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Impact Area Groundwater Study Program Final Demolition Area 1 Source Area Completion of Work Report

**Camp Edwards
Massachusetts Military Reservation
Cape Cod, Massachusetts**

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ACRONYMS AND ABBREVIATIONS

2A-DNT	2-amino-4, 6-dinitrotoluene
4A-DNT	Dinitrotoluene – 4-amino-3, 6-dinitrotoluene
µg/Kg	microgram per kilogram
AMEC	AMEC Earth and Environmental, Inc.
bgs	below ground surface
BIP	Blow-in-Place
C4	Plastic Explosive Containing RDX
COC	Contaminants of Concern
Demo 1	Demolition Area 1
ECC	Environmental Chemical Corporation
EPA	U.S. Environmental Protection Agency
GPS	global positioning system
HE	High Explosives
HMX	Octahydro-1, 3, 5, 7-tetranitro-1, 3, 5, 7-tetrazocine
IAGWSP	Impact Area Groundwater Study Program
MassDEP	Massachusetts Department of Environmental Protection
MCP	Massachusetts Contingency Plan
MEC	Munitons and Explosives of Concern
mg/Kg	milligram/kilogram
mg/L	milligram/Liter
MMR	Massachusetts Military Reservation
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
RRA	Rapid Response Action
SDWA	Safe Drinking Water Act
TNT	2,4,6-trinitrotoluene
USACE	US Army Corps of Engineers
UXO	Unexploded Ordnance

EXECUTIVE SUMMARY

A source removal action was conducted to address contaminated soil, munitions and explosives at Demolition Area 1 (Demo 1) at the Massachusetts Military Reservation (MMR). The scope of the response action was developed and presented in the *Draft Rapid Response Action / Release Abatement Measure Plan, Demo 1 Soil Operable Unit [Draft RRA Plan]* (AMEC 2003). In addition, an analysis was conducted of areas outside, but adjacent to the excavation to determine whether the perimeter road was an appropriate delineation for the source removal action. That analysis was conducted in accordance with the *Final Supplemental PSI Work Plan* (AMEC 2002a).

The objective of these response actions was to eliminate potential sources contributing to groundwater contamination at Demo 1.

Investigations at Demo 1 had determined that soil contamination and a significant amount of metal were present within the perimeter road that surrounds the Demo 1 site. A Post-Screening Investigation, conducted to determine the horizontal and vertical extent of the soil contamination within the perimeter road, indicated that although the vertical extent of soil contamination was adequately delineated by available data, additional sampling was needed to define the lateral extent to the north, east and south of the perimeter road. A Supplemental Post-Screening Investigation was conducted to confirm that the perimeter road marked the extent of the contamination and the area that needed to be remediated during the source removal action.

The source removal response action was conducted between May 2003 and April 2006. The major fieldwork components included removal of geophysical anomalies, excavation of soil, investigation and removal of burn pit soil and contents, treatment/disposal of soils and site restoration.

The site was divided into 100- by 100-foot grids to facilitate pre-excavation clearance activities. Approximately 44,230 pounds of debris and 11,388 munitions items were detected and removed. A total of 57 potentially explosive munition items were Blown-In-Place (BIP) at Demo 1.

The soil excavation area was subdivided into 105 50-by-50-foot quadrants to facilitate management of excavation and sampling activities. The excavation was conceptually divided into three regions: the area below the 110-foot contour (the kettle bowl), the area between the 110- and 120-foot contours, and the remaining area between the 120-foot contour and the perimeter road around Demo 1. The kettle bowl was excavated to depths varying from 4 feet to 9 feet, until natural undisturbed soil was encountered. Once it appeared that undisturbed soils had been reached (8 feet below starting grade) a 4-foot deep test trench was excavated in the kettle bowl to observe underlying soils. Inspection of the test trench confirmed the excavation was completed to previously undisturbed native soil. The 110-foot to 120-foot zone was excavated to a depth of two feet below the starting grade. The remainder of the site was excavated to a depth of one foot below the starting grade.

After the prescribed depths of excavation were reached within each quadrant, 5-point confirmation samples were collected and analyzed for explosives using SW846 Method 8330 and for perchlorate by EPA Method 314.0 or SW846 Method 8321.

The sample results were reviewed to ensure that the residual Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) concentration was not greater than 0.120 microgram/kilogram (mg/Kg) as outlined in the *Draft RRA Plan (AMEC 2003)*. Based on the RDX results, additional excavations were conducted at 27 quadrants in order to remove soil with concentrations above the 0.120 mg/kg remediation goal. The 0.004 mg/Kg perchlorate treatment standard developed for the thermal operations (*Final Soil Treatment Plan (ECC 2004a)*) was adopted for assessment of the post-soil-excavation samples during the soil excavation. One quadrant (Quadrant 68) was excavated deeper than originally designed based on the presence of perchlorate.

A total of 15 burn pits were discovered at Demo 1 during the anomaly clearance and excavation activities. Thirteen of these burn pits were inside the 110-foot topographic contour line. The other two were between the 110-foot and 120-foot topographic contour lines. A soil characterization sample was collected from each burn pit during the removal of burn pit items and soils and a post-soil-excavation confirmation sample was collected from the base of the pit. The excavated soil was containerized and sent off-site for disposal based on results of characterization sampling.

The final excavation volume from Demo 1 was approximately 18,500 cubic yards. A majority of this soil was processed in the thermal treatment unit. Soils from Demo 1 were treated along with soils from several other sites including the J-3 Range, Demolition Area 2, Gun Position 6, and Central Impact Area Targets 23 and 42. Samples of treated soil were collected and analyzed for explosives and perchlorate to ensure that the soil treatment criteria (RDX $\leq$ 0.120 mg/Kg, perchlorate $\leq$ 0.004 mg/Kg) for backfill were met. Soils not meeting these criteria were treated again with the thermal treatment unit. After successful treatment, the soils were staged, and eventually used, as backfill at Demo 1. Treated soil was not analyzed for other compounds because, with the exception of lead, there were no pre-excavation exceedences of Method 1 S-1/GW-1 standards. Areas with lead above the S-1/GW-1 standard of 300 mg/Kg were primarily located in burn pits. These were excavated and a total of approximately 980 tons of burn pit soils and some response action soil were transported off-site for appropriate disposal based on characterization samples. This included soil from Quadrant 19 where lead detections exceeded 15,000 mg/Kg. All other soil with lead detections above 300 mg/Kg were excavated to a depth where detections were below that standard and treated with the other Demolition Area 1 soils. The average concentration for lead in all the Demo 1 quadrants treated by thermal desorption was 42.7 mg/Kg.

The post-soil-excavation geophysical survey was performed at Demo 1 to identify and remove subsurface anomalies that remained after soil removal. Each of 2,480 potential targets identified based on the electromagnetic response signals was investigated. In order to confirm the effectiveness of the investigation, 10 locations were selected for a re-survey. The re-survey did not show any response from the low-millivolt response locations, and exhibited limited response from the high-millivolt response locations. The locations that showed a survey response were investigated by unexploded ordnance (UXO) personnel. The only items found were isolated munitions debris, demonstrating that the clearance effort had been comprehensive. Additionally, 15 separate locations, for a total of one percent of the potential targets, were re-surveyed as an additional quality control check to demonstrate further the effectiveness of the survey and clearance effort. These locations represented the 15 highest signal responses from the

previous surveys in the "No-Find" category. There was a signal response at four of the 15 locations. These four locations were investigated and the only items detected (at two of these locations) were metal plates and a munitions debris item.

The source removal action goal of eliminating potential threats to groundwater from contamination within the area enclosed by the Demo 1 perimeter road has been achieved. Post-soil-excavation confirmation samples from the base of each quadrant excavation and burn pit show that no detectable concentrations of RDX remain at the site. Only one explosive compound, octahydro-1, 3, 5, 7-tetranitro-1, 3, 5, 7-tetrazocine (HMX), was detected in soils that remain at the site. The concentrations detected at three separate locations (0.76, 0.76 and 0.13 mg/Kg) are all well below the MCP Method 1, S-1/GW-1 standard of 2 mg/Kg. The highest concentration of perchlorate remaining (0.0025 mg/Kg) is below the reporting limit of the analytical method. Based on these results, it can be concluded that there is no significant, residual contamination remaining at Demo 1 within the area enclosed by the perimeter road that could pose a threat to groundwater.

A Supplemental Post-Screening Investigation collected samples at 22 soil grids located outside the northern, eastern, and southern portions of the Demo 1 perimeter road to determine whether the road was an appropriate delineation for the source removal action. Soil samples also were collected from two grids located within the perimeter road. The soil sampling grids each measured 22 feet by 22 feet and consisted of five sampling points arranged in an "X" pattern. The composite samples were submitted for analysis of explosives, metals, semi-volatile organic compounds, dyes, and perchlorate. 2,4-dinitrotoluene (2,4-DNT), RDX, HMX, 2,4,6-trinitrotoluene (TNT) and 1,3-Dinitrobenzene were each detected in only one of the 22 sample locations outside of the perimeter road. Perchlorate was detected in three of the 22 sample locations outside of the perimeter road. The low frequency of detection suggests that a widespread source of contamination is not present. The results of the Supplemental Post-Screening Investigation support the conclusion that the perimeter road delineates the extent of significant contamination in soil at Demolition Area 1 and that the perimeter road was an appropriate delineation for the excavation conducted during the response action. Based on the types of contaminants detected, their levels and frequencies of detection, no further assessment or remediation outside the perimeter road is warranted.

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1.0 INTRODUCTION

This Source Area Completion of Work Report provides details of a source removal action conducted to address contaminated soil, munitions and explosives at Demolition Area 1 (Demo 1) at the Massachusetts Military Reservation (MMR). The MMR is a 21,000-acre facility located in/adjacent to the towns of Bourne, Falmouth, Mashpee, and Sandwich in Barnstable County, Massachusetts. Approximately 15,000-acres of MMR constitute the training area known as Camp Edwards.

The following items are included in this report:

- Section 2.0 provides a background of the activities at Demo 1, and outlines the scope of work that was developed for the source removal action.
- Section 3.0 provides a detailed account of the site work and explains any deviation from the previously defined scope.
- Section 4.0 summarizes the restoration work conducted on site.
- Section 5.0 summarizes the Supplemental Post-Screening Investigation
- Section 6.0 summarizes the data that were collected during and after the response action, and demonstrates that the goal of the response action was achieved.

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2.0 BACKGROUND

Demo 1 is located on Camp Edwards north of Pocasset-Forestdale Road and south of the Impact Area (Figure 2-1). The soil contamination and presence of geophysical anomalies resulted from demolition activities conducted at Demo 1 from the mid 1970's to the late 1980's. Activities at Demo 1 included the destruction of various types of munitions, fireworks, pyrotechnic devices, small arms ammunition and related items using explosive charges of the plastic explosive C-4, (90% RDX, 10% inert materials). The predominant explosive compounds used in demolition are RDX and TNT. Further site details are presented in Sections 2.0 and 3.0 of the *Draft RRA Plan*.

Since 1997, approximately 950 soil samples were collected from Demo 1 during various investigations. The *Draft RRA Plan* presented a list of nine contaminants of concern (COC) at Demo 1 based on the migration pathway to groundwater. Of those nine, the following seven explosive and propellant compounds were repeatedly detected in soil at Demo 1:

- RDX
- Octahydro-1, 3, 5, 7-tetranitro-1, 3, 5, 7-tetrazocine (HMX)
- 2A-DNT
- 4A-DNT
- TNT
- 2,4-DNT
- Perchlorate

RDX was the most widely distributed and frequently detected COC and was present at higher concentrations than other COCs. Other COCs were mostly co-located with RDX and thus shared the same lateral and vertical extents. RDX and perchlorate were deemed the primary COCs impacting groundwater (*Draft RRA Plan*). However, the source strength of perchlorate was apparently depleted based on observed groundwater concentrations at the source being two orders of magnitude less than concentrations within the plume downgradient. Therefore, it was determined during the development of the *Draft RRA Plan* that RDX concentrations in the post-soil-excavation confirmation samples would be used as the basis for assessing the success in meeting remediation goals and the need for additional excavation during the response action. The distribution of RDX and perchlorate in groundwater and the Demo 1 source area are shown in Figure 2-2.

Soils from Demo 1 were classified in two categories in the *Draft RRA Plan*. Category 1 included soil that originated from suspected burn pits. All other soil was classified as Category 2.

The *Draft RRA Plan* was provided to the regulatory agencies in February 2003 (Appendix A, attached CD). The scope of this plan was modified during subsequent discussions. Documentation regarding these modifications is included as Appendix B (attached CD).

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3.0 DESCRIPTION OF RESPONSE ACTIONS

The following were major fieldwork components of the Demo 1 response action:

- Pre-Excavation Anomaly Removal
- Soil Excavation
- Burn Pit Excavation
- Soil Screening, Treatment, and Disposal
- Post-soil-excavation Geophysical Investigation and Anomaly Removal
- Blow-in-Place (BIP) Events
- Backfilling and Site Restoration

The site is depicted in Figure 3-1. Table 3-1 below provides a chronology of the response action activities at Demo 1.

TABLE 3-1

CHRONOLOGY OF EVENTS FOR DEMO 1 SOURCE RESPONSE ACTION

DATE	EVENT
May 2003 – June 2003	Mobilization, clearing and grubbing
July 2003 – May 2004	Anomaly clearance for excavation
November 2003 – December 2004	Excavation/Confirmation Sampling
July 2004 – January 2005	Thermal Treatment of Demo 1 soils
May 2005 – July 2005	Additional Excavation/Confirmation Sampling
June 2004 – October 2005	Final EM-61 geophysical survey and anomaly removal
October 2005 – December 2005	Site Restoration

3.1 Pre-Excavation Anomaly Removal

Geophysical surveys were conducted using an EM-61 Time Domain Electro-magnetic Detector (EM-61) at Demo 1 in 2000. Signal responses that were greater than a 3 millivolt threshold from the EM-61 survey indicated the presence of more than 2,500 anomalies (Figure 3-2). The entire site was divided into 100- by 100-foot grids. Each grid was further subdivided into sweep lanes 3-feet wide (Appendix H, Photograph 3-1). Analog geophysical instruments, such as Schonstedts (Model GA 52Cx), Vallons (VMX-2), and Whites (Spectrum DFX), were used to locate anomalies, which were then excavated and removed. When the anomaly clearance was deemed complete at a location, a Quality Control (QC) inspection was performed by the UXO QC Officer. Once the QC inspection was complete, quality assurance was performed by the United States Army Corps of Engineers (USACE) Ordnance and Explosives Safety Specialist.

The EM-61 MK2 is a dual-coil, time-domain Electro Magnetic induction instrument used to detect both ferrous and non-ferrous metallic objects during geophysical surveys. The EM-61 MK2 has the ability to collect and store digital data that can be processed and analyzed for anomaly selection. This instrument can detect anomalies to an effective depth of four feet, depending on the size and mass of the item. The Schonstedt magnetometer is a flux-gate magnetometer that only detects ferrous metal. Detection of a metallic anomaly is through an audible tone that alerts the operator to the presence of an anomaly. The Schonstedt magnetometer does not have the ability to collect digital data. The detection depth is limited by the size and orientation of a target and soil characteristics of the work area.

Anomaly clearance was performed up to a depth of 24-inches below ground surface (bgs) prior to excavation with earth moving machinery. After all anomaly items were cleared, the proposed excavation area was excavated to a depth of 12-inches bgs. This was followed by a subsequent clearance to a depth of 24-inches bgs as required for additional excavation. This procedure was repeated until the excavation was complete based on the criteria outlined in the *Draft RRA Plan*. Anomalies were cleared from the western portion of the site between the excavation boundary and the perimeter road in accordance with the *Draft RRA Plan*. Munition items located and removed during this clearance phase are listed in Table 3-2, and illustrated by grids in Figure 3-3. Inert items and scrap, categorized as either munitions or range-related debris were also encountered during the clearance of metallic anomalies. These were appropriately segregated and managed.

A pit consisting of several buried items was discovered in grid B-6 during the clearance effort. Additional investigation indicated that this location only contained several inert items such as inert rocket motors, inert warheads, and inert projectiles. No samples were collected at this location, and the area was subsequently excavated and sampled as part of the excavation process.

The following items were discovered during the initial clearance:

- 11,365 inert or potentially explosive munitions items sent to the contained detonation chamber (Appendix H, Photo 3-2)
- 23 potentially explosive munition items that required BIP (Appendix H, Photo 3-3)
- Approximately 23,000 pounds of munitions debris were handled in accordance with *Draft Materials Disposition Plan*, (ECC 2004) (Appendix H, Photo 3-4)
- Approximately 21,230 pounds of range-related debris were handled in accordance with the *Draft Materials Disposition Plan*, (Appendix H, Photos 3-5 and 3-6)

Incident reports were created for all munitions items discovered. The incident reports included details about each item such as type, condition, weight, and exact location.

A partial piece of a rocket motor and a flare with exposed fillers, potentially containing contaminants of concern, were found during the pre-excavation clearance (Table 3-2). The items were found in the western portion of the site (Location SS334-A and SS333-A respectively, Figure 3-5) and were removed for destruction in the contained detonation chamber. Soil near the items was excavated and treated in the thermal treatment unit. Based on the potential contents of the rocket motor and flare, the area under each item was sampled (ECC081103DM01 & ECC081103DM02 respectively, Table 3-3) for perchlorate. Following the detection of perchlorate in the sample from under the flare, supplemental samples were collected from a 10- by 10-foot grid and 20- by 20-foot grid around this area. Perchlorate was not detected in any of the supplemental samples. An additional lift was excavated from the 5- by 5-foot area under the location of the flare and a post-soil-excavation confirmation sample was collected from the base of that excavation (ECC081103DM02-PE1, Table 3-3). It confirmed that no perchlorate was left at this location. The sample results under the rocket motor (ECC081103DM01) were nondetect for perchlorate. A summary of the results is provided in Table 3-3. Complete sample results are presented in Appendix C-1.

3.2 Soil Excavation

The lateral and vertical extents of the proposed soil excavation area, as outlined in the *Draft RRA Plan*, are shown in Figure 3-1. The excavation was conceptually divided into three regions. The 1-foot excavation area was defined by the 120-foot topographic contour, the perimeter road, and the western excavation boundary. The two-foot excavation area was defined as the area between the 110- and 120-foot topographic contours and generally consisted of the steep side slopes leading to the kettle bowl. The area inside the 110-foot topographic contour, referred to as the "kettle bowl", was to be excavated down to native/undisturbed soils. It was estimated in the response action Plan that excavation depths in the kettle bowl would reach native undisturbed soil at approximately eight feet bgs. A total of 15,000 cubic yards of soil was expected to be excavated from Demo 1 upon completion of the planned excavation.

Excavation commenced in November 2003. The excavation was conducted by a Lexan-shielded excavator. A Lexan-shielded dozer also was used for excavation in the kettle bowl. Excavations were conducted in lifts of 1-foot depth or less, in accordance with the anomaly clearance procedures. UXO personnel were present and provided construction support during all excavation activities (Appendix H, Photograph 3-7). A water truck was utilized for dust control. Hay bales were utilized for erosion control around excavated soil that was staged within the excavation boundaries prior to screening.

The excavation area was subdivided into 105 quadrants measuring 50- by 50-feet, as illustrated in Figure 3-1. Quadrants that were only partly within the proposed excavation area were consolidated with adjacent quadrants for sampling (Table 3-4). After the prescribed depths of excavation were reached within each quadrant, a 5-point composite sample was collected from each quadrant as a post-soil-excavation confirmation sample. The samples were analyzed for explosives using SW846 Method 8330 and perchlorate by EPA Method 314.0. The analytical method for perchlorate was later changed to SW846 Method 8321. The change in the perchlorate analytical method was made in June 2004 after laboratory studies and literature research indicated that the SW846 Method 8321 provided results that are more reliable and are confirmed by Mass Spectroscopy. The method is less susceptible to matrix interferences, especially for complex matrices such as soil.

All post-soil-excavation confirmation sample results were reviewed to determine if residual RDX concentration met the remedial goal of 0.120 mg/Kg. The perchlorate treatment goal of 0.004 mg/Kg developed for the thermal operation was adopted for assessment of the post-soil-excavation samples during the response action.

After original confirmation samples still detected explosives, Quadrants 60, 62, 70, and 73 were pre-sampled at different depths prior to further excavation in order to determine the ultimate depth required to meet the remedial goals and expedite the excavation process.

Figure 3-4 illustrates the quadrants that were excavated deeper than the depths proposed in the *Draft RRA Plan*. Only one quadrant (the first additional lift of Quadrant 68) was excavated deeper than proposed based on presence of perchlorate. Eleven post-soil-excavation samples showed detections of residual perchlorate with a maximum estimated concentration of 0.0025 mg/Kg. One post-soil-excavation quadrant sample (Q43-02FD) had a residual explosive concentration of HMX at 0.76 mg/Kg, which was

left in place. One post-soil-excavation quadrant sample (Q19) had an average lead concentration (256 mg/Kg) below the MCP Method 1 S-1/GW-1 soil standard, which was left in place. Table 3-4 provides a summary of quadrant excavations and post-soil-excavation sample results. Complete post-soil-excavation sample results are presented in Appendix C-2.

Once field personnel identified what they believed was undisturbed soil within the kettle bowl at a depth of approximately eight feet below the starting grade, a 4-foot deep test trench was excavated at a representative location in the kettle bowl at Quadrant 57. Inspection of the test trench confirmed that the excavation had been completed to previously undisturbed native soil based on the natural stratifications observed in the soil. Photographs (3-8 & 3-9) taken during the excavation of the test trench are included in Appendix H. Photograph 3-9 shows natural stratification of the soils on the trench sidewall.

After the excavation had reached an undisturbed soil horizon, an additional 6-inch lift was excavated from the bottom of the kettle bowl prior to the collection of post-soil-excavation samples. The intent of this lift was to ensure that soil samples, representative of the bottom of the excavation, were collected without dilution by eroded soils from higher elevations. Confirmation samples within the kettle bowl were collected after this final lift.

The final excavated quantity of soils was approximately 18,500 cubic yards, compared to the original estimate of 15,000 cubic yards. Category 1 (burn pit) soil excavation and disposal is discussed in Section 3.3. Category 2 (other) soils excavated from Demo 1 were sent to the thermal treatment unit for treatment with the following exceptions:

- Approximately 65 cubic yards of soil with high lead concentrations identified in Quadrant 19 (Figure 3-5) were excavated and sent to a Subtitle C landfill, as discussed in Section 3.6. Two 1-foot lifts were removed from these areas. The post-soil-excavation confirmation samples from this quadrant were also analyzed for lead, as listed in Table 3-4. The final results for lead (49 mg/Kg) were below the MCP Method 1, S-1/GW-1 standard of 300 mg/Kg.
- Approximately 340 cubic yards of soil from Quadrants 60, 62, 70, and 73 excavated after the thermal treatment unit was demobilized from the site, were disposed of off-site as non-hazardous waste (see Section 3.6).
- Approximately 30 cubic yards of soil, excavated as a result of post-BIP analytical results after the thermal treatment unit was demobilized, were sent off-site as non-hazardous waste as discussed in Section 3.6.

Chemical analyses of samples collected at the base of all excavations showed that the level of residual RDX met the remediation goal of 0.120 mg/Kg (Figure 3-4). Additionally, the level of residual perchlorate met the 0.004 mg/Kg goal at all locations. One post-excavation sample (Q43-02FD) had a residual explosive concentration of HMX at 0.76 mg/Kg. Consistent with the response action Plan, soil in this quadrant (Quadrant 43) meets the remediation goal. The HMX is well below the MCP Method 1, S-1/GW-1 standard of 2 mg/Kg.

3.3 Burn Pit Excavation

Fifteen burn pits were discovered at Demo 1 during the geophysical anomaly investigation (Figure 3-5). Thirteen of these burn pits were discovered within the 110-foot topographic contour line. The other two were located along the edge of the kettle bowl between the 110-foot and 120-foot topographic contour line, in Quadrants 45 and 42. Burn pit soils were classified as Category 1. Approximately 210 cubic yards of Category 1 soil were excavated from the burn pits.

A soil sample was collected during the removal of the burn pit contents to characterize the waste for purposes of disposal. Lists of items found within each pit are included in Appendix E. The items were segregated into munitions and metallic debris. Contaminated soil was segregated and sent off-site in accordance with the *Draft RRA Plan*, as discussed in Section 3.6.

Once all items and stained soils were removed from the pit (Appendix H, Photo 3-10), a post-soil-excavation sample was collected from the base of the pit. Table 3-5 summarizes the burn pit excavations and lists the post-soil-excavation sample identification numbers. There were no detections in the original confirmation samples from the base of burn pits Q42-BP-005 and Q45-BP-004. The original confirmation sample result from the base of burn pit Q43-BP-001 had a detection of RDX. An additional one foot of soil was removed from the burn pit and the base re-sampled for explosives. No explosives were detected in the final confirmation sample. Explosives and/or perchlorate were detected in eight other burn pit post-soil-excavation samples, but the depths of these eight burn pits were all shallower than the excavation depths of the quadrants in which they were located. Thus, the removal of any residual contamination was confirmed through post-soil-excavation sampling of the quadrants. Post-soil-excavation samples specific to burn pits Q45-BP-001, Q45-BP-002, and Q56-BP-001 were not collected. As depicted in Figure 3-6, the bottom of the burn pits were located above the planned soil excavation depth. The quadrant confirmation samples indicated that all burn pit contaminated soil was removed.

