Stack	1722.009888	mV	1	813.726928	531.615783
Stack	695.488979	mV	1	289.070358	212.19735
Stack	112.657157	mV	1	64.161804	35.362258
Stack	134.608154	mV	1	77.561851	42.039787
Stack	64.433311	mV	1	38.421459	19.574804
Stack	49.401206	mV	1	23.41292	16.009153
Stack	350.483765	mV	1	145.18699	106.42718
Stack	547.739257	mV	1	274.591735	180.983291
Stack	219.326583	mV	1	107.637954	72.466705

Stack	452.190734	mV	1	234.563095	148.875137
Stack	55.563911	mV	1	31.462802	16.621368
Stack	20.765821	mV	1	11.833346	6.221689
Stack	51.380963	mV	1	26.85081	16.448066
Stack	28.214324	mV	1	16.024887	8.664355
Stack	27.809225	mV	1	13.461107	9.422809
Stack	21.716428	mV	1	6.306134	6.062913
Stack	1156.694702	mV	4	458.249969	347.471527
Stack	43.796068	mV	1	23.388839	12.12339
Stack	15.827387	mV	1	11.175344	3.773661
Stack	17.041832	mV	1	12.577927	3.777728
Stack	65.97425	mV	1	41.049461	19.698314
Stack	20.907407	mV	1	9.922965	6.438177
Stack	20.585424	mV	1	12.267968	7.376956
Stack	24.4838	mV	1	13.379342	6.893916
Stack	20.23896	mV	1	10.055433	6.599361
Stack	34.005699	mV	1	16.820512	11.153548
Stack	108.973136	mV	1	61.117961	33.87725
Stack	119.09287	mV	1	67.714926	36.278832
Stack	149.130645	mV	1	86.774055	44.652572
Stack	85.587791	mV	1	54.252536	24.35256
Stack	699.681762	mV	1	318.789306	226.135879
Stack	39.587333	mV	1	24.221628	11.685042
Stack	26.085351	mV	1	16.332185	6.381697
Stack	192.695861	mV	1	88.063751	61.338356
Stack	17.606314	mV	1	11.351187	5.127541
Stack	48.368271	mV	1	30.95374	14.913639
Stack	278.818084	mV	1	134.486236	90.549324
Stack	209.225738	mV	1	112.905166	67.794479
Stack	280.707275	mV	1	137.349365	90.333923
Stack	89.797813	mV	1	49.506595	27.969373
Stack	24.598205	mV	1	18.026149	7.368019
Stack	36.407829	mV	1	21.392198	11.733855
Stack	46.40081	mV	1	29.955369	15.055899
Stack	120.529808	mV	4	47.606525	35.748558
Stack	41.980195	mV	1	19.623955	13.213435
Stack	21.751386	mV	1	11.120292	6.292393
Stack	86.02719	mV	1	41.593577	26.326719
Stack	609.166291	mV	1	261.780807	176.928745
Stack	878.252733	mV	1	380.186455	274.863455
Stack	45.684867	mV	1	28.298372	12.360945
Stack	243.264489	mV	1	104.87845	77.933773
Stack	26.776819	mV	1	16.314628	9.190953
Stack	24.857381	mV	1	11.636509	6.670992
Stack	34.38227	mV	1	14.85918	12.235817
Stack	133.416755	mV	1	59.167122	41.519991
Stack	96.91502	mV	1	504.111832	390.761953
Stack	175.391095	mV	1	70.167633	46.643444
Stack	390.850738	mV	1	161.58348	122.982391
Stack	26.162624	mV	1	10.216048	6.90471
Stack	351.92041	mV	1	150.73117	111.18618
Stack	189.719833	mV	1	84.361251	59.157722
Stack	162.575988	mV	1	62.368431	50.196403
Stack	233.215652	mV	1	105.037617	74.730788
Stack	234.028579	mV	1	90.686157	75.837715
Stack	88.818662	mV	1	44.604741	27.329932
Stack	111.847946	mV	1	55.698566	36.304862
Stack	26.069811	mV	1	12.936436	10.869139
Stack	43.448417	mV	1	20.219943	13.941057
Stack	134.942075	mV	1	59.423215	40.777859
Stack	20.377763	mV	1	10.478116	5.587131
Stack	105.655715	mV	1	80.539314	26.054836
Stack	20.25842	mV	1	10.352096	8.782167
Stack	18.812472	mV	5	12.357157	3.945003
Stack	50.982276	mV	1	21.726922	17.031902
Stack	1497.202026	mV	4	593.461669	453.585662
Stack	25.455865	mV	1	14.346147	7.506896
Stack	19.036797	mV	1	10.317709	5.234524
Stack	20.388849	mV	1	12.814661	4.566123
Stack	19.785819	mV	1	3.422794	4.750661
Stack	18.284683	mV	5	6.775652	7.682613
Stack	59.44	mV	1	37.14	14.25
Stack	126.96	mV	1	83.83	40.3
Stack	125.59	mV	1	99.18	26.5
Stack	54.13	mV	1	45.34	7.82

Stack	876.821472	mV	4	345.434417	260.676208
Stack	143.291651	mV	1	67.814956	46.920791
Stack	174.05661	mV	1	80.687133	56.502174
Stack	560.596701	mV	1	266.504172	178.289205
Stack	1557.393677	mV	1	727.232971	501.395385
Stack	31.019161	mV	1	22.849224	7.670444
Stack	36.691131	mV	1	26.426885	8.498203
Stack	40.574512	mV	1	21.084209	11.961689
Stack	169.449371	mV	1	100.035202	54.586086
Stack	184.453964	mV	1	103.144676	56.84307
Stack	25.051544	mV	1	9.776907	7.165828
Stack	18.93186	mV	1	8.834881	6.157817
Stack	378.581848	mV	1	154.69635	117.685081
Stack	847.257024	mV	1	379.988354	277.771854
Stack	147.274797	mV	1	70.163666	47.268095
Stack	19.199286	mV	1	4.379004	1.955956
Stack	182.705505	mV	1	72.743804	55.161609
Stack	20.021083	mV	1	8.350635	6.703079
Stack	25.030763	mV	1	9.355612	7.410867
Stack	1846.605103	mV	1	770.205261	568.606018
Stack	44.202999	mV	1	21.676961	12.245598
Stack	560.738403	mV	1	240.338851	171.588516
Stack	36.347343	mV	1	15.801605	10.268579
Stack	78.686683	mV	1	40.634273	25.952495
Stack	693.308905	mV	1	384.093849	218.506609
Stack	18.853067	mV	1	5.26818	5.209791
Stack	20.044372	mV	1	7.177366	5.985252
Stack	185.551081	mV	1	103.156709	61.113874
Stack	218.391639	mV	1	113.777828	63.48917
Stack	195.689387	mV	1	102.188085	64.922352
Stack	733.492492	mV	4	289.956909	218.279754
Stack	23.08096	mV	1	8.989129	7.871011
Stack	47.911277	mV	1	24.403924	15.514891
Stack	25.31991	mV	1	9.695085	9.245703
Stack	36.427848	mV	1	15.96277	11.344878
Stack	38.409172	mV	1	24.092607	10.711104
Stack	1691.396362	mV	4	674.828002	505.19049
Stack	71.053535	mV	1	28.685327	22.312541
Stack	82.471359	mV	1	40.448551	26.26518
Stack	26.811794	mV	1	20.331047	7.456434
Stack	290.347656	mV	1	180.751968	84.367782
Stack	220.203172	mV	1	87.243877	39.080744
Stack	584.018211	mV	1	630.769977	331.549253
Stack	21.118988	mV	1	7.434909	4.004808
Stack	21.859764	mV	1	1.226076	-2.096262
Stack	20.877033	mV	1	9.096535	7.404614
Stack	21.255592	mV	1	10.34439	8.239927
Stack	22.887615	mV	1	7.800534	7.006219
Stack	124.960666	mV	1	52.683932	22.786797
Stack	20.097651	mV	1	7.775749	5.359134
Stack	1229.815552	mV	4	483.102569	372.216705
Stack	11.849429	mV	1	0.089066	-1.40679
Stack	79.045738	mV	1	35.989871	25.219114
Stack	24.648035	mV	1	19.098482	6.136771
Stack	222.500091	mV	1	105.920417	71.025421
Stack	93.020561	mV	1	44.443408	28.94058
Stack	37.243553	mV	1	17.591012	12.483397
Stack	35.515861	mV	1	16.99621	10.309523
Stack	41.526054	mV	1	23.84974	14.422286
Stack	137.589294	mV	1	109.044906	26.094259
Stack	33.060295	mV	1	20.209718	12.041922
Stack	52.078514	mV	1	34.675304	19.530096
Stack	143.04367	mV	1	73.566299	45.599624
Stack	20.267786	mV	1	10.091356	6.595717
Stack	1376.473267	mV	4	547.506164	415.352233
Stack	47.18	mV	1	31.1	22.37
Stack	183.81	mV	1	82.04	60.65
Stack	24.39	mV	5	9.84	8.28
Stack	35.75	mV	5	10.43	10.31
Stack	29.13	mV	5	10.39	7.38
Stack	20.24	mV	1	13.51	11.41
Stack	21.38	mV	5	7.84	8.05
Stack	67.91	mV	1	38.55	17.01
Stack	281.519928	mV	1	113.538635	83.468154
Stack	19.917374	mV	1	9.573909	3.391498

Stack	21.08805	mV	1	9.023973	5.211696
Stack	23.95	mV	5	2.21	8.37
Stack	37.634136	mV	1	18.039241	12.0249
Stack	43.397563	mV	1	24.449497	13.771403
Stack	65.03794	mV	1	35.655056	21.622953
Stack	138.36116	mV	1	59.53202	46.755115
Stack	20.711101	mV	5	11.833678	5.559915
Stack	49.93543	mV	1	24.124701	14.976446
Stack	261.48349	mV	1	103.431983	79.88356
Stack	32.33514	mV	1	15.272637	10.19785
Stack	1347.311966	mV	4	541.44523	400.488093
Stack	40.58134	mV	1	23.013418	16.727174
Stack	21.303442	mV	1	12.013054	6.03773
Stack	1565.328003	mV	4	611.916748	478.566864
Stack	22.433089	mV	1	14.183517	5.263528
Stack	18.305155	mV	1	10.814068	7.187894
Stack	20.064661	mV	1	9.546037	5.772292
Stack	23.851312	mV	1	8.399812	6.676321
Stack	25.599451	mV	1	15.7483	5.895842
Stack	154.203491	mV	1	89.503311	47.243019
Stack	249.316646	mV	4	100.172984	75.00431
Stack	18.715922	mV	1	12.437278	4.106287
Stack	1119.879395	mV	4	449.591796	342.634185
Stack	28.797977	mV	1	13.72414	8.086667
Stack	92.044434	mV	1	52.360788	29.570126
Stack	133.993042	mV	5	90.222679	56.625484
Stack	159.417699	mV	1	79.494996	63.63193
Stack	89.278694	mV	1	45.131855	27.428159
Stack	1619.132324	mV	4	641.767578	488.434997
Stack	73365.76501	mV	1	47692.89954	23713.78818
Stack	23.576562	mV	1	12.885797	6.998137
Stack	20.670066	mV	1	15.404278	6.391734
Stack	89.701347	mV	1	69.763954	24.818302
Stack	55.56073	mV	1	36.415092	17.080826
Stack	37.539173	mV	1	32.233794	9.30943
Stack	21.420104	mV	5	6.946324	3.456281
Stack	14.744343	mV	1	7.418063	3.896333
Stack	33.27045	mV	5	7.882848	4.490032
Stack	25.002958	mV	1	6.05805	5.310758
Stack	21.486198	mV	5	12.866615	8.995438
Stack	21.829921	mV	1	6.44947	5.404466
Stack	26.148232	mV	1	11.607114	7.732806
Stack	21.146352	mV	1	3.935777	3.791388
Stack	26.304609	mV	5	-0.086377	-2.811272
Stack	21.23006	mV	1	12.087906	4.953441
Stack	21.316093	mV	5	8.52247	6.503047
Stack	23.5739	mV	5	8.196022	8.992774
Stack	21.709596	mV	5	2.613439	2.884234
Stack	51.604148	mV	1	25.651092	19.433002
Stack	27.667661	mV	5	1.461694	4.567231
Stack	128.468998	mV	1	63.752122	42.898356
Stack	26.315906	mV	1	21.733596	12.911179
Stack	93.978057	mV	1	37.917236	27.515487
Stack	21.726488	mV	5	-2.033235	-5.693114
Stack	43.307094	mV	1	16.424667	8.903024
Stack	32.478618	mV	1	18.51725	14.130315
Stack	21.389745	mV	1	13.92509	9.481375
Stack	35.190933	mV	1	21.470689	13.243154
Stack	24.268051	mV	5	5.0071	5.479196
Stack	23.555332	mV	1	11.707593	7.564162
Stack	163.228775	mV	1	78.297248	57.499858
Stack	24.408105	mV	5	6.665346	8.713109
Stack	20.603969	mV	5	-0.683489	2.776159
Stack	21.005535	mV	5	0.06071	0.233523
Stack	90.02439	mV	1	34.218597	25.779703
Stack	66.061019	mV	1	23.873933	17.27798
Stack	202.611587	mV	1	84.382095	64.160667
Stack	25.142328	mV	5	22.336229	4.799727
Stack	99.52877	mV	1	44.790996	32.682632
Stack	23.860803	mV	1	12.902528	7.941634
Stack	37.904624	mV	5	27.260065	8.520575
Stack	32.93221	mV	1	22.781915	8.103035
Stack	32.591575	mV	1	25.153032	8.694426
Stack	53.148746	mV	1	27.936918	16.504386
Stack	31.535686	mV	1	31.390213	3.103649

Stack	98.002008 mV	1	22.884992	38.173455	
Stack	118.835205 mV	1	59.72837	38.339252	
Stack	82570.3125 mV	1	50311.96094	30539.33789	
Stack	27.413811 mV	1	13.736973	8.226078	
Stack	268.788737 mV	1	264.047945	13.971912	
Stack	18.931179 mV	1	8.403962	5.449372	
Stack	111.141264 mV	1	91.837477	14.82752	
Stack	160.064575 mV	1	95.997932	60.846782	
Stack	128.732238 mV	1	63.733119	43.785785	
Stack	33.776868 mV	1	18.650559	9.630084	
Stack	27.938146 mV	1	18.200569	6.042124	
Stack	24.094497 mV	1	12.870562	7.250393	
Stack	70.581041 mV	1	29.331439	20.822668	
Stack	166.734205 mV	1	73.894572	52.715865	
Stack	20.130767 mV	1	8.71408	6.837224	
Stack	43.387955 mV	1	23.131477	15.370572	
Stack	86.343307 mV	1	41.176418	25.941865	
Stack	69.570953 mV	1	32.587734	21.219677	
Stack	22.183698 mV	1	11.653299	7.11668	
Stack	218.248138 mV	1	178.817245	36.836715	
Stack	22.459728 mV	5	10.212871	5.600921	
Stack	58.964141 mV	1	25.003379	16.001901	
Stack	43.509994 mV	1	23.187507	13.318492	
Stack	188.471086 mV	1	79.925942	56.160284	
Stack	249.457694 mV	1	116.138943	73.495983	
Stack	37.102481 mV	1	17.649433	10.151282	
Stack	1517.570801 mV	1	677.969177	463.485107	
Stack	86.34616 mV	1	32.397014	25.085937	
Stack	283.793523 mV	1	120.247219	86.774574	
Stack	36.276416 mV	1	27.522583	19.371103	
Stack	29.17657 mV	1	13.312815	8.750351	
Stack	429.003266 mV	1	190.200617	125.153899	
Stack	77.803642 mV	1	43.101085	32.094837	
Stack	690.202575 mV	1	285.282379	206.413787	
Stack	676.981445 mV	1	323.278564	219.008468	
Stack	391.365875 mV	1	193.923141	128.058181	
Stack	1412.887042 mV	4	567.296819	421.240847	
Stack	252.317572 mV	1	106.276472	71.556575	
Stack	141.521158 mV	1	60.514461	41.275172	
Stack	196.290993 mV	1	83.163965	60.990204	
Stack	50.766546 mV	1	18.518991	15.190992	
Stack	39.044572 mV	1	17.886854	11.359461	
Stack	70.241202 mV	1	30.244382	22.646829	
Stack	22.453039 mV	1	13.411187	7.011462	
Stack	22.164861 mV	5	18.56431	1.872249	
Stack	13.047133 mV	1	8.683254	4.173557	
Stack	22.938226 mV	1	10.193849	7.862036	
Stack	54.885337 mV	1	26.157152	16.428327	
Stack	79.226615 mV	1	35.081211	26.054899	
Stack	63.923545 mV	1	28.01584	19.044172	
Stack	30.903924 mV	1	15.84556	9.311659	
Stack	24.704416 mV	1	12.007259	8.040164	
Stack	51.564476 mV	1	23.871004	16.48245	
Stack	88.711997 mV	1	66.416404	19.506078	
Stack	20.868158 mV	1	10.528215	6.560286	
Stack	21.622095 mV	5	9.272096	2.381606	
Stack	26.641473 mV	1	12.028558	9.993933	
Stack	18.561975 mV	5	9.335323	4.043986	
Stack	46.31026 mV	1	30.472875	10.119351	
Stack	68.976234 mV	1	31.850555	23.187463	
Stack	22.396358 mV	1	14.511878	6.222932	
Stack	45.707267 mV	1	24.330329	14.422391	
Stack	92.227237 mV	1	38.206223	27.647436	
Stack	18.838389 mV	1	15.535868	3.831173	
Stack	264.291213 mV	1	151.46709	82.883411	
Stack	290.311187 mV	1	116.619682	88.633827	
Stack	57.80947 mV	1	24.078391	18.042143	
Stack	280.213414 mV	1	119.490785	86.625593	
Stack	20.660105 mV	5	16.980707	4.264821	
Stack	24.220495 mV	1	14.542565	7.224093	
Stack	23.13471 mV	1	13.949379	4.849177	
Stack	27.028193 mV	1	22.885502	3.104185	
Stack	11.237703 mV	1	6.62899	1.943124	
Stack	182.474624 mV	1	80.800659	57.410057	
Stack	43.049227 mV	1	18.774968	13.635378	

Stack	103.247947	mV	1	44.481159	32.818595
Stack	175.704086	mV	1	115.264671	48.400444
Stack	23.64361	mV	1	13.015878	9.590384
Stack	64.416038	mV	1	31.571733	20.849866
Stack	156.905359	mV	1	66.288744	47.200375
Stack	465.241645	mV	1	191.976657	140.080495
Stack	18.266153	mV	1	7.921482	6.342711
Stack	105.917892	mV	1	45.470294	30.845298
Stack	75.226982	mV	1	45.970184	23.168937
Stack	41.586456	mV	1	24.736146	12.237043
Stack	24.407253	mV	5	16.308553	8.531956
Stack	190.689788	mV	1	75.067253	57.850131
Stack	233.92136	mV	1	93.664429	72.727461
Stack	1911.799072	mV	4	774.859252	573.605896
Stack	20.229192	mV	1	15.663994	3.036738
Stack	22.235528	mV	1	17.611543	8.366293
Stack	398.268559	mV	1	167.454009	110.352668
Stack	171.447726	mV	1	73.094707	54.091669
Stack	97.110608	mV	1	40.715314	31.041068
Stack	1918.155893	mV	1	647.23134	445.944181
Stack	1225.115112	mV	1	528.129089	377.066955
Stack	519.420009	mV	1	229.309767	144.542451
Stack	127.79388	mV	1	53.862155	30.579894
Stack	24693.91602	mV	1	21323.40625	1549.287964
Stack	1207.891602	mV	1	523.544372	353.933593
Stack	795.597178	mV	1	341.492393	232.770109
Stack	242.01645	mV	1	128.4104	95.77949
Stack	52.769504	mV	1	22.911327	15.50073
Stack	21.023128	mV	1	9.265497	4.985883
Stack	63.052325	mV	1	37.552982	28.207596
Stack	23.50696	mV	1	9.29927	8.065386
Stack	332.841918	mV	1	150.506173	104.803043
Stack	15.118818	mV	1	2.479737	4.826291
Stack	12.467153	mV	1	3.927492	5.082932
Stack	133.743616	mV	1	67.115741	32.54482
Stack	1718.236888	mV	1	729.236567	504.366194
Stack	980.373016	mV	1	422.455971	282.797957
Stack	992.141986	mV	1	424.788611	293.807034
Stack	1435.121879	mV	1	552.075215	654.680828
Stack	714.311098	mV	1	292.076823	214.290267
Stack	988.921724	mV	1	387.567079	292.39717
Stack	18.331629	mV	5	8.611646	5.579748
Stack	49.674926	mV	1	23.823062	16.404827
Stack	30.024696	mV	1	20.000815	8.0396
Stack	37.539261	mV	1	19.58035	11.765917
Stack	46.455945	mV	1	22.39436	16.1889
Stack	20.665792	mV	1	10.572634	4.496357
Stack	46.277835	mV	1	18.200683	10.663152
Stack	58.824386	mV	1	20.060279	13.808577
Stack	21.218997	mV	5	7.979341	8.982089
Stack	27.051311	mV	1	9.804754	8.473033
Stack	0.422587	mV	5	-1.014639	-11.556295
Stack	9.915098	mV	1	8.984544	6.670089
Stack	21.132093	mV	5	11.692026	6.574655
Stack	25.098348	mV	5	1.296822	2.567523
Stack	450.527996	mV	1	197.247996	149.114333
Stack	249.428897	mV	1	107.837212	83.698511
Stack	260.993869	mV	1	59.527996	31.667981
Stack	25.304393	mV	1	3.788976	4.302984
Stack	18.062798	mV	5	9.882161	8.791789
Stack	20.024207	mV	5	0.230223	1.645617
Stack	20.110506	mV	5	5.569547	1.570121
Stack	29.093978	mV	5	6.411207	6.934691
Stack	27.056936	mV	5	5.308792	8.158677
Stack	19.343527	mV	1	8.725533	2.843981
Stack	67.148811	mV	1	28.292076	25.98105
Stack	22.275396	mV	5	3.683913	-2.412274
Stack	18.452133	mV	1	6.857774	4.116547
Stack	126.275718	mV	4	50.770435	38.699295
Stack	1413.22937	mV	4	574.823364	424.960113
Stack	27.131555	mV	1	14.577363	7.966895
Stack	27.281671	mV	1	20.754556	8.246649
Stack	76.44149	mV	1	52.171192	25.040586
Stack	33.277214	mV	1	21.695962	10.136321
Stack	19.109487	mV	1	4.504521	4.326597