As described in Section 3.2, an additional six-inch lift of soil was excavated from the base of the kettle bowl after the burn pits in the bowl were cleared and sampled. Therefore, approximately six additional inches of soil were removed from the bottom of those burn pits coinciding with the base of the excavation (Figure 3-6) including Q42-BP-003, Q42-BP-004 and Q45-BP-004. The burn pit post-excavation samples indicated that all burn pit contaminated soil was removed from these pits.

Results of samples of burn pit soils and of the base of the resulting excavations are presented in Appendix C-3 and C-4. Burn pit soils were transported off-site for disposal as non-hazardous wastes except burn pit soils from Q44-BP-001, Q42-BP-002, Q45-BP-002, and Q56-BP-002 as described in Section 3.6.

Chemical analyses of samples collected at the base of the burn pits showed that the levels of residual RDX met the ≤ 0.120 mg/Kg remedial goal. Additionally, the level of residual perchlorate met the 0.004 mg/Kg goal at all locations. HMX was detected at 0.76 mg/Kg in one sample (Q45-BP-004 (post)). The HMX is well below the MCP Method 1, S-1/GW-1 standard of 2 mg/Kg. Refer to Appendices C-3 and C-4 for details of explosives, perchlorate and dioxins results.

3.4 Soil Screening

Excavated Category 2 soils from Demo 1 were mechanically screened on-site (Figure 3-4) to remove items not identified during anomaly removal operations. A Findlay 312 Hydrascreen with a 1-inch screen was used for screening operations. The soil was placed in the screening plant using a Lexan-shielded, front-end loader. The UXO team observed each load for the presence of munition items or debris on a conveyor that carried screened material away from the screen. The objective of this operation was to ensure that all metallic objects were removed from soil that would be either treated by the thermal treatment unit or shipped off-site for disposal. Material greater than one inch was further screened with a magnet and visually inspected.

Items encountered during screening operations of Demo 1 soils and soils from other sites (Table 3-6) included:

- 3,239 items that were sent to the contained detonation chamber.
- 27 items that were removed from the screener and BIP.
- 13,984 lbs of metallic debris

BIP items identified during soil screening operations are discussed in Section 3.8.

Burn Pit soils were screened manually using a table screen or using a 1/2-inch mechanical deck screen to ensure removal of all potential anomalies prior to off-site disposal.

3.5 Soil Treatment

Category 2 soils were processed in the thermal treatment unit at a maximum feed rate of 40 tons per hour at a minimum soil exit temperature of 840 degrees Fahrenheit. These parameters and other automatic waste feed shut-off criteria were set in accordance with the permit requirements of the Massachusetts Department of Environmental Protection (MassDEP) Bureau of Waste Prevention – Air Quality.

Soils from Demo 1 were treated along with soils from several other sites including the J-3 Range, Demolition Area 2, Gun Position 6, and Central Impact Area Targets 23 and 42. Additional soils treated with the thermal treatment unit, but not co-mingled during treatment, were excavated from the J-2 Range and Chemical Spill-19 (an Air Force Center for Engineering and the Environment site).

Soil samples collected from the treated soil were analyzed for explosives and perchlorate to ensure that the treatment goals were met. Treated soil was analyzed at the following frequency:

- one sample for perchlorate analysis every 100 cubic yards
- one sample for explosives analysis every 500 cubic yards

Analytical methods used for the evaluation were Method SW846/8330 for explosives, and Method SW846/8321 Liquid Chromatography Tandem Mass Spectrometry Method for perchlorate. The treatment criteria were defined as:

- 120 µg/Kg for explosives, except for Nitroglycerin

- 2,500 µg/Kg for Nitroglycerin
- 4.0 µg/Kg for perchlorate

Treated soil was not analyzed for other compounds because, with the exception of lead, there were no pre-excavation exceedences of Method 1 S-1/GW-1 standards. Areas with lead above the Method 1 S-1/GW-1 standard of 300 mg/Kg were primarily located in burn pits (Figures 3-5 and 3-5 A). These were excavated and a total of approximately 980 tons of burn pit soils and some response action soils were transported off-site for appropriate disposal based on characterization samples. This included soil from Quadrant 19 where lead detections exceeded 15,000 mg/Kg.

Pre-excavation samples from four other Demo 1 quadrants inside the perimeter road had concentrations of lead above the Method 1 S-1/GW-1 standard of 300 mg/Kg at the 0- to 3-inch depth and one location had a concentration above 300 mg/Kg at the 3 to 6 inch depth. The soil in these quadrants was excavated to a depth where lead detections were below 300 mg/Kg and treated with other Demolition Area 1 soils. Information on the lead concentrations detected in all of the soil samples collected at Demo 1 are provided in Table 3-7. The location of those samples is shown on Figure 3-5 B. The average concentration for lead in all the Demo 1 quadrants treated by thermal desorption was 42.7 mg/Kg (Table 3-7).

Pre-characterization samples collected from the soil from all the other sites treated in the thermal desorption unit were analyzed for lead to comply with state air-emission regulations. The average lead results for each site were below Method 1 S-1/GW-1 standards. The average concentration from all the sites, including Demo 1, was 76 mg/Kg (Table 3-8).

Stockpiled soils were managed and tracked in accordance with the *Final Soil Treatment Plan* (ECC 2004). Soils not meeting the treatment criteria were treated again with the thermal treatment unit. After successful treatment, the soils were used as backfill at Demo 1 within the area formerly defined by the 120-foot topographic contour.

Additional details about the thermal treatment, data, and treatment quantities are included in the *Final MMR Thermal Treatment Unit Report* (ECC 2006).

3.6 Soil Disposal

All Category 1 soils and some Category 2 soils were transported off-site for disposal (Table 3-9).

Category 1 soils were sampled for waste characterization. Based on the results, soils were transported off-site as non-hazardous wastes to Subtitle D landfills (Waste Management Turnkey Landfill and Crossroads Landfill, Table 3-9) with the following exceptions:

- The characterization sample from burn pit Q44-BP-001 indicated a mercury level of 213 mg/Kg [Q44-BP-001 (pre), Appendix C-3]. The MCP Method 1, S-1/GW-1 criteria for mercury is 20 mg/Kg. Approximately 10 cubic yards of soil removed from this burn pit were segregated and transported off-site as a D009 listed waste to a hazardous waste disposal facility, Jones Environmental /Stablex.

Four drums of metal debris from this pit were sent to an RCRA recycling facility, Complete Recycling Solutions.

- A Toxicity Characteristic Leaching Procedure (TCLP) analysis of a composite sample of soil from burn pits Q42-BP-002, Q45-BP-002, and Q56-BP-002 (Appendix C-5) indicated a TCLP value for lead of 14.1 mg/L, which exceeded the TCLP criteria of 5.0 mg/L. Approximately 23 cubic yards of soil from these burn pits were sent off-site as D008 listed waste to a hazardous waste disposal facility, Waste Management Model City.

Samples collected from the Category 1 burn pit soils (Appendix C-3) were used for waste characterization. Additional samples were sometimes required to complete the characterization. Results of those samples are presented in Appendix C-5.

Category 2 soils that were transported off-site included the following (see Table 3-9):

- Approximately 65 cubic yards of soil from areas within Quadrant 19 that were previously identified as containing lead at concentrations up to 15,000 mg/Kg. A TCLP analysis on a sample from this soil (#7AA, Appendix C-5) indicated a lead value of 7.36 mg/L, which exceeded the TCLP criteria of 5.0 mg/L. The excavated soil was transported off-site as D008 listed waste to a hazardous waste disposal facility, Waste Management Model City.
- Approximately 340 cubic yards of soil excavated from Quadrants 60, 62, 70 and 73 after the thermal treatment unit operations were completed. A composite sample, collected from these soils for waste characterization, did not exceed any of the hazardous waste criteria (ECCSSD1_030205, Appendix C-5). These soils were sent off-site as non-hazardous waste to the Waste Management Crossroads Landfill, a Subtitle D landfill located in Norridgewock, ME.
- Soil excavated from BIP locations in Quadrants 22, 29 and 41 after the thermal treatment unit operations were completed. These soils were transported off-site as non-hazardous waste to the Waste Management Crossroads Landfill, a Subtitle D landfill located in Norridgewock, ME.

A single depleted uranium penetrator from a 20 mm projectile was found during munition clearance in Quadrant 46 (Figure 3-5). The item was contained in a drum along with soils excavated from nearby. A radiological survey was conducted on the remaining in-situ soils to determine if radioactive contamination from the depleted uranium remained in the surrounding soil. Sampling for this survey followed the requirements outlined in the Contamination Characterization Survey based on the Multi-Agency Radiation Survey and Site Investigation Manual. All samples were analyzed for radionuclide concentration and measured in picoCuries per gram (pCi/g) on a dry weight basis. Laboratory analysis was conducted using alpha spectroscopy for U-235 and U-238 by EPA Method 903.1.

Results of samples (Table 3-10) collected from the survey, and from the drummed soil associated with the item showed that the uranium concentrations were at background levels. The drummed soil and depleted uranium round was transported to the Army Research Laboratory at the Aberdeen Proving Grounds in Aberdeen, MD.

Copies of records related to off-site disposal of all Category 1 and Category 2 soils have been included as Appendix G.

3.7 Post-Soil Excavation Geophysical Investigation and Anomaly Removal

In accordance with the *Draft RRA Plan*, geophysical surveys utilizing a digital recording EM-61 were performed within the perimeter road at Demo 1. Results from the surveys were used to identify and remove sub-surface anomalies that may have remained after soil removal and the initial clearance.

Areas within Demo 1 were investigated with an EM-61 after all excavation and sampling was complete. A composite of these final EM-61 survey results was compiled and evaluated resulting in 2,480 targets being identified based on the electromagnetic response signals (Figure 3-7).

Each of these 2,480 targets was re-acquired using a global positioning system (GPS) (Figure 3-8). A Schonstedt was used to investigate a minimum three-foot radius surrounding each target location. If the Schonstedt did not detect any target, a secondary check was conducted with a Vallon. Based on the two surveys, the target was identified as a "No Find" if no objects were found. A total of 143 locations were categorized as no finds. Detailed results of each investigation are shown in Figures 3-9 A through 3-9 Q and are listed in Table 3-11.

In order to remove anomalies more efficiently, soils from 15 quadrants exhibiting a high density of signal response were excavated to 12-inches bgs and screened using a 1/2-inch mechanical deck screen to remove the anomalies. The soil from each quadrant was excavated, stockpiled, and screened separately so that anomalies could be correlated to the source quadrant. Fragments of bulk C-4 were discovered and removed during the screening of soils from Quadrant 70. The soil was sent off-site for disposal and a 5-point composite sample was collected from the base of Quadrant 70 (Q70-02, Appendix C-2). The sample showed a detection of RDX at 0.420 mg/Kg. Additional pre-characterization samples were collected, as described in Section 3.2. Based on these results (Q70-03 and Q70-04, Table 3-4), it was determined that an additional six inches of soil should be excavated to reach remedial goals. The 6-inch lift of soil was excavated, screened, and transported off-site for disposal.

The anomaly investigation resulted in removal of the following (Figure 3-8):

- 55 munition items that were sent to the contained detonation chamber
- 4 munition items that were BIP
- 2,278 metallic debris items.

A geophysical survey with the EM-61 was not possible in portions of Quadrants 16, 17, 18 and 19 because the terrain was too steep for safe and accurate operation of the equipment (Figure 3-7). Instead, a geophysical survey using hand-held analog instruments (Vallons and Whites) was conducted in this area. All detected anomalies were removed and no munition items were discovered.

Two munition items were found with exposed filler suspected to be High Explosives (HE) during the final munition clearance effort. Both items were found in Quadrant 29 at

target numbers 15 and 28 (SSD1D5023 & SSD1D5029, Figure 3-5). The items were removed for disposition at the contained detonation chamber. The associated soils from an approximate 3-foot radius around each item were removed and transported off-site for disposal (Section 3.6). The area under each item was sampled after excavation (ECC032105D103 (post) & ECC053105D101, Table 3-3). RDX was detected in sample ECC032105D103 (post) at 0.340 mg/Kg. Additional soil (approximately one cubic yard) was removed from this area and the base was re-sampled (ECC032105D103-02, Table 3-3). Detection of RDX in this sample (0.290 mg/Kg) was followed by excavation of approximately two cubic yards of soil and sampling (ECC032105D103-03, Table 3-3). RDX was not detected in the final sample, indicating that residual contamination was removed from this area. No explosives were detected in sample ECC053105D101. Sample results are presented in Appendix C-1.

After the final munition clearance was completed, a specific confirmation survey was conducted with an EM-61 at 10 locations where the pre-excavation EM-61 survey had previously detected the presence of metals. The purpose of this exercise was to determine if it is likely that the final munition clearance had removed all significant anomalies and if another comprehensive EM-61 survey was needed to confirm that potentially significant contamination sources do not remain.

Five of the locations selected had EM-61 signals above 50 mV and the remaining five had signals below 15 mV. At the five low-level signal locations, no signal response was detected during the verification survey. Table 3-12 lists the items found at the five high-level signal locations.

None of these recovered objects contained energetic materials that could potentially be a source of groundwater contamination.

Finally, an additional check was conducted to verify clearance. Fifteen "no find" locations with the highest millivolt signal response from the final composite EM-61 survey were re-acquired using the GPS. An area greater than a 3-foot radius around each target was re-surveyed using an EM-61. Figure 3-10 shows the re-surveyed areas in grey, with detectable signals shown in color-coded format.

Detectable signals were registered at four of the 15 locations (NF-1, NF-2, NF-3, and NF-4) (Figure 3-10). These locations were investigated with Schonstedt and Vallon instruments and any detected metals were removed. Table 3-13 summarizes the results of these investigations. As shown in the table, scrap aluminum debris was found at NF-2. A piece of steel and an empty cartridge casing were found at NF-1. No potential contaminants were associated with any of these items. Soil was excavated to three feet bgs at locations NF-3 and NF-4. Soil from the excavation was spread on the ground and inspected with a Schonstedt and a Vallon; nothing was detected at either location. A check was conducted with a Schonstedt and a Vallon at the remaining 11 locations where no signals were detected by the EM-61; no signal response was detected by the analog instruments at these locations.

Post-soil-excavation geophysical surveys confirmed that all significant anomalies were removed. Chemical analyses of samples collected beneath items with exposed HE indicated that the level of RDX met the remedial goal of 0.120 mg/Kg. Additionally, the level of residual perchlorate met the 0.004 mg/Kg goal at all locations. HMX was

detected at 0.130 mg/Kg in one sample (ECC032105D103-03). However, this concentration is below the MCP Method 1 S-1/GW-1 standard of 2.0 mg/Kg.

3.8 Blow-in-Place (BIP) Events

Fifty-four potentially explosive munition items were blown in place at Demo 1. Additionally, three items discovered during sorting of CS-19 soils were blown in place at Demo 1. Sampling after BIP events was conducted according to the BIP Plan (AMEC 2004). Supplemental and post-excavation samples were analyzed only for those constituents detected in previous samples. Pre- and post-BIP samples were not collected for items blown within the excavation footprint prior to excavation since these soils were going to be excavated and treated, and the base of the excavation would be sampled in accordance with the Draft RRA Plan. Accordingly, pre- and post-BIP samples were collected from 10 locations at Demo 1, including six locations where BIP events were conducted after excavation was completed (Figure 3-11). Following excavation of the corresponding quad, BIPs completed are identified by symbols showing post-BIP samples on Figure 3-11 and include two from quad 26 (ECC090903DM01 and ECC101204DM01), one from quad 29 (ECC030405D101), one from quad 52 (ECC082103DM03), one from quad 68 (ECC050305D101), and one from quad 75 (ECC042205D101). Complete results are provided in Appendix C-6 and C-7. BIP analytical results are summarized in Table 3-14.

Explosives and/or perchlorate were detected in 3 of 10 (30%) of locations. The BIP crater in Quadrant 29 (ECC030405D101) was excavated based on detections of explosives in the post-BIP sample. Supplemental samples were collected in accordance with the *BIP Plan*. Explosives were detected in supplemental samples SS-5 and SS-8. Approximately 13 cubic yards of soil was excavated and transported off-site for disposal, as discussed in Section 3.6. Post-excavation samples (Appendix C-9) collected from the base and two sides did not indicate detections of explosives.

Soil from a 5-foot by 5-foot area was excavated at location ECC101204DM01 in Grid D3 based on detections of explosives in the post-BIP sample. Approximately one cubic yard of soil was excavated and disposed of off site. None of the three post-excavation samples (ECC101204DM01-PE1, ECC101204DM01-PE2 & ECC101204DM01-PE3) collected from the base or the four samples (ECC101204DM01-SS1, ECC101204DM01-SS2, ECC101204DM01-SS3 & ECC101204DM01-SS4) collected from the corners of the excavation indicated any detection of explosives.

The BIP crater in grid B2 (ECC092403DM01) was excavated based on detections of TNT in the post-BIP sample. Supplemental samples were collected in accordance with the BIP Plan (AMEC 2004). Detections of TNT were present in several supplemental samples (ECC092403DM01-SS3, SS7, SS10, SS13, & SS16). Two excavations were required to completely remove the contaminated soil. Post-excavation samples (Appendix C-9) collected from the base of the excavation did not indicate detections of explosives. Approximately 20 cubic yards of soil was removed and disposed of off site.

Additionally, items discovered during soil screening were blown in place in Quadrant 22 and Quadrant 41 (prior to any excavation occurring at these quadrants) (Figure 3-11). These locations (within Quad 22 and Quad 41) were sampled after all the BIPs were completed, as described below.

The post-BIP sample, collected at Quadrant 22, (Q22PB_053105, Appendix C-7) indicated RDX present at 2.0 mg/Kg. Approximately 15 cubic yards of soil (20-feet by 20-feet by 1-foot deep) was excavated from Quadrant 22. Confirmation samples (Q22Post-A, Q22Post-B, Q22Post-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, and SSD1PB022-SS8, Appendix C-9) were collected from the base and four corners of the excavation. None of these samples indicated detectable levels of explosives.

The post-BIP sample collected at Quadrant 41 (Q41PB_053105, Appendix C-7) indicated RDX present at 0.560 mg/Kg. A 5- by 5-foot area was excavated to 1-foot bgs at Quadrant 41. Three confirmation samples were collected from the base of the excavation. RDX was detected in all three samples, at a maximum level of 0.240 mg/Kg (Appendix C-9). An additional lift was excavated from this location and the base subsequently re-sampled. No explosives were detected in any of the three final post-excavation samples (Appendix C-9).

4.0 BACKFILLING AND SITE RESTORATION

After all response activities were completed, a summary data package was submitted to the regulatory agencies. Additional details are documented in the letter titled *Demolition Area 1 Rapid Response Action Proposal to Backfill* (USAEC 2005). In November 2005, the agencies provided approval to backfill the treated soil in the area bounded by the 120-foot contour. Approximately 35,000 cubic yards of treated soil was backfilled. This soil includes approximately 18,000 cubic yards from Demo 1 and 17,000 cubic yards from other sites at MMR that were treated in the thermal treatment unit during 2004 and 2005. All of this soil was analyzed for explosives and perchlorate after thermal treatment and the analytical results indicated that the project remediation goals were achieved (Appendix C-10).

The area outside the backfilled area was graded to provide a more natural profile and top soil was placed in this area. Erosion control matting was installed along the slopes of the kettle bowl to minimize erosion. The perimeter road was re-graded to prevent surface run-off from outside the area into the bowl. A road was constructed to provide access to the monitoring wells located within the kettle bowl (Photograph 4-1).

In November 2005, approximately 300 native shrubs were harvested from road shoulders along Pocasset-Forestdale and Turpentine roads and transplanted into the slopes of the Demo 1 kettle bowl (Photograph 4-2). This area roughly correlates to the area of the 1-foot and 2-foot depth excavation zones (Figure 3-1). Monitoring indicates the vegetation has been successfully re-established (Photograph 4-3).

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5.0 SUPPLEMENTAL POST-SCREENING INVESTIGATION

A Post-Screening Investigation was conducted in spring 2002. It included the collection of soil samples from 24 soil grids located within the perimeter road that surrounds Demolition Area 1 and completion of an EM-61 magnetometer survey within three areas outside the perimeter road. The results of the magnetometer survey, presented in the Rapid Response Action (RRA) Plan (AMEC, 2003), showed that the anomalies uncovered were mostly metallic debris not indicative of a significant contaminant source and no further investigation of anomalies was proposed. The Post-Screening Investigation results indicated that although the vertical extent of soil contamination was adequately delineated by available data the areas to the north, east, and south of the perimeter road required additional sampling to confirm the lateral extent of the COCs. A Supplemental Post-Screening Investigation Work Plan (AMEC, 2002b), was developed with the objective of collecting additional data to adequately characterize the lateral extent of soil contamination at Demolition Area 1.

The results of the Post-Screening Investigation were presented in detail in the Draft RRA Plan. Although the results of the Supplemental Post Screening Investigation were not available at that time, the Draft RRA Plan stated that “the results will be used to confirm that the perimeter road to the north, east, and west at Demolition Area 1 defines the lateral extent of COCs proposed for remediation.” The results of the Supplemental Post-Screening Investigation are reported in the *Final Supplemental Post-Screening Investigation Report* (USACE 2009), which is attached as Appendix D.

The results of the Supplemental Post-Screening Investigation support the conclusion that the perimeter road delineates the extent of significant contamination in soil at Demolition Area 1 and that the perimeter road was an appropriate delineation for the excavation conducted during the response action. Based on the types of contaminants detected, their levels and frequencies of detection, no further assessment or remediation outside the perimeter road is warranted.

Long-term groundwater monitoring, conducted as part of the Groundwater Remedial Action, will be used to confirm that no continuing source of groundwater contamination remains at Demolition Area 1.

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6.0 CONCLUSIONS

The goal of the source area response actions was to address contaminated soils, munitions and explosives at Demo 1 that could cause contamination of the underlying groundwater. This included the excavation and treatment of contaminated soils, the removal of burn pits and munition items and the analysis of the area surrounding the excavation.

In accordance with the work plan, the vertical limits of excavation were determined based on the level of RDX in the post-soil-excavation confirmation samples. The samples were also analyzed for other explosives and perchlorate. Only one explosive compound, HMX, was detected in three instances where additional excavations were not conducted. The maximum concentration of HMX detected in unexcavated soil was 0.76 mg/Kg. This concentration is below the MCP Method 1 S-1/GW-1 standard of 2 mg/Kg. Residual perchlorate was detected below the reporting limit of the analytical method in 12 post-soil-excavation confirmatory samples. The highest residual concentration of perchlorate was an estimated 0.0025 µg/Kg, which is below the treatment goal set forth in the *Final Soil Treatment Plan*. Based on these results, there appears to be no significant residual contamination in the soil within the excavated area that could potentially pose a threat to groundwater.

Fifteen burn pits were discovered and investigated during the course of the response action. A geophysical survey, conducted after completion of pit excavation, was used to ensure that all recorded geophysical anomalies were removed from the site. Thus, potential threats to groundwater from munitions and burn pits appear to also have been eliminated.

The concentrations of COCs in groundwater in two source area wells, MW-19S and MW-73S, have declined. As observed during monitoring in August 2008, RDX levels have decreased from a maximum of 300 µg/L (MW-19S) (August 2000) and 79 µg/L (MW-73S) to 14 µg/L and 9.3 µg/L, respectively. Similarly, perchlorate levels in the groundwater have decreased from a maximum of 41 µg/L (MW-19S) (June 2001) and 10 µg/L, (MW-73S) to ND and 1.0 µg/L, respectively.

An analysis was conducted of areas outside, but adjacent to the excavation to determine that the perimeter road was an appropriate delineation for the source removal action. 2,4-DNT, RDX, HMX, TNT and 1,3-Dinitrobenzene were each detected in only one of the 22 sample locations outside of the perimeter road. Perchlorate was detected in three of the sample locations. The concentrations detected were lower than the maximum concentration of any of these contaminants detected within the excavated area. Except for 2,4-DNT and lead in one grid, all results were below the MCP Method 1, S-1/GW-1 soil standard. Based on the vertical averaging of the lead concentrations from this grid (427 mg/Kg at 0 to 0.25 feet, 65.8 mg/Kg at 0.25 to 0.5 feet and 86.3 mg/Kg at 0.5 feet to 1 foot) the average lead concentration (193 mg/Kg) was below the Method 1, S-1/GW-1 soil standard (300 mg/Kg). The residual lead concentration is not present consistently enough or at high enough concentrations to contribute to exposure to human or environmental receptors.

The results of the Supplemental Post-Screening Investigation support the conclusion that the perimeter road delineates the extent of significant contamination at Demo 1 and the perimeter road was an appropriate delineation for the excavation of the source area. Based on the types of contaminants detected, their levels and frequencies of detection, no further assessment or remediation outside the perimeter road is warranted.

7.0 REFERENCES

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USAEC and IAGWSP. 2005. Letter titled *Demolition Area 1 Rapid Response Action Proposal to Backfill*, U.S. Army Environmental Command.

FIGURES



Contract No.		DACW33-02-D-0003		
Description		Location of Demo 1		
Coordinate System		NAD 1983, UTM, Zone 19N in meters		
Sources		MMR boundary and roads provided by MA ARNG. 2003 aerial digital orthophotos provided by MASS GIS.		
Date	8-NOV-2005	Rev.		
Drawn	J. Kim	1	9-JAN-2009	J. Fein
CB	S. Gangopadhyay			
App.				

Legend

- Demo 1
- MMR Boundary
- Impact Area Boundary
- Roads

Figure 2-1

Title:

Demo 1 Location

Impact Area Groundwater Study Program

Massachusetts Military Reservation
Cape Cod, Massachusetts

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Contract No.		DACW33-02-D-0003		
Description		Demo 1 Source Area and Plume		
Coordinate System		NAD 1983, UTM, Zone 19N in meters		
Sources		MMR boundary, roads and 2002 aerial digital orthophotos provided by MA ARNG.		
Date	09-JAN-2009	Rev.	Date	Approved
Drawn	M. Walsh			
Checked	D. Wood			
Approved				

Legend

- Monitoring Well
- Piezometer
- Staff Gauge
- Water Supply Well
- RDX Greater than 0.6 ppb
- Perchlorate Greater than 2 ppb
- Demo 1 Source Area

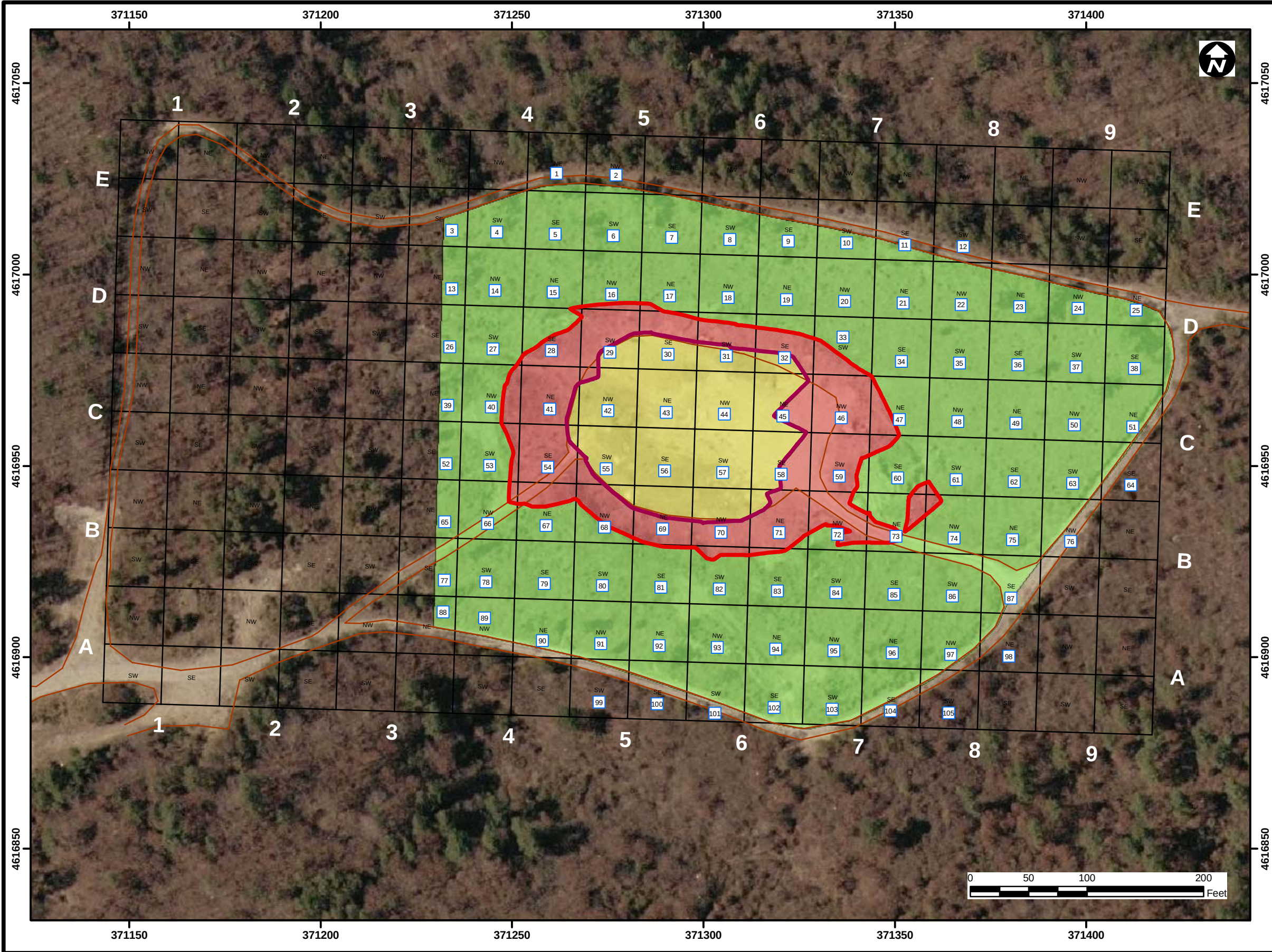
Figure 2-2

Title:

**Demo 1
Source Area and Plume,
April 2007**

**Impact Area
Groundwater Study Program**

Massachusetts Military Reservation
Cape Cod, Massachusetts

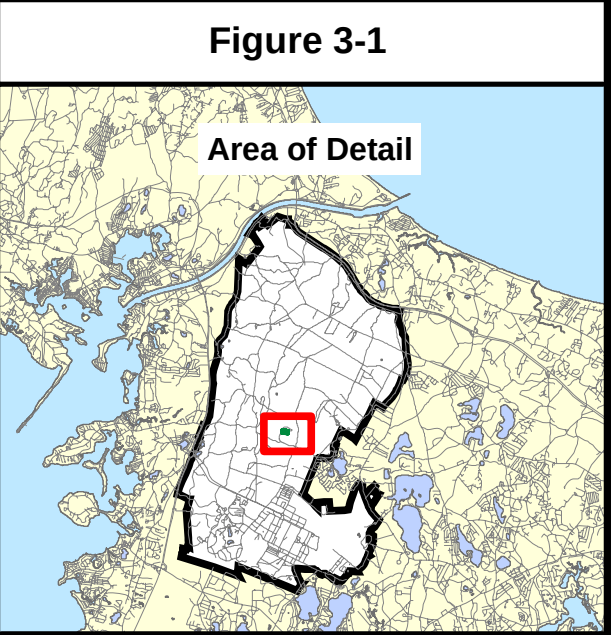


Contract No.		DACW33-02-D-0003		
Description		Demo 1 Excavation Boundary		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	30-NOV-2005	Rev.		
Drawn By	J. Kim	1	9-JAN-2009	J. Fein
Checked By	S. Gangopadhyay			
Approved By				

Legend

Demo 1 Excavation Boundaries
[Proposed Depth from Draft RRA Plan]

- 1 foot excavation
- 2 feet excavation
- Undisturbed soil horizon (estimated average depth of 8 feet)
- Quadrant Number
- 120 ft contour (Pre-excavation)
- 110 ft contour (Pre-excavation)
- Roads
- Grids

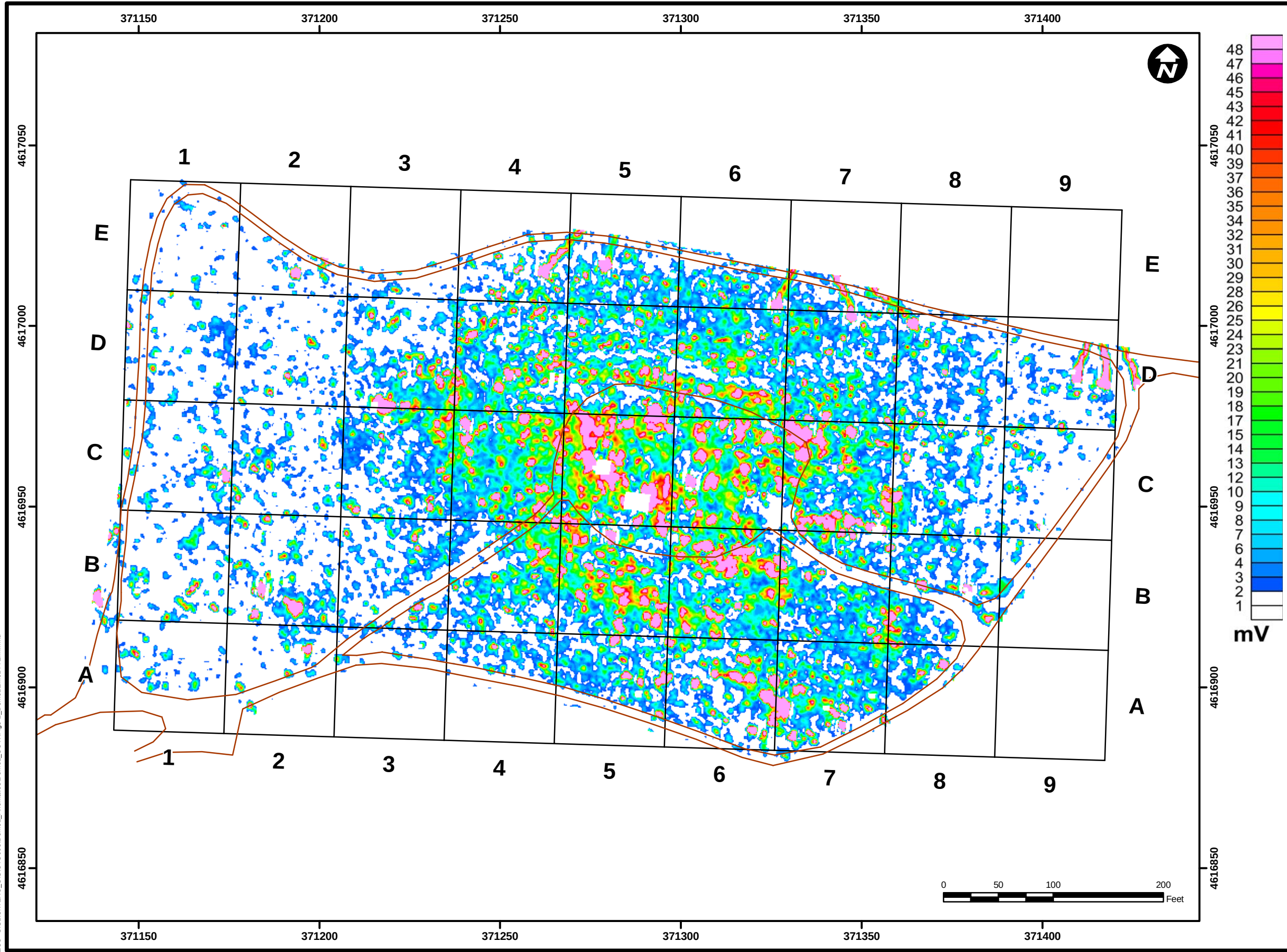


Title:

Demo 1
Excavation Boundary
and Excavation Depths

 **Impact Area**
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts

E:\GIS\GIS\TERC_GIS\CT0003\Demo1_Aromales\Demo1_COW\Fig3-2_Demo1EM61TTEMI.mxd



Contract No.		DACW33-02-D-0003			
Description		Demo Area 1 EM-61 Signal Data prior to RRA.			
Coordinate system		NAD 1983, UTM, Zone 19 North in meters			
Note		Positional data corrected by Pine Hill Reset LW4668.			
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.			
Date	8-NOV-2005	Rev.		Date	Approved By
Drawn By	J. Kim				
Checked By	S. Gangopadhyay				
Approved By					

Legend

- Grids
- Roads
- EM-61 Signal Data (Tetra Tech, April 2000)

Figure 3-2

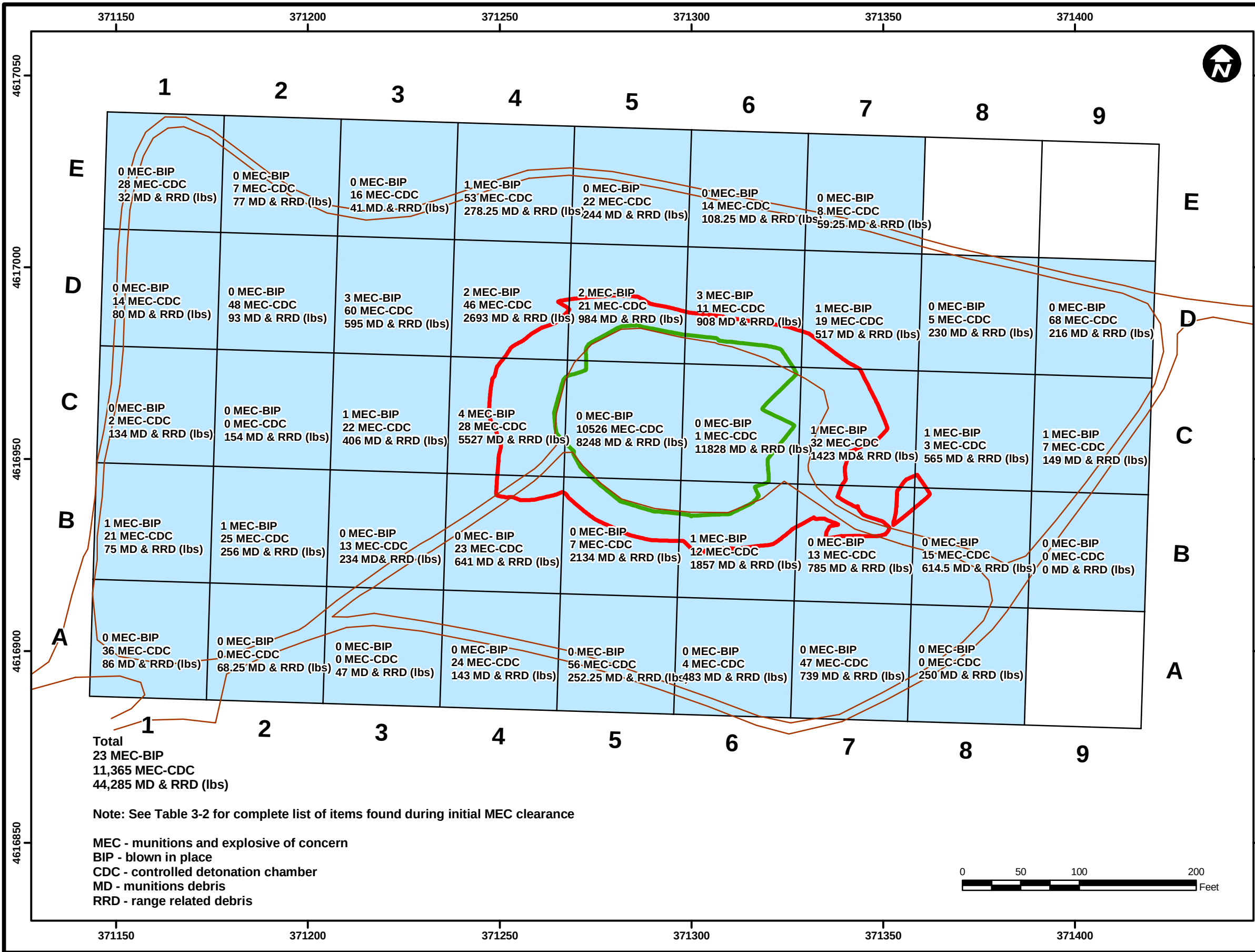
Area of Detail

Title:

Demo 1
Pre-RRA Geophysical Survey
Munitions Survey Project 2000

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts

ECC GIS\NCTERC_GIS\CTO003\Demo1_Anomalies\Demo1_COW\Fig3-3_Demo1MEC.mxd



Contract No.		DACW33-02-D-0003		
Description		Status of anomaly removal in Demo 1		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	30-NOV-2005	Rev.		Approved By
Drawn By	J. Kim			
Checked By	S. Gangopadhyay			
Approved By				

Legend

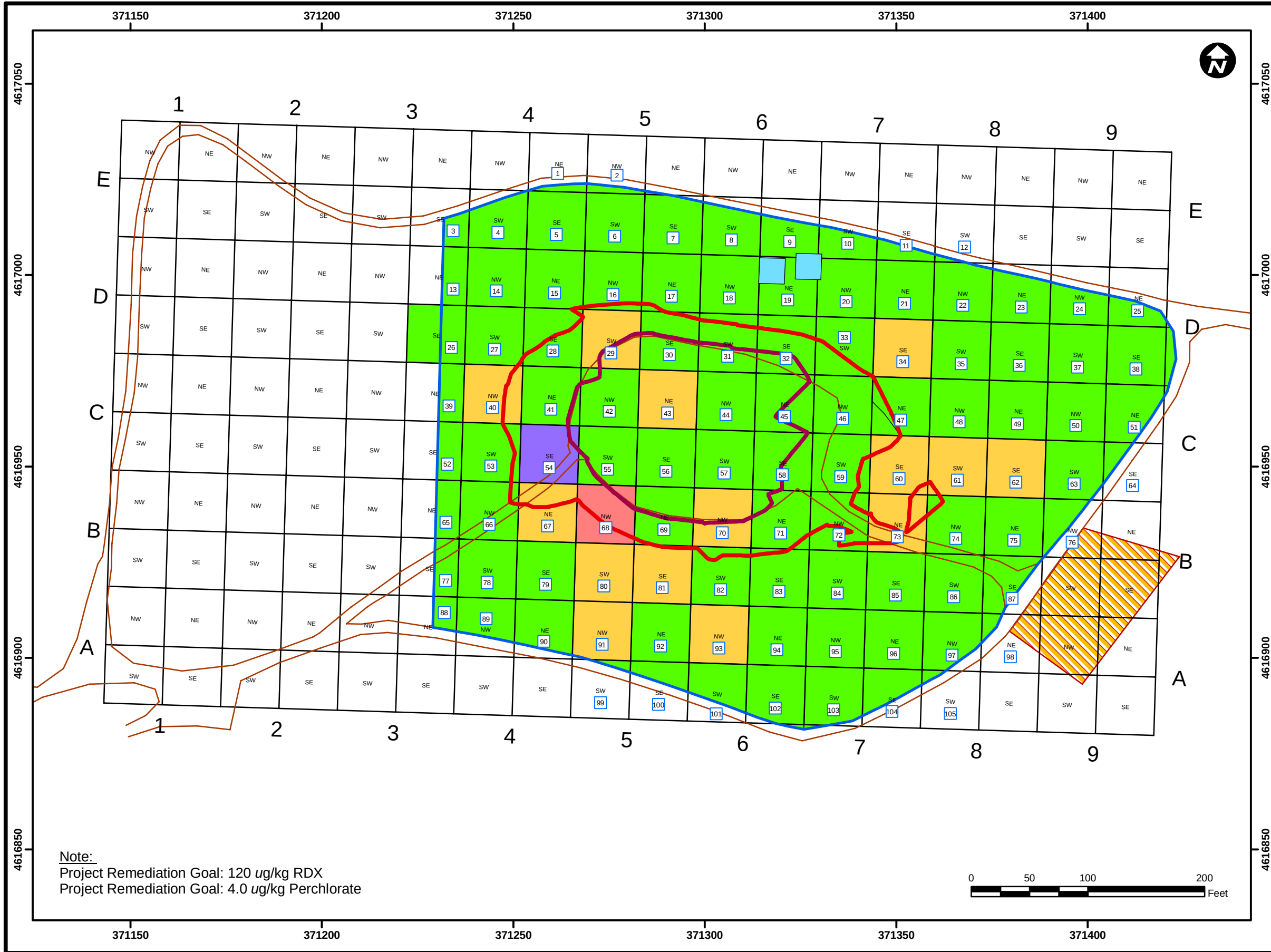
- MEC Cleared Area
- 120 ft topographic contour
- 110 ft topographic contour
- Grids
- Roads

Figure 3-3

Title: **Demo 1**
Initial MEC Clearance
(July 2003 - May 2004)

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts

ECC GIS\JC\TERRC_GIS\CT0003\Demo1_Anomalies\Demo1_COW\Fig3-4_Demo1Exc.mxd



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Final Excavation		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	30-NOV-2005	Rev		Approved By
Drawn By	J. Kim	1	16-MAY-06	S. Gangopadhyay
Checked By	S. Gangopadhyay	2	9-JAN-09	J. Fein
Approved By				

Legend

- Overexcavation based on Lead results
- Overexcavation based on RDX results
- Overexcavation based on HMX results
- Overexcavation based on Perchlorate results
- Excavated according to design
- Soil Screening Area
- Quad Number
- Excavation Boundary
- 120 ft topographic contour (Pre-excavation)
- 110 ft topographic contour (Pre-excavation)
- Roads
- Grids

Figure 3-4

The inset map shows a larger geographic area with a black outline indicating the project site. A red square within this outline marks the 'Area of Detail' shown in the main map.

Title:
Demo 1
Final Excavation Status Map

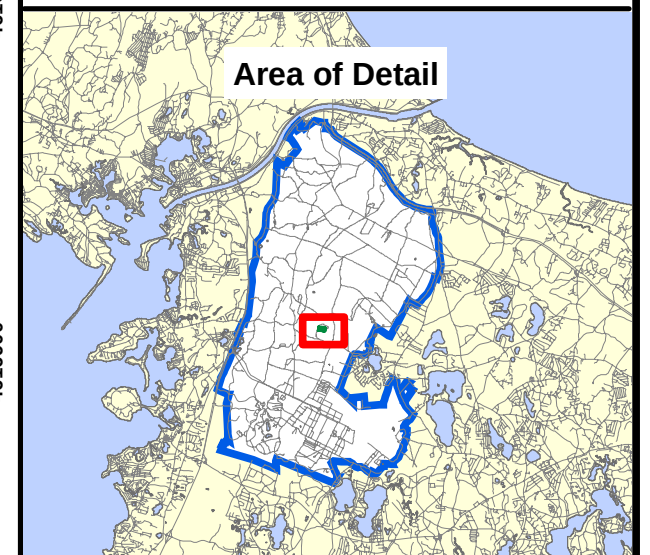
Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



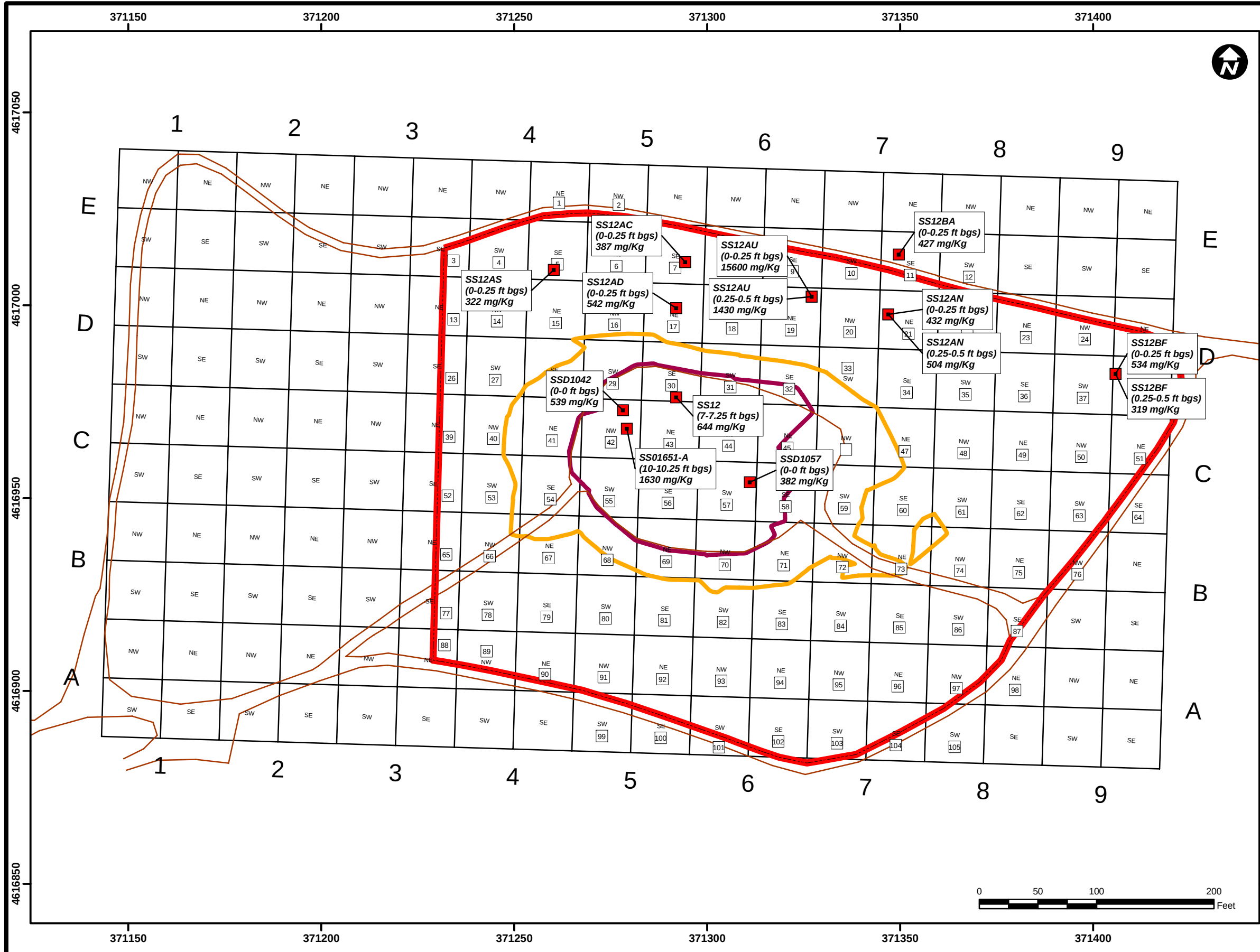
Legend

	Burn Pit Locations		Excavation Boundary
	MEC Item with exposed HE		120 ft topographic contour
	20 MM DU Projectile		110 ft topographic contour
	Soil with high Lead content		Excavation Grids
			Roads