Stack	40.874851	mV	1	20.808837	12.600664
Stack	23.268753	mV	1	18.196138	4.488221
Stack	32.631885	mV	1	15.103058	10.675868
Stack	39.155704	mV	1	18.867429	13.053864
Stack	26.179904	mV	1	16.107557	6.150158
Stack	30.130807	mV	1	22.330595	7.535793
Stack	339.260175	mV	1	158.354577	107.978556
Stack	58.825702	mV	1	39.50748	19.507652
Stack	26.688421	mV	1	17.197357	6.647838
Stack	746.472548	mV	1	335.666731	248.393923
Stack	22.384819	mV	1	8.987211	6.9088
Stack	24.791561	mV	5	1.700141	-7.392556
Stack	23.248052	mV	1	2.624138	0.320796
Stack	31.365087	mV	5	6.81051	12.093884
Stack	22.118	mV	1	9.096116	4.892055
Stack	35.442575	mV	1	7.727964	6.271801
Stack	30.268239	mV	5	-0.185995	1.273449
Stack	21.867961	mV	5	2.787346	0.920484
Stack	23.895587	mV	5	3.587565	-3.103921
Stack	25.368249	mV	5	0.833702	-2.59959
Stack	20.507757	mV	1	16.861095	7.151132
Stack	22.251392	mV	5	7.273973	3.33847
Stack	25.879119	mV	1	15.334774	7.576132
Stack	22.958623	mV	5	-4.172872	-2.789153
Stack	23.193273	mV	5	8.162642	10.89704
Stack	12.612554	mV	1	5.279761	2.508314
Stack	29.773481	mV	5	10.475928	12.457113
Stack	31.539876	mV	5	3.674305	1.920035
Stack	38.346031	mV	1	14.743115	10.181006
Stack	42.540137	mV	1	11.366799	11.823807
Stack	26.673744	mV	5	-5.404117	-3.004964
Stack	20.687736	mV	5	0.073603	0.275917
Stack	23.110374	mV	5	4.228063	7.578826
Stack	1917.429443	mV	4	771.03894	579.019592
Stack	33.067878	mV	1	19.501321	6.460559
Stack	63.099464	mV	1	29.436738	21.562374
Stack	27.962438	mV	1	17.902231	6.75497
Stack	50.02584	mV	1	23.590929	16.881902
Stack	106.646995	mV	1	47.354335	34.910591
Stack	22.879571	mV	1	9.332185	7.48448
Stack	24.003686	mV	1	9.989046	8.072653
Stack	104.873071	mV	1	37.942053	31.532394
Stack	51.945793	mV	1	32.1496	15.28665
Stack	144.092132	mV	1	66.584152	45.266372
Stack	194.073943	mV	1	77.038784	56.320686
Stack	257.000658	mV	1	100.006122	74.304651
Stack	71.587608	mV	1	44.254047	21.909887
Stack	74.658653	mV	1	37.132602	25.22405
Stack	21.556568	mV	1	14.377674	5.844391
Stack	13.077612	mV	5	9.84141	3.498485
Stack	8.24677	mV	5	5.769829	-4.953053
Stack	19.657978	mV	5	20.28625	2.949479
Stack	22.557248	mV	1	5.479912	8.243503
Stack	32.873966	mV	1	14.557421	6.579165
Stack	19.165135	mV	5	10.866967	6.128454
Stack	18.609652	mV	5	14.146242	5.920861
Stack	62.126609	mV	1	31.272783	20.456733
Stack	41.086017	mV	1	25.993015	16.250808
Stack	1245.321179	mV	1	751.197844	443.456362
Stack	10138.58518	mV	1	9378.861472	1074.945641
Stack	38.588157	mV	1	22.669003	14.123712
Stack	83.846902	mV	1	50.514197	28.587694
Stack	80082.91406	mV	1	49873.48438	29125.91992
Stack	26.176097	mV	1	16.496023	8.422886
Stack	2376.245227	mV	1	1550.211944	925.786096
Stack	23.279886	mV	5	12.67069	7.750057
Stack	2390.443671	mV	1	1479.339749	880.290763
Stack	21.846048	mV	1	13.436887	7.362871
Stack	672.914123	mV	1	402.234436	246.202407
Stack	76.032699	mV	1	54.815357	17.393877
Stack	29.949618	mV	1	18.494971	6.593275
Stack	22.784637	mV	5	12.138963	8.701671
Stack	22.797717	mV	1	13.104201	7.333155
Stack	1379.453979	mV	1	555.041626	418.695373
Stack	90.333686	mV	1	46.801307	27.239597

Stack	16.483661	mV	1	5.653554	2.741576
Stack	31.447504	mV	1	15.958131	9.955367
Stack	42.561046	mV	1	26.527376	13.295133
Stack	20.597925	mV	1	13.530183	6.890555
Stack	78.132469	mV	1	40.497119	24.922002
Stack	115.023826	mV	1	49.963764	37.986274
Stack	203.704976	mV	1	118.276399	63.404543
Stack	248.406246	mV	1	142.012444	77.300876
Stack	42.360011	mV	1	33.746121	8.092668
Stack	168.160574	mV	1	134.241988	30.50857
Stack	18.32807	mV	1	7.241095	7.133063
Stack	18.097432	mV	1	8.070026	4.238014
Stack	110.44001	mV	1	48.923217	34.562793
Stack	71.535102	mV	1	33.763576	23.465721
Stack	77.403541	mV	1	45.733062	24.428331
Stack	89.105293	mV	1	43.382888	27.666372
Stack	63.088714	mV	1	31.052413	18.057638
Stack	133.375442	mV	1	63.267177	41.370407
Stack	85.999305	mV	1	41.025253	27.329309
Stack	41.820423	mV	1	23.408536	12.921268
Stack	23.331937	mV	1	9.946136	6.289238
Stack	33.742103	mV	1	19.626779	9.868113
Stack	20.680749	mV	1	7.605791	7.191412
Stack	30.454217	mV	1	10.547044	9.690955
Stack	233.371749	mV	1	168.560577	57.277168
Stack	52.984886	mV	1	24.735155	18.800512
Stack	33.396781	mV	1	21.519815	11.774489
Stack	28.334225	mV	1	13.41402	9.880492
Stack	67.490028	mV	1	30.590496	20.708852
Stack	22.364969	mV	1	20.295989	12.807666
Stack	1145.794556	mV	4	457.70285	352.737915
Stack	22.595653	mV	1	11.555013	7.073243
Stack	87.19049	mV	1	61.103496	21.37792
Stack	24.883052	mV	1	12.48901	7.603884
Stack	23.170782	mV	1	10.288274	7.078995
Stack	20.294178	mV	1	9.260554	7.792239
Stack	79.784263	mV	1	41.823307	23.851982
Stack	21.526447	mV	1	12.073558	8.783932
Stack	22.870355	mV	1	9.905893	5.112852
Stack	21.029729	mV	1	7.829553	7.392978
Stack	1376.664795	mV	4	549.889587	411.814941
Stack	620.71405	mV	1	445.305725	150.640228
Stack	1763.003296	mV	4	700.764831	526.032592
Stack	23.48211	mV	1	9.442755	5.712051
Stack	21.291421	mV	5	7.05621	5.161107
Stack	22.077798	mV	5	6.244254	5.30026
Stack	15.323816	mV	5	2.594139	-0.157849
Stack	22.434608	mV	1	8.768436	6.726582
Stack	17.91925	mV	5	8.686686	6.255218
Stack	26.59728	mV	5	5.417337	0.608393
Stack	21.320711	mV	5	7.127589	4.879461
Stack	19.155877	mV	5	6.104495	3.453824
Stack	24.222372	mV	1	8.8898	7.040117
Stack	22.629034	mV	1	12.846304	10.786613
Stack	23.167474	mV	5	6.361978	5.829059
Stack	23.004495	mV	1	7.648313	7.515513
Stack	19.59489	mV	1	8.758842	6.099993
Stack	1587.296021	mV	4	628.601928	476.226043
Stack	16.258965	mV	1	5.810901	5.113547
Stack	161.552551	mV	4	62.940395	49.677978
Stack	43.028068	mV	1	26.339097	16.379613
Stack	13.601438	mV	1	7.39058	5.698045
Stack	26.761285	mV	1	12.256509	8.728659
Stack	28.115442	mV	1	17.494745	8.456931
Stack	28.992639	mV	1	14.407297	10.52468
Stack	60.241294	mV	1	30.696756	20.197088
Stack	26.164577	mV	1	14.739499	8.849762
Stack	237.36154	mV	1	106.225989	72.116188
Stack	41.199172	mV	1	23.641177	12.858476
Stack	96.687339	mV	1	57.817096	29.736722
Stack	23.03515	mV	1	13.370531	8.029913
Stack	29.322748	mV	1	19.141862	8.347815
Stack	20.490715	mV	1	7.859771	4.507627
Stack	1245.789551	mV	4	494.324279	373.391265
Stack	13.329738	mV	1	6.378186	3.951832

Stack	71.187302	mV	1	32.906949	22.314258
Stack	631.848036	mV	1	425.893263	164.550795
Stack	380.840706	mV	1	247.155851	100.329292
Stack	30.455097	mV	1	14.908393	9.452614
Stack	87.719098	mV	1	42.444369	25.450323
Stack	1319.765072	mV	1	529.417999	397.714079
Stack	18.606655	mV	5	6.374718	3.189324
Stack	108.665031	mV	1	75.300155	27.773649
Stack	36.000858	mV	1	30.076759	7.44595
Stack	31.056329	mV	1	18.92806	12.663287
Stack	1590.745605	mV	4	641.866088	480.279876
Stack	1169.299072	mV	4	460.959442	354.095153
Stack	20.785619	mV	1	12.777688	6.167689
Stack	22.579748	mV	1	13.493981	5.018702
Stack	28.876409	mV	1	13.164834	10.036997
Stack	1527.813354	mV	4	595.713928	461.897216
Stack	23.239446	mV	1	11.894927	6.87793
Stack	30.287958	mV	1	12.587327	10.307341
Stack	32.320213	mV	1	20.652696	7.782881
Stack	49.677421	mV	1	21.535974	16.318777
Stack	10.130441	mV	1	8.154127	1.315969
Stack	41.960807	mV	1	26.418619	13.827712
Stack	56.524284	mV	1	27.637804	16.113882
Stack	67.275383	mV	1	29.258798	20.238813
Stack	85.677513	mV	1	48.650203	25.663595
Stack	31.821039	mV	1	25.548089	4.806021
Stack	35.633415	mV	1	16.842424	10.697424
Stack	193.09349	mV	1	120.858093	51.996902
Stack	50.689201	mV	1	27.646837	17.470991
Stack	63.507164	mV	1	31.561326	20.428266
Stack	126.399101	mV	1	52.455348	37.99279
Stack	439.281411	mV	1	18.032089	10.022847
Stack	49.733146	mV	1	20.720628	15.225852
Stack	42.204002	mV	1	20.813035	11.206282
Stack	23.294672	mV	1	11.832216	7.579054
Stack	23.270227	mV	1	14.126855	6.710707
Stack	19.635344	mV	5	11.06924	5.745455
Stack	20.82323	mV	1	11.364158	6.952085
Stack	31.655752	mV	1	19.322467	10.915589
Stack	32.202312	mV	1	17.647152	8.270867
Stack	23.800018	mV	1	13.737091	6.961037
Stack	20.271748	mV	1	12.17702	6.73657
Stack	22.011907	mV	1	14.420306	6.172231
Stack	50.77154	mV	1	30.467557	15.726051
Stack	21.596675	mV	1	12.609982	7.261989
Stack	18.95326	mV	1	14.023173	9.768681
Stack	12.73759	mV	5	5.202149	4.357655
Stack	165.761474	mV	1	83.850891	53.877857
Stack	56.748531	mV	1	28.892257	16.838232
Stack	105.247038	mV	1	57.886381	32.088691
Stack	22.543617	mV	1	13.541728	6.90634
Stack	81.998117	mV	1	37.469154	26.749488
Stack	22.343154	mV	1	12.143815	7.367947
Stack	37.367836	mV	1	23.413019	10.847384
Stack	144.38327	mV	1	58.86481	41.414451
Stack	363.143506	mV	1	146.410663	106.556114
Stack	97.123252	mV	1	28.847269	20.56281
Stack	24.358545	mV	1	13.302232	8.92742
Stack	23.243738	mV	1	19.539567	8.167212
Stack	122.847442	mV	1	56.93412	37.275619
Stack	63.633647	mV	1	55.064765	10.052218
Stack	359.281777	mV	1	151.431293	110.040933
Stack	211.705609	mV	1	89.30688	64.544226
Stack	24.941722	mV	1	11.327153	7.714841
Stack	216.325225	mV	1	93.008377	63.227195
Stack	39.439727	mV	1	17.46245	12.750858
Stack	63.517182	mV	1	31.223821	19.737345
Stack	59.444807	mV	1	22.204672	17.899468
Stack	27.360948	mV	1	14.061893	6.552022
Stack	77.343202	mV	1	37.1952	24.071839
Stack	101.294181	mV	1	48.945564	33.122272
Stack	157.60054	mV	1	71.110076	48.809574
Stack	72.937057	mV	1	39.725887	25.281585
Stack	136.593551	mV	1	63.307941	41.887329
Stack	61.94754	mV	1	28.716297	18.346475

Stack	320.537384 mV	1	133.990692	96.188217
Stack	31.883321 mV	1	14.41304	8.549338
Stack	44.945175 mV	1	22.718111	16.151502
Stack	174.605194 mV	1	79.803047	53.113616
Stack	36.226865 mV	1	14.180471	11.106803
Stack	68.243133 mV	1	35.221378	24.918672
Stack	30.782579 mV	1	15.231027	8.285954
Stack	25.745361 mV	1	13.140045	8.092274
Stack	23.828571 mV	1	11.240704	6.405859
Stack	981.528475 mV	1	480.376885	293.723622
Stack	56.552764 mV	1	28.446298	16.470674
Stack	103.415618 mV	1	45.644397	33.406913
Stack	39.231533 mV	1	19.553554	15.890411
Stack	93.866592 mV	1	46.296077	30.400392
Stack	95.501052 mV	1	47.277446	33.112316
Stack	59.839477 mV	1	22.654176	15.818322
Stack	50.427567 mV	1	21.441824	13.473811
Stack	90.007041 mV	1	38.276123	21.002117
Stack	25.089656 mV	5	8.541356	6.183927
Stack	59.217365 mV	1	29.821723	18.128711
Stack	47.381301 mV	1	20.386808	12.591083
Stack	856.797769 mV	1	439.809368	266.875073
Stack	138.52317 mV	1	66.110632	44.855075
Stack	24.347883 mV	1	13.087742	6.562751
Stack	24.29695 mV	1	6.084409	-1.638716
Stack	120.016585 mV	1	49.933407	34.021293
Stack	21.035974 mV	1	10.240297	7.020567
Stack	71.100395 mV	1	34.838809	21.106092
Stack	36.499656 mV	1	16.676507	10.283591
Stack	86.87099 mV	1	39.136019	25.148405
Stack	170.478836 mV	1	81.348869	51.170028
Stack	380.268023 mV	1	173.238056	123.495804
Stack	24.890789 mV	1	7.484448	6.710258
Stack	25.870645 mV	5	-3.098576	-1.882392
Stack	20.486895 mV	5	11.932581	9.066112
Stack	27.44898 mV	1	15.501122	10.335742

Channel3	Channel4	SignalNoiseRatio	SignalStrength	ResponseSize	TargetSize	PercentDiffChannel12
57.328075	32.196048	1221.405633	5339622.153	8.770878	1.408112	-19.245742
71.698011	14.554006	21694.99051	292235207.5	27.176022	2.478281	-37.405665
11.522005	6.217113	76.74265	226502.4033	5.915716	1.220307	-33.099984
3.282203	2.047157	5.502668	8486.771325	3.07969	1.299983	-26.804334
6.314006	2.880874	13.088225	31513.3729	4.825836	0.986549	-25.736761
4.655956	1.365604	13.833317	17958.35603	2.648782	1.034286	-27.3119
4.038974	2.10975	11.524205	5626.237207	0.931759	1.051455	-41.539014
2.187842	1.049424	5.160472	8989.665192	3.505761	1.48968	-56.697127
4.0457	3.407757	7.13804	10692.20243	3.056607	1.277212	-16.460172
78.472351	16.975661	0.165514	9.182498	0.119458	2.724236	-23.533845
20.452849	10.38349	2663.23785	19828362.97	14.968788	2.801104	-23.649664
3.828261	0.945338	944.326066	6098167.488	13.065776	2.091716	-74.387018
20.822141	9.124135	186.669551	474311.1695	5.107441	1.029686	-23.570842
8.46329	2.890613	150.202876	764309.3025	10.105411	1.142537	-27.081524
8.141513	2.108577	106.890805	862552.1844	16.14366	1.31848	-39.031447
0.151957	0.060689	5.929852	11934.54492	3.947191	1.958707	-87.30022
25.151055	11.740373	142.06074	793007.8825	10.959046	0.707106	-21.52756
19.172399	8.215818	92.549625	198249.3868	15.142461	1.155101	-22.86072
10.28449	4.656621	25.363621	10008.3593	2.984023	1.272547	-25.22949
16.397802	6.699509	87.776455	210290.9396	17.443151	1.939966	-10.880313
3.891553	1.598273	5.55889	2143.078459	5.31512	1.046996	-44.284105
2.413602	1.169303	1.380127	395.252236	4.047947	1.22257	-25.163156
5.173095	2.024083	6668.771194	4581224.572	4.567512	0.796341	-22.832589
3.330424	-0.274708	12.910952	42340.03715	22.160543	1.767286	-43.467175
14.794551	7.088157	132.054576	197988.4441	10.294959	0.959628	-28.012276
44.906871	21.333658	30706.75693	83762194.73	18.482657	1.096113	-24.335443
2.302507	0.759023	11.075917	21548.97684	13.151903	1.060153	-27.466805
22.285991	11.753563	427.959926	482837.3072	7.786193	1.200736	-24.086237
0.625194	-0.089315	105.117405	180793.9729	11.638386	1.412271	-94.467385
4.575582	0.327092	107.861466	48136.1693	3.079783	0.921136	-44.984992
14.463939	5.703866	183.803574	635021.4174	23.487634	1.489207	-30.248822
11.194476	4.282959	175.123422	635767.0268	24.404021	1.218803	-38.103737
7.313133	3.166935	414.357837	679420.2826	11.433766	1.698267	-25.519678
35.760287	19.463841	1581.50346	7597152.65	32.482942	2.682806	-25.219123
5.294313	3.608598	8544.011712	19107852.98	15.146169	0.893836	-30.775957
26.444559	15.643193	13913.54452	60069792.37	29.156441	1.160249	-21.189195
71.242456	42.222289	13400.11442	62489442.86	31.618517	1.87681	-26.243082
140.044281	81.857139	11656.22421	62715200.05	36.42195	1.661292	-25.13154
3.568978	1.664144	12.589892	6060.499869	3.275747	1.364176	-29.826122
3.047561	1.292223	48.980933	77120.86666	10.530524	0.995094	-43.717626
8.000818	4.747439	59.265998	87965.52766	9.991716	1.295879	-29.088252
39.351943	7.141622	2777.680089	5863804.992	14.300632	1.48298	-42.552784
28.094228	11.178261	1897.553808	4481570.206	16.229084	2.441771	-40.402233
1.08224	0.651873	6436.145033	11521505.6	12.193972	2.029409	-28.998518
130.120043	54.531986	52205.72646	237694530.9	30.826803	1.954931	-30.725472
1.594488	0.965128	1.816224	358.336608	1.815049	0.965521	-41.521515
4.812635	0.985578	2.500801	563.887989	1.521078	0.992348	-38.31042
2.462083	1.89129	0.125654	17.708126	0.820924	1.210595	34.10056
9.351034	3.713233	4553.964165	8677959.465	25.738328	1.114915	-33.544771
0.979512	-0.667026	6.362059	2943.262196	6.132467	1.360983	-60.342627
3.771436	1.119578	8.474762	2147.025753	3.760078	1.035758	-56.260652
7.011449	1.868609	26.378024	11331.53581	5.62032	0.821873	-35.32883
108.640186	58.130861	10314.55589	36470143.42	46.7563	1.733008	-29.184362
220.810882	119.74633	9420.893035	36527221.78	51.610601	1.182779	-28.237703
10.106145	2.958678	10086.51227	14887703.97	19.922004	0.717089	-42.813265
4.105543	0.043757	17.759814	22887.9133	17.587778	1.074537	-50.394814
19.567647	9.703296	149.567064	148272.4229	13.64807	1.249727	-27.662916
1.299795	-0.57036	1.837843	1072.917696	7.663167	1.492103	-24.69868
196.840118	115.77272	15034.6702	166858026.4	20.052844	1.957823	-24.055445
3.415101	0.157348	45.279089	349343.4714	13.838363	1.248987	-51.454697
5.675905	0.567413	114.399525	294210.3266	4.562585	1.029843	-54.384798
88850.8746	53094.42554	5795939288	2.76E+14	85.392826	2.699603	-24.532987
58.83197	11.496978	2441.455223	42479064.4	30.99914	1.19691	-38.910907
51.900726	9.020568	2291.848373	43163153.37	33.675598	1.250422	-40.914806
11.380678	2.133392	119.578873	1312918.527	19.667175	1.358781	-42.441462
7.44321	1.15487	734.643139	10718371.05	26.087497	1.9611	-56.247266
50202.83203	30000.7168	3079058470	1.55E+14	90.303066	2.371272	-26.249826
8.577699	2.927276	47.070123	253282.1466	9.752063	1.722329	-37.034522
3.95569	1.405822	11.610218	64081.8358	9.879639	1.409007	-33.002236
4.023434	1.651044	19.275418	231273.0174	21.530316	3.207423	-44.592378
9505.240088	1144.879933	597607606.2	2.1239E+13	64.091626	2.679349	-28.118196
29.099269	17.459139	5477.539806	119197888.7	38.923759	3.498983	-31.242009
0.179071	-0.525147	12.236113	50349.73052	7.318574	2.148386	-63.701261

38.91676	6.59066	1035.615355	10038871.53	17.331997	1.374771	-42.233732
15.142738	4.313749	650.413268	8466533.306	23.310219	3.314073	-27.09399
10.624086	2.919769	148.00026	1043788.123	12.570781	1.674085	-50.243268
5.182377	0.533103	109.509513	979220.7737	15.954245	3.305838	-22.436978
109052.0969	89491.05445	6016745532	2.43E+14	83.049345	3.722959	-28.90847
6.287477	3.398986	28.252366	207077.7216	13.086908	1.524657	-45.215236
4.920412	1.964416	30.31029	151405.5597	8.936613	1.65764	-46.296075
1.714601	1.015045	23.900182	95745.10591	7.018707	1.378702	-46.265253
3.623475	1.88739	2.542048	5682.673293	4.009743	0.671894	-14.797228
12.323501	3.498612	21.362721	22278.29192	7.612878	1.473034	-27.144502
219.395385	129.589645	7754.919824	18141742.5	16.273825	1.427742	-23.914427
125.966407	74.601966	3863.22956	8723409.938	30.075541	1.54179	-23.399582
2.690427	-0.179584	10.208236	11469.19171	14.748816	1.179665	-42.885197
4.922811	-0.185917	21.525785	17071.56811	10.065852	1.939415	-47.520177
2.912786	0.752753	5.416507	1551.224344	3.929032	0.840982	-59.366767
14.361486	7.116111	92.99108	77846.0881	11.479786	1.213925	-33.637128
14.546392	7.395019	84.590947	76404.625	12.54319	1.162104	-23.087845
60.377319	30.637006	1285.838518	5311284.975	54.611628	1.443918	-29.322116
50.663563	25.707541	1440.558924	5299799.003	49.295844	1.351664	-28.671254
5.870313	1.661792	22.882795	11594.41428	6.567025	1.067964	-37.836375
10.338903	3.732173	48.745443	71411.40466	19.819098	1.181859	-39.011
-0.78256	-0.490606	20.918016	12902.99215	8.310396	1.733143	-45.262464
4.285478	1.36366	0	0	0	1.409369	-35.806764
3.980008	1.213618	57.585801	63430.38092	14.725973	1.159194	-21.038939
38.907024	2.938327	4365.586109	7309169.815	22.351236	0.94799	-55.579517
7.897115	3.075057	31.492693	41626.79384	17.52907	1.380638	-43.507867
6.700155	3.355796	31.574346	37213.45973	15.68444	1.049645	-33.323245
8.799757	2.273417	34.731633	9946.733158	3.873929	1.027793	-37.410269
79.789429	20.432016	50945.73071	189112223.9	51.196555	1.713613	-32.613519
11.343404	2.972716	92.581181	50988.78081	7.380603	1.117051	-36.923791
2.943334	1.400283	25.837702	38421.07927	20.020151	1.296049	-49.139211
4.617345	1.113418	4.911787	1406.678496	3.867639	1.177885	-37.84722
2.036624	0.796338	25.0812	38401.21965	20.318823	2.254408	-50.809331
2.923716	1.267055	1.878706	827.753045	5.659414	1.267197	-24.500205
2.495595	1.363483	2.662882	557.298076	2.721727	0.982881	-20.804181
10.959623	6.176936	57.862198	82217.93114	18.91831	1.652027	-21.507452
12.265226	6.493197	54.648851	81263.72205	19.415869	1.304975	-29.32078
9.612882	1.00735	100.011685	88129.77058	11.797653	1.133333	-42.163299
3.549436	-0.036804	95.129085	88018.61105	12.338652	1.461661	-42.418246
1.152898	0.324759	5.497749	1090.032263	2.416241	1.197042	-51.817367
4.57887	1.699038	10.805825	5713.221825	7.096177	1.849643	-33.238754
3.264527	-0.085997	3.033482	935.581021	3.874173	0.761215	-28.668667
16.870435	6.918467	159.46737	86069.60662	7.186101	0.920089	-37.052409
5.087995	1.625583	15.425217	4757.417101	4.210624	1.117914	-28.60703
46.357554	21.51334	4124.231129	13219587.09	43.301252	1.526823	-45.898118
3.521711	0.784664	12.49432	7706.950441	8.273298	1.123528	-40.452414
4.577711	3.405715	5.511428	1214.160515	3.217883	1.027169	-19.976381
4.652242	0.753627	8.613674	3605.404093	5.709289	0.942774	-27.010745
7.371068	2.841975	33.225544	18298.85929	7.761734	1.649502	-33.159033
72.649186	44.045043	14469.73518	35542449.17	32.547159	1.333162	-23.588024
3.154103	0.90549	4.883121	1398.468897	4.098577	0.921347	-31.512103
156.180003	95.008682	15344.80322	35663641.36	31.549064	1.816189	-22.888295
128.860778	61.141551	4267.599898	13209060.25	41.844315	1.387382	-31.326635
8.032522	2.865886	34.266785	20382.10503	7.787891	1.219631	-31.72444
9.663267	4.91714	3547.298708	7619286.028	29.214811	1.676512	-37.027945
8.124479	3.933383	78.443974	99366.34956	17.334776	0.850999	-16.13578
27.598165	3.592475	3031.923996	5677395.338	25.380886	1.904167	-58.478151
72.923721	22.700698	3835.868786	21506187.63	75.439116	1.715865	-37.363415
25.218496	1.700183	2817.704318	7976464.671	37.713816	1.406456	-64.160592
59.584419	30.774732	4505.638613	23772440.75	72.114793	1.146915	-29.232346
89.181327	45.295909	4359.723839	20409380.18	63.513844	1.296143	-28.620639
11.243497	5.128955	89.613998	115489.7986	17.65417	1.032598	-42.005188
11.203832	5.356589	357.117815	759190.44	28.020042	1.069734	-35.418151
6.98068	3.411578	15.623875	3786.111209	3.55026	1.147338	-19.97468
26.409635	10.339305	489.614624	819747.0733	22.211535	1.781734	-37.707843
313.963531	155.006347	45982.40057	208168670	60.308843	1.545929	-30.21101
267.683685	109.298057	39889.1382	218809362.9	74.134133	1.673311	-34.669019
128.238053	66.508271	35062.83217	142899471.4	55.165121	1.846585	-26.154898
10.578367	2.509368	200.880224	389432.1097	26.320571	1.362291	-44.885809
14.00543	2.708415	196.57467	389746.27	26.539141	0.909242	-45.79837
6.618253	1.053302	210.236218	389044.0009	25.008866	1.357106	-49.052418
9.049612	3.216117	20.538112	26920.88839	17.094996	1.118409	-31.622568
63.60027	34.952182	29279.68347	84498611.76	38.560976	1.050358	-26.428891
74.092033	17.358947	5037.905371	59498400.86	30.052298	1.371554	-34.090044
33.981891	7.51478	5176.458047	59206046.46	28.960034	1.087138	-32.675508