Area of Detail



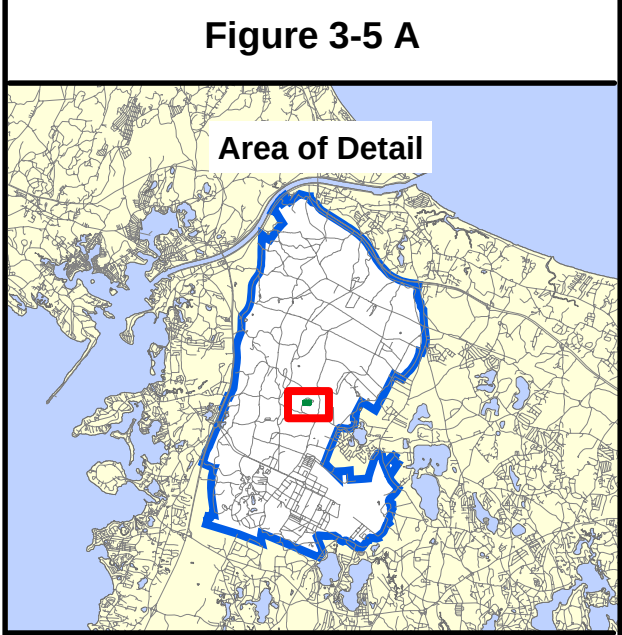
Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Lead Exceedance		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	12-MAR-2009	Rev.		Approved By
Drawn By	J. Kim			
Checked By	J. Fein			
Approved By				

Legend

- Lead Soil Sample Location with S-1/GW-1 Exceedance
- Excavation Boundary
- 120 ft topographic contour
- 110 ft topographic contour
- Excavation Grids
- Roads



Title:

Demo 1

Soil Lead Concentrations

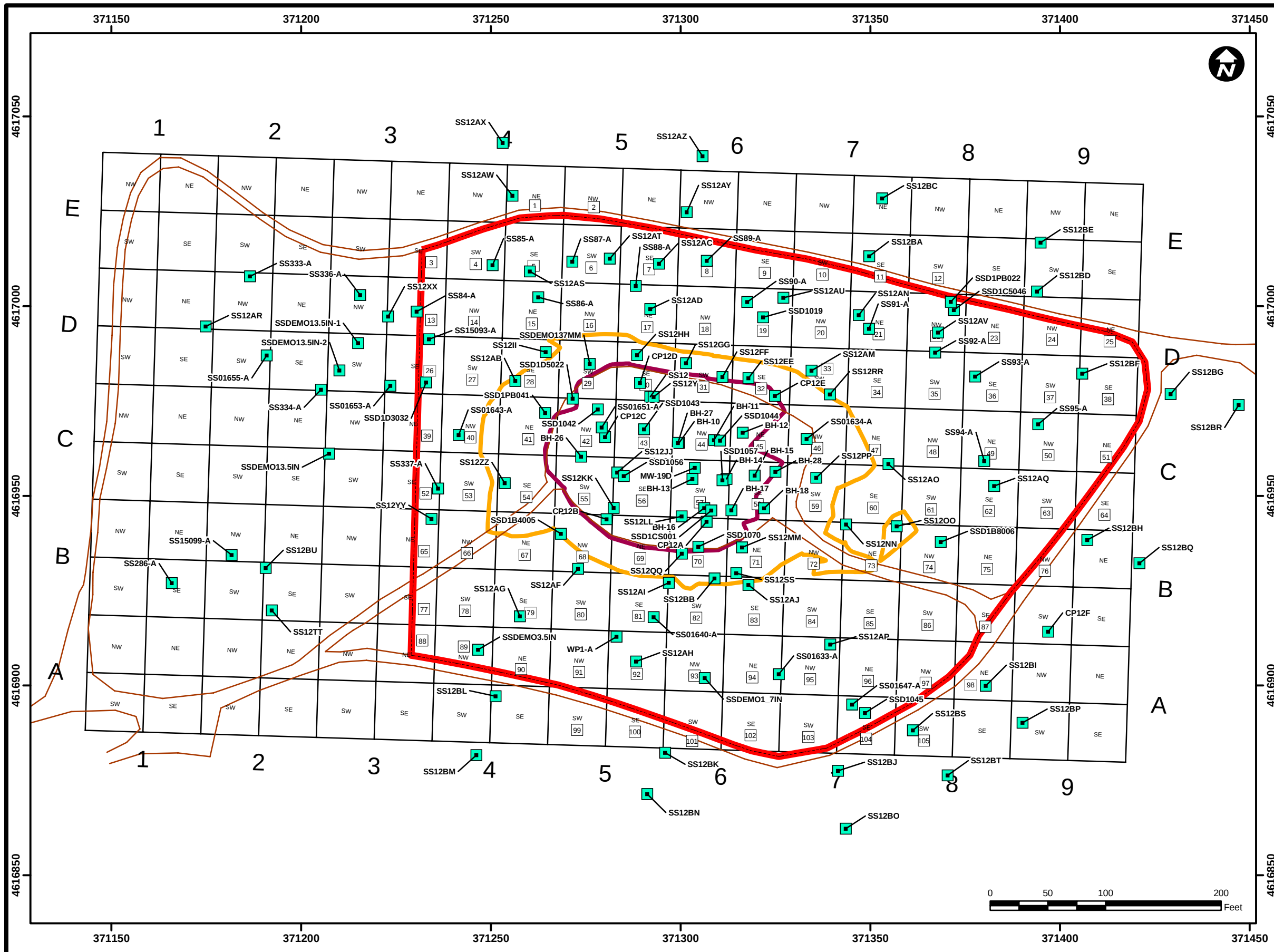
Greater Than 300 mg/kg

 **Impact Area**

Groundwater Study Program

Massachusetts Military Reservation

Cape Cod, Massachusetts

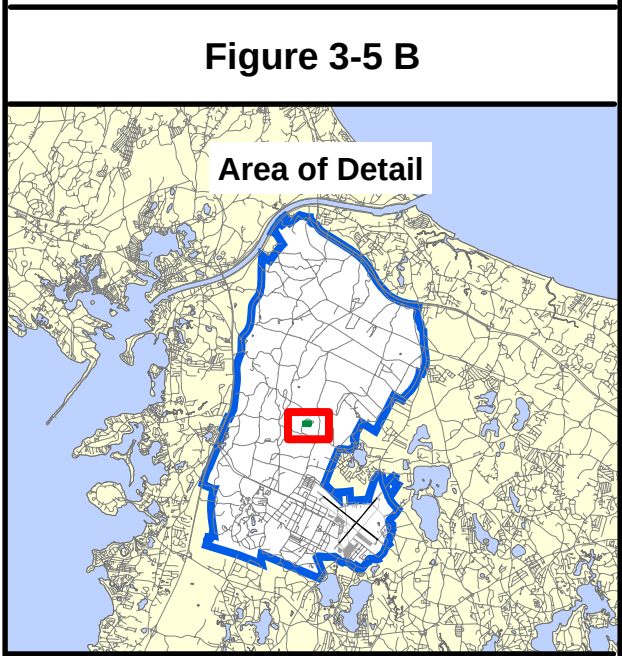


Contract No.	DACW33-02-D-0003
Description	Demo 1 Lead Sample Locations
Coordinate system	NAD 1983, UTM, Zone 19 North in meters
Note	Positional data corrected by Pine Hill Reset LW4668.
Sources	Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.

Date	3-APR-2009	Rev.		Date		Approved By	
Drawn By	J. Kim						
Checked By	J. Fein						
Approved By							

Legend

- Soil Lead Sample Locations
- Excavation Boundary
- Roads
- 120 ft topographic contour
- 110 ft topographic contour
- Excavation Grids

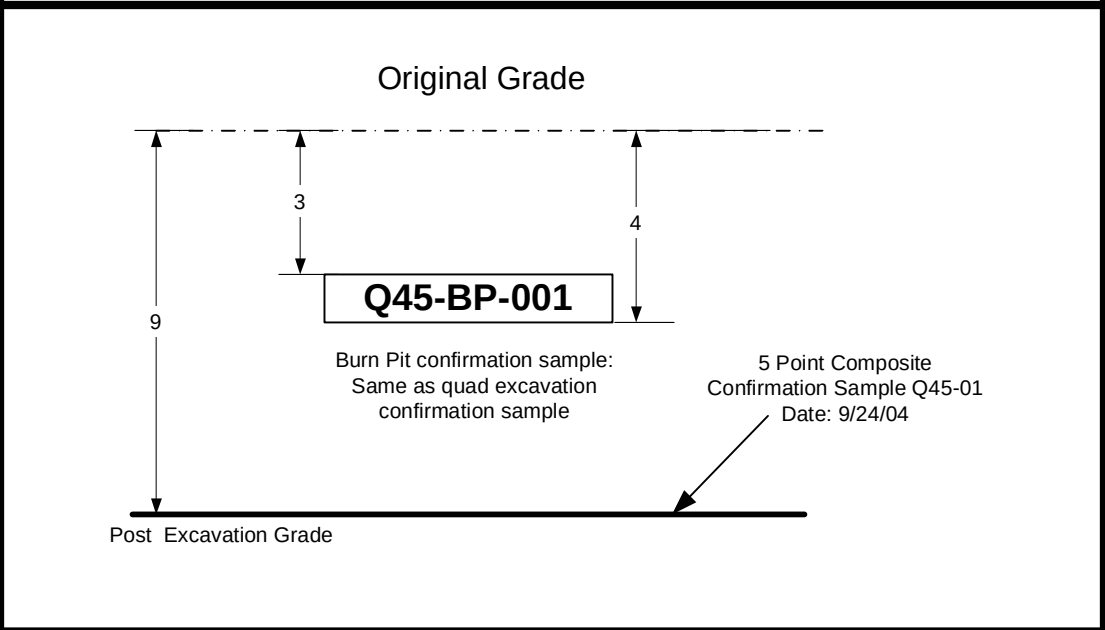
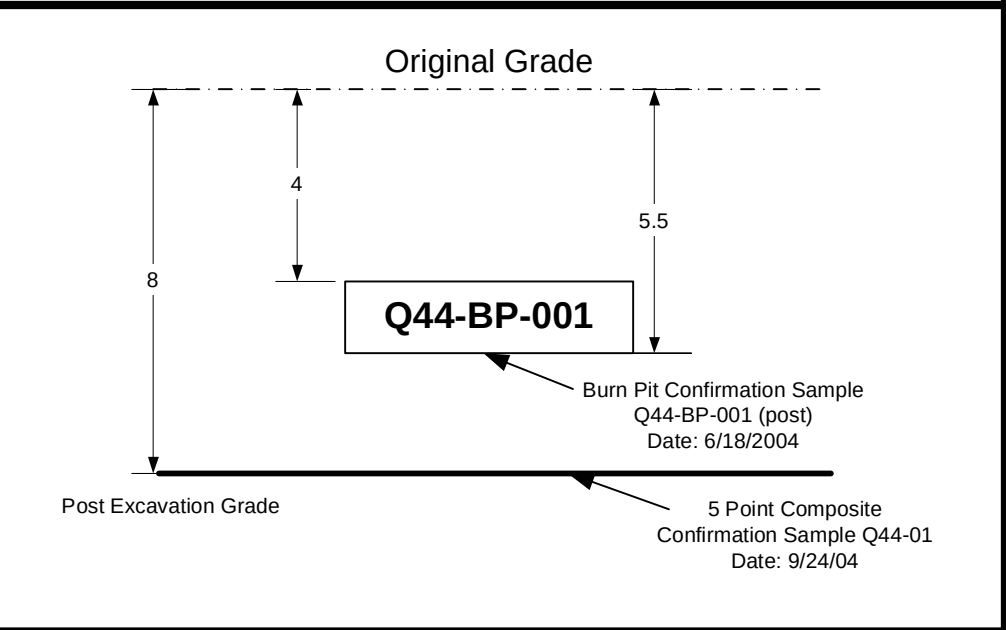
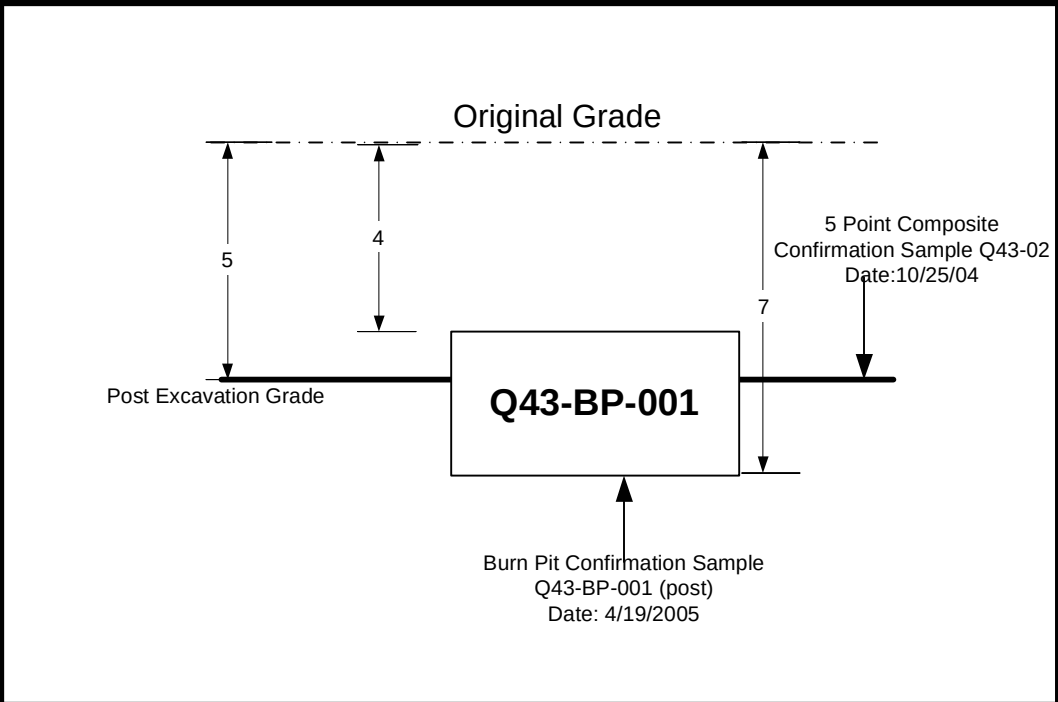
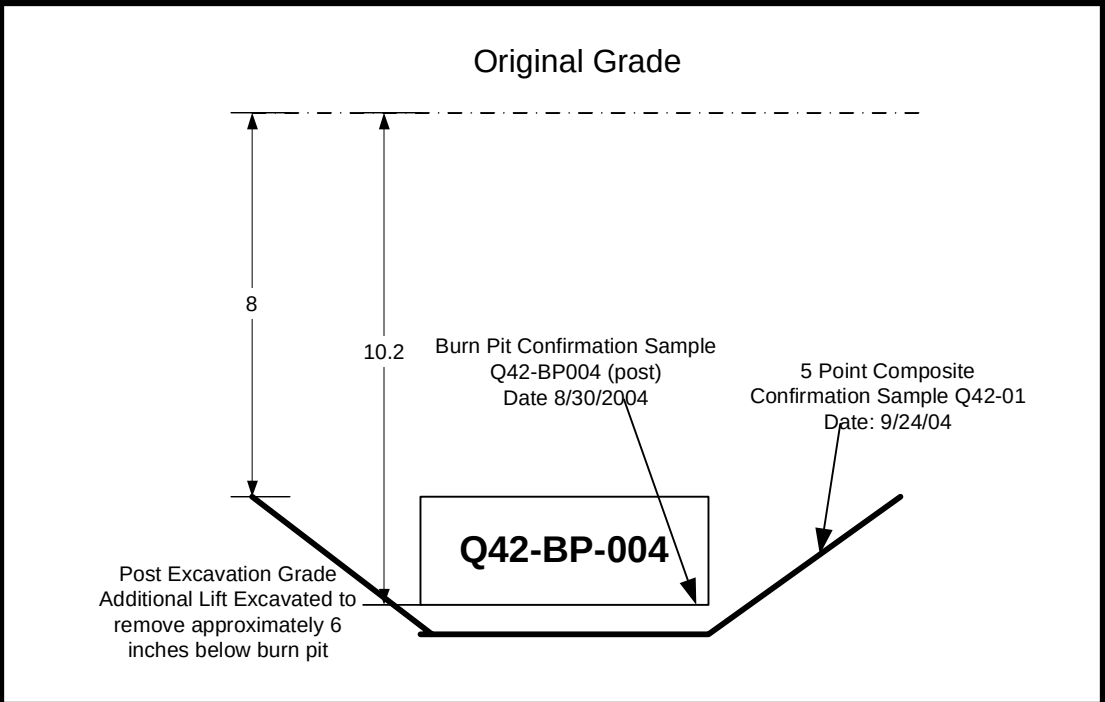
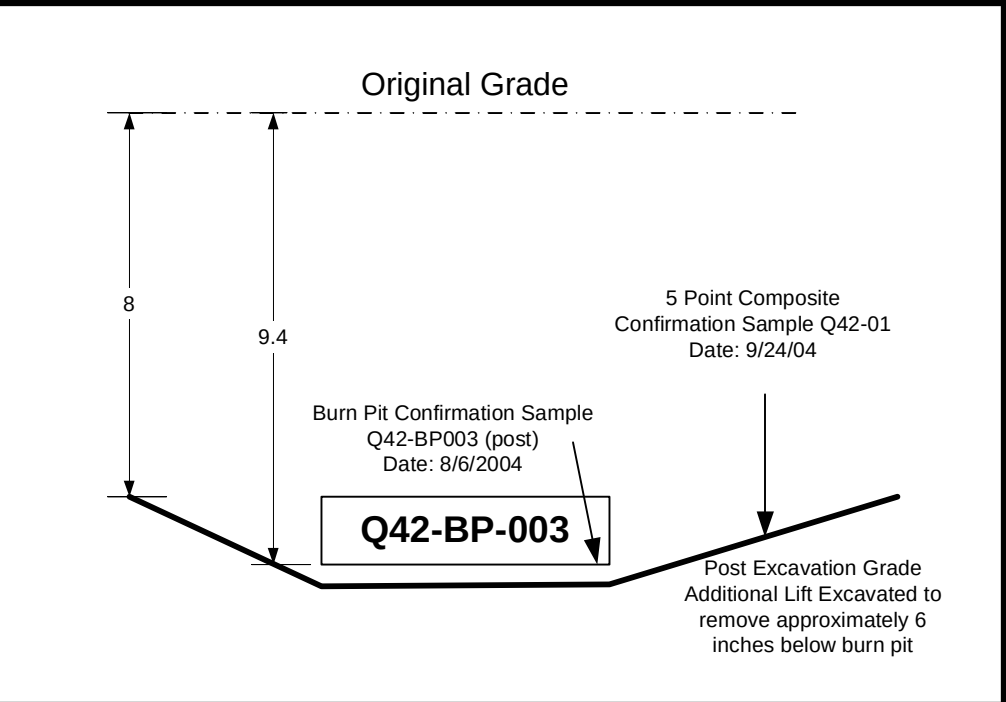
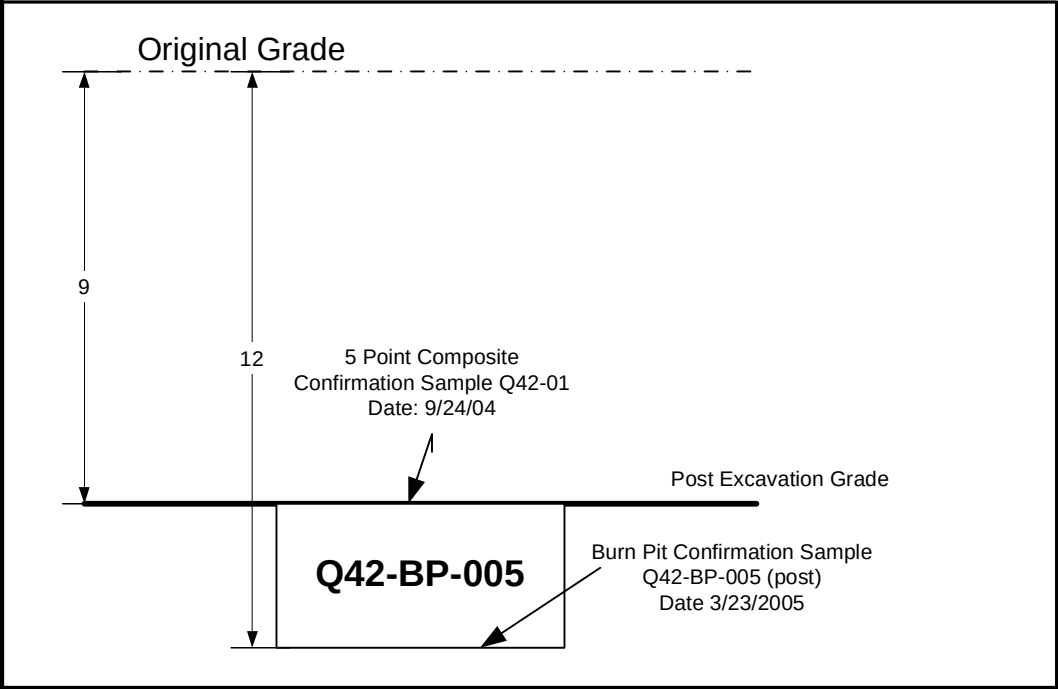
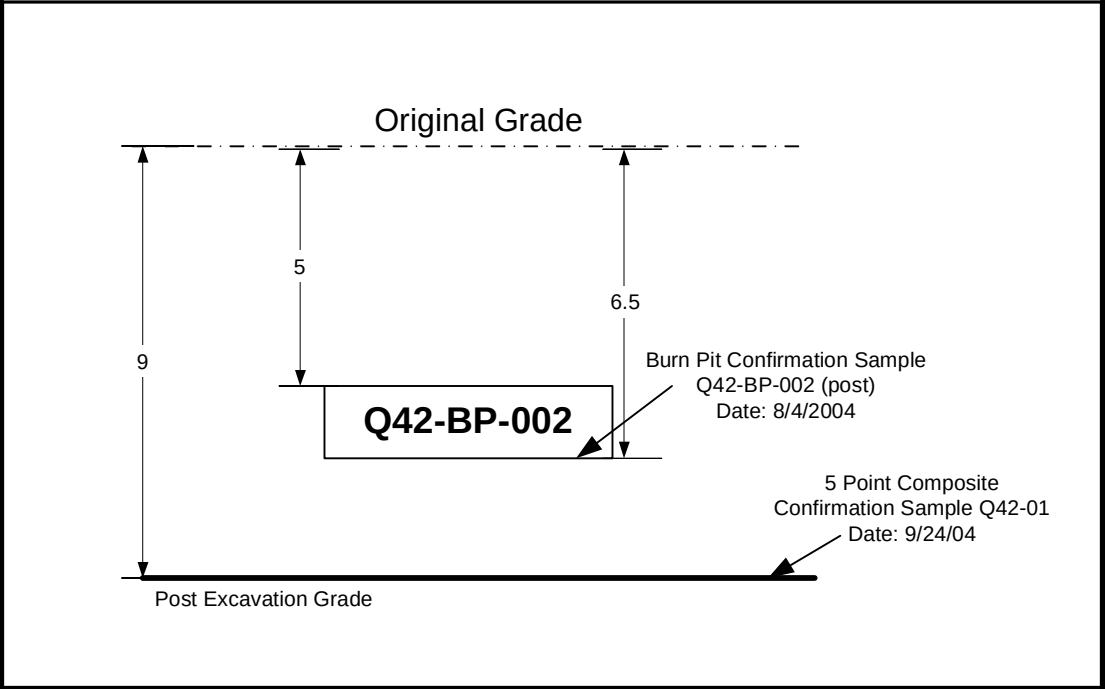


Title:

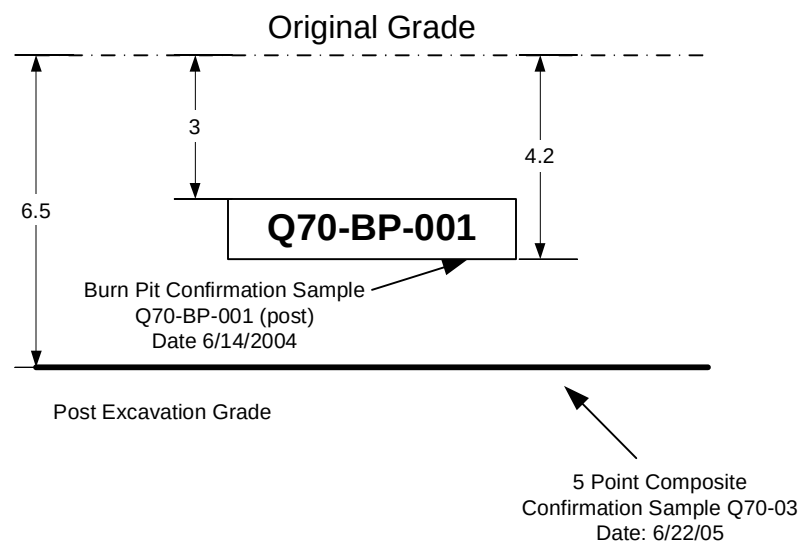
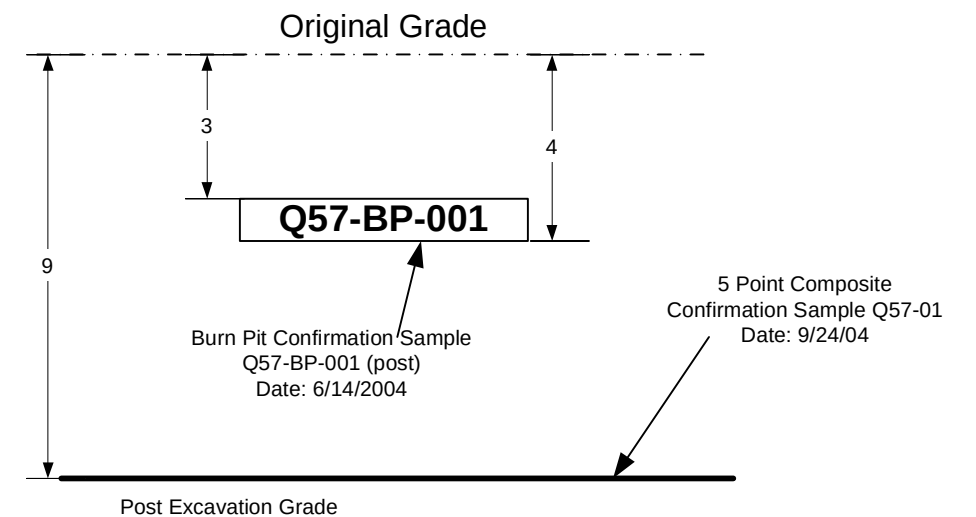
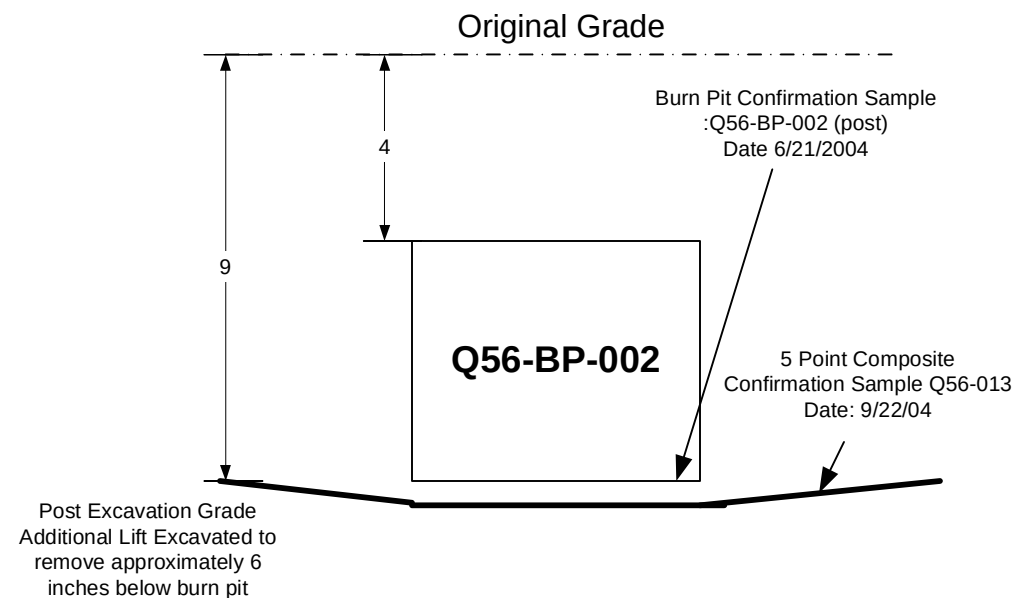
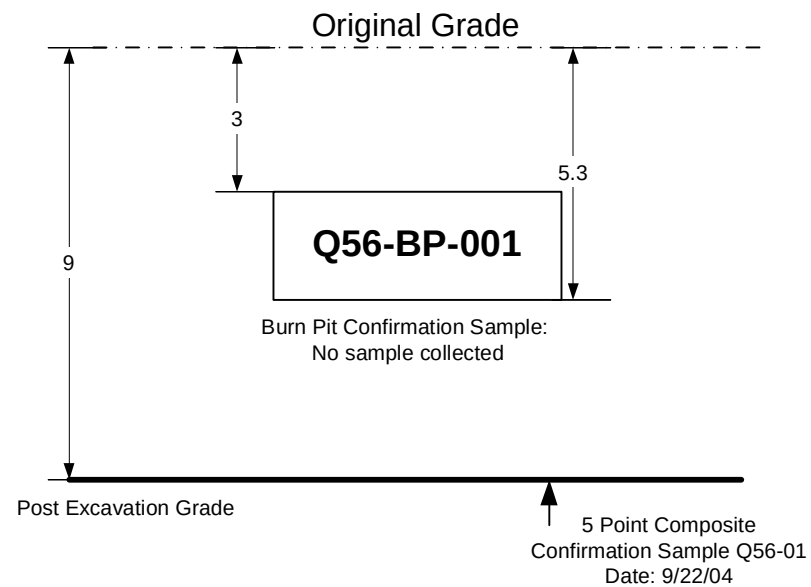
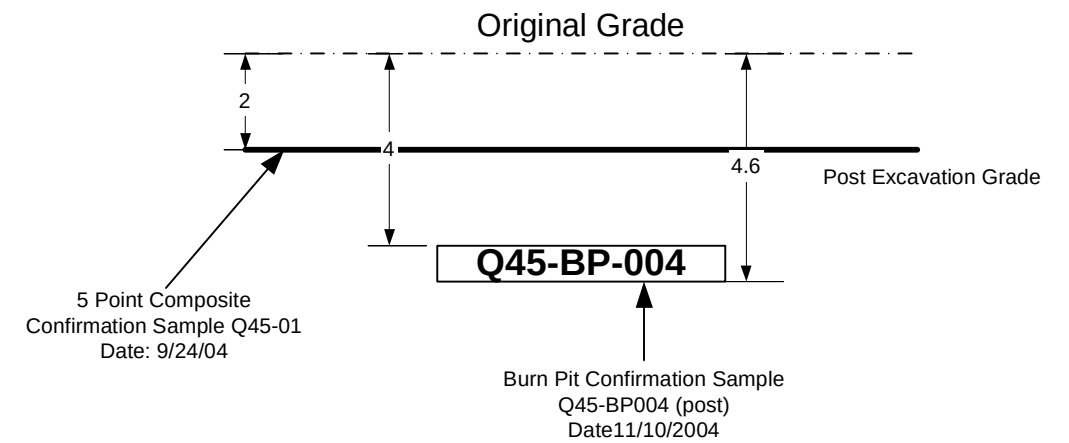
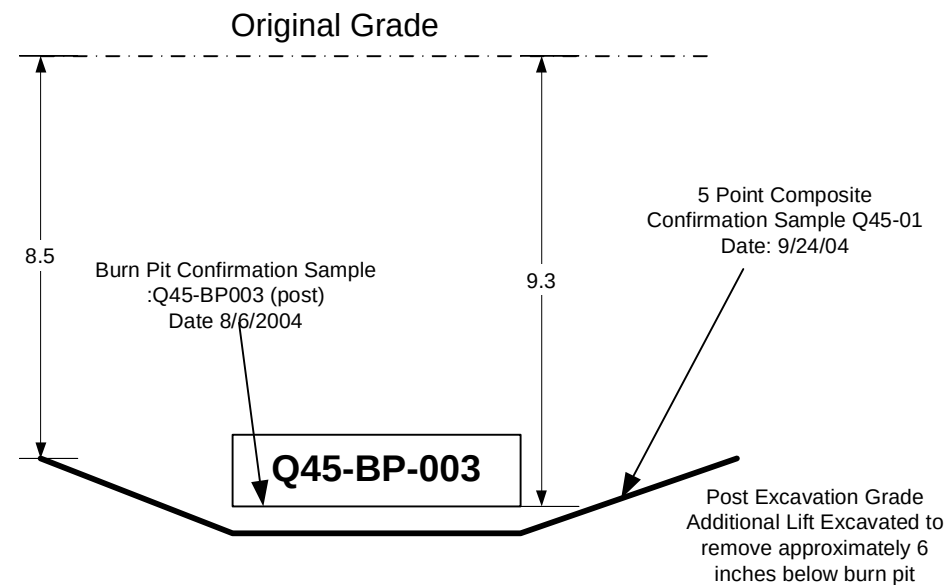
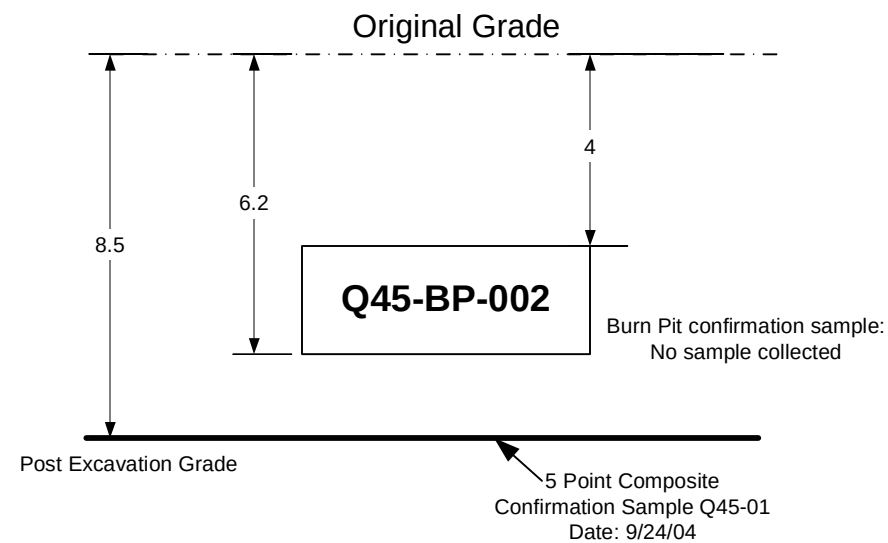
Demo 1

Soil Lead Sample Locations

 **Impact Area**
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts

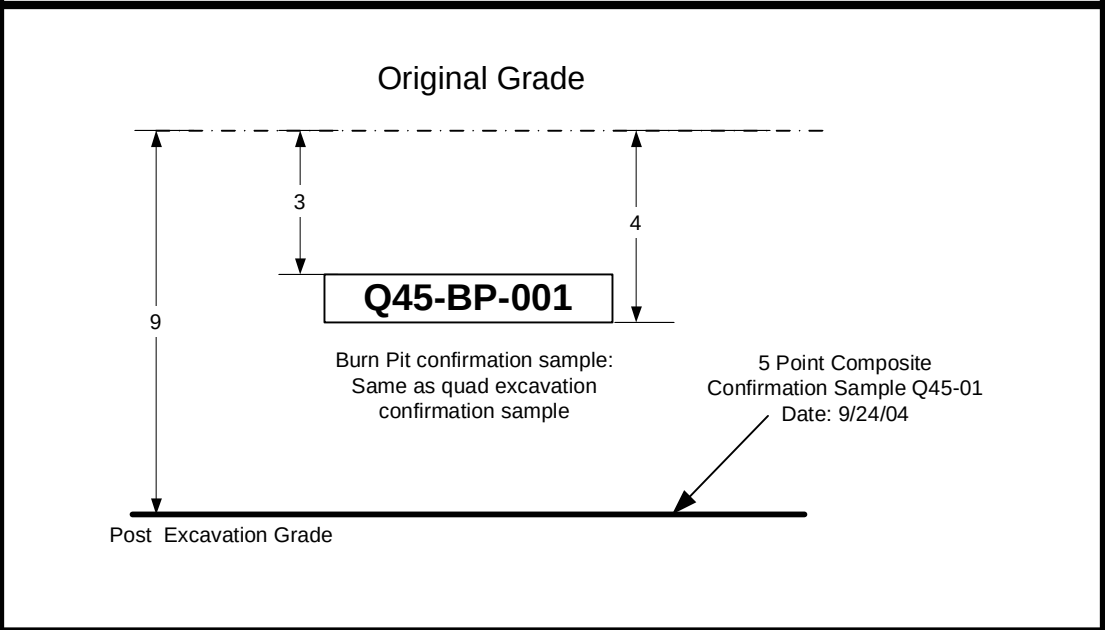
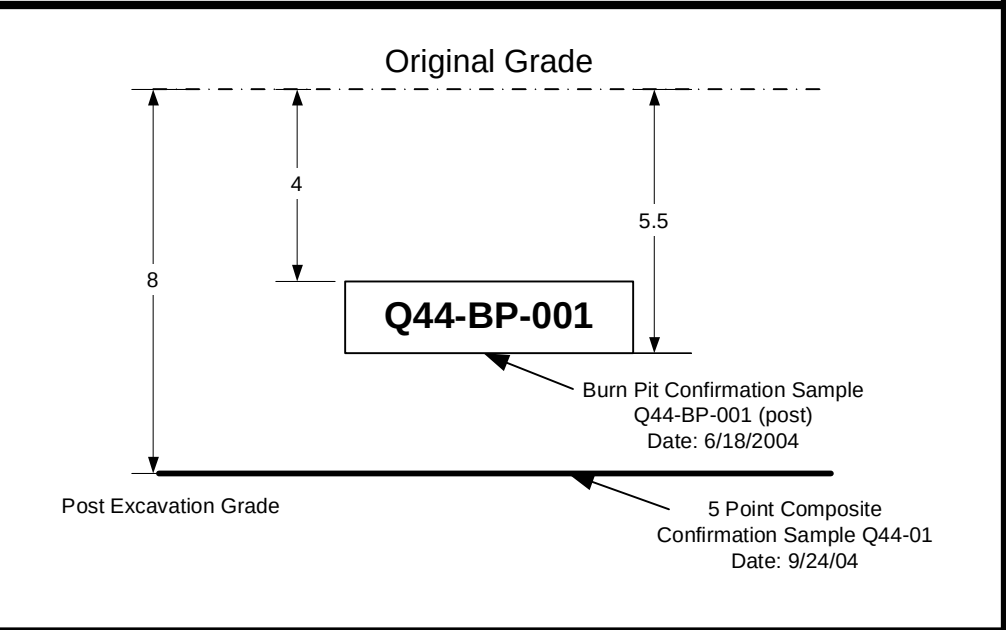
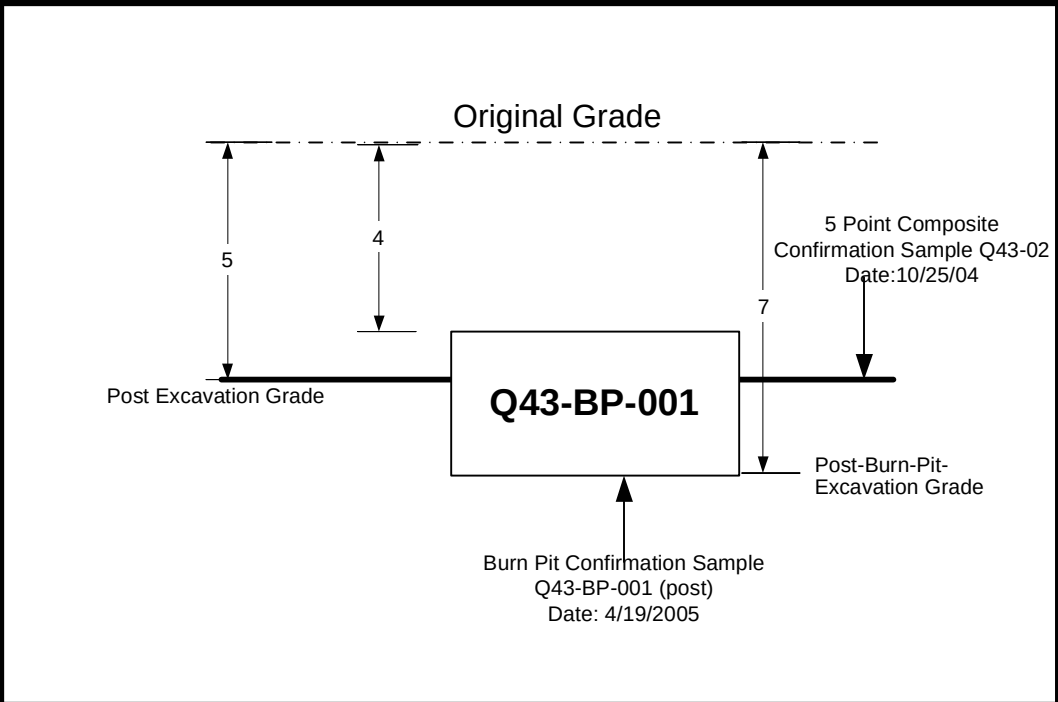
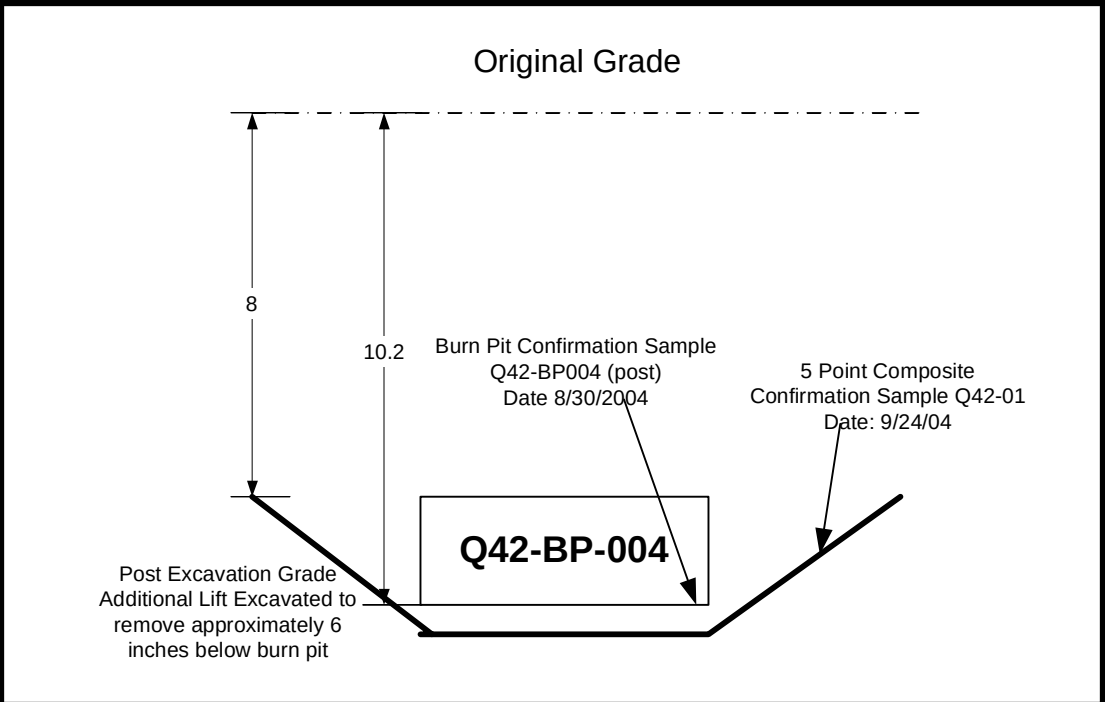
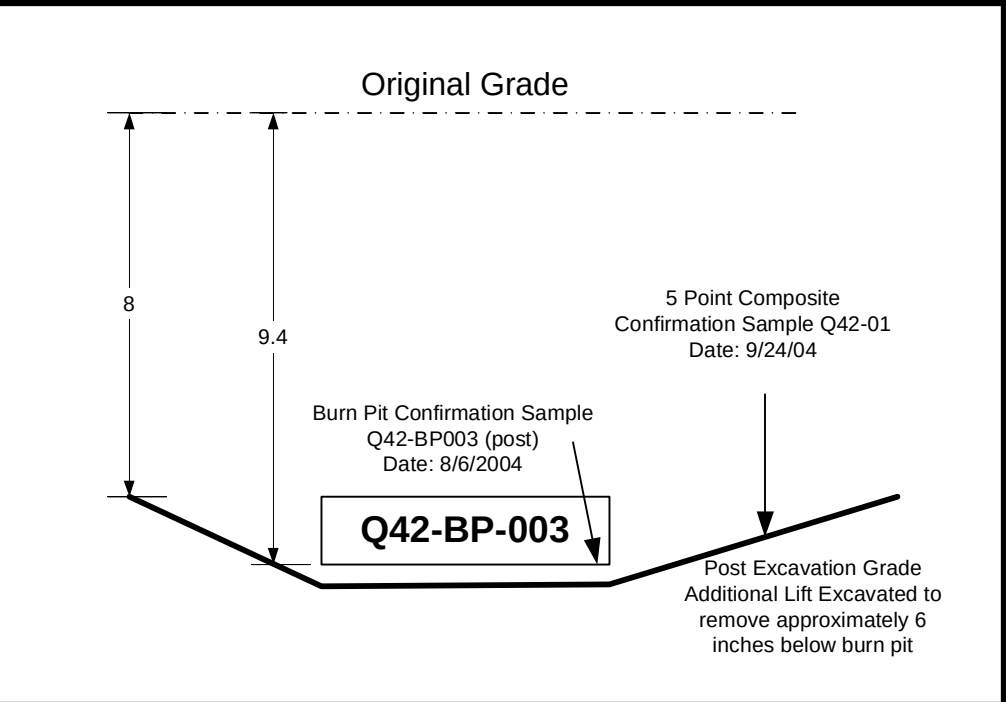
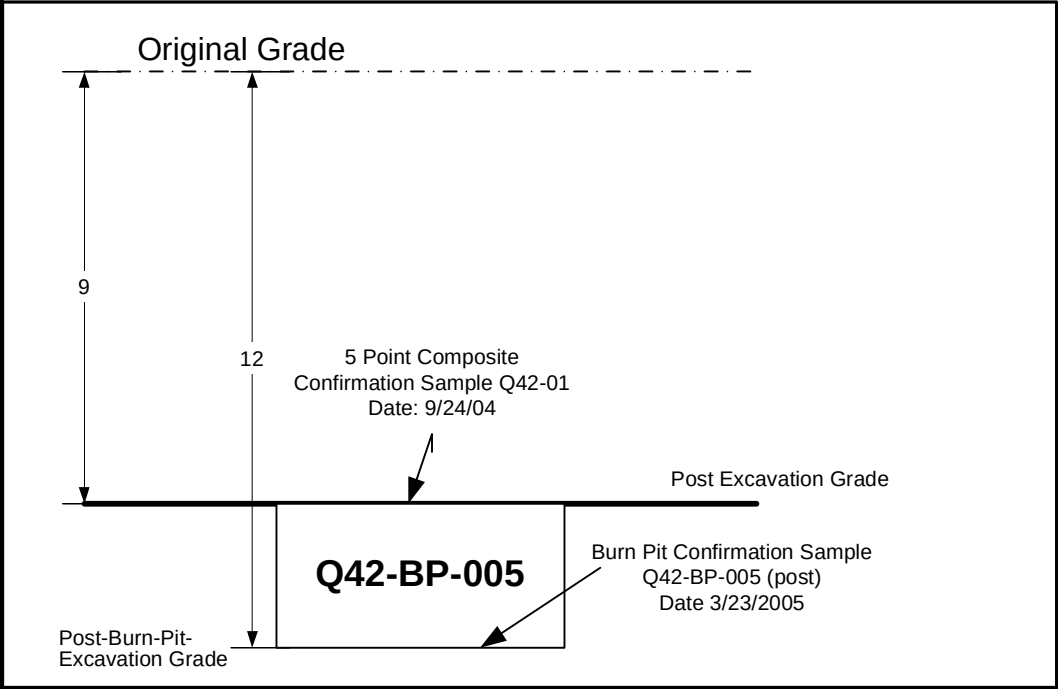
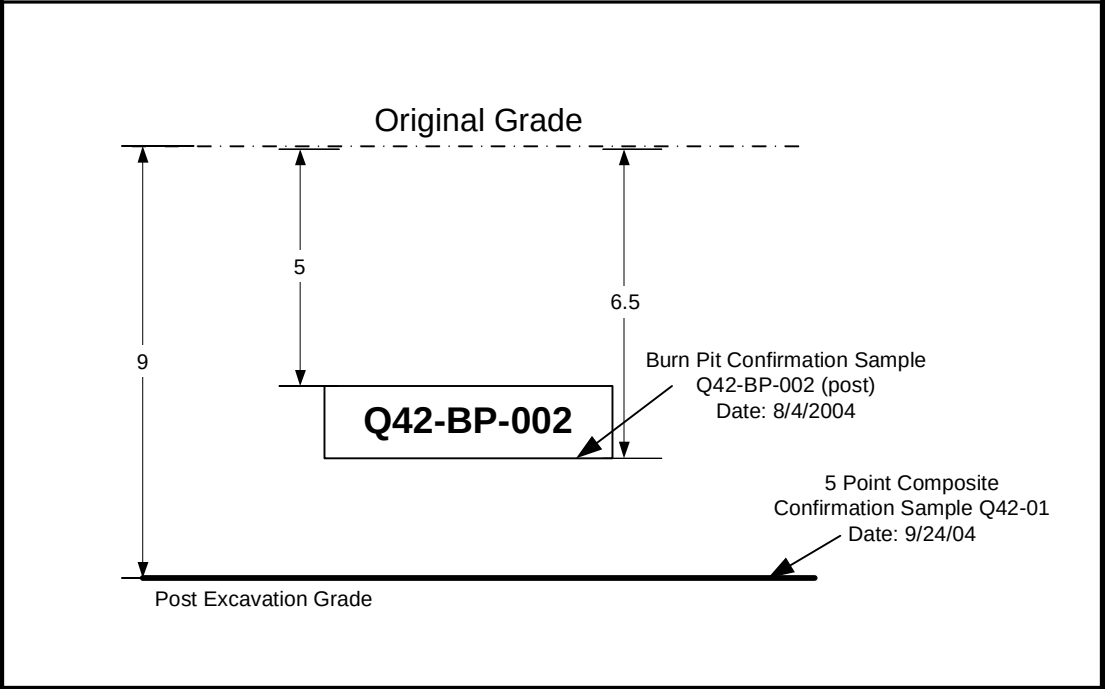


DRAWN BY: SG	FIGURE 3-6			
APPROVED BY: MS		Impact Area Groundwater Study Program Massachusetts Military Reservation, Cape Cod, MA		
09-14-05				
SIZE: B		Demo 1 Burn Pit Schematic Diagram		
	SCALE: NTS	FILENAME: BP.vsd	SHEET: 1 OF 2	REV: 1



- Notes
1. All dimensions in feet below ground surface
 2. Burn Pit lengths not drawn to scale

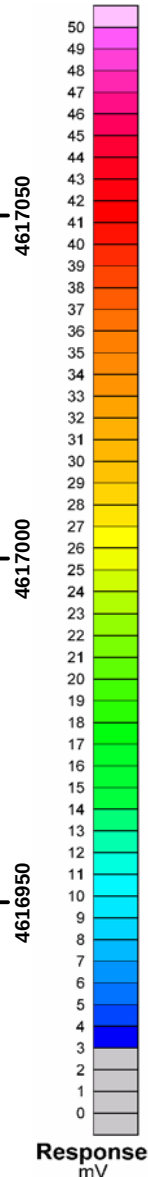
DRAWN BY: SG	FIGURE 3-6			
APPROVED BY: MS		Impact Area Groundwater Study Program Massachusetts Military Reservation, Cape Cod, MA		
09-14-05				
SIZE: B		Demo 1 Burn Pit Schematic Diagram		
	SCALE: NTS	FILENAME: BP.vsd	SHEET: 2 OF 2	REV: 1



Notes

1. All dimensions in feet below ground surface
2. Burn Pit lengths not drawn to scale

DRAWN BY: SG	 FIGURE 3-6 Impact Area Groundwater Study Program Massachusetts Military Reservation, Cape Cod, MA			
APPROVED BY: MS				
09-14-05				
SIZE: B			Demo 1 Burn Pit Schematic Diagram	
	SCALE: NTS	FILENAME: BP.vsd	SHEET: 1 OF 2	REV: 1

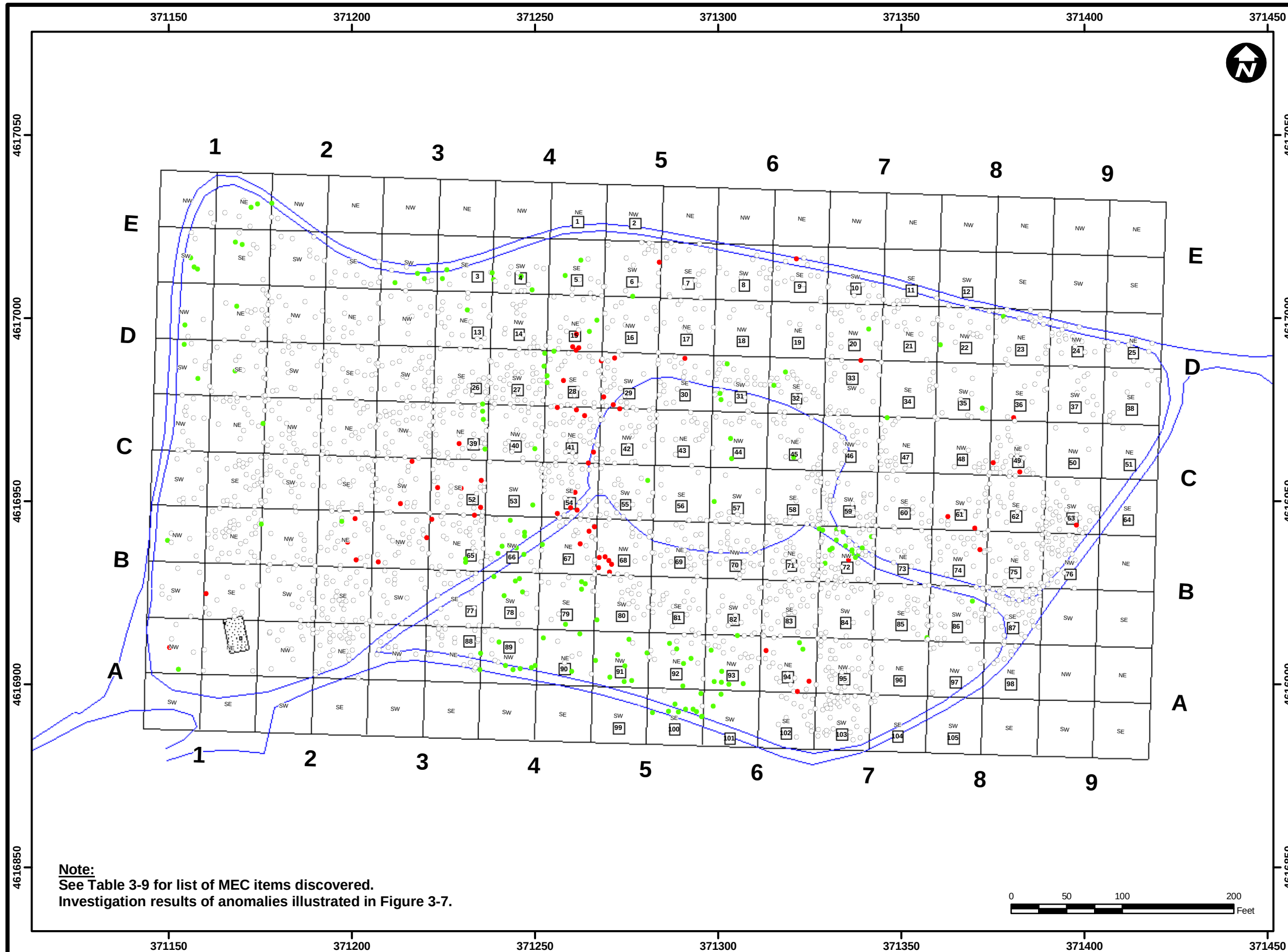


Legend

-  Excavation Quads
-  Roads
-  Quad Number
-  Bunker
-  EM-61 Signal Data

A map of the Town of Westford, Massachusetts, showing the 'Area of Detail' outlined in blue. The area is primarily white, indicating unincorporated land, and is surrounded by yellow areas representing other town land. A red square with a green and white flag icon is located within the blue-outlined area, indicating the location of the proposed development. The map also shows various water bodies, roads, and other geographical features.

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts

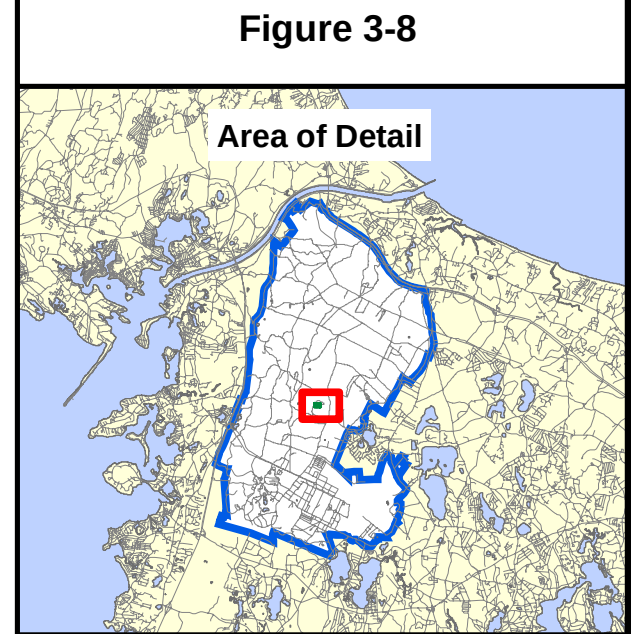


Contract No.		DACW33-02-D-0003		
Description		EM-61 Anomaly Removal		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	30-NOV-2005	Rev.	Date	Approved By
Drawn By	J. Kim			
Checked By	S. Gangopadhyay			
Approved By				

Legend

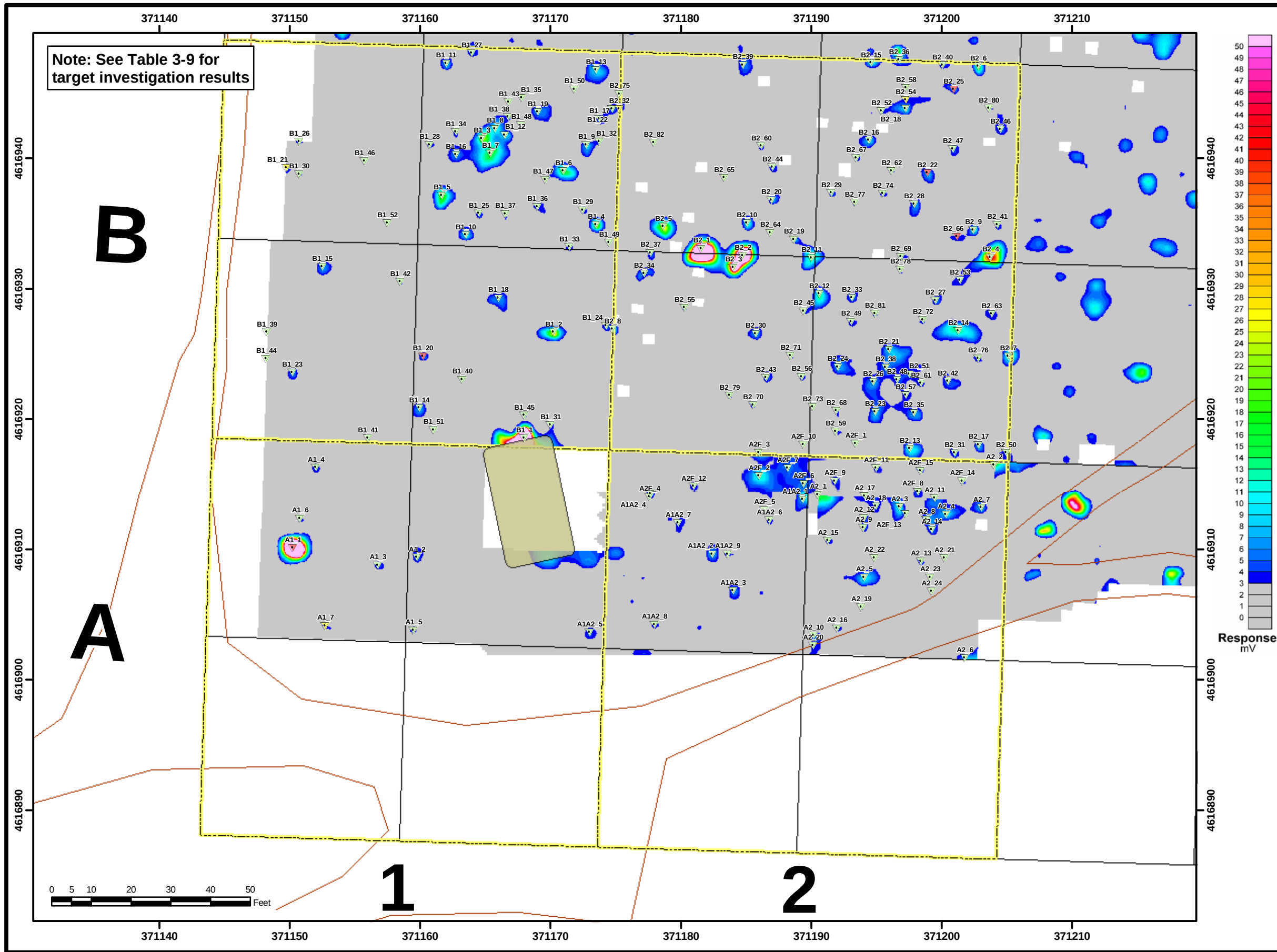
[Total Number of Targets - 2480]

- Munitions and Explosives of Concern (59)
- Munitions Debris and Other Debris (2278)
- No Find (143)
- Excavation Quads
- Original Road Boundary
- Bunker



Title:
Demo 1
Results of Anomaly Investigation
from Final Geophysical Survey

 **Impact Area**
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	6-SEP-2005	Rev.	Date	Approved By
Drawn By	J. Kim			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 189]

- Munitions and Explosives of Concern (5)
- Munitions Debris and Other Debris (180)
- No Find (4)
- Excavation Quads
- Roads
- Bunker
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 A

Demo 1 Map with Quad Number

Title:

Demo 1

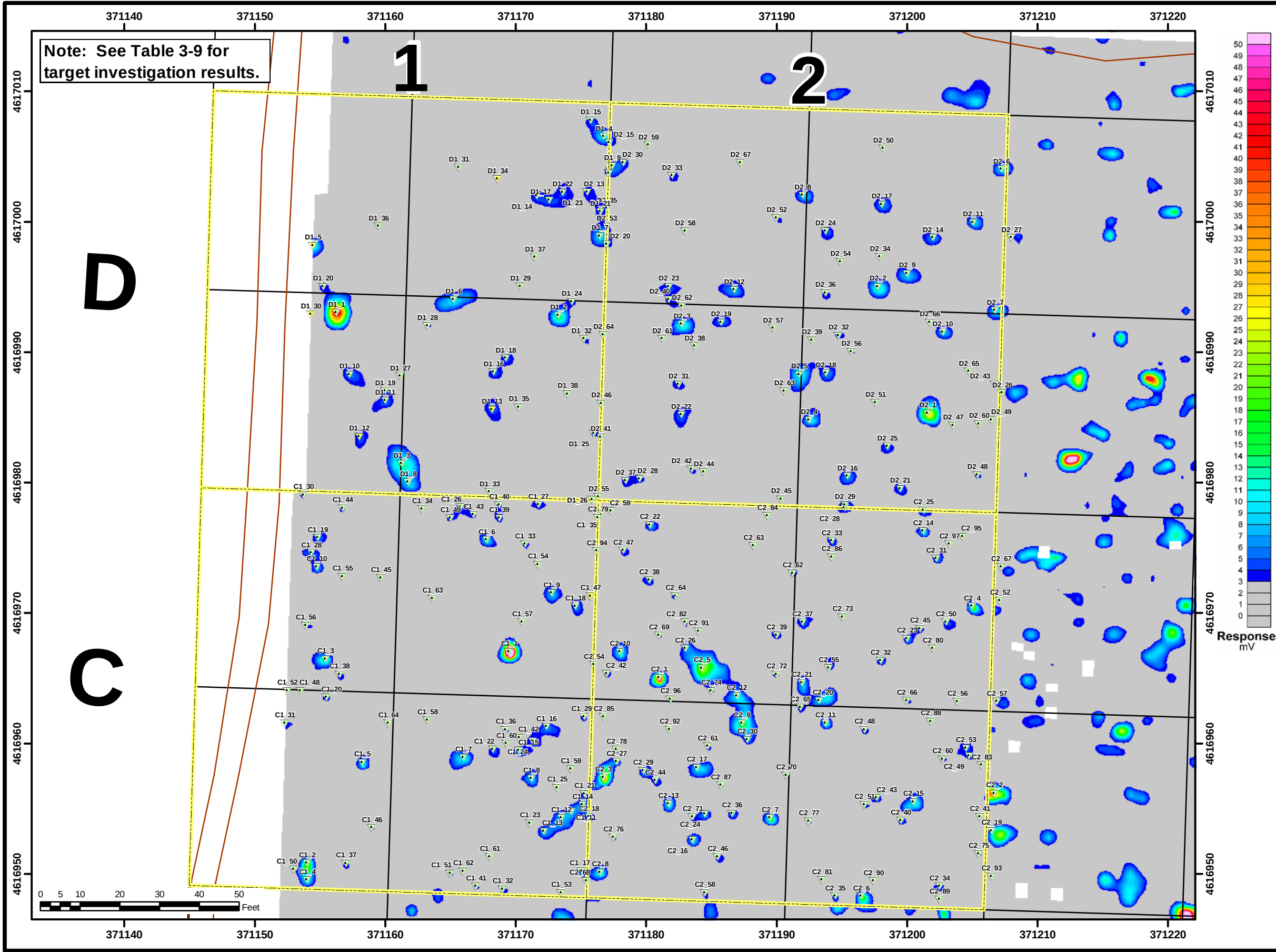
Final Post Soil Removal Geophysical Survey

Grids A1, A2, B1 and B2

Impact Area

Groundwater Study Program

Massachusetts Military Reservation
Cape Cod, Massachusetts



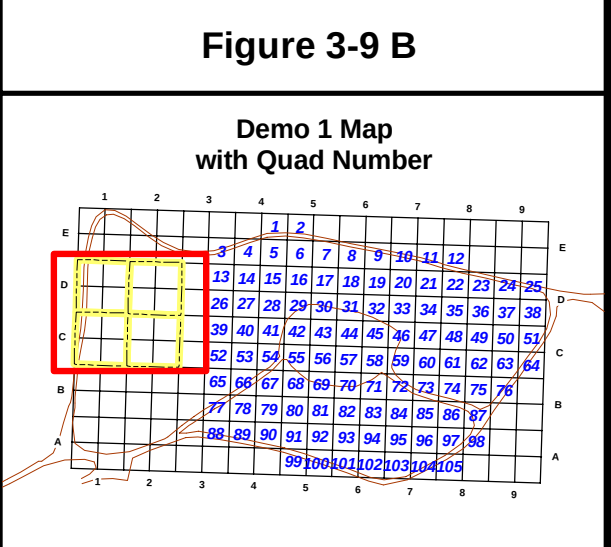
Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	7-SEP-2005	Rev.	Date	Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 266]

- Munitions and Explosives of Concern (0)
- Munitions Debris and Other Debris (260)
- No Find (6)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 B



Title:

Demo 1

Final Post Soil Removal

Geophysical Survey

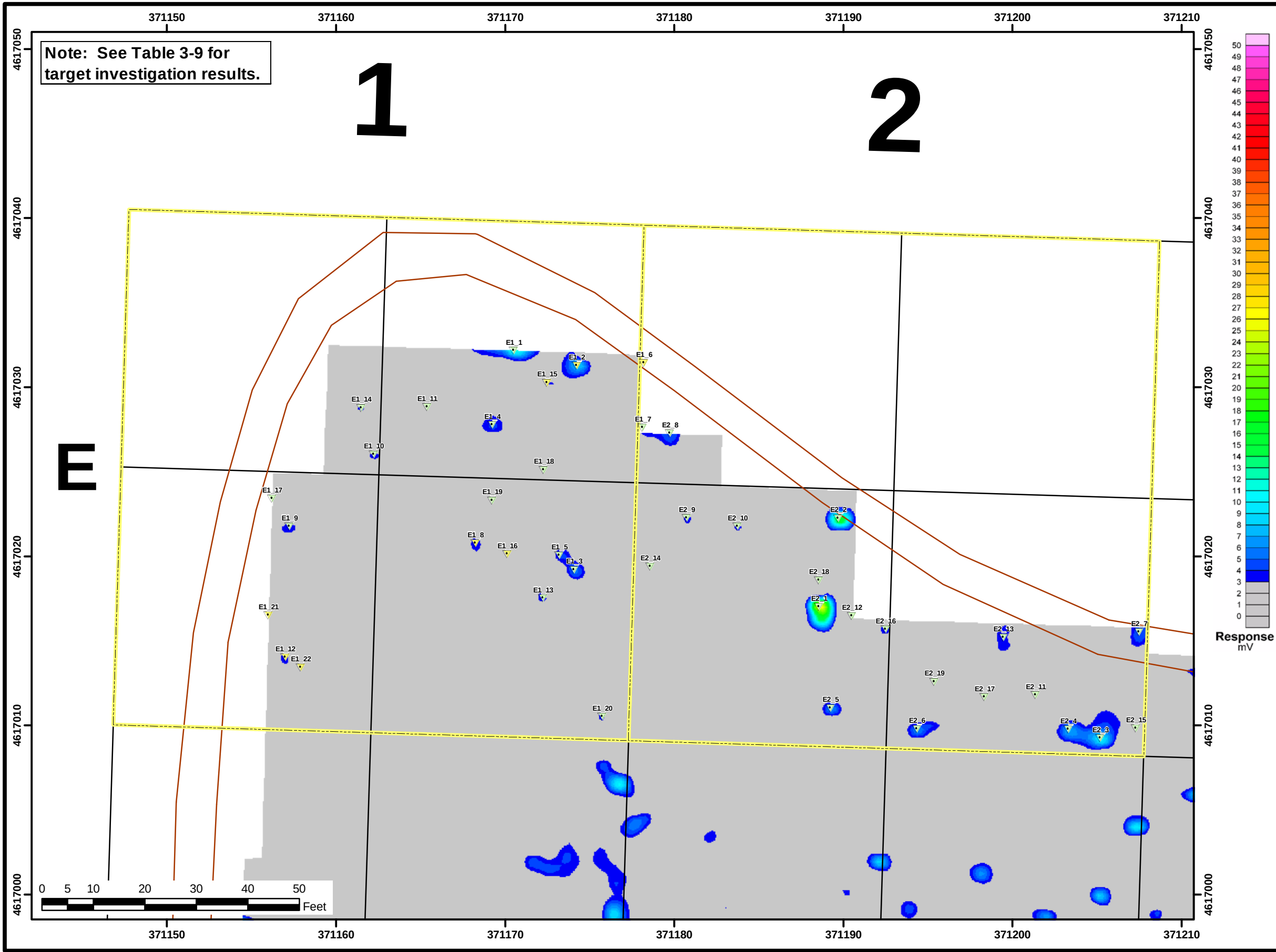
Grids C1, C2, D1, and D2

 **Impact Area**

Groundwater Study Program

Massachusetts Military Reservation
Cape Cod, Massachusetts

E:\C:\TERRC_GIS\Demo1_Anomalies\Demo1_COWDM1_E1\61_GridE1E2.mxd



Contract No.	DACW33-02-D-0003
Description	Demo 1 Grid Map
Coordinate system	NAD 1983, UTM, Zone 19 North in meters
Note	Positional data corrected by Pine Hill Reset LW4668.
Sources	Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.

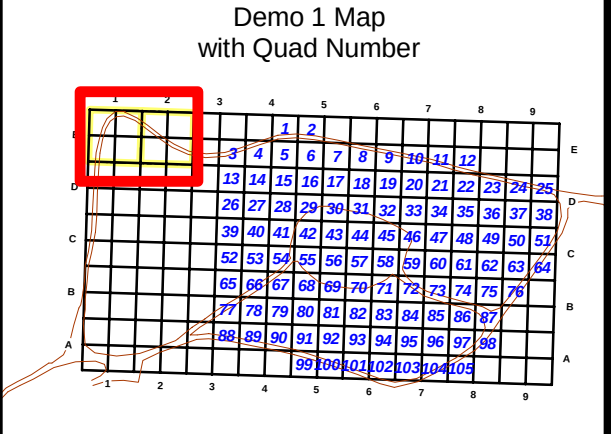
Date	29-SEP-2005	Rev.	Date	Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 41]

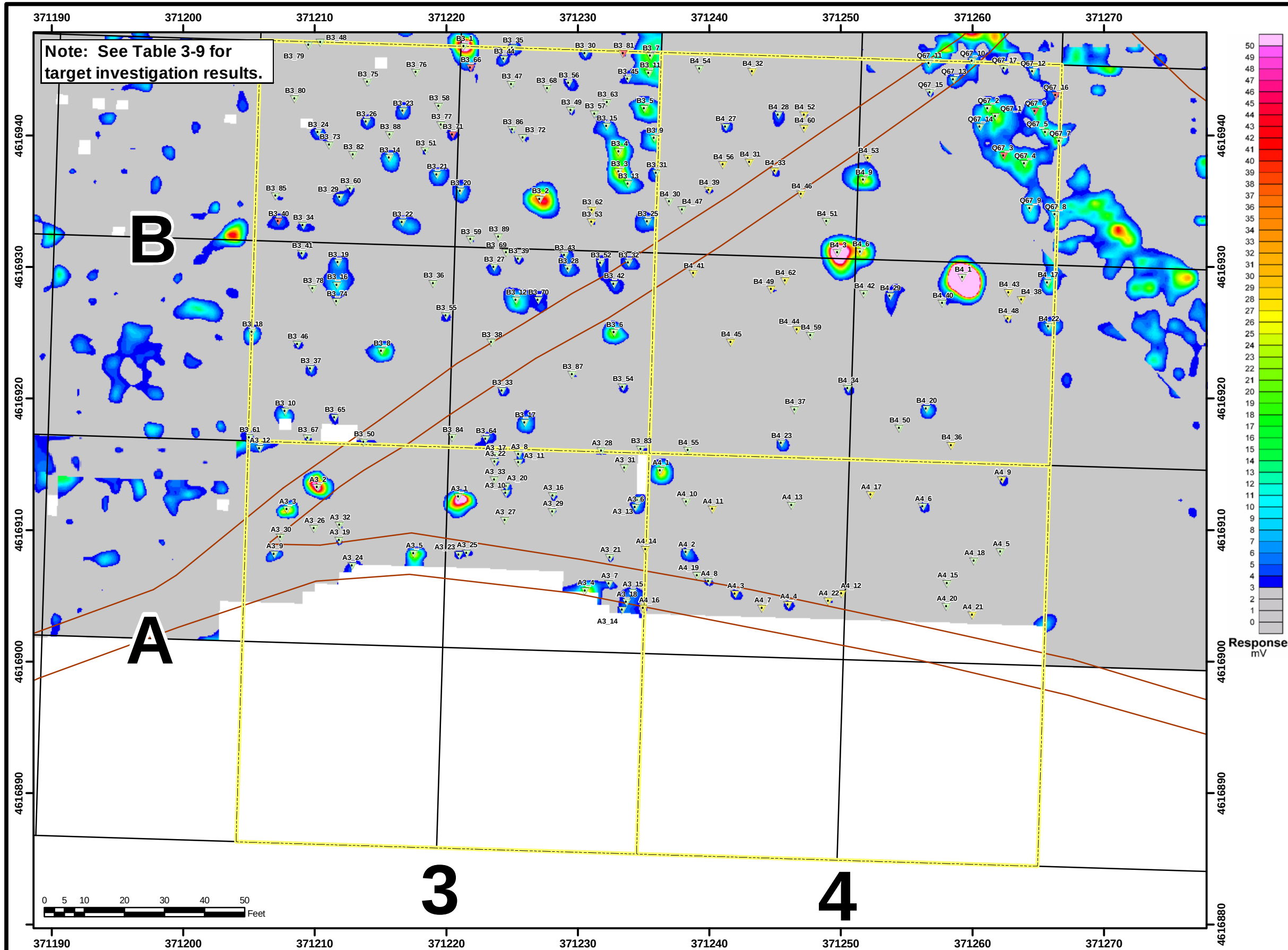
- Munitions and Explosives of Concern (0)
- Munitions Debris and Other Debris (33)
- No Find (8)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 C