55.41537	12.566621	4905.807503	59511099	30.868795	0.986072	-36.530877
5.316509	2.121877	32.715753	170936.052	13.182574	1.043711	-47.171367
2.693115	0.043607	2.39308	9496.906186	10.059328	0.993628	-47.422398
6.884708	1.661159	44.554581	426207.2855	24.188656	2.14993	-37.509673
3.101021	1.022373	11.529073	27771.45604	6.084138	1.939889	-45.931879
3.781001	1.394742	9.941488	12318.18905	3.152931	1.122704	-29.999743
4.377245	2.586859	0	0	0	0.972728	-3.856884
217.101486	131.153595	24023.62654	168193559	17.848796	1.625974	-24.174238
5.782896	1.811071	41211.34674	307453463.8	19.04687	1.852573	-24.78036
0.841886	0.048	0.082785	11.666668	0.863479	1.486176	0.075133
1.70876	0.39191	0.130625	11.045161	0.682168	1.243084	159.746332
4.996709	0.028917	17.354105	12717.42499	5.42211	1.481172	-52.01322
2.867158	1.678244	0.545923	200.03175	2.550065	1.377728	-35.190247
2.881345	1.715795	0.428068	84.456821	1.195116	1.297169	-39.868148
3.881414	0.842218	1.292738	327.92671	1.534334	1.281853	-48.473425
3.012081	0.571763	10.273043	5884.158684	7.585958	1.179332	-32.505986
4.584089	1.439803	17.171819	9079.029985	7.067386	1.006944	-33.690795
11.62824	1.970653	236.581996	698390.6092	39.221955	0.99716	-44.570712
12.891398	2.460209	235.705721	698400.1268	39.772061	1.566142	-46.768699
14.487432	3.216586	159.872025	243015.2174	20.515062	0.929506	-48.541563
6.802869	0.179828	147.888018	242717.5415	21.582553	1.169911	-55.112587
115.152053	39.832202	3394.880785	7740638.378	30.685908	0.940807	-29.064157
2.86353	0.645633	12.89261	6674.529022	6.919227	1.349758	-51.757816
3.208707	0.162555	3.136068	1243.569276	5.223266	1.184477	-60.925636
32.382595	10.891262	3329.22475	7737621.384	31.117186	1.113469	-30.347781
0.586793	0.540847	58.456305	51511.38807	11.93596	1.456667	-45.577342
2.702082	-0.201482	52.367115	58258.85364	14.504746	1.965382	-51.093212
42.185695	11.745784	1109.667743	2530143.843	30.34471	1.132887	-32.670192
23.807706	4.640685	390.639631	602401.7737	20.67579	1.054216	-39.954493
41.786842	11.361213	1032.685265	2536616.124	32.926033	1.13877	-34.230549
10.127988	1.89894	490.110404	599237.2554	16.654117	0.890555	-43.503742
0.546221	0.125329	34.669077	35514.61769	13.512481	2.55145	-71.76843
4.165044	0.463996	17.563366	18378.63558	13.724163	1.448266	-45.148904
2.439626	-1.105549	32.962439	46111.04544	18.263054	0.888112	-49.738896
23.334753	13.893848	165.8434	263052.5951	20.969132	1.799845	-24.908281
6.831268	2.402494	117.341191	220942.7038	7.87626	2.080358	-31.207337
2.776158	1.115007	0	0	0	0.963113	-43.415215
12.754848	5.183002	993.689844	4917942.115	20.939504	3.589504	-35.278282
114.991666	55.46534	25065.04963	59635412.18	32.176796	1.859548	-32.060602
147.15125	76.05217	24170.58013	59637166.08	33.327179	0.869743	-30.166293
3.71478	1.288913	24.088574	26268.07264	14.504808	1.235544	-56.319234
42.708487	16.940101	533.9426	7791895.97	19.151667	1.688595	-24.277817
1.576054	-0.215009	3.901935	17858.39761	5.947082	2.253785	-43.664342
4.080907	0.956346	3.404673	13989.42422	5.370271	1.187877	-42.214949
6.965364	1.654139	10.591845	48476.80694	6.025709	0.826143	-17.654826
22.150353	8.655418	504.558436	11332369.33	29.475001	1.234484	-30.309898
232.071977	119.933064	362.684703	7700410.679	27.89609	1.732428	-21.321641
21.416536	6.187949	362.698673	7504477.13	27.214272	1.146124	-24.150124
75.514961	35.633449	982.358362	12640686.21	16.814635	1.146962	-23.889254
4.096996	3.981554	31.86275	83863.65689	3.556142	0.747454	-32.413095
63.938995	29.701749	800.346659	15564952.85	25.517672	0.969955	-26.235443
34.107261	13.348746	424.828656	4037803.615	12.450741	1.907857	-29.875717
31.305095	17.972255	422.463557	7931810.085	24.538995	0.968809	-19.516328
38.983652	14.813271	351.652931	9204184.282	34.344913	1.659646	-29.841373
46.435661	28.631193	448.204901	8500306.968	24.93644	1.907265	-16.373438
13.996207	4.551354	303.819467	8103235.561	34.988256	1.688104	-34.046577
16.21047	5.279351	344.899528	7917904.965	30.042736	1.116067	-34.819035
3.006634	0.291564	293.561798	4339790.117	19.353665	1.616275	-27.84128
5.88208	1.984773	342.007062	7771486.916	29.717035	1.379678	-29.889097
23.645105	9.834594	287.332829	2680550.298	12.290082	2.444427	-30.974019
2.451605	0.225911	1.268192	1872.942952	1.925089	1.237583	-46.678091
2.495119	-1.053929	155.230651	1305158.805	11.03463	1.957692	-67.649542
5.122032	3.54529	2.414939	3036.845507	1.692023	0.903294	-15.165325
2.592788	0.499101	1.242219	3778.153784	4.039373	1.255284	-22.276881
7.435377	4.742197	10.515318	5927.560638	4.09454	1.502022	-21.609229
285.130554	164.99263	11101.02703	28159780.39	17.970398	1.167525	-23.569509
2.990041	0.694289	5.415088	2206.933273	5.2458	1.143342	-47.673087
2.917054	0.762144	20.13884	9094.947869	6.144307	1.882552	-45.888803
1.875928	1.283065	5.465591	2468.328309	6.046605	1.147164	-64.367976
4.539002	4.038431	3.555361	2937.155725	10.995572	1.47394	0
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5.51	2.27	112.29	1634225.74	18	1.29	-61.63
7.33	0.3	111.03	1634961.93	18.3	1.39	-51.92
1.13	-0.43	259.35	2938916.28	14.07	2.03	-71.22
-0.36	-0.83	23.41	142825.22	7.59	1.19	-82.75

170.468627	100.036109	14024.53422	20391270.36	19.185627	1.566843	-24.5367
23.821049	5.809391	7998.115256	338745337.8	49.099415	1.371398	-24.6995
27.298221	9.283001	5782.118104	128092317.2	25.489782	1.500769	-29.973749
90.026411	28.480639	9813.751231	304073251.3	35.703327	1.74622	-31.605928
246.712066	81.860252	11764.52039	302454568.5	29.712491	1.247081	-31.054365
1.116406	0.238494	10.214546	98562.59789	11.227105	2.28341	-66.430175
1.916157	-0.106586	10.614011	94266.28663	10.216417	1.349648	-67.842584
5.074633	0.743763	16.024926	196896.9836	14.290767	2.313274	-43.267069
18.959716	1.74806	383.780099	7118061.1	21.620417	2.695911	-45.433122
21.188705	3.788305	431.796492	4036754.504	10.942216	2.07745	-44.889961
6.651516	3.870706	3.871494	30506.04461	9.041255	1.077738	-26.7066
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72.645469	33.880748	6990.185533	348102512.1	57.465678	1.28593	-23.925107
141.677049	47.896336	7050.82016	349003302.5	57.445351	1.501785	-27.889487
23.059033	6.924556	6472.526653	349121027.2	62.193332	2.399341	-29.31942
1.711891	2.006095	2.227216	966.72071	0.493744	0.862194	-24.142989
36.43365	18.357318	33228.98281	974107214.3	33.940772	1.19116	-24.170024
2.751318	2.310899	2.319873	4221.394951	2.148408	1.391821	-19.729705
5.773261	3.175279	0.363104	139.419792	0.478548	1.457921	-20.786934
349.8656	172.085754	21527.86009	1026777407	55.092078	2.580346	-26.174742
6.613201	4.060862	21.385186	54622.26184	2.934801	1.080879	-43.508694
102.792358	46.534473	22064.8086	1018498752	53.509171	1.903212	-28.605585
5.598696	2.252191	5.171854	61301.32392	15.272365	1.210291	-35.015592
14.074109	6.778941	155.284113	3141918.021	23.42801	2.382582	-36.131513
79.182775	13.58865	5376.670472	270623768.7	62.211344	2.911816	-42.22602
3.610293	2.244513	2.326343	1436.947122	0.724725	1.427463	0
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21.716814	3.052466	4717.634806	268561589.8	65.7544	2.81099	0
28.846195	4.830459	6067.55349	267210553.1	51.116232	2.115998	0
25.169797	5.832934	6498.564658	266555594.5	55.130311	3.707017	0
142.653411	82.590621	3348.400703	10664474.54	22.268296	1.228503	-24.719933
4.774117	4.438782	6.884235	3715.640371	7.306445	1.750415	-23.450884
6.721693	1.732448	33.04888	45867.93596	18.758817	1.336776	-36.424605
4.470426	2.166289	5.972075	3354.883087	7.494796	1.401672	-4.63515
6.337789	2.705394	16.866853	11704.59833	8.931232	1.591113	-28.92914
2.444967	0.943297	9.42121	9443.434907	13.476279	0.561917	-55.541946
321.5914	189.784576	36474.52307	377102598	16.777115	1.491087	-25.137888
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12.780943	4.912049	123.925178	609868.7905	8.041616	1.586778	-35.065212
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25.308334	2.417883	5040.708731	139667802.4	45.109828	2.179732	-53.324003
14.627713	2.758256	5397.098951	228889536.2	69.012063	3.614644	-53.16928
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-1.482318	-1.073935	3.624919	2585.933253	1.181708	0.744406	-270.97319
4.415851	2.906943	2.149767	3889.551077	2.917239	1.028698	-18.599616
2.759942	-1.763278	2.548973	2608.978472	1.647079	1.067388	-20.344006
1.464199	-0.348285	4.631184	3208.017904	1.14408	1.373748	-10.182826
9.555868	0.384607	6522.140904	210182658.9	52.401153	2.52806	-22.616896
2.005138	-0.052663	2.633672	1089.160009	0.692429	1.021838	-23.780464
241.209457	141.521957	21976.59711	179269890	13.256865	2.211804	-22.952861
0.896529	2.428444	4.47439	2267.115467	6.913455	2.34488	-26.89707
12.852338	5.026381	53.092952	39767.44531	9.866491	1.531787	-29.92719
1.023992	-0.078327	6.468718	2422.58533	4.97501	1.09611	-67.867754
35.682399	9.869213	469.043232	1363950.806	38.475172	1.331248	-32.944542
13.684553	5.43566	91.410389	111763.6154	16.023964	1.108522	-34.882177
5.67185	1.927493	13.080766	11238.53462	11.333104	0.923512	-29.035368
6.260595	2.401229	12.005911	11373.01218	12.484304	0.919542	-39.34222
7.150724	2.270881	14.467478	10358.29116	9.381749	1.28577	-39.528542
2.561231	-0.131805	184.365563	170585.0611	12.317739	1.294872	-76.070171
3.633687	-0.804024	39.544656	72742.15919	24.044904	1.076869	-40.415189
7.501882	2.561416	41.024219	72752.53175	23.593991	1.783433	-43.677218
18.91226	5.525771	362.515958	399308.9414	14.901029	1.532854	-38.015606
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261.564147	151.988876	18796.79498	32092046.14	23.252975	1.12776	-24.137432
11.74	5.06	216.7	2819622.9	14.98	1.68	-24.37
32.2	11.34	186.91	2812972.4	17.27	0.83	-26.07
5.96	2.74	5.63	52344.47	10.78	1.88	-15.87
7.23	5.52	4.35	45366.4	11.92	1.06	-1.12
0.72	1.69	4.86	46449.3	10.98	1.54	-28.96
7.89	5.64	2	868.49	0.49	1.62	-15.58
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53.949077	30.803588	1510.086871	2495026.117	22.376597	1.766057	-26.484799
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4.008637	1.399196	0.347982	14.505323	0.474758	0.820779	-42.246099
6.61	6.49	1.84	2906.77	1.94	1.31	278.06
5.707495	1.895778	31.400726	155505.3824	14.671207	1.243498	-33.340322
3.966208	1.32083	32.36233	154268.2001	14.173013	1.10293	-43.674083
6.802965	0.977801	77.357096	181645.5077	7.084633	1.244052	-39.355155
25.395149	9.935038	302.879415	1871589.777	18.345455	1.099385	-21.462239
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7.844485	3.527062	68.371207	330747.5809	14.471576	2.61338	-42.224398
49.796245	28.407409	1250.860191	3964113.548	9.39088	0.952772	-22.767061
4.844216	2.042304	42647.29925	207060419.4	14.414687	0.994242	-33.227968
260.299918	148.056939	32825.5571	155896816.7	14.063599	1.383395	-25.485045
6.307243	1.526283	21.641424	128762.2665	17.629653	1.894588	-27.315557
2.672582	0.75638	0.20275	11.429167	0.269473	1.101457	-49.740255
299.471618	175.151458	12654.1143	45652578.97	36.687607	1.948699	-21.792161
2.437049	0.308104	0.291275	32.83879	0.610343	0.844868	0
2.812958	0.662251	2.845613	1128.39293	5.242929	1.906286	-38.838652
3.735593	1.377997	3.407803	1764.226492	6.83355	1.531589	-39.532062
4.494085	4.281013	6.558546	288.967826	0.558012	0.922938	-20.518204
3.528012	1.559829	39.678473	27097.45816	9.40485	1.168498	-62.562039
15.834356	1.986541	350.428216	393714.2601	15.277757	1.771527	-47.216456
47.494103	26.829518	1551.370997	2494884.408	21.680299	2.376616	-24.540526
1.355977	0.785596	2.487293	301.371086	1.689043	1.119286	-25.463291
217.612045	125.074012	0	0	0	0	0
3.079428	1.968274	9.50651	11508.37695	3.528771	1.535166	-41.077058
10.071128	1.128911	3195.713243	8842654.8	7.8216	1.414878	-48.398261
-4.539483	-3.076662	19348.73322	1673082.772	0.27217	1.007719	-37.238081
6.738726	3.412053	2770.703221	8864548.577	9.110627	1.486552	-91.611712
13.041098	3.656033	2612.614896	13038379.4	14.362741	1.239586	-39.226606
309.392272	179.825805	34800.48974	205055104.8	16.833714	2.022275	-23.892229
1392.203125	455.581887	76408599.49	6.11623E+11	22.938652	1.141151	-43.374172
3.114858	0.628627	6.353138	3009.114412	6.298368	1.345402	-45.691079
1.746775	0.484074	4.287545	9224.993806	4.288853	1.291174	-58.506758
0.155327	-4.415589	164.497791	1034808.919	19.823631	2.245661	-64.425321
4.698292	1.38859	63.921908	399647.6238	12.335378	1.605397	-56.744311
0.339976	-0.348453	22.265308	91729.51503	8.110022	2.174126	-68.930953
5.384037	4.788596	5.44389	15914.92034	5.737758	2.116316	-50.243013
2.23728	-0.717871	8.878568	25956.01893	5.774056	2.791842	-71.258382
3.760262	4.199965	9.534541	50319.886	10.358297	1.146499	-43.040478
4.781838	-1.723475	10.682748	28241.3898	5.249615	1.296917	-12.335513
8.644852	5.151274	3.414576	6391.328318	3.67877	0.956259	-30.086985
4.539751	2.121532	15.656108	30060.02992	3.791584	1.335233	-16.202954
4.284224	1.252642	15.314342	67820.89965	8.776402	1.734855	-47.733446
-3.922571	-6.905363	4.130111	1474.402213	0.701298	0.686965	-3.668631
8.812465	7.218031	3.262281	3619.693681	2.20278	1.563698	3154.650706
3.917152	-0.148781	5.122433	9637.479354	3.681095	1.650055	-59.021514
4.557142	4.990582	6.066115	16914.57286	5.499011	1.339433	-23.695271
7.182843	7.685913	8.435383	20509.63245	4.735528	0.912433	9.721215
8.163699	12.72817	4.832728	7367.191386	3.027985	1.059683	10.361617
5.78191	-0.31968	226.805343	3271500.342	28.476079	1.184674	-24.241033
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19.362276	9.447904	156.915144	1881865.087	34.421456	1.441572	-27.432771
7.125522	7.943499	4.142017	2837.414601	1.310141	1.172029	180.002715
5.211692	0.476362	27.324321	153171.5169	13.023894	1.105316	-45.794794
4.556038	-1.786462	15.214705	109069.8883	14.128492	1.023625	-23.801908
-1.130472	-3.4107	2.702246	3024.373228	2.155857	1.017175	-31.91157
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3.201815	2.267426	6.218982	3060.145125	1.008881	0.856993	9.428529
2.384572	1.248965	2.871256	747.977056	0.49433	1.321644	-35.390971
33.080265	18.051177	327.265023	2671298.694	16.07495	1.291023	-26.562095
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35.965011	17.919071	13879.71639	236495993.3	33.499776	1.01041	-23.964121
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16.501577	5.26224	132.251456	163155.0013	16.541628	1.734037	-27.033031
1.512899	0.868239	6.620812	3354.679534	6.744047	1.541823	-38.44901
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1279.430908	380.395813	70789080.27	5.43925E+11	21.409929	1.498368	-39.300044
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5.274909	0.42202	127.239793	788724.372	17.321346	1.499871	-49.393918
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3.718068	0.582955	34.330115	377488.8815	30.819282	1.647965	-43.666849
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2.562436	-0.151494	20.149372	102038.4163	14.092883	1.530532	-21.538207
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14.040055	5.33209	104.628217	966295.4593	25.811102	0.971828	-36.998245
11.253922	4.946367	95.327217	972650.6202	28.531651	1.403235	-32.541284
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2.21946	0.435378	854.900144	4635987.324	15.171966	1.5417	-79.399796
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46.286435	23.773611	4218.296791	56308065.61	37.458852	1.295476	-34.733265
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0.826908	-1.231896	3.81274	8422.706379	7.833315	0.991711	-44.797088
27.242333	4.1851	1432.725197	15261179.09	37.825288	3.243267	-44.594573
55.318344	31.53849	846.546902	8350857.207	34.761772	1.819369	-23.99754
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48.802176	25.594494	958.423376	8553682.442	31.57803	1.610137	-27.954518
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34.132095	12.674556	501.966114	669023.9678	18.004565	1.415938	-28.948528
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19.147192	10.922944	183.873874	181395.9221	15.064265	1.565253	-32.163847
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9.967481	5.737128	26.655275	132327.5103	5.389949	1.704492	-41.413449
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1.641793	-0.651751	3.435804	26262.82453	8.431253	0.948519	-663.872043
7.174052	6.026155	1.34244	1765.407613	1.435733	0.944341	-71.808814
5.03883	3.582556	1.425638	140.611495	0.109071	0.740595	8.165142
2.110333	1.762219	4.3835	1080.867115	0.302728	1.498573	53.682361
2.39264	-0.760158	2.069756	1769.223107	0.958661	0.942371	-70.369423
12.34717	11.127904	58.70084	448701.2615	8.411372	1.489401	-8.168455
-1.82415	3.062957	2.998492	2760.266424	0.991002	0.684118	-165.481295
3.374257	1.442362	2.053893	911.594716	0.529963	1.176044	-23.935947
23.741308	13.122783	287.187019	341641.3798	16.142514	1.565645	-23.775924
262.084472	151.288009	22749.62232	28817343.06	16.767854	1.429162	-26.071182
2.386647	1.70954	7.901942	2263.02368	4.157453	1.163596	-45.347491
0.177633	-1.203579	7.665108	2870.642775	4.933894	1.214113	-60.265835
7.528249	0.073516	89.688825	90888.31835	13.856401	1.348627	-52.003039
2.71317	-0.362526	17.355231	12808.1707	9.708301	1.412217	-53.280151
3.482314	2.748028	1.302285	258.202519	2.713329	1.094578	0

5.474539	1.76567	3.897987	29276.16402	3.199729	1.34946	-39.445613
1.168861	-0.250062	0.921432	2395.55572	1.116234	1.286224	-75.334208
4.881097	1.894102	2.689164	20197.19862	3.170236	1.304653	-29.313206
6.003314	1.610214	6.47643	100490.7166	6.664452	1.188464	-29.591169
3.775819	0.352962	0.931643	6804.960295	3.103513	1.799937	-61.81818
0.834853	0.130059	1.270341	10065.24189	3.341698	2.15526	-69.497878
62.825601	19.838097	2738.992859	168301501.4	26.368547	2.834344	-41.573569
2.998872	0.127541	10.507944	173018.711	7.13123	1.041414	-50.622889
1.903896	1.147569	0.491255	3081.438017	2.707098	0.965471	-61.343836
125.20684	45.964581	2866.836222	168230552.8	25.176683	1.890676	-26.064539
4.504854	1.786297	0.705636	203.8363	0.150948	0.702822	-23.126313
-1.155826	-3.584194	1.068554	1234.687469	0.505569	1.133159	-534.820191
-0.085611	-3.091428	0.770295	1811.902194	0.988189	0.995031	-87.775179
5.311793	2.713675	1.081947	9465.516835	3.864557	0.5	77.576777
3.849817	2.055321	0.295863	366.281669	0.528625	1.26164	-46.218188
2.90184	1.722571	1.413388	14348.2497	4.350838	1.068319	-13.177076
1.912422	1.659215	1.228315	12874.95965	4.451771	1.446857	-784.666099
-3.691266	-2.533302	0	0	0	1.129191	-66.976332
7.618067	6.413481	0.303876	213.180713	0.285828	0.662171	-200.041189
-3.493234	0.0307	1.278807	2744.170135	0.925019	1.270143	-2915.112181
3.351677	-2.575706	0.341841	310.348431	0.362041	1.398902	-57.587971
3.615576	5.02355	0.42853	2475.78023	2.455684	1.276485	-54.103895
6.238516	2.601893	0.543533	1099.069175	0.869402	1.026361	-50.595083
8.983261	9.204887	0.357976	546.585787	0.659526	0.980514	-33.159878
2.908183	3.787916	0.54522	1462.474465	1.14931	1.171891	33.498929
1.716134	2.21572	0.276925	148.5624	0.210346	1.57628	-18.936373
2.445154	0.49934	1.137614	2112.565039	0.779891	1.035283	18.911784
2.848386	1.639706	3.073503	10780.90196	1.517719	0.973485	-47.744276
2.126757	-1.071031	2.817152	4766.466914	0.717165	1.30845	-30.943995
8.609293	6.444766	4.115353	42117.36356	4.378044	0.924219	-43.594756
-0.512548	3.700018	1.470246	2002.195459	0.571236	0.705619	-44.394911
4.332028	6.154384	0.240266	466.008106	0.82898	1.57009	274.87276
-0.253115	-0.113464	1.106678	867.71566	0.359468	0.782417	79.250542
360.353729	207.006744	17219.36527	42224059.53	17.418665	1.892571	-24.903975
4.506109	1.825388	7.827265	12795.62865	11.528994	1.721326	-66.871171
9.227666	3.028795	8.302681	13338.80244	11.491119	1.675373	-26.750126
2.273488	0.973653	1.950987	494.903473	1.917872	1.173327	-62.26744
7.244573	2.29695	32.637902	15099.18262	6.124957	1.628043	-28.439008
17.653676	6.17723	153.67653	155731.7917	13.37579	1.508954	-26.277941
4.137929	2.070155	4.129134	1864.767854	6.085638	1.462301	-19.799272
4.325658	1.690749	7.239704	4545.457795	8.407628	1.563811	-19.184938
21.77627	11.869387	242.225968	437568.9076	23.822884	1.851023	-17.569844
5.309415	1.107291	195.761427	403227.9561	27.569264	1.006089	-52.451507
23.991018	9.059566	179.161366	416398.0869	30.583908	1.462598	-32.016296
38.479886	23.062456	1524.488658	6985531.15	60.921701	1.796105	-25.452057
50.828611	31.92766	1643.266172	6986780.909	60.047308	1.731306	-24.114911
5.24381	0.035518	55.050041	72764.71012	17.822051	0.939307	-50.490658
10.018865	2.832969	60.503791	33322.26392	7.538053	1.244241	-32.07034
1.243507	0.060953	1.642906	524.798812	4.39656	1.05815	0
9.056417	6.728027	1.512613	210.173112	2.094044	1.11556	-227.503821
2.74268	0.699725	2.371693	197.723797	1.020555	1.390833	-100.057029
3.188497	0.686161	1.288438	143.21968	1.231976	1.323311	-84.778256
3.913756	2.293791	0	0	0	1.055572	136.691606
5.264585	5.863974	6.163851	1541.607477	3.844945	0.99956	-54.805417
1.398661	-0.325997	1.622023	563.438142	5.370672	1.250864	0
1.387231	-0.268389	1.577498	306.864104	2.867528	0.816759	0
8.39155	2.049817	41.514525	226348.8923	11.41337	1.521106	-34.586143
0.355612	-0.341319	112.284568	182849.4683	3.410747	1.236089	-37.480094
12.134488	0.641588	1	1	19.936661	1.112061	-40.961881
276.354314	52.390464	1	1	25.510314	2.471506	-47.317932
-1.243328	-0.485143	0	0	0	1.51858	-39.800458
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1135.503662	297.722381	1	1	26.440324	1.30943	-41.60039
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11.539033	-0.433599	1	1	18.039533	1.246681	-40.768096
1.222228	1.514007	0	0	0	1.381997	-38.834768
96.687225	12.084899	1433.371693	4357116.994	6.467725	1.374984	-43.52875
1.340775	-0.608951	3.848039	5245.148644	2.857617	1.320435	-45.374445
5.884402	0.540374	2416.059603	4080144.432	3.492067	1.319887	-38.791315
1.294685	0.076713	392.210288	1731569.489	9.235284	1.084239	-68.268241
1.280985	0.747296	21.45481	185559.7113	18.055735	2.764678	-47.020479
-0.259369	-1.424688	19.777289	36500.43619	3.890356	1.082483	-38.745461
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258.141632	147.58319	10121.09411	26244535.12	19.183385	1.356337	-24.565049
12.451787	3.867689	56.194095	77608.69145	10.049676	1.302074	-41.797358

4.417917	2.67136	0.617459	34.806616	0.27216	0.90549	0
4.214803	1.132152	7.753599	11871.34959	20.184444	1.147555	-37.61571
5.72566	1.299018	1194.144569	3314662.797	37.001355	1.42112	-15.304595
0.576078	-0.1777	1.601995	282.334085	2.851795	1.262864	-49.072714
9.970144	2.690841	65.572017	66448.97426	13.12827	1.581319	-38.459814
19.335706	7.690867	154.251046	113837.363	9.802063	0.944182	-23.972352
19.986698	3.138702	1039.409576	3320218.131	42.711577	1.481393	-48.889824
24.443036	4.636587	1073.485475	3322648.482	41.027108	1.316202	-48.670857
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3.640027	-0.032039	260.024731	320785.3925	16.254262	1.040266	-77.416766
2.746309	1.33269	1.584843	226.94029	1.906522	1.364123	0
3.301849	1.461515	2.426921	53.464767	0.310353	1.312926	0
18.434671	5.987033	141.753368	527225.3895	13.109516	1.592157	-29.352983
11.395769	2.812923	162.436548	500922.0786	10.709426	1.135105	-30.499894
6.917844	0.132971	122.515569	440357.1859	12.600787	2.264422	-46.584965
12.889836	5.136377	112.373368	597074.1735	18.505084	1.783803	-36.227454
8.633525	3.665715	118.289278	582909.6371	17.127382	1.361892	-41.847876
20.49014	7.205133	118.275064	708525.9307	20.887711	1.109223	-34.61
12.264699	3.334547	120.086498	713121.8569	20.870381	0.981071	-33.384178
4.774008	0.97237	20.883161	50692.86951	8.556129	1.951608	-44.801041
3.818623	2.498708	5.05009	5050.857388	3.538081	1.519221	-36.76702
3.51354	0.913164	3.153206	1866.35941	4.292327	1.278462	-49.721178
3.80496	2.010402	6.607035	4366.563845	8.51871	1.146363	-5.448192
6.14594	4.263061	12.574739	5955.927063	6.315072	1.082381	-8.116866
8.171186	-0.589329	1252.102562	1351599.073	14.410771	1.925919	-66.019831
7.780233	1.874747	46.472065	33272.63795	9.15576	1.282453	-23.992745
6.966665	1.232413	7.025244	8744.23459	16.519111	1.618092	-45.28536
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11.608483	4.772444	45.124838	21944.86157	6.960756	1.29607	-32.302984
7.710682	-0.313435	2.366602	328.832228	2.208876	0.733233	-36.895579
212.764846	123.154556	4905.02291	106600860.3	12.737107	1.191137	-22.932987
5.670374	4.024789	0.417566	4276.545468	6.057154	1.287404	-51.63429
4.481825	0.900047	35.942613	617675.2342	10.111741	1.688304	-65.013589
5.367953	4.583307	0.703645	1978.721057	1.711229	0.99537	-39.115396
6.006145	2.721404	0.514761	536.133093	0.642442	1.380892	-31.193563
3.951843	2.990494	0.960614	333.498969	0.20553	0.79666	-15.855585
13.811998	4.373352	19.617401	343936.4346	10.286393	1.931413	-42.969641
2.969436	-1.123995	0.353809	3144.522171	5.24915	1.386175	-27.246532
1.840554	0.700733	0.590066	2765.540236	2.838465	0.77291	-48.385749
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258.705322	152.663726	24669.9912	28532524.5	15.080482	1.769591	-25.109521
21.546102	3.371177	4663.460477	6215492.918	17.722909	1.230942	-66.171504
336.597717	191.306213	38084.04929	353668224.9	8.970786	1.289717	-24.934504
1.124516	-0.864626	2.175203	7613.400558	3.340487	1.080968	-45.135264
3.050725	2.101697	1.710853	12290.16132	6.992613	1.049825	-26.85724
4.358881	4.386125	1.988396	20485.80183	9.991478	1.383275	-15.117802
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4.537629	2.364179	1.030084	1846.305211	1.691377	1.04029	-23.286408
3.229337	1.702505	1.771063	5449.012149	2.967792	1.262171	-88.46004
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3.845772	2.343888	4.063813	14682.52452	3.484209	1.096281	-31.541204
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4.492239	2.498195	1.643983	20278.49939	11.905534	1.002687	-20.806798
0.446153	-0.595394	2.330161	10260.47789	4.309282	1.195517	-16.033337
3.767481	2.966752	4.870979	71220.18103	14.21339	2.458444	8.26315
4.738905	2.795688	1.542429	2002.720384	1.267265	0.643137	-1.736337
3.96591	2.329961	1.744771	4875.629785	2.728831	1.472173	-25.527777
305.147308	176.516235	10878.73445	27902515.74	18.076301	1.229128	-24.240441
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31.060525	17.736984	470.877983	622402.798	17.285471	2.448785	-21.071391
6.57105	2.262382	24.263169	18440.74774	10.091939	1.314711	-37.812548
1.755021	0.630508	4.233128	4616.135009	14.072246	1.735308	-51.121451
4.12914	1.639918	8.321924	8616.552163	14.092888	1.007307	-28.78348
3.604284	0.576804	18.471627	29502.24479	21.295761	1.314943	-51.660164
5.481237	2.431254	370.638039	775685.1835	27.883322	1.046807	-26.948961
7.639699	1.64524	20.146532	29514.39284	19.644698	1.13022	-34.204487
1.616566	0.098532	8.120917	10197.45593	16.239199	1.523059	-58.478876
40.173712	18.85806	462.874502	1187957.996	33.846365	1.400974	-33.714439
4.401333	0.795884	43.244514	90027.40496	27.632259	2.057643	-44.493384
8.050687	1.659522	91.922463	152890.5024	22.188398	1.467958	-48.567595
4.682973	1.656127	3.255755	4375.155714	17.901729	0.970534	-39.943194
1.899144	0.116023	4.846012	3736.495436	10.080292	1.172902	-56.389743
3.297283	3.169137	6.04873	4454.400223	9.970641	1.469473	-42.649384
238.089172	139.972198	16099.52759	170958262.3	18.57631	2.000212	-24.464307
1.743603	0.808496	2.807234	8478.260699	5.217678	2.134361	-48.200254

10.503058	5.350835	4684.192131	74809067.71	27.927719	1.274068	-29.673599
36.811924	4.850357	3702.131228	80458338.41	37.897029	1.70455	-61.478058
25.51032	4.809061	4204.377836	80351928.45	33.413869	1.305602	-60.233647
4.961519	0.959972	7.423732	25559.67009	5.98583	1.444327	-36.595351
14.407093	5.076108	1070.878299	17956333.84	29.264344	2.595817	-31.11432
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4.236716	2.82139	0.765038	1811.454306	4.165475	0.994025	164.227287
6.179774	-0.498014	134.847237	879678.3471	11.393442	1.341286	-63.116079
0.003901	-0.2005	19.455787	73566.69397	6.684485	1.820119	-75.243506
5.824747	1.745671	8.809357	13941.31035	2.725805	1.078079	-33.097809
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222.471099	131.867614	6032.846461	18874212.71	21.978883	1.624754	-23.183013
1.521055	0.184312	0.280545	94.887454	2.508107	1.804082	-51.730784
3.390958	1.631498	0.181486	30.691556	1.217025	1.221745	-62.807841
3.806707	1.75506	2.494743	984.413284	3.072589	1.292008	-23.759025
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8.764623	3.058047	24.550057	23526.30246	12.902646	1.402834	-24.225499
0.635368	-0.404618	2.992858	2670.257343	11.876385	2.780449	-45.326658
4.314313	0.489432	20.562711	18119.75315	12.137235	1.085619	-47.659217
8.542943	3.920047	64.5372	83883.01543	17.578059	1.013736	-41.696228
11.764852	6.022109	64.438017	82334.53996	17.021609	1.017159	-30.828282
9.679716	1.733966	85.678078	75499.07164	11.739956	1.301611	-47.24874
1.034841	0.528945	11.140435	8098.937056	9.361318	1.964635	-81.188332
5.579137	2.719115	10.072384	9097.625782	11.999931	1.043958	-36.485243
15.049077	5.244117	398.186096	859654.7521	28.916392	1.427763	-56.976896
7.000707	2.397857	25.891678	23671.1964	12.477158	1.32528	-36.806546
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23.898359	12.05038	163.751924	230875.7328	18.817248	1.431883	-27.57118
3.901051	0.590885	3745.690584	7550311.93	27.174019	1.842576	-27.958541
8.711126	5.073775	143.510074	183367.4657	17.16339	0.950854	-26.518388
7.356542	3.092589	14.707689	11988.31316	11.093236	1.61692	-46.157386
3.88619	1.6697	5.050739	3226.746553	8.74293	1.106524	-35.945602
3.036435	1.033572	4.441312	1858.988916	5.635631	1.140028	-52.496806
4.901347	2.237761	1.869012	285.663085	2.248194	1.979174	-26.434206
1.358749	0.599983	1.469568	1082.21823	10.23929	1.131471	-38.824459
3.981392	1.433976	5.465322	6910.450449	18.91275	1.678727	-43.508306
4.598219	0.965845	14.794532	20762.12299	20.626819	1.680728	-43.865752
2.39786	0.916083	2.944881	818.364926	4.161575	1.34373	-49.326701
1.791181	1.072981	1.913391	930.509812	7.132511	1.131982	-44.813975
2.048332	0.468204	12.232472	9008.225414	10.088669	1.701749	-57.197637
6.49641	1.316493	30.182899	36486.26035	18.498575	2.050964	-42.106108
2.625777	0.30602	2.575296	5088.823073	2.03969	0.826201	-42.410791
3.356361	0.326025	2.893707	2153.076414	0.785403	0.971284	-29.192128
1.233095	-0.345834	0.617633	145.891089	3.535018	2.443392	0
23.195545	5.606312	204.445052	1398820.927	16.336561	1.274582	-35.745635
8.386054	3.285861	48.11861	282054.7404	13.976858	1.588074	-41.720608
11.211945	1.220732	162.211146	897258.2695	13.146708	1.204074	-44.566077
2.802871	1.116562	6.595173	8303.440219	2.932094	1.300243	-48.999562
14.171099	5.34833	169.902903	2168914.777	30.275103	2.800847	-28.609308
2.339942	0.035208	159.559575	1228382.683	18.413322	2.484183	-39.327574
2.920553	0.715582	3.717012	1885.776319	3.638014	1.008185	-53.669433
28.485898	15.663116	1337.156151	3682171.738	36.876337	0.897282	-29.644806
69.987906	39.660139	1173.677233	3710329.525	42.39522	0.960666	-27.144443
13.907323	7.935309	0	0	0	1.172567	-28.718344
3.345853	1.128814	5.40691	1727.146161	4.105259	0.841511	-32.887803
0.759732	0.102725	5.112654	2477.884245	6.752119	1.126228	-58.201673
21.478427	8.740975	185.483228	1473870.291	13.147388	1.057081	-34.528505
0.099939	-0.83368	53.905693	415633.3542	12.838691	1.174792	-81.744735
64.934759	31.428962	1117.849737	20433177.14	30.349752	0.889566	-27.22351
42.810511	21.117085	1105.963006	17945548.66	26.898767	1.958302	-27.451278
4.727432	2.022134	7.639001	7203.008705	1.589186	0.985157	-31.890725
35.618476	17.036272	446.60823	7137076.854	26.385702	1.232856	-32.019891
6.046055	2.525361	27.691763	133004.2637	7.914326	1.352076	-26.981275
9.337789	3.613693	138.026692	837833.3724	10.012341	1.538663	-31.527314
12.795745	7.411107	1113.295173	43050860.7	64.451434	6.676716	-32.135667
4.717978	2.01936	9.937129	36699.05659	6.182628	1.094197	-53.405827
12.570967	4.428802	124.450141	2269934.865	30.258789	1.974591	-29.087352
14.866214	4.441021	162.698233	2234066.554	22.775151	1.063417	-32.328346
26.571746	11.281078	289.562853	3131383.539	17.923768	1.302483	-31.360538
11.505273	2.772275	127.303201	380118.5007	4.998721	1.609685	-36.359921
22.62181	9.572242	1113.932272	36007483.16	53.66792	1.51595	-33.835585
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61.390239	31.836845	1395.658648	47622821.56	57.075103	2.424148	-28.212761
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8.026844	4.123535	56.406245	820518.4444	24.071235	1.593031	-28.904729
28.161371	12.657299	284.934974	3960119.563	23.050485	1.906371	-33.444124
7.257204	3.405859	73.16762	362205.9359	8.292366	2.204332	-33.964608
13.817871	6.809972	52.369227	341032.522	10.836741	1.291324	-29.251285
3.787034	0.819389	13.998171	12511.77154	1.521597	1.119847	-45.598191
6.070571	3.47852	57.693075	457302.2376	13.080962	1.199099	-38.415168
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159.59869	60.588572	35102.33104	697489923.9	32.967473	1.580547	-36.782015
9.894713	4.336734	138.656826	3539595.501	43.811019	1.110155	-42.099059
15.289812	6.395958	283.733463	9519946.749	55.958068	2.970156	-26.810484
10.155073	6.499155	254.998496	9570194.317	62.508037	4.395198	-18.733899
15.606017	7.426414	320.799152	9673367.451	50.222311	1.241742	-34.334842
13.943752	5.319205	262.622594	8705865.67	55.284013	0.981885	-29.961708
11.026315	5.262281	276.429954	7686543.154	46.197888	1.09725	-30.174808
6.149766	3.038017	268.663229	7446828.26	46.097673	1.706674	-29.290485
17.688203	9.738814	3151.032993	106931854.8	56.389856	1.129239	-45.129977
1.733829	2.475106	14.120499	95975.91129	11.223437	1.467778	-27.600172
9.765195	5.550616	3279.94193	110758770.2	56.036261	1.101583	-39.209712
8.475752	4.390509	22.707651	149881.346	10.907101	0.956003	-38.239064
111.341361	39.968458	0	0	0	2.175375	-25.37643
22.945726	10.245711	256.585673	5877153.676	37.951564	2.122737	-25.321233
3.152585	0.784656	10.17049	37061.40569	6.097135	0.937757	-49.85574
0.545652	-0.005458	7.198026	28916.30853	6.685707	1.84146	-65.987869
21.772962	11.806683	16142.98034	510241590.3	52.789063	2.813172	-39.967735
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12.300687	5.399981	65.910901	213445.2449	43.814313	1.887597	-39.417871
4.595655	0.825782	14.583006	41603.39164	39.473208	1.379294	-38.334864
13.401206	6.499196	56.06812	993816.8779	14.840678	2.342875	-32.347218
26.120212	11.639482	218.390336	3467074.472	13.298159	1.623589	-37.098045
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3.897162	1.276601	1.248514	1860.214056	1.240711	0.919835	-10.343987
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PercentDiffChannel23	PercentDiffChannel34	LandUse
-41.668891	-43.83895	ParkerFlats-E20c.2
-58.510318	-74.966176	ParkerFlats-E20c.2
-47.893898	-46.041392	ParkerFlats-E20c.2
-57.104427	-37.628579	ParkerFlats-E20c.2
-45.054374	-54.37328	ParkerFlats-E20c.2
-49.164219	-70.66973	ParkerFlats-E20c.2
-56.210102	-79.225023	ParkerFlats-E20c.2
-60.986136	-52.03382	ParkerFlats-E20c.2
-45.19818	-15.768407	ParkerFlats-E20c.2
-35.542147	-42.1414	ParkerFlats-E20c.2
-33.512172	-40.695387	ParkerFlats-E20c.2
-91.420744	-75.306332	ParkerFlats-E20c.2
-45.482456	-56.180607	ParkerFlats-E20c.2
-48.440515	-65.845274	ParkerFlats-E20c.2
-57.535525	-77.284265	ParkerFlats-E20c.2
-87.981462	-38.246676	ParkerFlats-E20c.2
-41.976733	-46.956129	ParkerFlats-E20c.2
-49.184164	-57.147677	ParkerFlats-E20c.2-QC
-52.097804	-54.721899	ParkerFlats-E20c.2-QC
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-55.691083	-108.248447	ParkerFlats-E20c.2
-46.605383	-52.089409	ParkerFlats-E20c.2
-39.266917	-52.493555	ParkerFlats-E20c.2
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-40.605546	-40.663076	ParkerFlats-E20c.2
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-27.556122	-49.636877	ParkerFlats-E20c.2
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-48.954078	-55.438791	ParkerFlats-E20c.2
-49.649434	-53.761947	ParkerFlats-E20c.2
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Appendix C

Nonconformance Report

[Non-Conformance Report -002]

[12-31-2009]

Originator: Donald Kean UXOQCS
Project: ESCA Remediation Program Former Fort Ord
Project Manager: Linda Temple

Description of Non-Conformance:
Parker Flats Parcel E20c.2 grid C2C6F9 QC Blind seed #3 was missed by the dig team. The seed was identified by GEO as target #31. The coordinates for Blind QC seed # 3 were Northing-2124567.279/ Easting-5741366.591. Coordinates for target 31 were Northing-2124567.07/ Easting-5741366.71. Therefore the offset calculations were N. -0.209 E. 0.119, offset = 0.241

Actual Cause:
Flag 31 was not thoroughly investigated. The team dug a hole next to the flag location however they did not dig down to the seed which was at a depth of 12 inches.

Action Taken to Correct Condition:
SUXOS and UXOQCS discussed with all the UXO Techs the importance of investigating thoroughly around the full radius of the flags to ensure all anomalies are investigated properly.

Action To Prevent Recurrence:
UXOQCS will brief the UXO dig teams regarding the process and will conduct periodic checks to ensure process is being followed.

Linda Temple Linda Temple 1/5/10
Project Manger name/Signature/Date

Bruce Moe Bruce Moe 1/5/2010
SUXOS name/Signature/ Date

Donald Kean. 1/5/2010
UXOQCS name/Signature/ Date

Appendix D

Independent Quality Assurance Report

ERRG
Engineering/Remediation Resources Group, Inc.
4585 Pacheco Blvd.
Martinez, CA 94553
P: 925.969.0750
F: 925.969.0751
www.errg.com

Transmitted via email: *stan@fora.org*

July 29, 2010 Ref.: 28-006

Mr. Stan Cook
Fort Ord Reuse Authority
100 12th Street
Building 2880
Marina, CA 93933

Third-Party Quality Assurance (QA) Oversight Services
For
Parker Flats MRA Phase II Remedial Investigation (RI)
Work Area III FOR A DGM QA Resurvey Report
Former Fort Ord Facility, Monterey, California

Dear Mr. Cook:

Engineering/Remediation Resources Group, Inc. (ERRG) is pleased to submit this Quality Assurance (QA) oversight report related to munitions and explosives of concern (MEC) activities at the former Fort Ord Facility. ERRG in partnership with our team member InDepth, Inc conducted provided MEC QA oversight and geophysical QA oversight respectively.

We appreciate this opportunity to provide you with this interim report. If you have any questions or need additional information, please do not hesitate to contact me at (623) 266-9532. Thank you.

Sincerely,

Frank Cota
MEC Operations Manager

Table of Contents

List of Appendices

Acronyms and Abbreviations

AOC	Administrative Order on Consent
Army	United States Army
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
DGM	digital geophysical mapping
DQOs	data quality objectives
ERRG	Engineering/Remediation Resources Group, Inc.
ESCA	Environmental Services Cooperative Agreement
FORA	Fort Ord Reuse Authority
MEC	munitions and explosives of concern
QA	quality assurance
QC	quality control
QAOP	quality assurance oversight professional
QASP	Quality Assurance Surveillance Plan
RI/FS	Remediation Investigation/Feasibility Study
SOP	Standard Operating Procedure
U.S.EPA	United States Environmental Protection Agency
UXO	unexploded ordnance
Weston	Weston Solutions Inc.

Section 1. Introduction

In Spring 2005, the U.S. Army (Army) and the Fort Ord Reuse Authority (FORA) entered into negotiations to execute an Army-funded Environmental Services Cooperative Agreement (ESCA) leading to the transfer 3,340 acres of former Fort Ord prior to regulatory environmental sign-off. In early 2007, the Army awarded FORA a grant to perform munitions cleanup on the ESCA parcels. FORA also entered into an Administrative Order on Consent (AOC) with U.S. Environmental Protection Agency (U.S. EPA) and California Department of Toxic Substance Control, defining conditions under which FORA assumes responsibility for the Army remediation of the ESCA parcels. In order to complete the AOC defined work; FORA entered into a Remediation Services Agreement with Levine Fricke-Recon Inc. (LFR) to provide Munitions and Explosives of Concern (MEC) remediation services who partnered with Weston Solutions (Weston) to provide the actual MEC removal services. FORA, having the responsibility for management and quality of the ESCA remediation program, developed a Quality Assurance Surveillance Plan (QASP) and hired Engineering/Remediation Resources Group, Inc. (ERRG) as an independent third-party Quality Assurance Oversight Professional (QAOP) to implement the QASP.

The QA efforts by ERRG in support of the Parker Flats Remedial Investigation/Feasibility Study (RI/FS) have been implemented in compliance with the QASP in an effort to satisfy regulatory concerns. Data contained in this report applies specifically to Parker Flats Work Area III which includes all or portions of parcels L20.8, E20c.1, E20c.2 and E23.2, a map of this area can be found in Figure 72910-A1. It is recognized that a MEC removal action may not successfully acquire and recover all MEC at the Munitions Response Site. The regulatory agencies have expressed concern regarding the residual risk that remains after MEC removals have taken place, particularly in areas that are slated for residential development (i.e., unrestricted land use). The effort is also intended to satisfy the requirements of the ESCA for the Parker Flats RI/FS.

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Section 2. Weston QA Efforts

The Weston team developed a quality assurance (QA)/quality control (QC) project plan to provide unbiased evidence of the quality of the data acquired and decisions made during the MEC investigations, as evaluated against the measurement performance criteria described in the Final Group 1 RI/FS Work Plan, Volume 2. The measurement performance criteria established are called Data Quality Objectives (DQOs). The primary methods used to provide evidence of compliance with DQOs are:

- Prequalification of policies and procedures
- Acceptable performance on test grids
- Auditing of field activities
- Acceptance sampling of completed work

The FORA ESCA Remediation Program (ESCA RP) is committed to using the Best Available (and appropriate) Detection Technology for locating subsurface MEC as established by the Ordnance Detection and Discrimination Study and subsequent projects. Where there were physical impediments to the use of Digital Geophysical Mapping (DGM), manual analog detection technologies were used.

The evaluation of each operation was accomplished through auditing. There were two methods of auditing employed, performance and procedural auditing. Performance audits were accomplished by burying a MEC simulant within the project boundaries (A procedure known as “Blind Seeding”.). The system performance was evaluated based on whether the MEC simulant is located and recovered. Procedural audits were accomplished by checking the field operations against the policies and procedures in place.

Blind seed items were placed within areas investigated. The Unexploded Ordnance Quality Control Specialist in consultation with the Remediation Project Manager and determined the locations of the seed items. Seeds were located using a survey-grade GPS or equivalent within DGM grids. The blind seeds consist of equivalent MEC item simulants, buried no greater than the depth interval at which a 100% Possibility of Detection (Pd) was determined for the geophysical instrumentation used. The locations of the seed items were not disseminated to the other project personnel. QC and QA personnel reviewed the DGM data against the seed locations. Blind seed items were also placed in near-surface investigation area grids as a quality indicator.

ERRG's continuous review of the Weston team's implementation of the project QC/QA Plan resulted in no deficiencies noted in the Parker Flats Work Area III, in the portions of parcels L20.8, E20c.1, E20c.2 and E23.2 that are the subject of this report. Field inspection reports are located in Appendix B.

Section 3. FORA QA Efforts

Having the responsibility for management and quality of the ESCA remediation program, FORA developed a QASP and hired ERRG as an independent third-party QAOP to implement the QASP. The QASP addresses specific Comprehensive Environment Response, Compensation, and Liability Act (CERCLA) requirements pursuant to the terms and conditions of the ESCA RP Programmatic and Site Specific Work Plans (Work Plan) governing the removal of remnant munitions and explosives of concern. The QASP objectives are to:

- Set forth procedures and guidelines that the independent third-party QAOP applies to monitor and evaluate the quality and safety of the Weston Team field work and related documentation.
- Outline procedures for working with the Weston Team to monitor their Quality Control QC/QA Program.
- Outline procedures for correcting deficiencies.

The surveillance methods utilized by the QAOP included:

- 100% Inspection – At the completion of key milestones, performance was evaluated through 100% inspection (e.g., document review).
- Periodic Progress Inspection – Periodic inspections may be conducted to evaluate progress toward and/or completion of key milestones and deliverables.
- Performance Metrics – Two categories - qualitative and quantitative have been established. Tasks that can be physically measured or evaluated are in the quantitative category, while tasks that are more subjective are in the qualitative category. Qualitative assessments/observations as observed by the Quality Assurance Oversight Professionals were entered in the comments block of the Quality Assurance Report (Appendix B).

The QAOP evaluated the Weston Team's program quality performance through the following methods:

- Review of Quality Control documentation and activities
- Qualitative review of Quality Control data for Instrument Functionality Checks
- Qualitative review of Quality Control root causes failure analyses.
- Observe adherence to the approved explosive safety submissions
- Observe work plan implementation and adherence
- Observe field activities
- Provide additional independent third-party blind seeding of DGM areas and perform dig sheet review for detection and recovery of blind seed items.
- Review of MEC waste management documentation

Section 4. Digital Geophysical Mapping QA Procedures

ERRG has partnered with In-Depth to provide the services of a registered California Geophysicist, Mr. Brian Hecker, to provide Digital Geophysical Mapping Services QA Services. Digital QA procedures performed by the QAOP included the observation of Weston team field QC procedures and activities Weston, conducting and collecting site-specific data to comprehensively analyze the entire digital geophysical survey including data acquisition, processing and interpretation. A seeding program was implemented to in accordance with the FORA QASP. Monitoring of digital geophysical activities included:

- Operator performance
- Equipment performance
- Operator/Equipment procedures
- Unexploded ordnance (UXO) detection to depths of concern
- Removal of UXO of concern

4.1 OPERATOR PERFORMANCE

The Weston Geophysical instrument operators were evaluated by the QA Geophysicist observing their instrument operation, data acquisition, and reacquisition procedures. Geophysical data processors were evaluated by analyzing the quality of the data processing, as shown in the processed data files and the target selection/interpretation results listed in the dig sheets. Appendix A contains detailed results of the operator performance auditing.

4.2 MONITORING DIGITAL FIELD DATA ACQUISITION

The QA geophysicist evaluated the acquired and processed data. Data that indicated any of the following issues was noted:

- Data gaps along survey lines.
- Unreasonable data (e.g., systematic “spikes” or noise)
- Data incongruity across survey grids
- Inadequate data density along survey traverse
- Lack of accurate, precise locations; survey line orientation
- Inadequate/incomplete site survey coverage

- Missing, incomplete, or noncompliant instrument standardization checks

Appendix A contains detailed results of digital field data acquisition and processing.

4.3 THE QAOP QA SEEDING PROGRAM

A QAOP QA seeding program was implemented to provide an evaluation of Weston's capabilities to detect specific MEC at the highest levels of quality and to evaluation the spatial survey coverage of the investigation area. Industry accepted simulants consisting of 1" x 4" Pipe were used to satisfy this design component. Each simulant was identified and inventoried with a serial number for identification after recovery.

QA blind seeding actions were performed in accordance with the ERRG QA Blind Seed Standard Operating Procedure (SOP) (Appendix D). As specified in the ERRG Blind Seed SOP, at the time of emplacement the blind seed's depth, bearing, attitude and locations were recorded, documented and tracked by the QA Specialist to ensure their confidentiality and to maintain the validity of QA seed objectives. This blind seed placement provided a method to check survey detection ability and UXO team anomaly investigation confidence.

The QA seed tracking documents, provided in Appendix B, contain seed numbers and location information, such as GPS coordinates, and were strictly maintained by the ERRG QA Manager to ensure confidentiality until their discovery. Blind seed discovery was initially recorded by Weston in the Data GAP Seed Report and reviewed by the ERRG QA Manager to validate the discovered blind seed's location with the afore mentioned QA blind seed tracking documents. As verified by the ERRG QA Manager, Weston's discovery of all the QA emplaced blind seeds assures anomaly detection capability and thorough clearance of excavations of all anomalies.

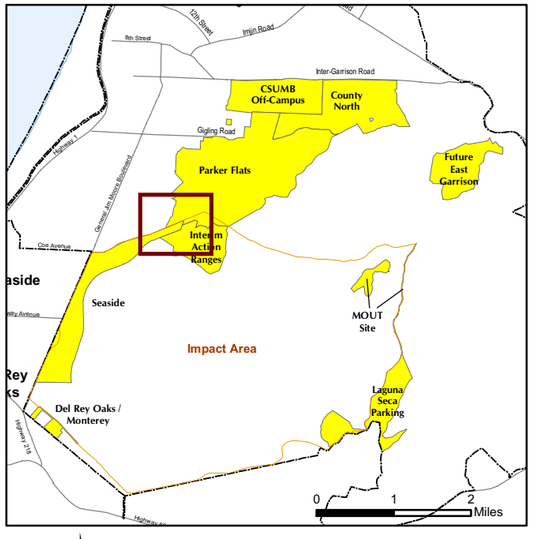
All seed items placed were found in Parker Flats Work Area III, parcels L20.8, E20c.1, E20c.2 and E23.2 during the performance of RI/FS tasks. Field reports located in Appendix B detail the placement of the QA seeds. Appendix C contains details of the Weston Team's reporting of seeds recovered.

Figures

E20c.2.1
E20c.1.2
E20c.2.2
E18.1.1
MRS-50
MRS-40
Parker Flats Cut-Off
E18.1.2
MRS-24B
F2.3
MRS-50 EXP
E19a.5
MRS-24C
MRS-44 EDC
L23.2
MRS-44 PBC
E20c.2
L20.18
MRS-15 MOCO 02
E21b.3
E20c.1
E41
MRS-24A
E42
E23.2
Eucalyptus Road
MRS-15 SEA 04
E40
MRS-Ranges 44-48
E38
E39
MRS-BLM
F1.13

Legend

- Parker Flats - Work Area III
- Eucalyptus Road Phase II Work Area (Source: C&D 2010)
- Right of Way (Source: C&D 2010)
- Roadway Centerline
- MRS-44 EDC — Munitions Response Site (MRS)
- E20c.2 — USACE Parcels
- MRA Boundary
- Major Road



N

0 400 800 Feet

ARCADIS
Infrastructure, environment, facilities

WESTON SOLUTIONS

Eucalyptus Road Phase II
Parker Flats
ESCA RP Team
Work Area III
Monterey County, California

DRAFT **Figure 072910 - A1**

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Appendix A. InDepth DGM QA Report

July 9, 2010

Mr. Frank Cota
ERRG, Incorporated
185 Mason Circle, Ste A
Concord, California 94520

Subject: Draft Final Parker Flats MRA Phase II Remedial Investigation (RI) Work Area III FORA DGM QA Resurvey Report, Former Fort Ord Monterey County, California

Dear Mr. Cota:

InDepth Corporation (InDepth) is pleased to present this letter report outlining the activities completed and resultant findings of the digital geophysical mapping (DGM) quality assurance (QA) activities associated with the data review and QA resurvey results of the Parker Flats Phase II MRA RI Work Area III Investigation performed by Weston Solutions, Inc. (Weston) at the former Fort Ord, Parker Flats Work Area III, which includes all or portions of parcels L20.8, E20c.1, E20c.2 and E23.2. This review was performed using the data available within the June 16, 2010 data transmittal provided by Mark Saunders of Weston Solutions, Inc. and DGM QA resurvey data obtained on June 25 and July 2, 2010.

Under contract to ERRG, Inc. (ERRG), InDepth performed a review of the Parker Flats Phase II MRA RI Work Area III DGM data. InDepth reviewed approximately 10% of the production DGM data obtained by Weston throughout the Parker Flats Work Area III. These data were reviewed for adherence to the data quality standards based on the accepted work plan. This review included a review of the daily quality control checks, the data spacing, and the cross track line spacing. Data were provided by Weston for all of the investigation areas identified covering a total area of approximately 34 acres in Work Area III. InDepth performed a DGM QA resurvey of 1.8 acres, representing approximately 5% of the area investigated by Weston, Inc. InDepth provided the geophysical results and target lists to ERRG, Inc who performed the intrusive investigation on July 7, 2010. ERRG provided the Intrusive investigation results to InDepth on July 7, 2010. InDepth's findings indicated that the data were of sufficient quality to adequately support the Phase II MRA RI within the areas investigated.

This letter report contains the findings of our DGM QA Resurvey supported by the enclosed figures.

DGM QA DATA EVALUATION PROCEDURES

The DGM data evaluation included a review of the daily quality control data and a review for 10% of the grid data. At the request of FORA the specific parameters evaluated within each data set included evaluation of the data separation, lane spacing, and gap coverage. All data were evaluated using industry standard QA/QC modules within Geosoft Oasis Montaj v7.1 UX-Detect. The following is a summary of the results for the grids evaluated.

PARKER FLATS PHASE II MRA RI WORK AREA III DGM DATA EVALUATION RESULTS

Data evaluation was performed for the Parker Flats Phase II MRA RI Work Area III DGM data and results. Data quality evaluation indicated that the geophysical systems were within operational specifications to meet the basic data quality standards identified within the work plan during DGM of these areas. Data evaluation indicated that the data within each of these grids met the data quality standards within the work plan.

Data evaluation indicated that along track spacing of the data points within these data sets meets the 0.5 foot data separation standard indicated within the QAPP and work plan. Evaluation of transect spacing for these data sets indicated that all of the areas investigated met the data quality objectives in areas without obstructions. Areas with transect spacing gaps caused by cultural features or other obstructions were investigated by using intrusive teams to perform detector aided real-time investigations throughout the data gap locations.

PARKER FLATS PHASE II MRA RI WORK AREA III DGM QA RESURVEY

Parker Flats Work Area III Grid 1 QA Resurvey Results. The QA resurvey in the Work Area III Grid 1 QA polygon (C2C6I4) comprised a rectangular polygon approximately 100 ft by 100 ft resulting in 10,000 ft^2 of DGM QA resurvey, as shown on Figure 1. The QA DGM resurvey resulted in a site characterized by background readings and 13 geophysical anomalies selected as targets for further investigation, as indicated in Tables 1 and 2. Seven of the 13 DGM QA targets were located within 3.0 feet of a Weston DGM target selected during the initial DGM investigation. Intrusive investigation of these 13 targets resulted in two no-contacts (false-positives), five pieces of munitions related debris and 5 small metallic items, as shown in Table 3. Since no items, greater than the mass of a 37mm projectile, were recovered within this QA resurvey grid, the results of the Parker Flats Work Area III Grid 1 QA Resurvey meet the work plan QA objectives.

Parker Flats Work Area III Grid 2 QA Resurvey Results. The QA resurvey in the Work Area III Grid 2 polygon (C2C6F4) comprised a rectangular polygon approximately 100 ft by 100 ft resulting in approximately 10,000 ft^2 of DGM QA resurvey, as shown on Figure 2. The QA DGM resurvey resulted in a site characterized by background readings and four geophysical anomalies selected as targets for further investigation, as indicated in Tables 1 and 2. None of the four DGM QA targets were located within 3.0 feet of a Weston DGM target selected during the initial DGM investigation. Intrusive investigation of these four targets resulted in no false-positives, one piece of munition related debris and three small metallic items, as shown in Table 3. Since no items, greater than the mass of a 37mm projectile, were recovered within this QA resurvey grid, the results of the Parker Flats Work Area III Grid 2 QA Resurvey meet the work plan QA objectives.

Parker Flats Work Area III Grid 3 QA Resurvey Results. The QA resurvey in the Work Area III Grid 3 polygon (C2C6D9) comprised a rectangular polygon approximately 100 ft by 100 ft resulting in 10,000 ft^2 and of DGM QA resurvey, as shown on Figure 3. The QA DGM resurvey resulted in a site characterized by background readings and two geophysical anomalies selected as targets for further investigation, as indicated in Tables 1 and 2. Both of the DGM QA targets were located within 3.0 feet of a Weston DGM target selected during the initial DGM investigation. Intrusive investigation of these targets resulted in one false-positive, and one piece of scrap metal, as shown in Table 3. The mass of the recovered objects were less than the mass of a 37mm projectile. Therefore, the results of the Parker Flats Work Area III Grid 3 QA Resurvey meet the work plan QC objectives.

Parker Flats Work Area III Grid 4 QA Resurvey Results. The QA resurvey in the Work Area III Grid 4 polygon (C2C6C2) comprised a rectangular polygon approximately 100 ft by 100 ft resulting in approximately 10,000 ft^2 of DGM QA resurvey, as shown on Figure 4. The QA DGM resurvey resulted in a site characterized by background readings and seven geophysical anomalies selected as targets for further investigation, as indicated in Tables 1 and 2. Six of the seven DGM QA targets were located within 3.0 feet of a Weston DGM target selected during the initial DGM investigation. Intrusive investigation of these targets resulted in one false-positive, and six small metallic items, as shown in Table 3. Since no items, greater than the mass of a 37mm projectile, were recovered within this QA resurvey grid, the results of the Parker Flats Work Area III Grid 4 QA Resurvey meet the work plan QA objectives.

Parker Flats Work Area III Grid 5 QA Resurvey Results. The QA resurvey in the Work Area III Grid 5 polygon (C2C6C3) comprised a rectangular polygon approximately 100 ft by 100 ft resulting in approximately 10,000 ft^2 of DGM QA resurvey, as shown on Figure 5. The QA DGM resurvey resulted in a site characterized by background readings and eighteen geophysical anomalies selected as targets for further investigation, as indicated in Tables 1 and 2. Eight of the eighteen DGM QA targets were located within 3.0 feet of a Weston DGM target selected during the initial DGM investigation. Intrusive investigation of these targets resulted in eight false-positives, two pieces of munitions related debris, and eight small metallic items, as shown in Table 3. Since no items, greater than the mass of a 37mm projectile, were recovered

within this QA resurvey grid, the results of the Parker Flats Work Area III Grid 5 QA Resurvey meet the work plan QA objectives.

Parker Flats Work Area III Grid 6 QA Resurvey Results. The QA resurvey in the Work Area III Grid 6 polygon (C2B5F8) comprised a rectangular polygon approximately 100 ft by 100 ft resulting in approximately 10,000 ft^2 of DGM QA resurvey, as shown on Figure 6. The QA DGM resurvey resulted in a site characterized by background readings and four geophysical anomalies selected as targets for further investigation, as indicated in Tables 1 and 2. One of the four DGM QA targets was located within 3.0 feet of a Weston DGM target selected during the initial DGM investigation. Intrusive investigation of these targets resulted in one false-positive, two corner stakes and one small metallic item, as shown in Table 3. Since no items, greater than the mass of a 37mm projectile, were recovered within this QA resurvey grid, the results of the Parker Flats Work Area III Grid 6 QA Resurvey meet the work plan QA objectives.

Parker Flats Work Area III Grid 7 QA Resurvey Results. The QA resurvey in the Work Area III Grid 7 polygon (C2B5E8) comprised a rectangular polygon approximately 100 ft by 100 ft resulting in approximately 10,000 ft^2 of DGM QA resurvey, as shown on Figure 7. The QA DGM resurvey resulted in a site characterized by background readings and six geophysical anomalies selected as targets for further investigation, as indicated in Tables 1 and 2. Two of the six DGM QA targets were located within 3.0 feet of a Weston DGM target selected during the initial DGM investigation. Intrusive investigation of these targets resulted in six false-positives from very low amplitude anomalies most likely the result of power-line interference, as shown in Table 3. Since no items, greater than the mass of a 37mm projectile, were recovered within this QA resurvey grid, the results of the Parker Flats Work Area III Grid 7 QA Resurvey meet the work plan QA objectives.

Parker Flats Work Area III Grid 8 QA Resurvey Results. The QA resurvey in the Work Area III Grid 8 polygon (C2B6G6) comprised a rectangular polygon approximately 100 ft by 100 ft resulting in approximately 10,000 ft^2 of DGM QA resurvey, as shown on Figure 8. The QA DGM resurvey resulted in a site characterized by background readings and twenty-eight geophysical anomalies selected as targets for further investigation, as indicated in Tables 1 and 2. Four of the twenty-eight DGM QA targets were located within 3.0 feet of a Weston DGM target selected during the initial DGM investigation. Intrusive investigation of these targets resulted in twenty-eight false-positives from very low amplitude anomalies most likely the result of power-line interference, as shown in Table 3. Since no items, greater than the mass of a 37mm projectile, were recovered within this QA resurvey grid, the results of the Parker Flats Work Area III Grid 8 QA Resurvey meet the work plan QA objectives.

PARKER FLATS PHASE II MRA RI WORK AREA III RI/FS QA RESURVEY DGM DATA EVALUATION RESULTS SUMMARY

Evaluation of the DGM data obtained during the QA resurvey indicated that the geophysical systems were within operational specifications to meet the basic data quality standards identified in the work plan. Evaluation of these data indicated that the data met, or exceeded, the data density along line and transect spacing requirements as indicated within the QAPP and work plan.

Intrusive investigation for all of these 82 targets resulted in 47 false-positives, 8 items of MEC related debris; the remaining targets were associated various pieces of scrap metal and survey control spikes, as shown in Table 3. The high number of false positives identified within these data is interpreted as the result of aggressive target selection of low amplitude anomalies identified in the grids located directly under the overhead power-lines. None of the MEC related debris items recovered during the intrusive activities had a mass greater than the mass of a 37mm projectile, therefore, the results of the Parker Flats Work Area III QA Resurvey indicates that the Weston Work Area III DGM data and results meet the work plan QA objectives.

CONCLUSIONS AND RECOMMENDATIONS

The results of the Parker Flats Work Area III DGM QA data evaluation indicate that the data reviewed meet the standards for quality and along track and cross track data spacing. However, some data gaps resulting from cultural features were unavoidable but well within the acceptance criteria identified in the QAPP. In accordance with the work plan these data gaps were investigated by Weston Solutions, Inc. by using detector aided real-time investigation techniques.

Within the Parker Flats Work Area III DGM QA Resurvey thirty of the DGM QA targets were identified within 3.0 feet of an existing Weston DGM target. However, none of these targets resulted in the discovery of a munitions related debris item with a mass greater than the mass of a 37mm projectile, therefore, the results of the Parker Flats Work Area III QA Resurvey indicates that the Weston Work Area III DGM data and results meet the work plan QA objectives.

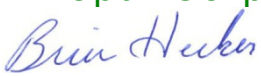
STANDARD OF CARE AND WARRANTY

The scope of InDepth's services for the project was to apply appropriate geophysical data processing methods to evaluate the existing geophysical data for adherence to the parameters requested by our client. It should be recognized that the effectiveness and accuracy of the geophysical methods employed by InDepth are subject to the limitations imposed by surface and subsurface conditions at the project site. The geophysical services performed by InDepth were

conducted using best-practice in a manner consistent with that level of skill ordinarily exercised by members of the profession currently employing similar methods. InDepth makes no other warranty, with respect to the performance of services or products described in this letter report, expressed or implied.

InDepth appreciates the opportunity to assist ERRG with this project. If you have any questions regarding the content this letter report or results of the investigation, feel free to contact me any time at (707) 888-6605.

Respectfully,
InDepth Corporation



Brian W. Hecker
Senior Geophysicist, G.P. 991

Enclosures: QA Resurvey Investigation Summary and Target Tables
QA Resurvey Data Evaluation Figures

cc: file

Table 1.

DGM QA Resurvey Investigation Summary

Parker Flats Work Area III FORA DGM QA Resurvey Report

Former Fort Ord, Parker Flats

Monterey County, California

Geophysical Operation	Parker Flats Area Designation	FORA Grid Designation	Total Area Investigated (sqft)	Number of Targets
QA Resurvey	WAIII Grid 1	C2C6I4	10000	13
QA Resurvey	WAIII Grid 2	C2C6F4	10000	4
QA Resurvey	WAIII Grid 3	C2C6D9	10000	2
QA Resurvey	WAIII Grid 4	C2C6C2	10000	7
QA Resurvey	WAIII Grid 5	C2C6C3	10000	18
QA Resurvey	WAIII Grid 6	C2B5F8	10000	4
QA Resurvey	WAIII Grid 7	C2B5E8	10000	6
QA Resurvey	WAIII Grid 8	C2B6G6	10000	28

Table 3.

QA Intrusive Investigation Results

Parker Flats Work Area III FORA DGM QA Resurvey Report

Former Fort Ord, Parker Flats

Monterey County, California

Project Name:	FORA QA2 Resurvey	UXO Contractor	LFR / Weston	Equipment	Serial Number
Project Location:	Monterey County, CA	Geophysical Contractor:	Weston	EM61	Weston
Coordinate System:	NAD83 CS83 Zone 4 (US survey feet)	Project Geophysicist:	Matthew Gifford	Allegro	Weston
Survey Area:	Parker Flats Work Area III	QC Geophysicist:		Magnetometer	Schonstedt
Field Team:		Regulatory POC:		All Metals	White XLT
Date: July 2010		QA Contractor:	InDepth / ERRG	Positioning	Trimble RTK
Team Leader Signature:		QA Geophysicist:	Brian Hecker		NA

Project: FORA QA2 Resurvey Survey Area: Parker Flats Work Area III Field Team: 0 Date:

NOTE 1 - Anomaly Type: U = UXO, F = Frag, MD = Munitions Debris, S = Scrap, A = Small Arms Ammunition, NC = No Contact, O = Other

NOTE 2 - Target Azimuth: N = North, NW = Northwest, W = West, SW = Southwest, S = South, SE = Southeast, E = East, NE = Northeas

NOTE 3 -Target Inclination: NU = Vertical Nose Up, ND = Vertical Nose Down, INU = Inclined Nose Up, IND = Inclined Nose Down, H = Horizonta

Target Info			Reacquisition Survey		Dig Results						
Target Name	Instrument Response	Units	Channel	Response (mV)	Anomaly Type (note 1)	Approx. Weight (Lbs.)	Azimuth of nose (note 2)	Inclination of nose (note 3)	Depth to top (inches)	Digital Photo Number	Comments
WAIII_G1_01	28.5	Stack mV	Ch3		MD	0.01			2	10	multiple links
WAIII_G1_02	28.5	Stack mV	Ch3		S	0.002			surface	8	wire
WAIII_G1_03	25.8	Stack mV	Ch3		S	0.002			1	8	wire
WAIII_G1_04	36.0	Stack mV	Ch3		MD	0.002			1	9	link
WAIII_G1_05	99.2	Stack mV	Ch3		MD	0.001			2	7	link
WAIII_G1_06	282.4	Stack mV	Ch3		MD	0.001			2	6	link
WAIII_G1_07	28.1	Stack mV	Ch3		NC	-			-	-	no contact
WAIII_G1_08	33.4	Stack mV	Ch3		S	0.001			4	3	wire-fence
WAIII_G1_09	29.7	Stack mV	Ch3		S	0.001			4	4	wire-fence
WAIII_G1_10	42.1	Stack mV	Ch3		MD	0.001			2	5	link
WAIII_G1_11	37.9	Stack mV	Ch3		S	-			2	-	moving scrap - too small
WAIII_G1_12	31.8	Stack mV	Ch3		NC	-			-	-	no contact
WAIII_G1_13	34.2	Stack mV	Ch3		S	0.001			1	-	moving scrap - too small
WAIII_G2_01	21.3	Stack mV	Ch3		MD	0.700			surface	14	frag
WAIII_G2_02	37.0	Stack mV	Ch3		S	0.001			surface	13	wire
WAIII_G2_03	30.3	Stack mV	Ch3		S	0.001			surface	12	wire
WAIII_G2_04	26.4	Stack mV	Ch3		S	0.001			surface	11	wire in root bulb
WAIII_G3_01	30.8	Stack mV	Ch3		NC	-			-	-	no contact
WAIII_G3_02	23.0	Stack mV	Ch3		S	0.300			2	36	2 x 3 long scrap metal
WAIII_G4_01	52.5	Stack mV	Ch3		S	0.010			surface	19	multiple wire strands
WAIII_G4_02	20.8	Stack mV	Ch3		S	0.010			1	19	nail
WAIII_G4_03	20.8	Stack mV	Ch3		NC	-			-	20	sled bump??
WAIII_G4_04	108.3	Stack mV	Ch3		S	0.010			surface	21	wire - 10"

Table 3.
QA Intrusive Investigation Results
Parker Flats Work Area III FORA DGM QA Resurvey Report
Former Fort Ord, Parker Flats
Monterey County, California

Project: FORA QA2 Resurvey Survey Area: Parker Flats Work Area III Field Team: 0 Date:

NOTE 1 - Anomaly Type: U = UXO, F = Frag, MD = Munitions Debris, S = Scrap, A = Small Arms Ammunition, NC = No Contact, O = Other

NOTE 2 - Target Azimuth: N = North, NW = Northwest, W = West, SW = Southwest, S = South, SE = Southeast, E = East, NE = Northeas

NOTE 3 -Target Inclination: NU = Vertical Nose Up, ND = Vertical Nose Down, INU = Inclined Nose Up, IND = Inclined Nose Down, H = Horizonta

Target Info			Reacquisition Survey		Dig Results						
Target Name	Instrument Response	Units	Channel	Response (mV)	Anomaly Type (note 1)	Approx. Weight (Lbs.)	Azimuth of nose (note 2)	Inclination of nose (note 3)	Depth to top (inches)	Digital Photo Number	Comments
WAIII_G4_05	41.8	Stack mV	Ch3		S	0.001			surface	16	wire
WAIII_G4_06	25.5	Stack mV	Ch3		S	0.001			2	15	nail
WAIII_G4_07	20.1	Stack mV	Ch3		S	-			surface	-	moving on surface
WAIII_G5_01	30.4	Stack mV	Ch3		MD	0.010			surface	28	frag - 3" long
WAIII_G5_02	49.3	Stack mV	Ch3		S	0.001			surface	27	long nail
WAIII_G5_03	71.2	Stack mV	Ch3		S	-			10	17	comm wire - 2.5'
WAIII_G5_04	44.6	Stack mV	Ch3		NC	-			-	-	gopher holes? Next to #5
WAIII_G5_05	73.9	Stack mV	Ch3		MD	0.010			surface	29	unknown MD
WAIII_G5_06	32.1	Stack mV	Ch3		S	0.001			surface	31	nail
WAIII_G5_07	23.9	Stack mV	Ch3		S	0.001			1	30	nail
WAIII_G5_08	21.0	Stack mV	Ch3		S	-			surface	24	long wires - 24" plus
WAIII_G5_09	47.2	Stack mV	Ch3		S	0.001			surface	25	staple - large
WAIII_G5_10	63.2	Stack mV	Ch3		S	-			-	-	multiple wire - too small
WAIII_G5_11	36.1	Stack mV	Ch3		S	0.001			surface	26	piece of aluminum
WAIII_G5_12	31.7	Stack mV	Ch3		NC	-			-	22/23	no contact - disturbed dirt
WAIII_G5_13	25.4	Stack mV	Ch3		NC	-			-	22/23	no contact - disturbed dirt
WAIII_G5_14	20.8	Stack mV	Ch3		NC	-			-	22/23	no contact - disturbed dirt
WAIII_G5_15	29.8	Stack mV	Ch3		NC	-			-	22/23	no contact - disturbed dirt
WAIII_G5_16	27.6	Stack mV	Ch3		NC	-			-	22/23	no contact - disturbed dirt
WAIII_G5_17	31.8	Stack mV	Ch3		NC	-			-	22/23	no contact - disturbed dirt
WAIII_G5_18	23.4	Stack mV	Ch3		NC	-			-	32	no contact - next to road - gopher holes
WAIII_G6_01	1794.3	Stack mV	Ch3		O	-			-	35	survey marker
WAIII_G6_02	76.7	Stack mV	Ch3		NC	-			-	-	powerlines?
WAIII_G6_03	24.3	Stack mV	Ch3		S	0.001			-	33	staple - straightened
WAIII_G6_04	304.2	Stack mV	Ch3		O	-			-	34	survey marker/nail
WAIII_G7_01	21.0	Stack mV	Ch3		O	-			-	-	under power lines
WAIII_G7_02	20.4	Stack mV	Ch3		O	-			-	-	right under power lines

Table 3.
QA Intrusive Investigation Results
Parker Flats Work Area III FORA DGM QA Resurvey Report
Former Fort Ord, Parker Flats
Monterey County, California

Project: FORA QA2 Resurvey Survey Area: Parker Flats Work Area III Field Team: 0 Date:

NOTE 1 - Anomaly Type: U = UXO, F = Frag, MD = Munitions Debris, S = Scrap, A = Small Arms Ammunition, NC = No Contact, O = Other

NOTE 2 - Target Azimuth: N = North, NW = Northwest, W = West, SW = Southwest, S = South, SE = Southeast, E = East, NE = Northeas

NOTE 3 -Target Inclination: NU = Vertical Nose Up, ND = Vertical Nose Down, INU = Inclined Nose Up, IND = Inclined Nose Down, H = Horizonta

Target Info			Reacquisition Survey		Dig Results						
Target Name	Instrument Response	Units	Channel	Response (mV)	Anomaly Type (note 1)	Approx. Weight (Lbs.)	Azimuth of nose (note 2)	Inclination of nose (note 3)	Depth to top (inches)	Digital Photo Number	Comments
WAIII_G7_03	23.8	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G7_04	21.2	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G7_05	20.2	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G7_06	24.8	Stack mV	Ch3		O	-			-	-	below power lines
WAIII_G8_01	24.4	Stack mV	Ch3		O	-			-	-	powerlines
WAIII_G8_02	26.5	Stack mV	Ch3		O	-			-	-	powerlines
WAIII_G8_03	33.4	Stack mV	Ch3		O	-			-	-	powerlines
WAIII_G8_04	25.8	Stack mV	Ch3		O	-			-	-	powerlines
WAIII_G8_05	20.7	Stack mV	Ch3		S	-			-	-	small wires - moving around
WAIII_G8_06	35.7	Stack mV	Ch3		O	-			-	-	power line - under
WAIII_G8_07	20.3	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G8_08	23.9	Stack mV	Ch3		O	-			-	-	power line - under
WAIII_G8_09	23.3	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G8_10	28.9	Stack mV	Ch3		O	-			-	-	power lines
WAIII_G8_11	25.8	Stack mV	Ch3		O	-			-	-	under power lines
WAIII_G8_12	34.3	Stack mV	Ch3		O	-			-	-	under power lines
WAIII_G8_13	34.6	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G8_14	31.0	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G8_15	28.9	Stack mV	Ch3		O	-			-	-	under power lines
WAIII_G8_16	24.6	Stack mV	Ch3		O	-			-	-	under power lines
WAIII_G8_17	20.4	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G8_18	22.5	Stack mV	Ch3		O	-			-	-	right under power lines
WAIII_G8_19	22.8	Stack mV	Ch3		O	_			-	_	under power lines
WAIII_G8_20	20.1	Stack mV	Ch3		O	_			-	_	right under power lines
WAIII_G8_21	22.2	Stack mV	Ch3		O	_			-	_	right under power lines
WAIII_G8_22	25.6	Stack mV	Ch3		O	_			-	_	under power lines
WAIII_G8_23	22.0	Stack mV	Ch3		O	_			-	_	under power lines

Table 3.
QA Intrusive Investigation Results
Parker Flats Work Area III FORA DGM QA Resurvey Report
Former Fort Ord, Parker Flats
Monterey County, California

Project: FORA QA2 Resurvey Survey Area: Parker Flats Work Area III Field Team: 0 Date:

NOTE 1 - Anomaly Type: U = UXO, F = Frag, MD = Munitions Debris, S = Scrap, A = Small Arms Ammunition, NC = No Contact, O = Other

NOTE 2 - Target Azimuth: N = North, NW = Northwest, W = West, SW = Southwest, S = South, SE = Southeast, E = East, NE = Northeas

NOTE 3 -Target Inclination: NU = Vertical Nose Up, ND = Vertical Nose Down, INU = Inclined Nose Up, IND = Inclined Nose Down, H = Horizonta

Target Info			Reacquisition Survey		Dig Results						
Target Name	Instrument Response	Units	Channel	Response (mV)	Anomaly Type (note 1)	Approx. Weight (Lbs.)	Azimuth of nose (note 2)	Inclination of nose (note 3)	Depth to top (inches)	Digital Photo Number	Comments
WAIII_G8_24	22.1	Stack mV	Ch3		O	-			-	-	under power lines
WAIII_G8_25	27.0	Stack mV	Ch3		O	-			-	-	power lines
WAIII_G8_26	24.2	Stack mV	Ch3		O	-			-	-	under power lines
WAIII_G8_27	23.8	Stack mV	Ch3		O	-			-	-	under power lines
WAIII_G8_28	21.4	Stack mV	Ch3		O	-			-	-	right under power lines

Table 2.

DGM QA Target List

Parker Flats Work Area III FORA DGM QA Resurvey Report

Former Fort Ord, Parker Flats

Monterey County, California

Parker Flats Area Designation	Target Name	Easting (US Survey Feet)	Northing (US Survey Feet)	Target Response Value (Sum)	Units
Work Area III	WAIII_G1_01	5740818.5	2124819.5	28.5	mV
Work Area III	WAIII_G1_02	5740829.5	2124823.0	28.5	mV
Work Area III	WAIII_G1_03	5740829.0	2124825.5	25.8	mV
Work Area III	WAIII_G1_04	5740818.0	2124827.0	36.0	mV
Work Area III	WAIII_G1_05	5740837.0	2124831.5	99.2	mV
Work Area III	WAIII_G1_06	5740840.5	2124831.5	282.4	mV
Work Area III	WAIII_G1_07	5740852.0	2124866.5	28.1	mV
Work Area III	WAIII_G1_08	5740807.0	2124886.5	33.4	mV
Work Area III	WAIII_G1_09	5740812.5	2124886.5	29.7	mV
Work Area III	WAIII_G1_10	5740823.5	2124890.0	42.1	mV
Work Area III	WAIII_G1_11	5740826.0	2124890.0	37.9	mV
Work Area III	WAIII_G1_12	5740851.0	2124893.5	31.8	mV
Work Area III	WAIII_G1_13	5740822.0	2124896.5	34.2	mV
Work Area III	WAIII_G2_01	5740802.0	2124562.5	21.3	mV
Work Area III	WAIII_G2_02	5740833.5	2124574.0	37.0	mV
Work Area III	WAIII_G2_03	5740829.0	2124589.5	30.3	mV
Work Area III	WAIII_G2_04	5740838.0	2124596.0	26.4	mV
Work Area III	WAIII_G3_01	5741371.5	2124314.0	30.8	mV
Work Area III	WAIII_G3_02	5741304.0	2124347.0	23.0	mV
Work Area III	WAIII_G4_01	5740683.5	2124216.5	52.5	mV
Work Area III	WAIII_G4_02	5740645.5	2124235.5	20.8	mV
Work Area III	WAIII_G4_03	5740621.0	2124240.0	20.8	mV
Work Area III	WAIII_G4_04	5740602.5	2124244.5	108.3	mV
Work Area III	WAIII_G4_05	5740669.0	2124259.0	41.8	mV
Work Area III	WAIII_G4_06	5740669.0	2124267.0	25.5	mV
Work Area III	WAIII_G4_07	5740683.0	2124267.5	20.1	mV
Work Area III	WAIII_G5_01	5740758.0	2124245.5	30.4	mV
Work Area III	WAIII_G5_02	5740761.0	2124247.5	49.3	mV
Work Area III	WAIII_G5_03	5740710.0	2124248.0	71.2	mV
Work Area III	WAIII_G5_04	5740773.5	2124250.5	44.6	mV
Work Area III	WAIII_G5_05	5740771.5	2124253.5	73.9	mV
Work Area III	WAIII_G5_06	5740797.5	2124255.5	32.1	mV
Work Area III	WAIII_G5_07	5740787.0	2124263.5	23.9	mV

Table 2.

DGM QA Target List

Parker Flats Work Area III FORA DGM QA Resurvey Report

Former Fort Ord, Parker Flats

Monterey County, California

Parker Flats Area Designation	Target Name	Easting (US Survey Feet)	Northing (US Survey Feet)	Target Response Value (Sum)	Units
Work Area III	WAIII_G5_08	5740756.0	2124264.5	21.0	mV
Work Area III	WAIII_G5_09	5740762.5	2124264.5	47.2	mV
Work Area III	WAIII_G5_10	5740760.0	2124268.0	63.2	mV
Work Area III	WAIII_G5_11	5740754.0	2124268.5	36.1	mV
Work Area III	WAIII_G5_12	5740756.0	2124272.5	31.7	mV
Work Area III	WAIII_G5_13	5740758.5	2124273.0	25.4	mV
Work Area III	WAIII_G5_14	5740759.5	2124276.0	20.8	mV
Work Area III	WAIII_G5_15	5740754.5	2124276.5	29.8	mV
Work Area III	WAIII_G5_16	5740762.5	2124276.5	27.6	mV
Work Area III	WAIII_G5_17	5740751.0	2124279.5	31.8	mV
Work Area III	WAIII_G5_18	5740786.5	2124288.5	23.4	mV
Work Area III	WAIII_G6_01	5740208.5	2123478.0	1794.3	mV
Work Area III	WAIII_G6_02	5740269.0	2123478.0	76.7	mV
Work Area III	WAIII_G6_03	5740287.5	2123495.5	24.3	mV
Work Area III	WAIII_G6_04	5740298.0	2123496.0	304.2	mV
Work Area III	WAIII_G7_01	5740282.0	2123307.0	21.0	mV
Work Area III	WAIII_G7_02	5740214.5	2123329.5	20.4	mV
Work Area III	WAIII_G7_03	5740276.0	2123346.0	23.8	mV
Work Area III	WAIII_G7_04	5740279.0	2123350.5	21.2	mV
Work Area III	WAIII_G7_05	5740240.5	2123358.5	20.2	mV
Work Area III	WAIII_G7_06	5740278.5	2123375.0	24.8	mV
Work Area III	WAIII_G8_01	5741098.0	2123626.5	24.4	mV
Work Area III	WAIII_G8_02	5741094.5	2123627.0	26.5	mV
Work Area III	WAIII_G8_03	5741083.0	2123627.5	33.4	mV
Work Area III	WAIII_G8_04	5741091.5	2123627.5	25.8	mV
Work Area III	WAIII_G8_05	5741086.5	2123630.0	20.7	mV
Work Area III	WAIII_G8_06	5741094.5	2123630.5	35.7	mV
Work Area III	WAIII_G8_07	5741008.0	2123632.5	20.3	mV
Work Area III	WAIII_G8_08	5741095.0	2123632.5	23.9	mV
Work Area III	WAIII_G8_09	5741008.0	2123634.5	23.3	mV
Work Area III	WAIII_G8_10	5741094.0	2123639.5	28.9	mV
Work Area III	WAIII_G8_11	5741015.0	2123644.5	25.8	mV
Work Area III	WAIII_G8_12	5741002.0	2123646.5	34.3	mV

Table 2.

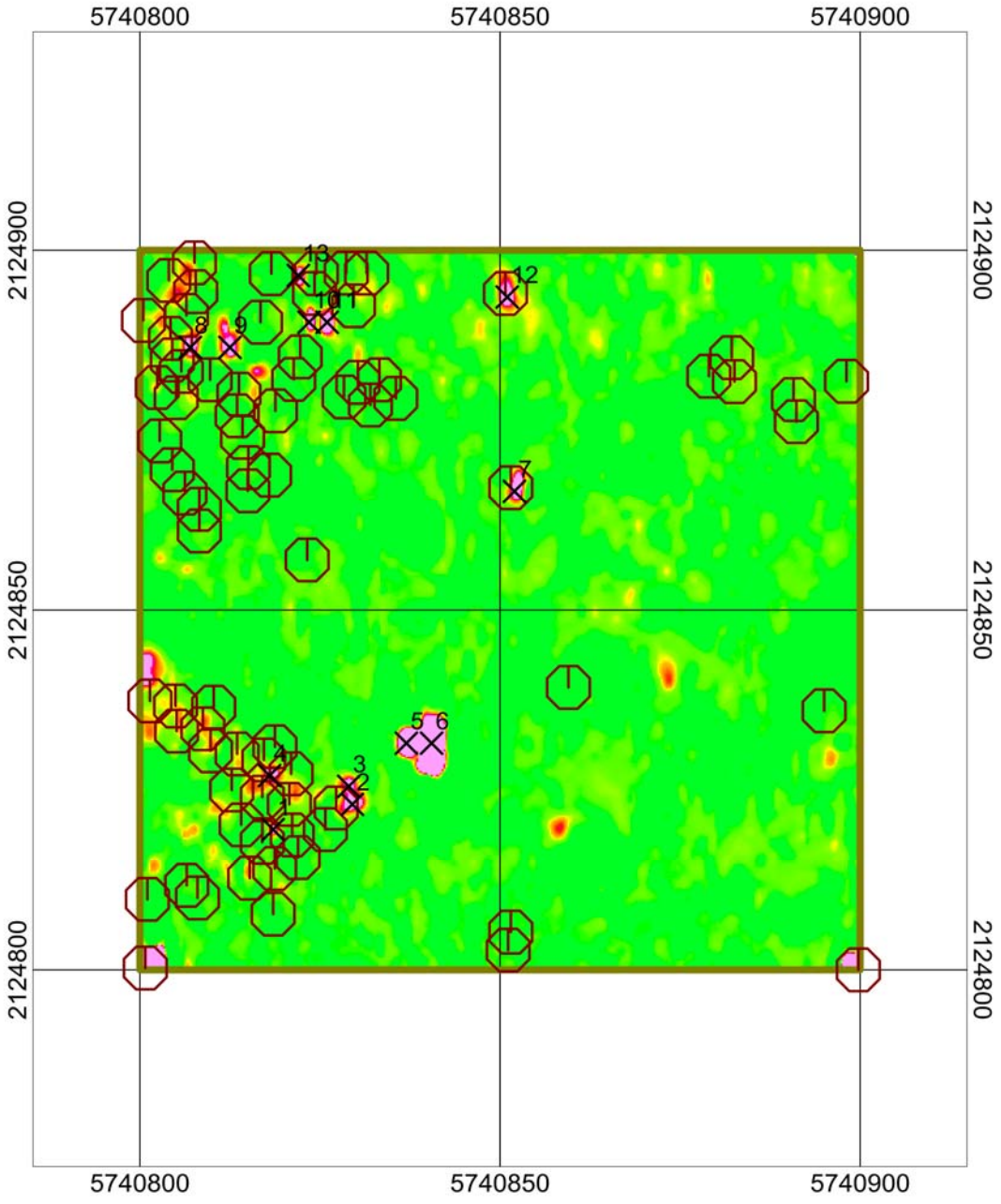
DGM QA Target List

Parker Flats Work Area III FORA DGM QA Resurvey Report

Former Fort Ord, Parker Flats

Monterey County, California

Parker Flats Area Designation	Target Name	Easting (US Survey Feet)	Northing (US Survey Feet)	Target Response Value (Sum)	Units
Work Area III	WAIII_G8_13	5741034.5	2123653.5	34.6	mV
Work Area III	WAIII_G8_14	5741016.0	2123654.5	31.0	mV
Work Area III	WAIII_G8_15	5741004.0	2123657.0	28.9	mV
Work Area III	WAIII_G8_16	5741007.0	2123661.0	24.6	mV
Work Area III	WAIII_G8_17	5741091.5	2123669.5	20.4	mV
Work Area III	WAIII_G8_18	5741047.5	2123670.0	22.5	mV
Work Area III	WAIII_G8_19	5741074.0	2123670.0	22.8	mV
Work Area III	WAIII_G8_20	5741040.0	2123672.5	20.1	mV



EM61 Stack Response

milliVolts (mV)

1 2 4 5 7 8 10 12 14 16 18

Legend

- QA DGM Target
- QA Polygon Boundary
- Weston DGM Target

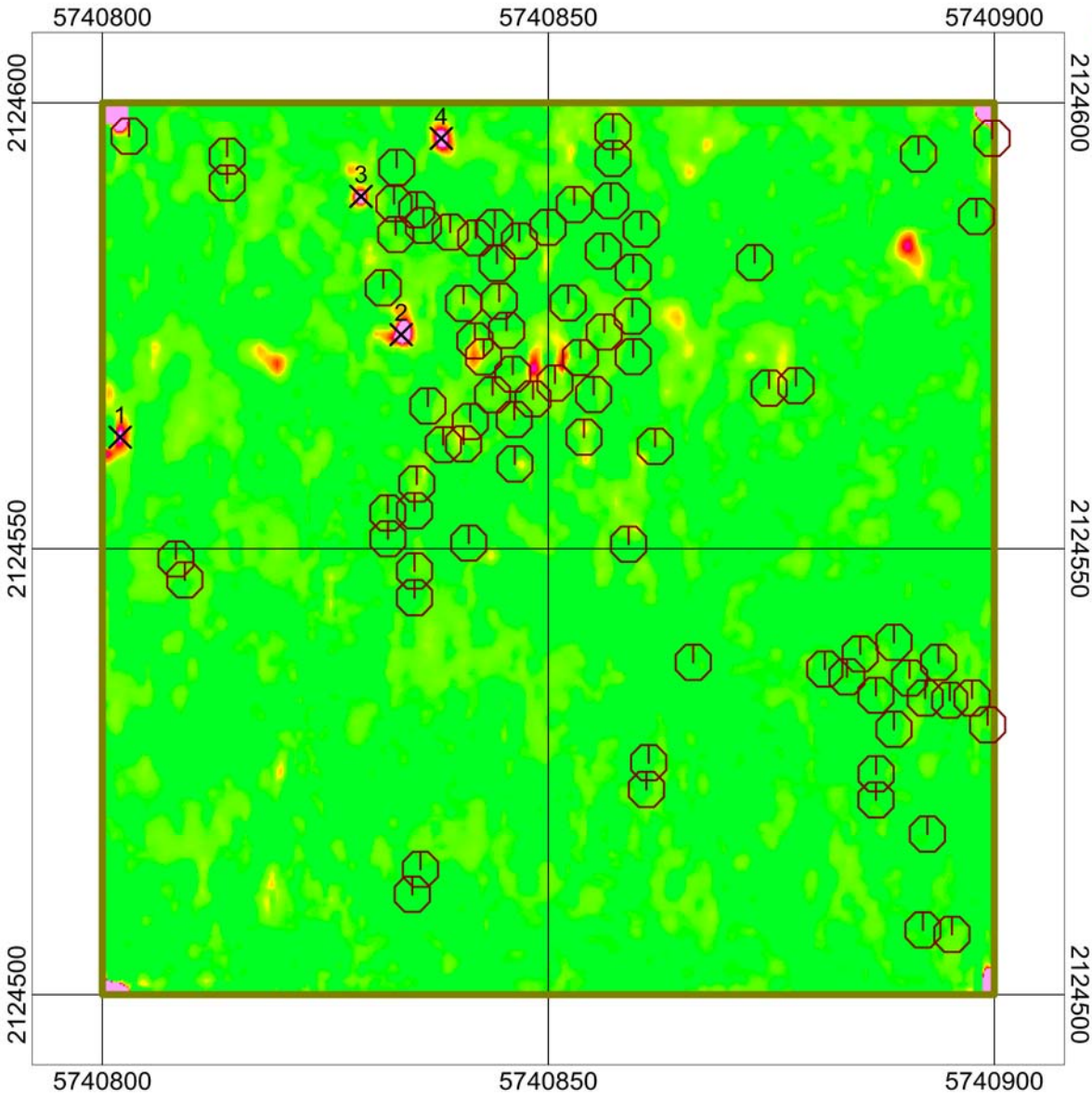
Scale 1:300

10 0 10 20

US survey foot

NAD83 / California CS83 zone 4

FORA Parker Flats Work Area III
Figure 1 **QA Resurvey Work Area III Grid 1 (C2C6I4)**
EM61 Machine-Towed Array Data Collected 6/25/2010 InDepth Corporation
Brian Hecker



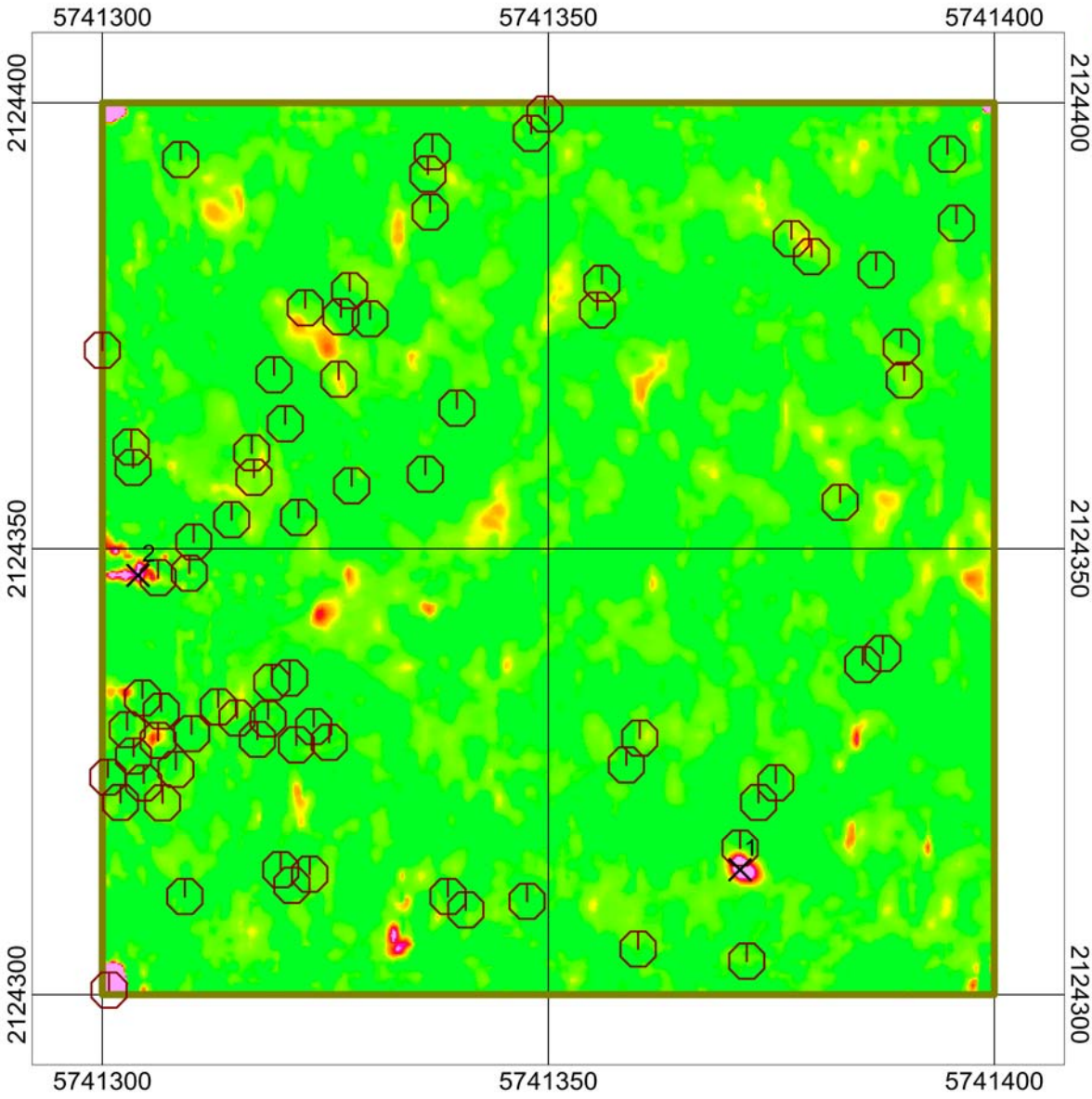
Legend

- QA DGM Target
- QA Polygon Boundary
- Weston DGM Target

EM61 Stack Response
milliVolts (mV)
1 2 4 5 7 8 10 12 14 16 18

Scale 1:240
10 0 10
US survey foot
NAD83 / California CS83 zone 4

FORA Parker Flats Work Area III
Figure 2 **QA Resurvey Work Area III Grid 2 (C2C6F4)**
EM61 Machine-Towed Array Date Collected 6/25/2010 InDepth Corporation
Brian Hecker



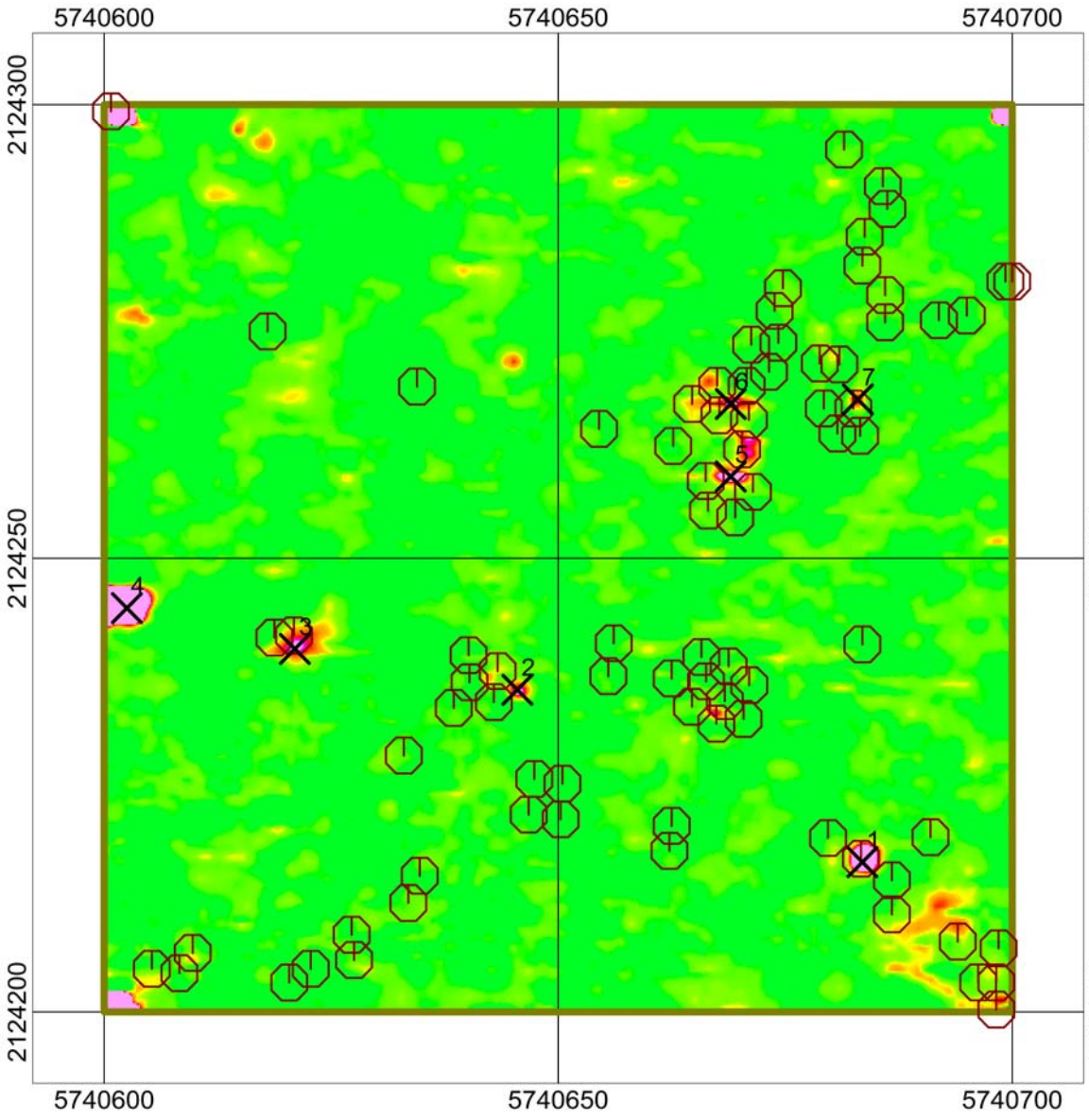
Legend

- QA DGM Target
- QA Polygon Boundary
- Weston DGM Target

EM61 Stack Response
milliVolts (mV)
1 2 4 5 7 8 10 12 14 16 18

Scale 1:240
10 0 10
US survey foot
NAD83 / California CS83 zone 4

FORA Parker Flats Work Area III
Figure 3 **QA Resurvey Work Area III Grid 3 (C2C6D9)**
EM61 Machine-Towed Array Date Collected 7/2/2010 InDepth Corporation
Brian Hecker



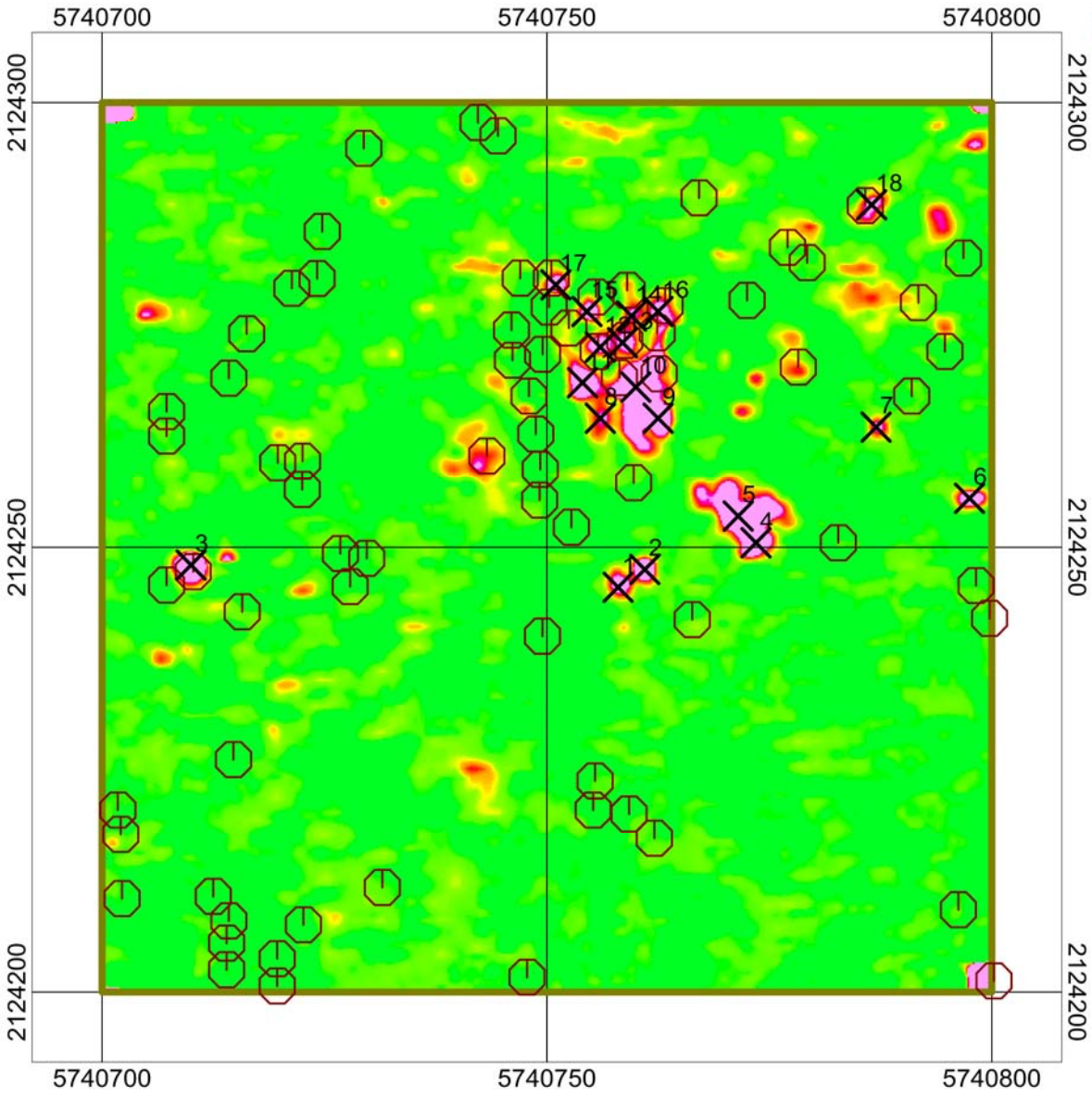
Legend

- QA DGM Target
- QA Polygon Boundary
- Weston DGM Target

EM61 Stack Response
milliVolts (mV)
1 2 4 5 7 8 10 12 14 16 18

Scale 1:240
10 0 10
US survey foot
NAD83 / California CS83 zone 4

FORA Parker Flats Work Area III
Figure 4 **QA Resurvey Work Area III Grid 4 (C2C6C2)**
EM61 Machine-Towed Array Date Collected 6/25/2010 InDepth Corporation
Brian Hecker



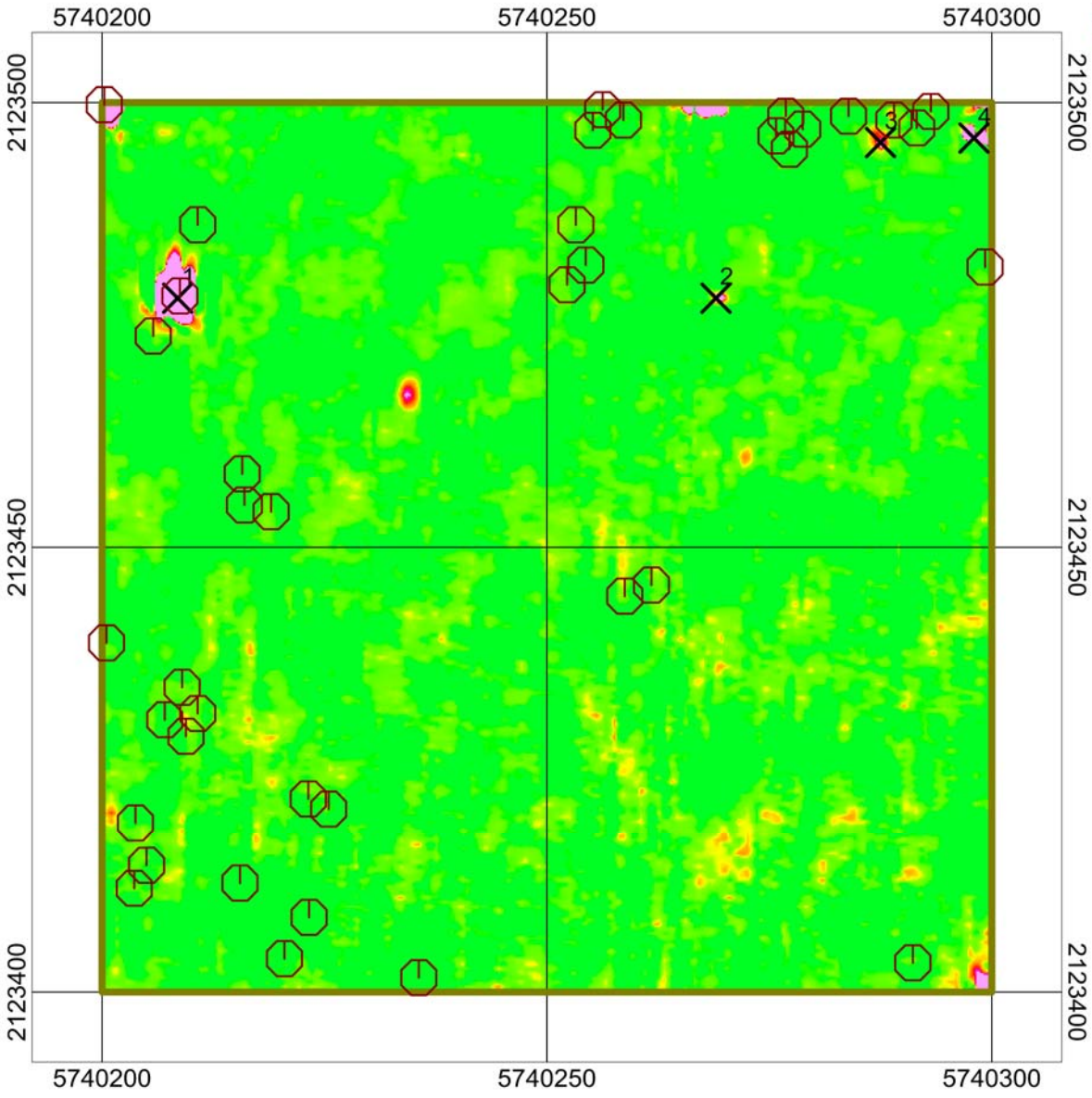
Legend

- QA DGM Target
- QA Polygon Boundary
- Weston DGM Target

EM61 Stack Response
milliVolts (mV)
1 2 4 5 7 8 10 12 14 16 18

Scale 1:240
10 0 10
US survey foot
NAD83 / California CS83 zone 4

FORA Parker Flats Work Area III
Figure 5 **QA Resurvey Work Area III Grid 5 (C2C6C3)**
EM61 Machine-Towed Array Date Collected 6/25/2010 InDepth Corporation
Brian Hecker



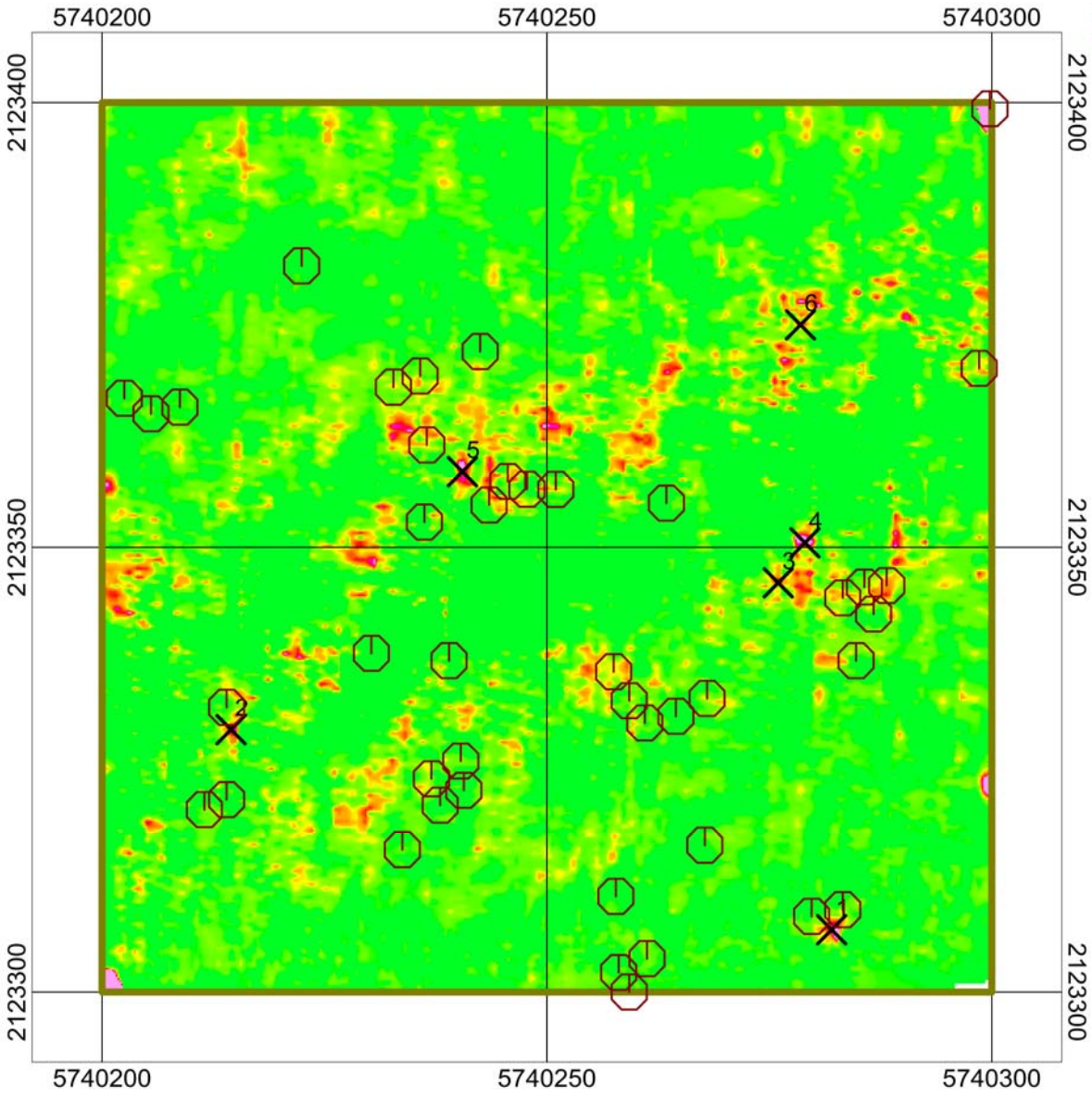
Legend

- QA DGM Target
- QA Polygon Boundary
- Weston DGM Target

EM61 Stack Response
milliVolts (mV)
1 2 4 5 7 8 10 12 14 16 18

Scale 1:240
10 0 10
US survey foot
NAD83 / California CS83 zone 4

FORA Parker Flats Work Area III
Figure 6 **QA Resurvey Work Area III Grid 6 (C2B5E8)**
EM61 Machine-Towed Array Data Collected 7/2/2010 InDepth Corporation
Brian Hecker



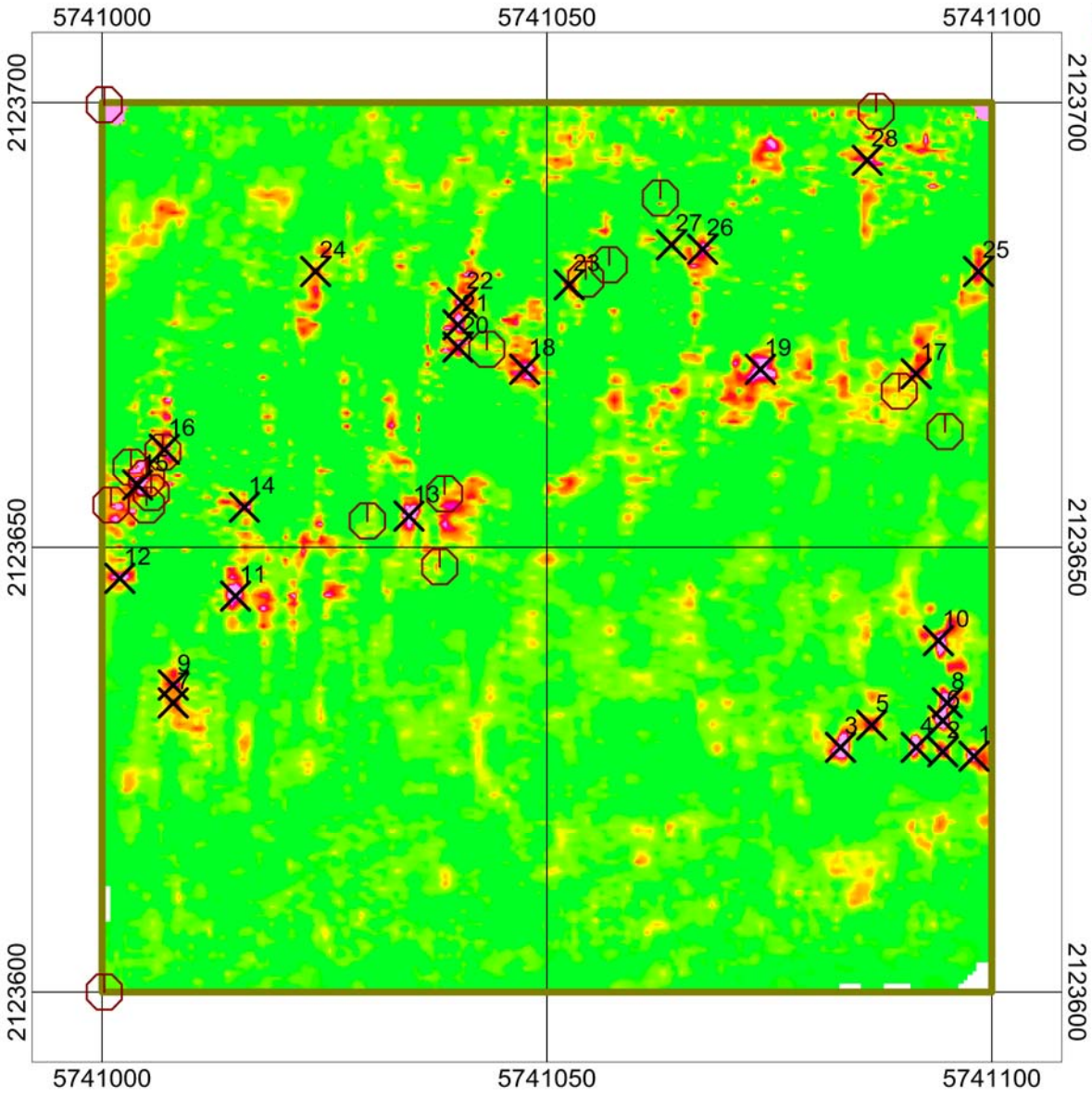
Legend

- QA DGM Target
- QA Polygon Boundary
- Weston DGM Target

EM61 Stack Response
milliVolts (mV)
1 2 4 5 7 8 10 12 14 16 18

Scale 1:240
10 0 10
US survey foot
NAD83 / California CS83 zone 4

FORA Parker Flats Work Area III
Figure 7 **QA Resurvey Work Area III Grid 7 (C2B5D8)**
EM61 Machine-Towed Array Data Collected 7/2/2010 InDepth Corporation
Brian Hecker



Legend

- QA DGM Target
- QA Polygon Boundary
- Weston DGM Target

EM61 Stack Response
milliVolts (mV)
1 2 4 5 7 8 10 12 14 16 18

Scale 1:240
10 0 10
US survey foot
NAD83 / California CS83 zone 4

FORA Parker Flats Work Area III
Figure 8 **QA Resurvey Work Area III Grid 8 (C2B6G6)**
EM61 Machine-Towed Array Data Collected 7/2/2010 InDepth Corporation
Brian Hecker

Appendix B. ERRG Field QA Oversight Reports

Fort Ord Reuse Authority ESCA Remediation Program
Quality Assurance Surveillance Plan

QUALITY ASSURANCE OVERSIGHT REPORTING FORM

Date: 9-11-09

Work Task (Milestone/Activity): Parker Flats

Survey Period: 9-01-09

Method of Surveillance (Visual, Document Review, Inspection, etc): **Visual**

Observations Concerning the LFR Team's Performance

Observations/Inspections performed by Jesse. J. Sipult, ERRG MEC Quality Assurance Professional.

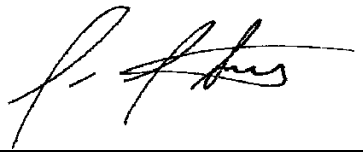
Observations:

The purpose of this site visit/audit was to observe the field UXO Teams conducting the investigation/clearance of the heavily contaminated polygons in the Parker Flats Area. I observed the UXO Teams conducting anomaly investigations in Area 3 and sifting operations in Area 1.

Corrective Action Required: ☐ Yes ☒ No

Evaluation of LFR Team's Performance During Surveillance Activities:

Overall this process is an effective process that will allow the LFR/Weston Team to effectively and efficiently clear the mass amount of metal debris and anomalies from these polygon areas.



Fort Ord Reuse Authority ESCA Remediation Program
Quality Assurance Surveillance Plan

QUALITY ASSURANCE OVERSIGHT REPORTING FORM

Date: 9-16-09

Work Task (Milestone/Activity): Parker Flats

Survey Period: 9-08-09

Method of Surveillance (Visual, Document Review, Inspection, etc): **Visual**

Observations Concerning the LFR Team's Performance

Observations/Inspections performed by Jesse. J. Sipult, ERRG MEC Quality Assurance Professional.

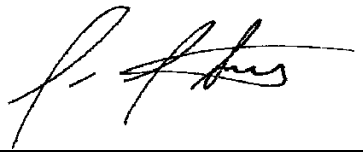
Observations:

The purpose of this site visit/audit was to observe the field UXO Teams conducting the investigation/clearance of the heavily contaminated polygons in the Parker Flats Area. I observed the UXO Teams conducting polygon excavation and sifting in Area 3 and anomaly investigation in Area 4.

Corrective Action Required: ☐ Yes ☒ No

Evaluation of LFR Team's Performance During Surveillance Activities:

Overall this process is an effective process that will allow the LFR/Weston Team to effectively and efficiently clear the mass amount of metal debris and anomalies from these polygon areas.



QUALITY ASSURANCE OVERSIGHT REPORTING FORM

Date: 10-27-09

Work Task (Milestone/Activity): Parker Flats Area 3 QA Seeding Program

Survey Period: 10-15-09

Method of Surveillance (Visual, Document Review, Inspection, etc): **Seeding Program**

Observations Concerning the LFR Team's Performance

Observations/Inspections performed by Luis Fierro, ERRG MEC Quality Assurance Professional.

Observations:

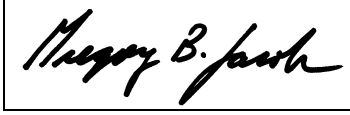
The purpose of this site visit/audit was for the QA Professional to place seeds in Parker Flats Work Area 3. Attached you will find the Northings and Eastings of the fifteen (15) seeds that were placed. A future audit will be submitted when the LFR/Weston team discovers the seeds.

Corrective Action Required: ☐ Yes ☒ No

Evaluation of LFR Team's Performance During Surveillance Activities:

Evaluation Discussion:

Not Applicable



SEED ID	NORTHING	EASTING	ELEVATION
errg seed 1	2124665.097	5741607.438	417.895
errg seed 2	2124620.785	5741532.191	420.105
errg seed 3	2124687.575	5741453.725	427.106
errg seed 4	2124554.042	5741391.792	425.988
errg seed 5	2124370.79	5741389.225	428.7
errg seed 6	2124204.526	5741385.7	447.236
errg seed 7	2124103.495	5741285.298	455.452
errg seed 8	2123908.265	5741333.219	444.441
errg seed 9	2123793.514	5741156.53	440.235
errg seed 10	2124136.604	5741005.095	452.902
errg seed 11	2124241.263	5740922.592	443.413
errg seed 12	2124405.114	5740746.25	440.604
errg seed 13	2124475.708	5740986.684	464.001
errg seed 14	2124663.61	5741238.719	443.247
errg seed 15	2124852.852	5741158.021	451.267

Appendix C. QC Seed Recovery Log

QA Seed Recovery Log
Parker Flats Work Area III

Work Area	Grid No.	Date Recovered	Recovered By	Notes
E20c.2 - Housing Future	C2B6H7	12/4/2009	Robert Smith	errg seed 9
E20c.2 - Housing Future	C2B6J9	11/18/2009	Tony Clark	ERRG seed #8
E20c.2 - Housing Future	C2C6B6	12/11/2009	Andrew Caldwell	ERRG seed #10
E20c.2 - Housing Future	C2C6B8	12/10/2009	Jack Kristensen	ERRG #7
E20c.2 - Housing Future	C2C6C5	12/18/2009	Tony Clark	ERRG #11
E20c.2 - Housing Future	C2C6C9	12/10/2009	Jack Kristensen	ERRG #6
E20c.2 - Housing Future	C2C6D9	12/21/2009	Matthew Lauchner	ERRG #5
E20c.2 - Housing Future	C2C6E3	12/22/2009	Bill Raash	errg qa seed 12
E20c.2 - Housing Future	C2C6E5	12/21/2009	Bill Raash	ERRG #13
E20c.2 - Housing Future	C2C6F9	12/23/2009	Tony Clark	ERRG #4
E20c.2 - Housing Future	C2C6G0	12/17/2009	Jack Kristensen	ERRG #3
E20c.2 - Housing Future	C2C6G8	12/16/2009	Matthew Lauchner	errg seed 14
E20c.2 - Housing Future	C2C6I7_E20c.2	12/30/2009	Tony Clark	erg seed 15
E20c.2 - Housing Future	C2C7G1	10/21/2009	Andrew Caldwell	errg seed 2
E20c.2 - Housing Future	C2C7G2	10/21/2009	Andrew Caldwell	errg seed 1

Appendix D. ERRG Blind Seeding SOP

QA/QC Blind Seeding

1. Purpose

1.1. OVERVIEW OF UXO SOPS

The series of Unexploded Ordnance (UXO) Standard Operation Procedures (SOPs) provide direction for and are applicable to the Munitions and Explosives of Concern (MEC) services provided by Engineering/Remediation Resources Group, Inc. (ERRG) and cover the breadth of the performance and verification of ERRG UXO services.

These policies and procedures are not all inclusive nor are they applicable in all situations. This SOP is not a stand-alone document and is to be used together with Work Plans (WP), other ERRG SOPs, the ERRG Accident Prevention Plan (APP), applicable Federal, State, local regulations, and contract restrictions and guidance.

1.2. PURPOSE OF THIS SOP

The QA Blind Seed Program is a QA process in which QA personnel strategically emplace inert UXO items or simulant items within the project production area to test and validate the MEC operations detection process. The validity of blind seeding as a QA tool is based on assumptions that seed items will accurately mimic actual MEC items expected to be found in the production area. If the UXO team detects the blind seeds, QA personnel determine the MEC operations procedures are working as planned. If the UXO teams fail to find a blind seed, the detection process is either inadequate or being implemented inadequately. Blind seeding should be planned, implemented, a documented and controlled by the ERRG QA Manager.

2. Scope

This procedure applies to all instances where the responsibilities of ERRG QA Specialist are charged with the emplacement of QA or QC blind seeding on MEC Intrusive projects.

3. References

- ERRG Health and Safety Program;
- OSHA, 29 CFR 1910, Occupational Safety and Health Standards;
- Site Specific Health and Safety Plan;
- Applicable sections of EPA, 40 CFR Parts 260 to 299, Protection of Environment;
- Applicable sections of DOT, 49 CFR Parts 100 to 199, Transportation;
- DOD 4145.26 M, Contractors' Safety Manual for Ammunition and Explosives;
- DOD 6055.9-STD, DOD Ammunition and Explosives Safety Standards;
- DOD 4160.21-M, Defense Reutilization and Marketing Manual;

- TM 9-1300-200, Ammunition General;
- TM 9-1300-214, Military Explosives;
- TM 60 Series Publications;

4. Definitions

Discarded Military Munitions (DMM). - Military munitions that have been abandoned without proper disposal or have been removed from storage in a military magazine or other storage area for the purpose of disposal. The term does not include unexploded ordnance, military munitions that are being held for future use or planned disposal, or military munitions that have been properly disposed of consistent with applicable environmental laws and regulations. (10 U.S.C. §2710(e) (2)).

Exclusion Zone (EZ) – A zone in which unauthorized personnel are not allowed to be present during MEC clearance or disposal activities.

Fuzes. - Devices that initiate the detonation sequence in munitions. Fuzes are typically associated with munitions (e.g., mortars and bombs), but they are occasionally found separately. They may contain a charge large enough to cause injury. Magnetic and proximity fuzes are the most sensitive and, depending on other factors (e.g., fuze location and arming), greatly influence the likelihood of detonation. When separated from the munitions, a fuze may not look like an explosive munitions item.

The terms fuse and fuze mean different things. For this SOP, a fuze is a mechanical or electrical device with explosive or non-explosive components designed to initiate a train of fire or detonation in ordnance (e.g., hand grenade). A fuse is a cord of readily combustible material that can be lit at one end to carry a flame along the length of the fuse to detonate an explosive at the other end (e.g., firecracker).

Military Munitions. - Ammunition products and components produced for or used by the armed forces for national defense and security. The term military munitions include ammunition products or components under the control of the Department of Defense, the U.S. Coast Guard, the Department of Energy, and the National Guard. The term includes confined gaseous, liquid, and solid propellants; explosives; pyrotechnics; chemical and riot control agents; smokes and incendiaries; bulk explosives; chemical agents; chemical munitions; rockets; guided and ballistic missiles; bombs; warheads; mortar rounds; artillery ammunition; small arms ammunition; grenades; mines; torpedoes; depth charges; cluster munitions and dispensers; demolition charges; and devices and components thereof.

Military munitions do not include wholly inert items, improvised explosive devices, or nuclear weapons, nuclear devices, or nuclear components. However, military munitions do include non-nuclear components of nuclear devices that are managed under the nuclear weapons program of the Department of Energy after all required sanitization operations under the Atomic Energy Act of 1954 (42 U.S.C. §2011 et seq.) have been completed. (10 U.S.C. §101(e)(4))

Minimum Separation Distance (MSD) – The minimum separation distance (MSD) is the minimum safe distance for non-essential personnel to be present during UXO Operations. Generally speaking, the maximum horizontal fragmentation distance is to be used for all unexploded ordnance (UXO) items as the MSD for all non-essential personnel for both intentional and unintentional detonations.

Munitions Constituents (MC). - Any materials originating from unexploded ordnance, discarded military munitions, or other military munitions, including explosive and non-explosive materials. MC also includes emission, degradation, or breakdown elements of such ordnance or munitions. (10 U.S.C. §2710(e)(3)) Note: Munitions constituents are MEC when explosive compounds of the munitions, such as TNT, RDX, and HMX, are in sufficient concentration as to pose an explosive hazard. This situation arises when concentration levels are 10 percent or more. Non-explosive munitions constituents and explosive concentrations less than 10 percent are not considered MEC.

Munitions and Explosives of Concern (MEC). - Specific categories of military munitions that may pose unique explosive risks, including:

- unexploded ordnance (UXO), as defined in 10 U.S.C. §101(e)(5);
- discarded military munitions (DMM), as defined in 10 U.S.C. §2710(e)(2); or
- munitions constituents (e.g., TNT, RDX), as defined in 10 U.S.C. §2710(e)(3), present in high enough concentrations to pose an explosive hazard. (See "Munitions constituents")

Munitions Response. - 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.

Unexploded Ordnance (UXO). - Military munitions that:

- (a) have been primed, fuzed, armed, or otherwise prepared for action;
- (b) have been fired, dropped, launched, projected, or placed in such a manner as to constitute a hazard to operations, installations, personnel, or material; and
- (c) remain unexploded whether by malfunction, design, or any other cause.

(10 U.S.C. §101(e)(5)(A) through (C)) P.L. 106-65, section 3031 (c)(5)(A), provides a more detailed description.

UXO Operations - UXO operations are defined as MEC identification; access procedures such as excavation, either by hand or using heavy equipment; handling of UXO, explosives or explosive items; or disposal, including movement, transportation, and final disposal of MEC.

5. Responsibilities

5.1. PROCEDURE RESPONSIBILITY

The MEC Quality Assurance Manager is responsible for maintenance, management, and revision of this procedure. Questions, comments, or suggestions regarding this SOP should be sent to the MEC Operations Manager.

5.2. PROJECT RESPONSIBILITY

ERRG QA Specialists performing this task, or any portion thereof, are responsible for meeting the requirements of this procedure. ERRG employees conducting technical review of task performance are also responsible for following appropriate portions of this SOP.

For those projects where the activities of this SOP are conducted, the UXO QA Specialist is responsible for ensuring that those activities are conducted in accordance with this and other appropriate procedures. Project participants are responsible for documenting information in sufficient detail to provide objective documentation that the requirements of this SOP have been met. Such documentation shall be retained as project records.

6. Procedure

6.1. MEC AVOIDANCE AND SAFETY CONSIDERATIONS DURING QA SEED EMPLACEMENT

MEC Avoidance procedures specified and outlined in the ERRG MEC Avoidance SOP will be utilized during the emplacement of QA/QC seeds to ensure the safety of personnel involved in operations. This is a valid safety precaution as seeding operations are performed on sites with potential. QA/QC seeding operations will be under the supervision of UXO qualified personnel. Non-UXO trained personnel will not be allowed in the exclusion zone (EZ) or work zone unless accompanied by a UXO Technician. During operations, ERRG personnel will strictly adhere to ERRG's Corporate Health and Safety Plan and Site Specific Health and Safety Plan and the following general safety practices:

- Operations will be conducted only during daylight hours;
- Access to operating areas will be limited to only those personnel necessary to accomplish the specific operation;
- UXO will not be handled during avoidance operations, personnel will be directed away/around from the item;
- During UXO operations the minimum separation distance (MSD) between UXO and non-UXO operations is the fragmentation distance of the munition with the greatest fragmentation distance (MGFD), as stated in the Work Plan. Personnel remaining on-site will be limited to those personnel needed to safely and efficiently prepare the item/s for destruction.);
- Non UXO technicians will receive initial ordnance recognition and safety training prior to beginning operations and will be escorted by qualified UXO personnel at all times;

- All personnel will attend the daily safety briefing (tailgate safety briefing) prior to entering the operating area;
- Anyone can stop operations for an unsafe act or situation;
- Safety violations and/or unsafe acts will be immediately reported to the UXO Safety Officer (UXOSO);
- Failure to comply with safety rules/procedures may result in termination of employment.

6.2. BLIND SEED EMPLACEMENT PROCEDURES

Prior to excavating for the purpose of subsurface seed placement a magnetometer will be utilized to ensure the excavation locations are free of MEC or MPPEH. This will prevent accidental detonation of buried MEC. The immediate area must be clear of metallic anomalies to ensure the intended detection of the blind seed is unimpeded. The procedures used after clearance with a magnetometer to emplace blind seeds are as follows:

- Ensure the seed item is marked with the correct ERRG seed identification number.
- Excavate the intended seed location to the predetermined depth, record depth utilizing the attached QA Seed Report.
- Emplace the blind seed and record burial data on the QA Seed Report as follows:
  - Place and record the blind seed item at depth with center mass of the item at the intended maximum depth.
  - Arrange and record the blind seed in the intended bearing and attitude. A picture of the item will then be taken.
- Once the blind seed has been emplaced and all data recorded, the item's location coordinates will be recorded on the QA Seed Report after being captured utilizing one of the following procedures, procedures are listed in order of preference priority:
  - When available an RTK GPS unit will be utilized to record the coordinates of the item.
  - When an RTK GPS is not available a handheld GPS may be utilized.
  - Measuring tapes used in conjunction with existing grid stakes and/or reacquired anomaly flags.
- The excavation will be backfilled with incremental amounts of soils, between each increment the backfill soils will be tamped to ensure optimum soil density.

6.3. CONFIDENTIALITY PROCEDURES

The confidentiality of the blind seed location coordinates is necessary to maintain the validity and effectiveness of the QA/QC blind seeding program. To maintain confidentiality the coordinate file within the GPS unit utilized in the blind seed emplacements will be erased or cleared after the coordinates have been transferred to the QA Seed Report. If possible a plot map may be generated plotting the blind seed

locations. The QA Seed Report and plot map, if generated, will be filed and secured by the ERRG QA Manager in such a way as it will not be available to project personnel. Once a blind seed has been discovered during MEC Intrusive operations the QA Manager will compare the coordinates provided by the UXOQC and the coordinated recorded on the QA Seed Report. Once the blind seed has been verified as a blind seed the QA Manager will report the blind seed as discovered.

7. Forms

QA Seed Report.