Title: **Demo 1
Final Post Soil Removal
Geophysical Survey
Grids E1 and E2**

**Impact Area
Groundwater Study Program**
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	30-SEP-2005	Rev.		Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 201]

- Munitions and Explosives of Concern (7)
- Munitions Debris and Other Debris (163)
- No Find (31)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 D

Demo 1 Map with Quad Number

Title:

Demo 1

Final Post Soil Removal

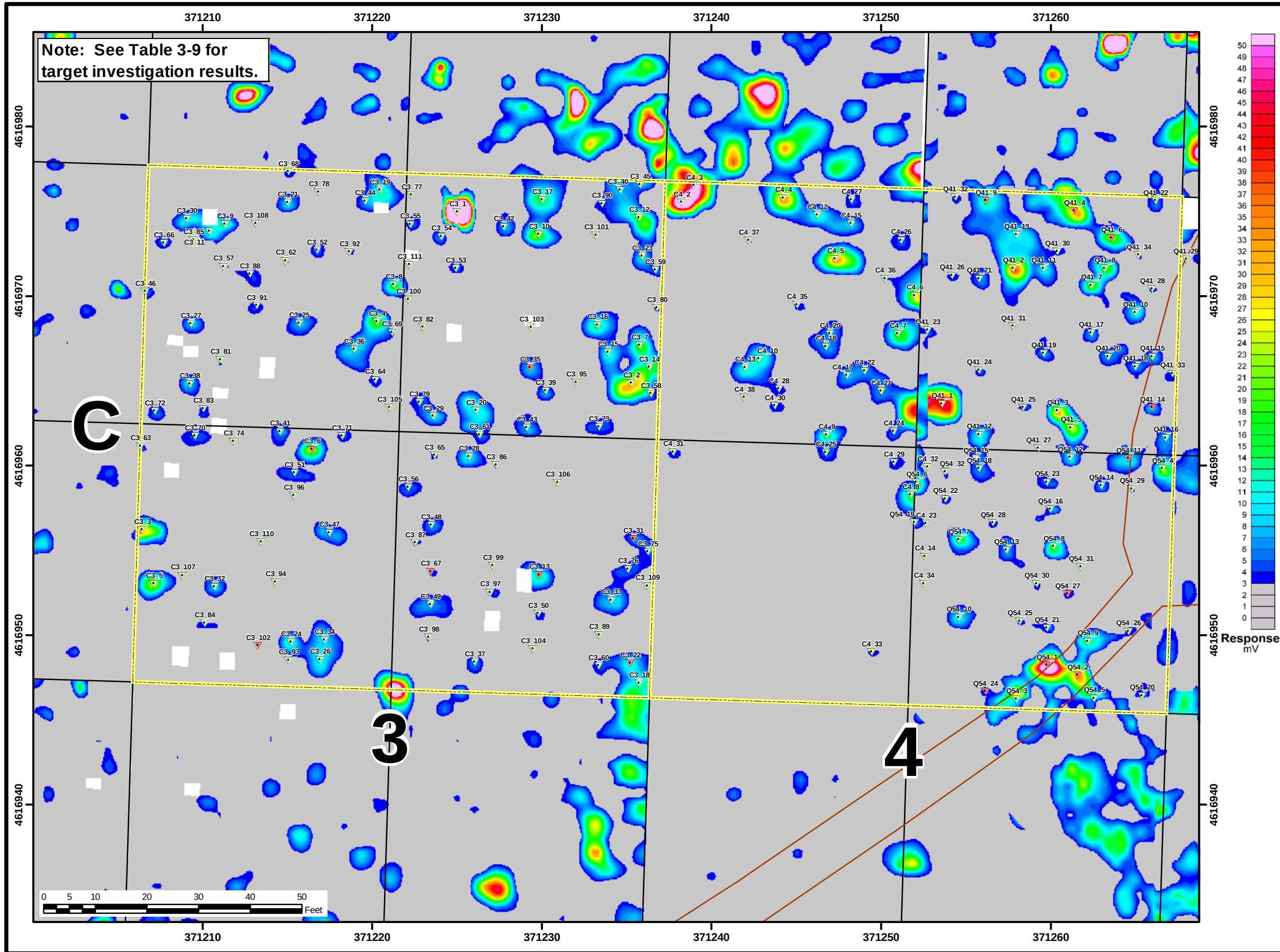
Geophysical Survey

Grids A3, A4, B3 and B4

Impact Area

Groundwater Study Program

Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	3-OCT-2005	Rev.	Date	Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 210]

- Munitions and Explosives of Concern (16)
- Munitions Debris and Other Debris (188)
- No Find (6)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

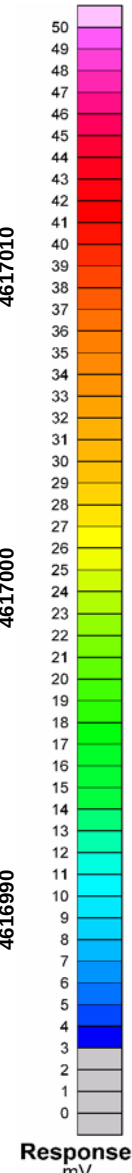
Figure 3-9 E

Demo 1 Map with Quad Number

Title:

Demo 1
Final Post Soil Removal
Geophysical Survey
Grids C3 and C4

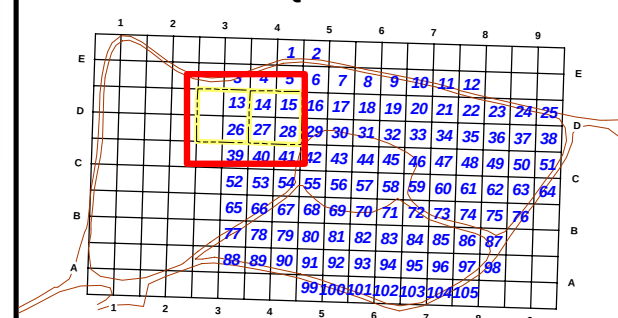
Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Date	5-OCT-2005	Rev.	Date	Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

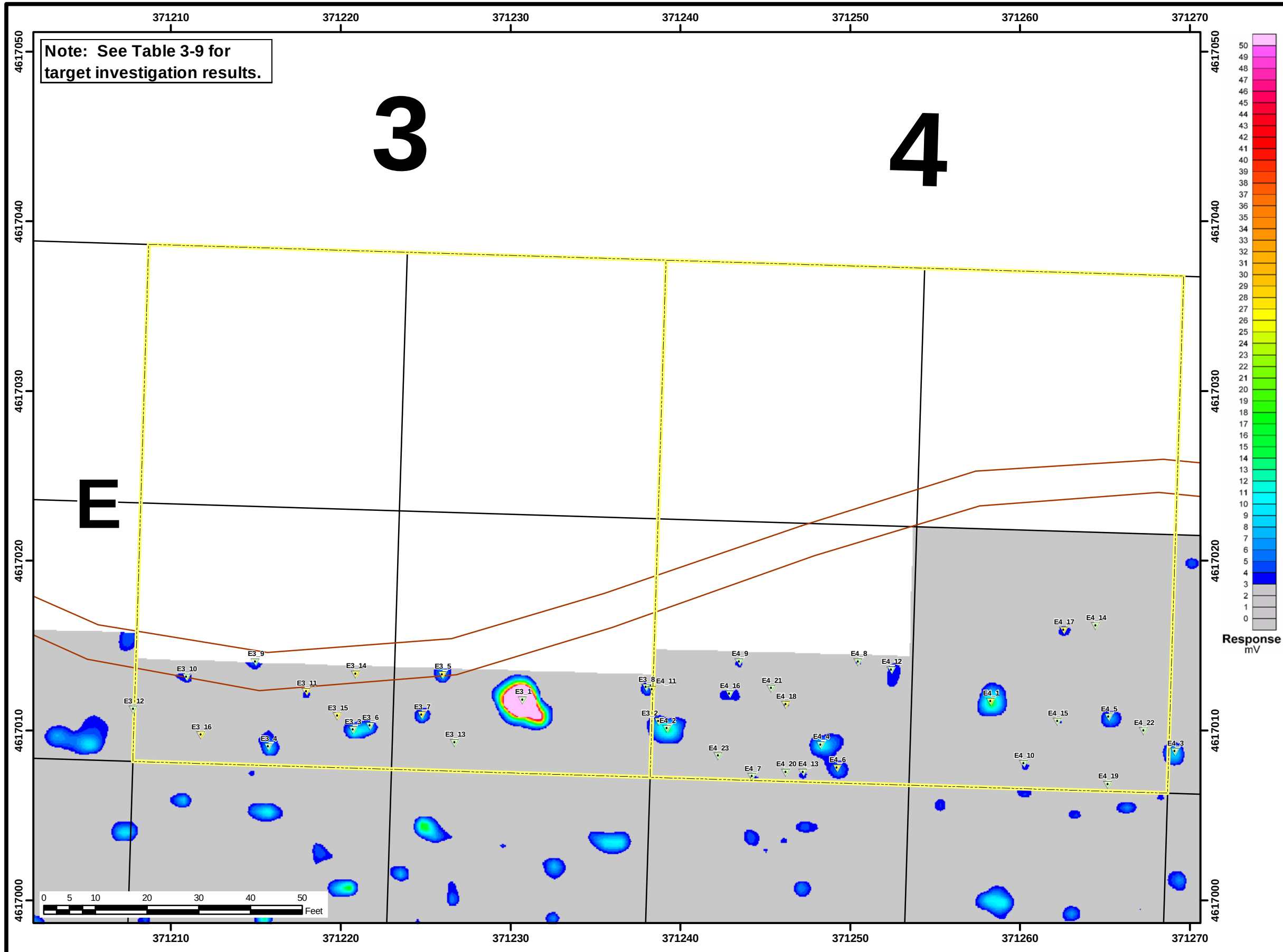
-  Munitions and Explosives of Concern (5)
-  Munitions Debris and Other Debris (179)
-  No Find (8)
-  Excavation Quads
-  Roads
-  Grid Boundary
-  EM-61 Signal Data with Target IDs

Demo 1 Map with Quad Number



Impact Area
Groundwater Study Program
 Massachusetts Military Reservation
 Cape Cod, Massachusetts

ECC C:\TERC_GIS\CT0003\Demo1_Anomalies\Demo1_GridE3E4.mxd



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	5-OCT-2005	Rev.		Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 39]

- Munitions and Explosives of Concern (0)
- Munitions Debris and Other Debris (27)
- No Find (12)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 G

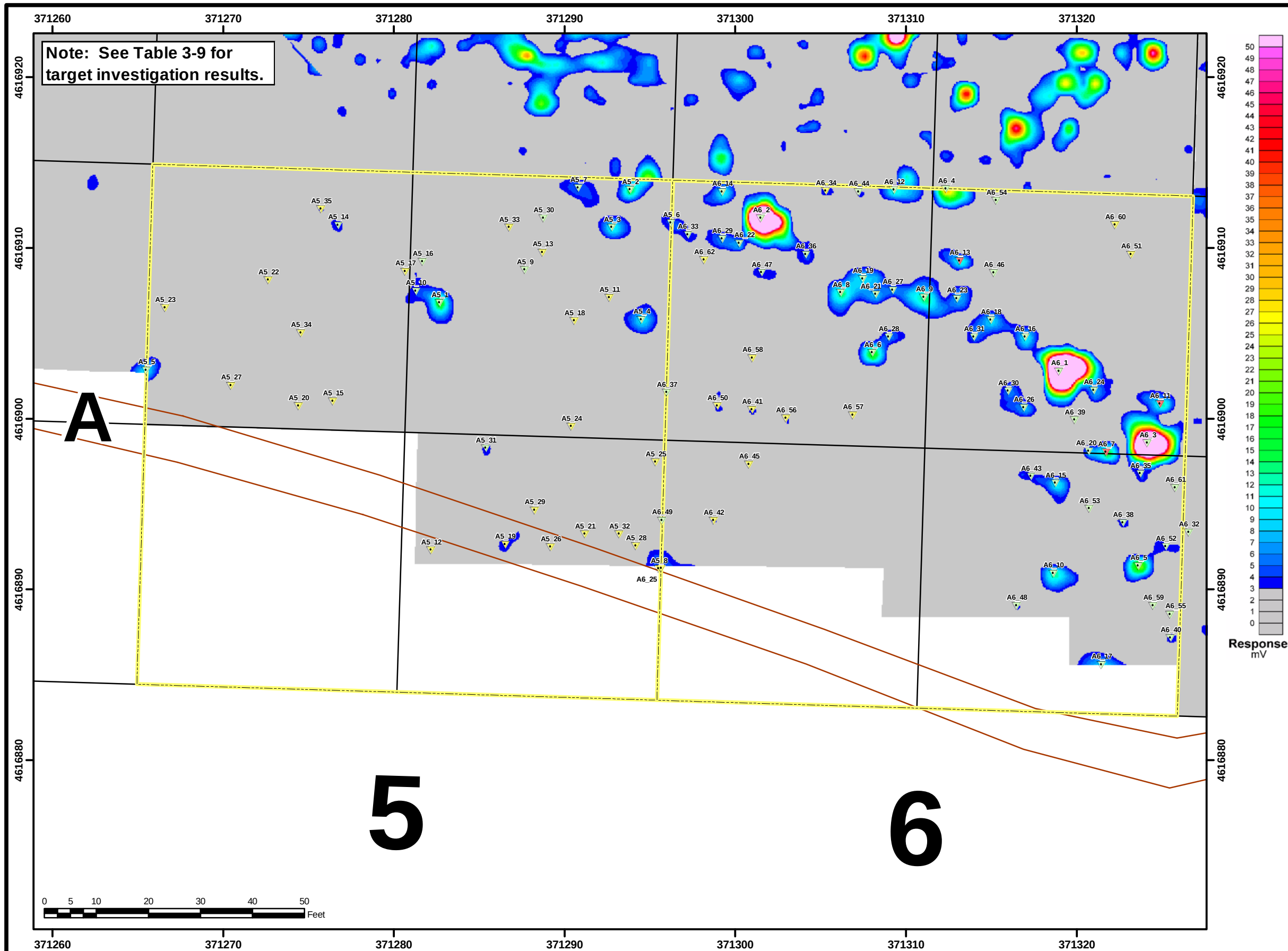
Demo 1 Map with Quad Number

The inset map shows a larger grid with a red box highlighting the area covered by the main map. The grid is labeled with numbers 1 through 25 and letters A through E. The red box is located in the center of the grid, covering the area from 1 to 25 and A to E.

Title:

Demo 1
Final Post Soil Removal
Geophysical Survey
Grids E3 and E4

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	5-OCT-2005	Rev.		Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 97]

- Munitions and Explosives of Concern (3)
- Munitions Debris and Other Debris (60)
- No Find (34)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 H

Demo 1 Map with Quad Number

Title:

Demo 1

Final Post Soil Removal

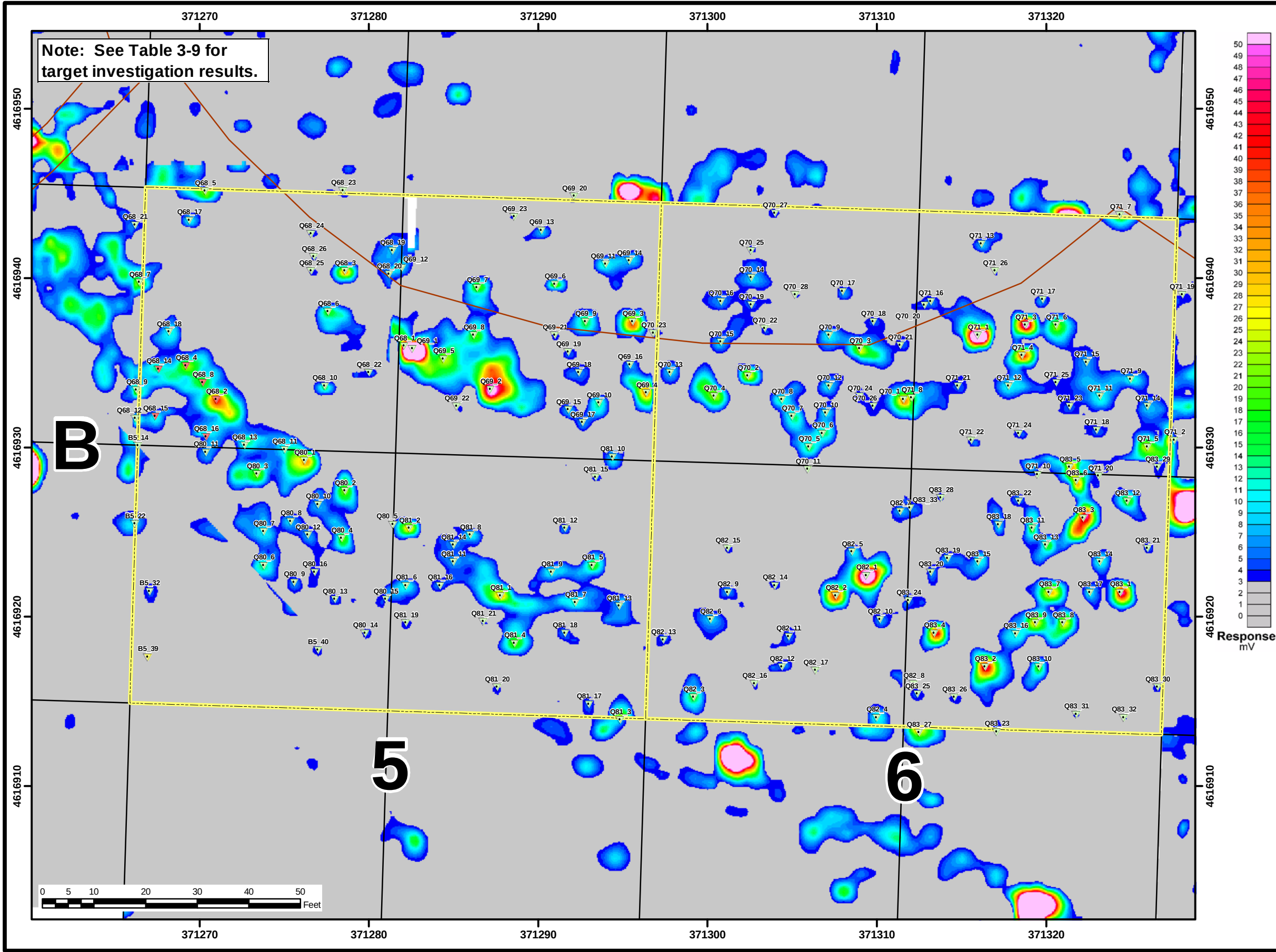
Geophysical Survey

Grids A5 and A6

Impact Area

Groundwater Study Program

Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.	DACW33-02-D-0003			
Description	Demo 1 Grid Map			
Coordinate system	NAD 1983, UTM, Zone 19 North in meters			
Note	Positional data corrected by Pine Hill Reset LW4668.			
Sources	Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.			

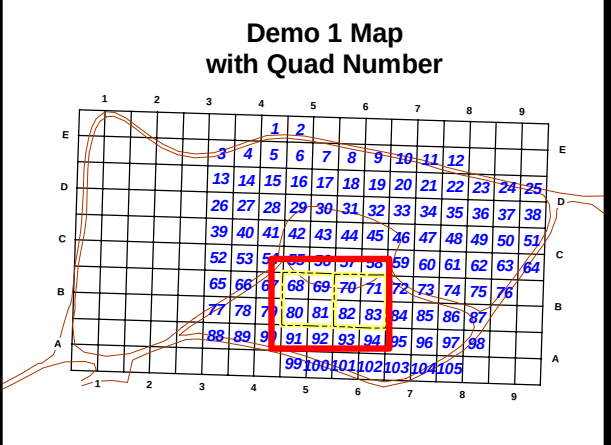
Date	5-OCT-2005	Rev.		Date	Approved By
Drawn By	A. Comeau				
Checked By	S. Gangopadhyay				
Approved By					

Legend

[Total Number of Targets - 195]

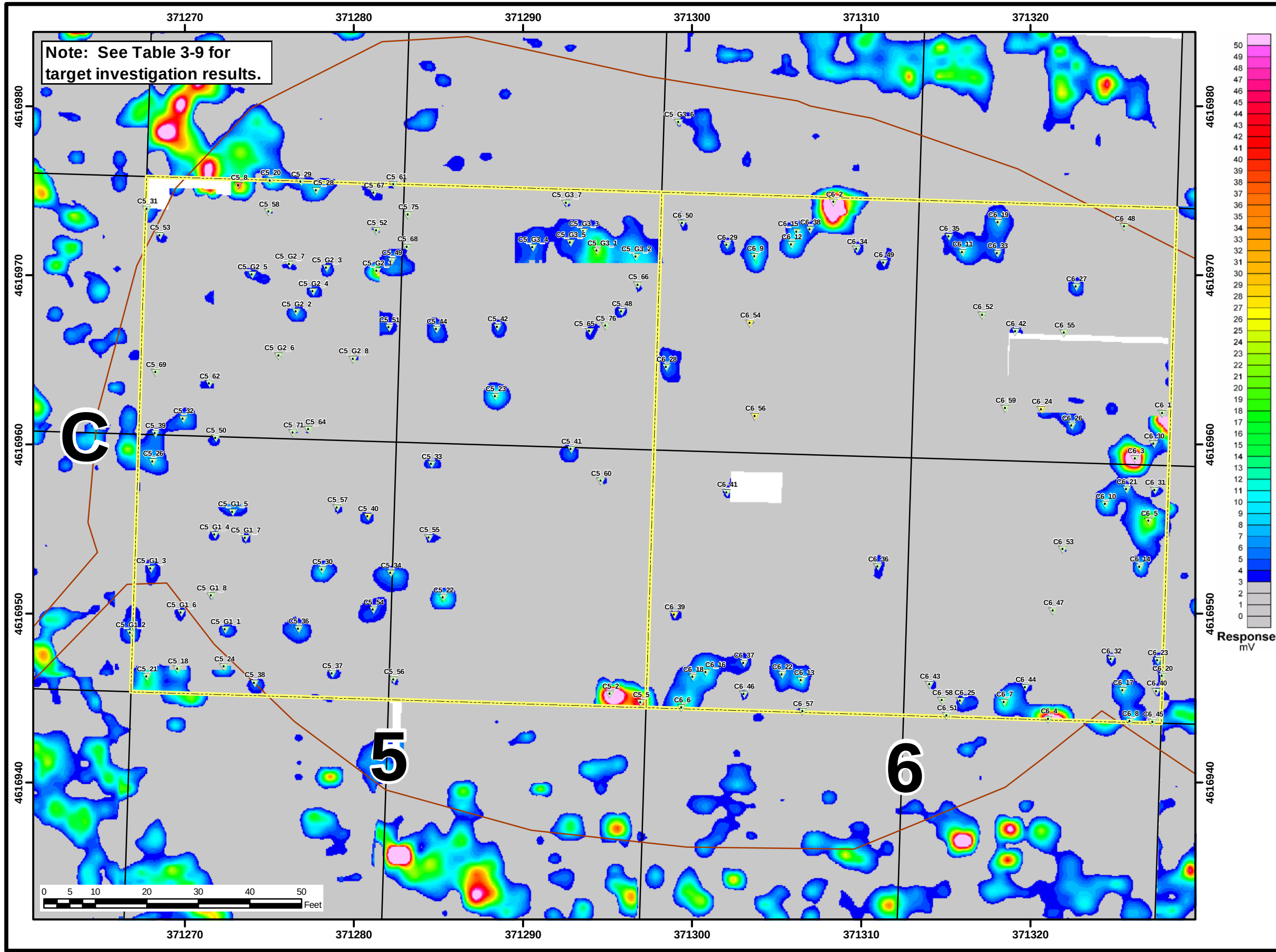
- Munitions and Explosives of Concern (6)
- Munitions Debris and Other Debris (188)
- No Find (1)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 I



Title: **Demo 1**
Final Post Soil Removal
Geophysical Survey
Grids B5 and B6

 **Impact Area**
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	5-OCT-2005	Rev.		Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 130]

- Munitions and Explosives of Concern (1)
- Munitions Debris and Other Debris (124)
- No Find (5)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 J

Demo 1 Map with Quad Number

Title:

Demo 1

Final Post Soil Removal

Geophysical Survey

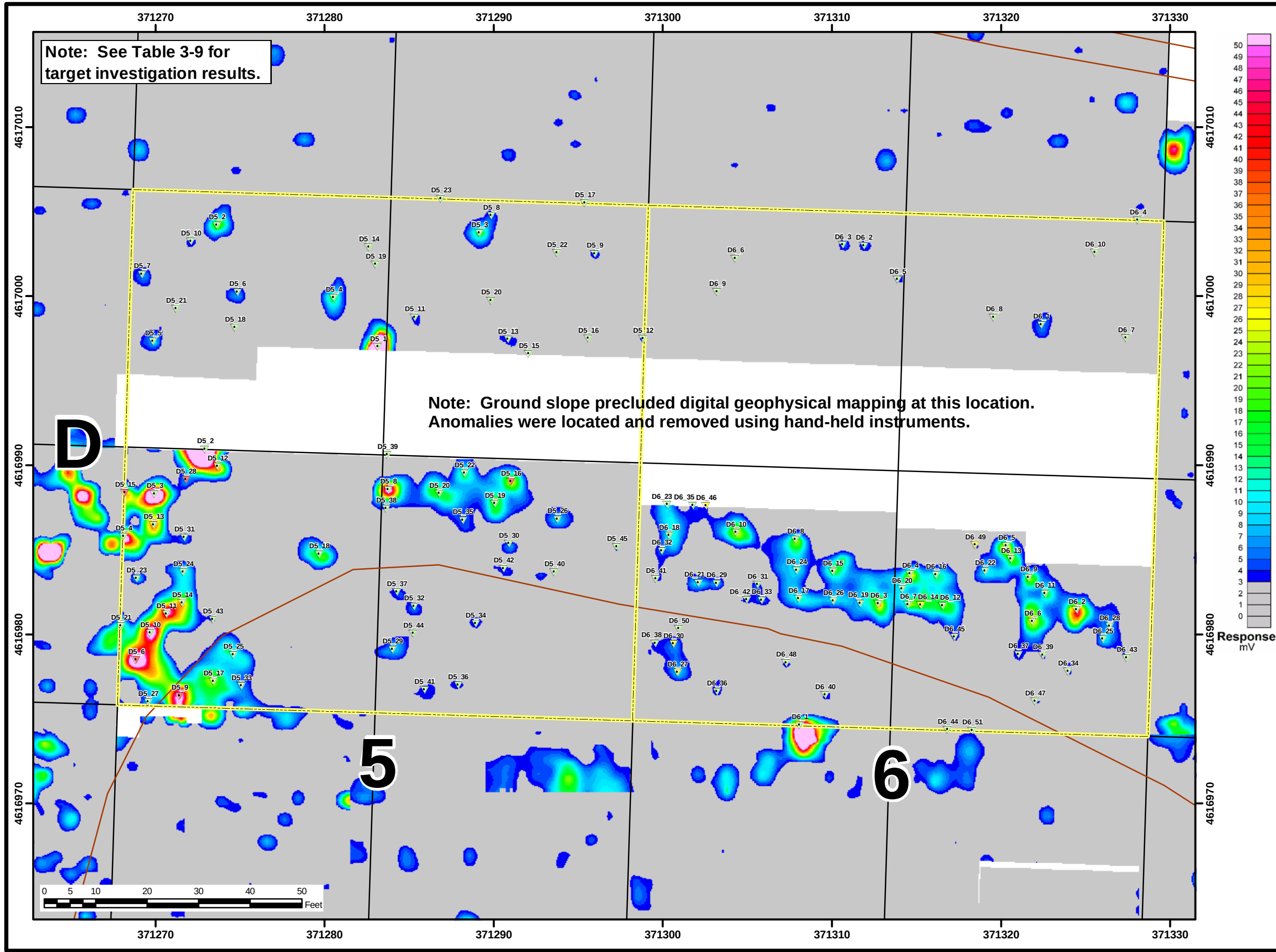
Grids C5 and C6

 **Impact Area**

Groundwater Study Program

Massachusetts Military Reservation
Cape Cod, Massachusetts

E:\C:\TERRC_GIS\CT0003\Demo1_Anomalies\Demo1_COW\DM1_EM61_Grid\DS6.mxd



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	5-OCT-2005	Rev.	Date	Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 126]

- Munitions and Explosives of Concern (5)
- Munitions Debris and Other Debris (116)
- No Find (5)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 K

Demo 1 Map with Quad Number

Title:

Demo 1

Final Post Soil Removal

Geophysical Survey

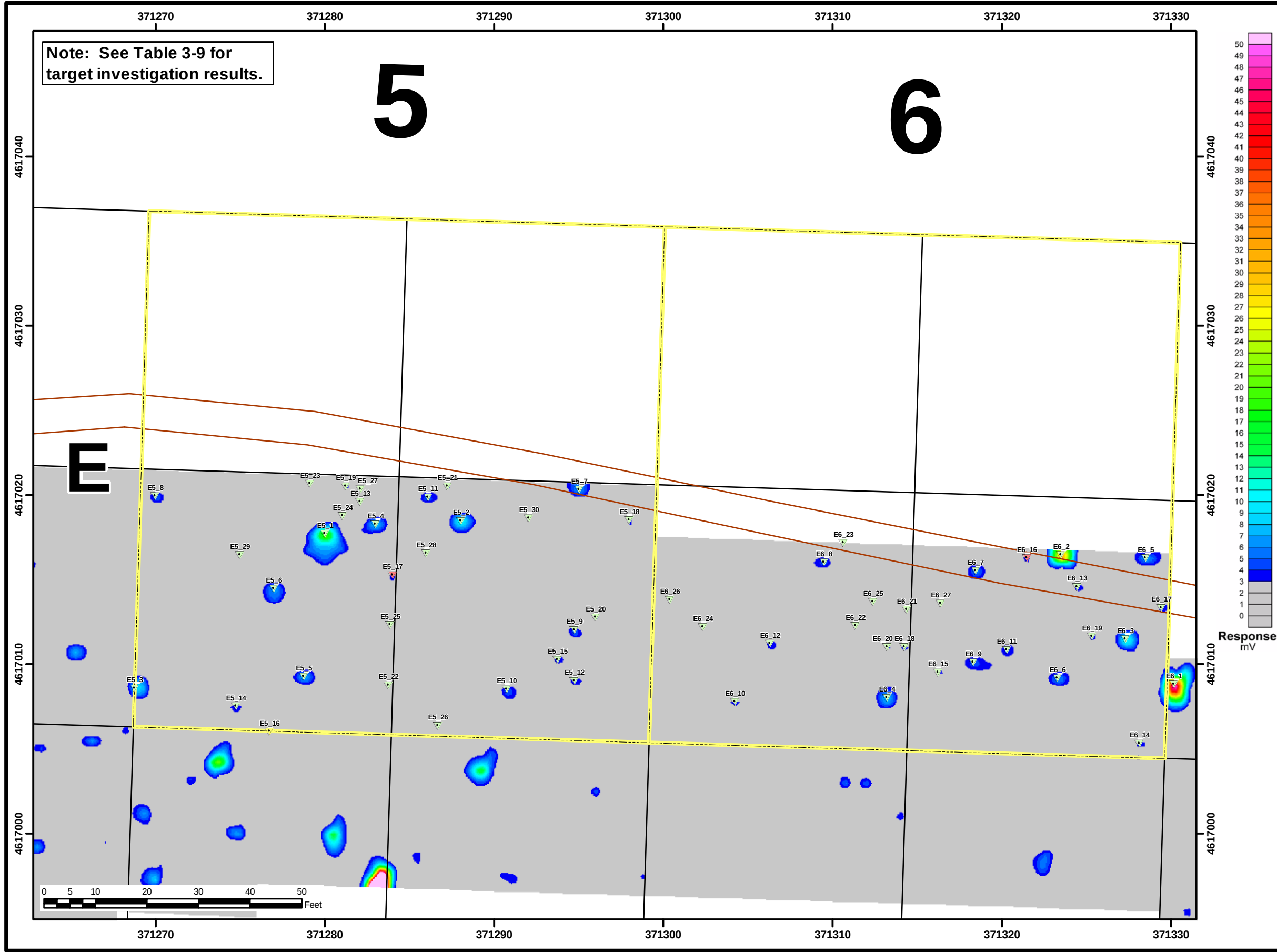
Grids D5 and D6

Impact Area

Groundwater Study Program

Massachusetts Military Reservation
Cape Cod, Massachusetts

E:\C:\TERRC_GIS\CT0003\Demo1_Anomalies\Demo1_COW\DM1_EM61_GridsE5E6.mxd



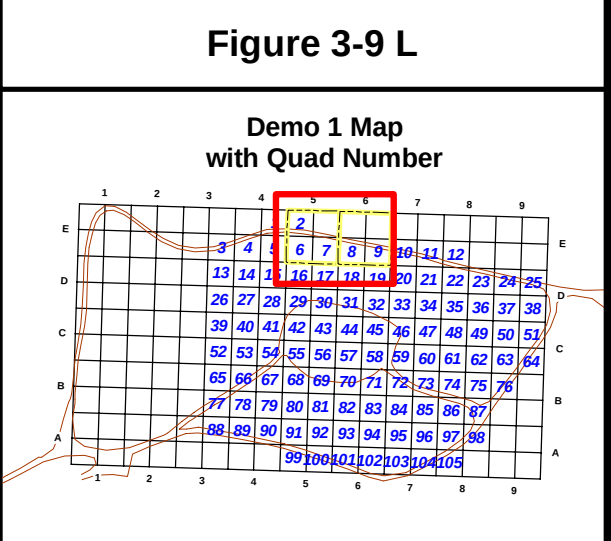
Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	5-OCT-2005	Rev.	Date	Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 57]

- Munitions and Explosives of Concern (2)
- Munitions Debris and Other Debris (54)
- No Find (1)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

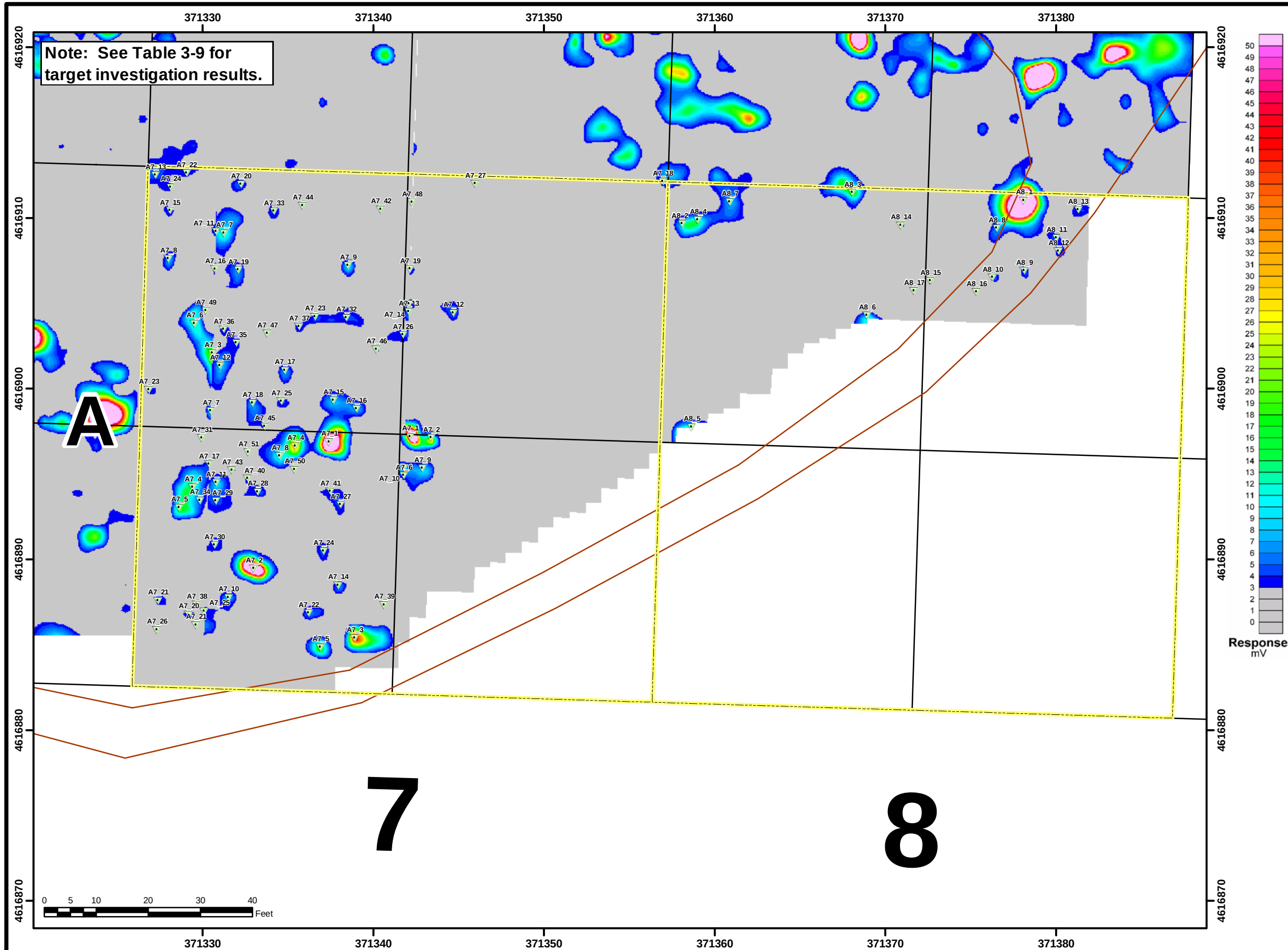
Figure 3-9 L



Title:

Demo 1
Final Post Soil Removal
Geophysical Survey
Grids E5 and E6

 **Impact Area**
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	7-OCT-2005	Rev.		Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 95]

- Munitions and Explosives of Concern (0)
- Munitions Debris and Other Debris (95)
- No Find (0)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

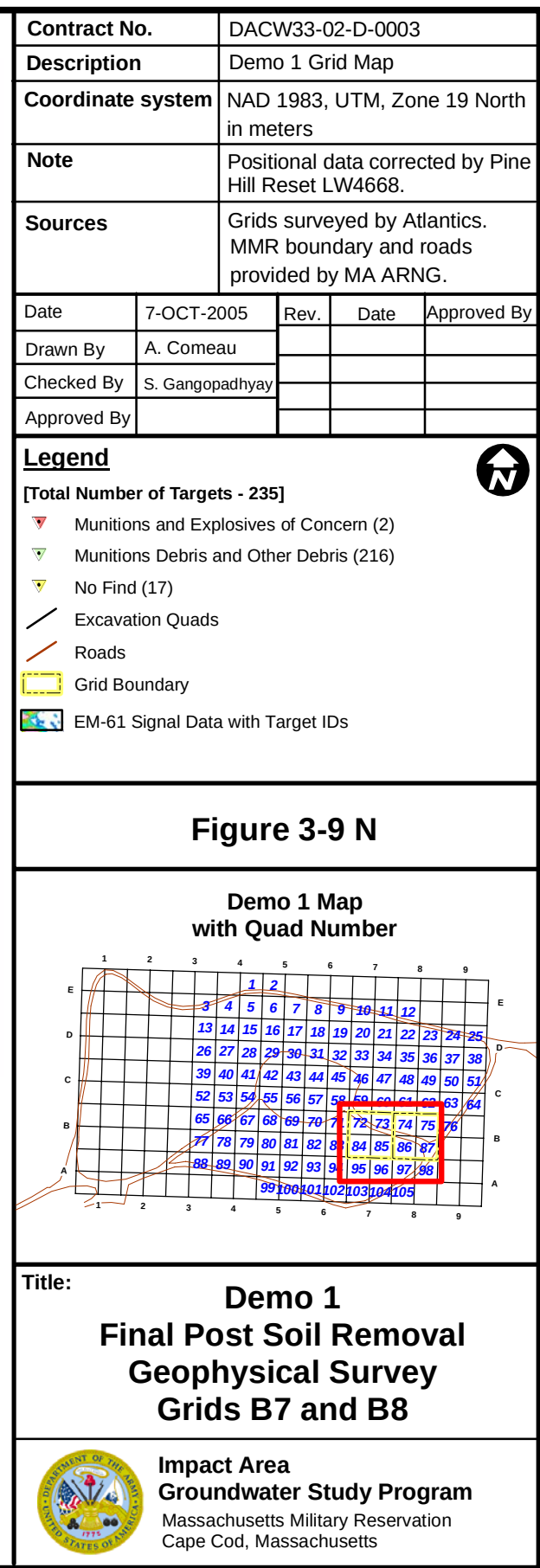
Figure 3-9 M

Demo 1 Map with Quad Number

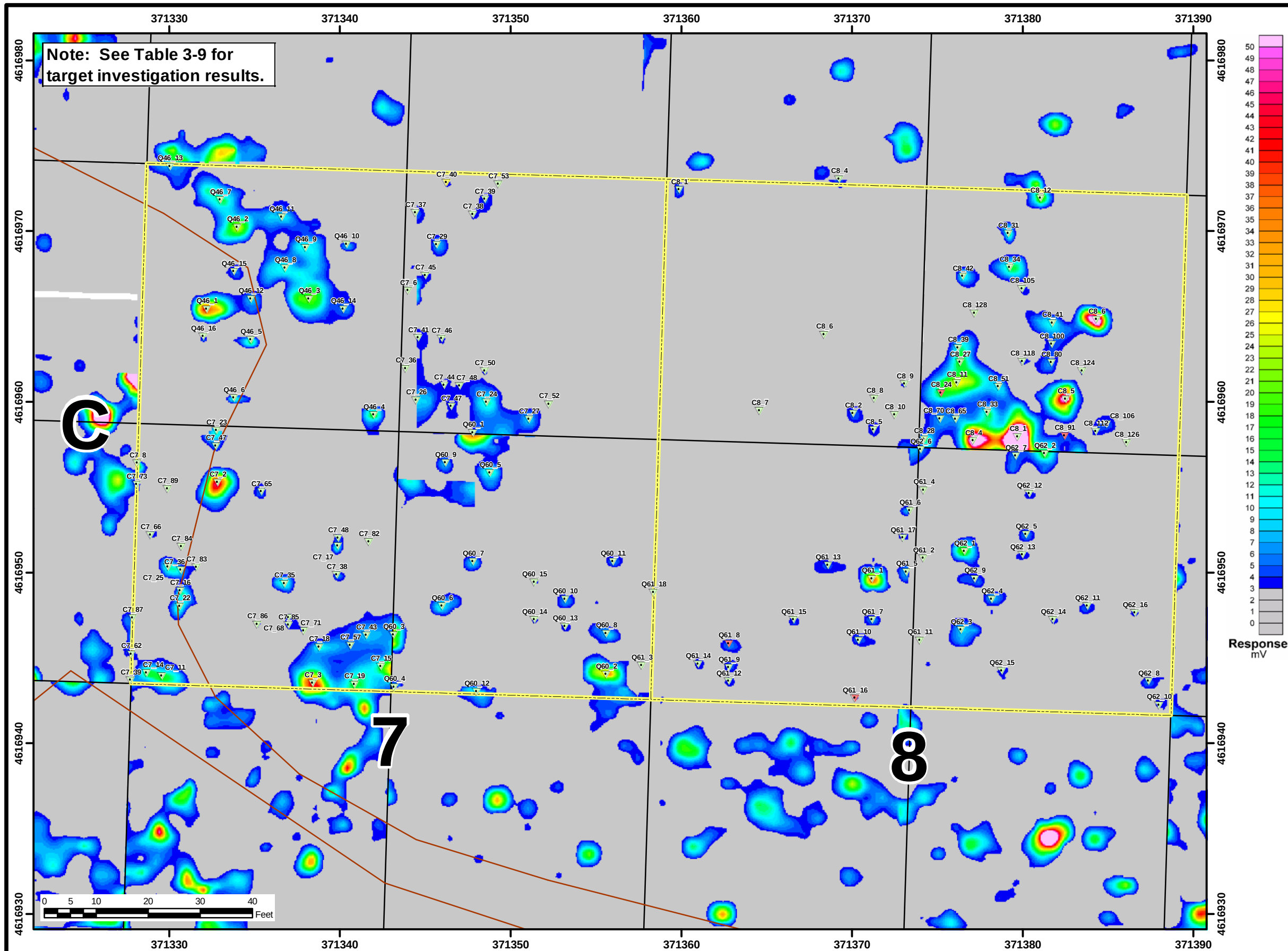
Title:

Demo 1
Final Post Soil Removal
Geophysical Survey
Grids A7 and A8

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



E:\C:\TERC_GIS\CT003\Demo1_Anomalies\Demo1_COW\DM1_EM61_Grid\C7C8.mxd



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	10-OCT-2005	Rev.	Date	Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 155]

- Munitions and Explosives of Concern (4)
- Munitions Debris and Other Debris (150)
- No Find (1)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

Figure 3-9 O

Demo 1 Map with Quad Number

Title:

Demo 1

Final Post Soil Removal

Geophysical Survey

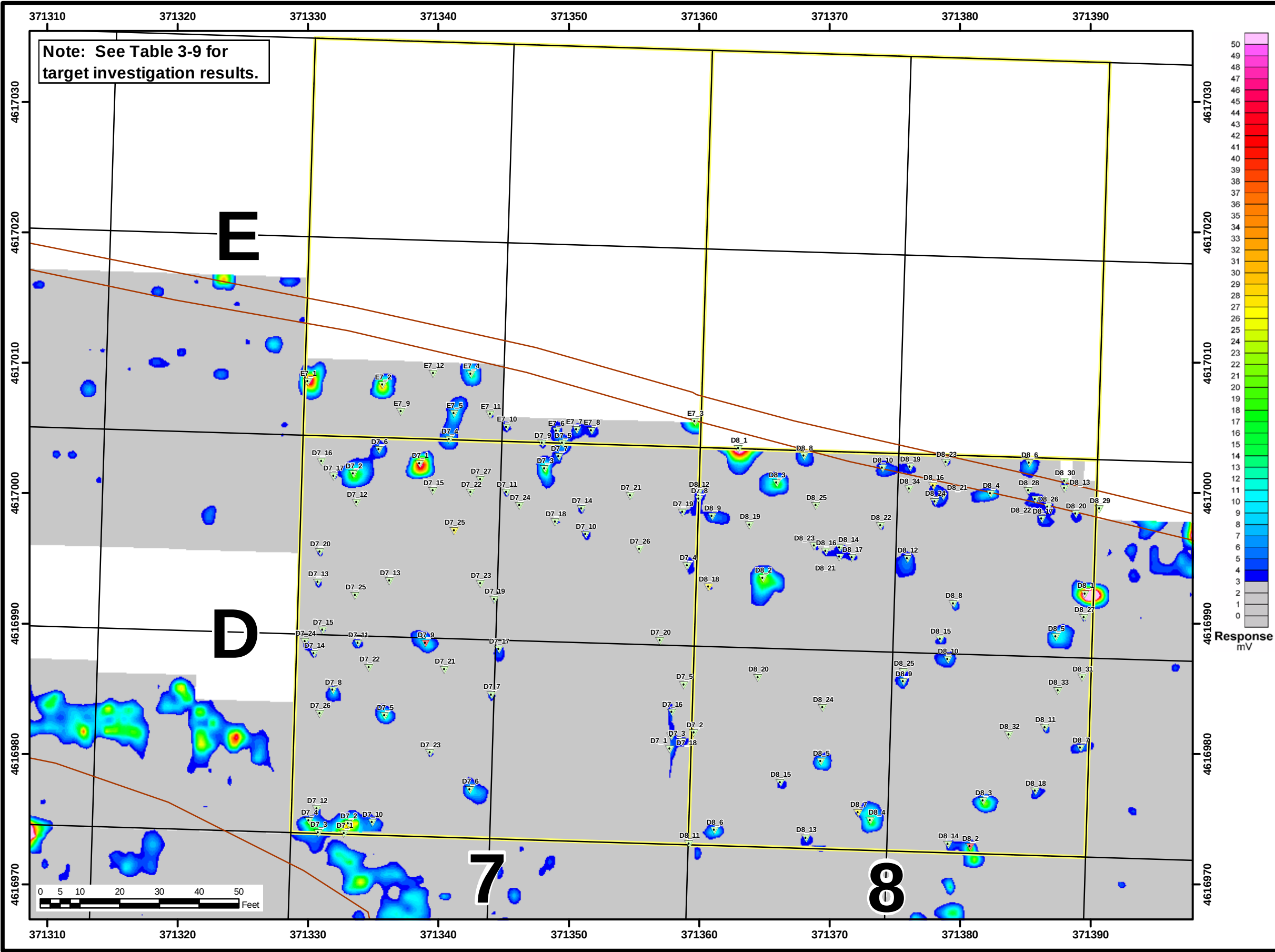
Grids C7 and C8

Impact Area

Groundwater Study Program

Massachusetts Military Reservation
Cape Cod, Massachusetts

E:\C:\TERRC_GIS\CT0003\Demo1_Anomalies\Demo1_COW\DM1_EM61_Grid\7D8E7E8.mxd



Contract No.		DACW33-02-D-0003		
Description		Demo 1 Grid Map		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	10-OCT-2005	Rev.	Date	Approved By
Drawn By	A. Comeau			
Checked By	S. Gangopadhyay			
Approved By				

Legend

[Total Number of Targets - 129]

Munitions and Explosives of Concern (2)

Munitions Debris and Other Debris (123)

No Find (4)

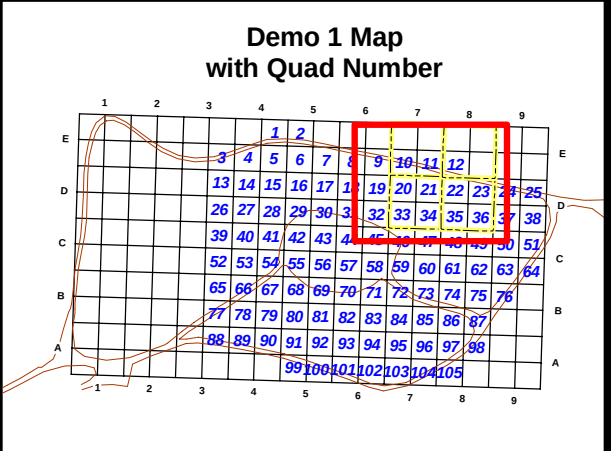
Roads

Excavation Quads

Grid Boundary

EM-61 Signal Data with Target IDs

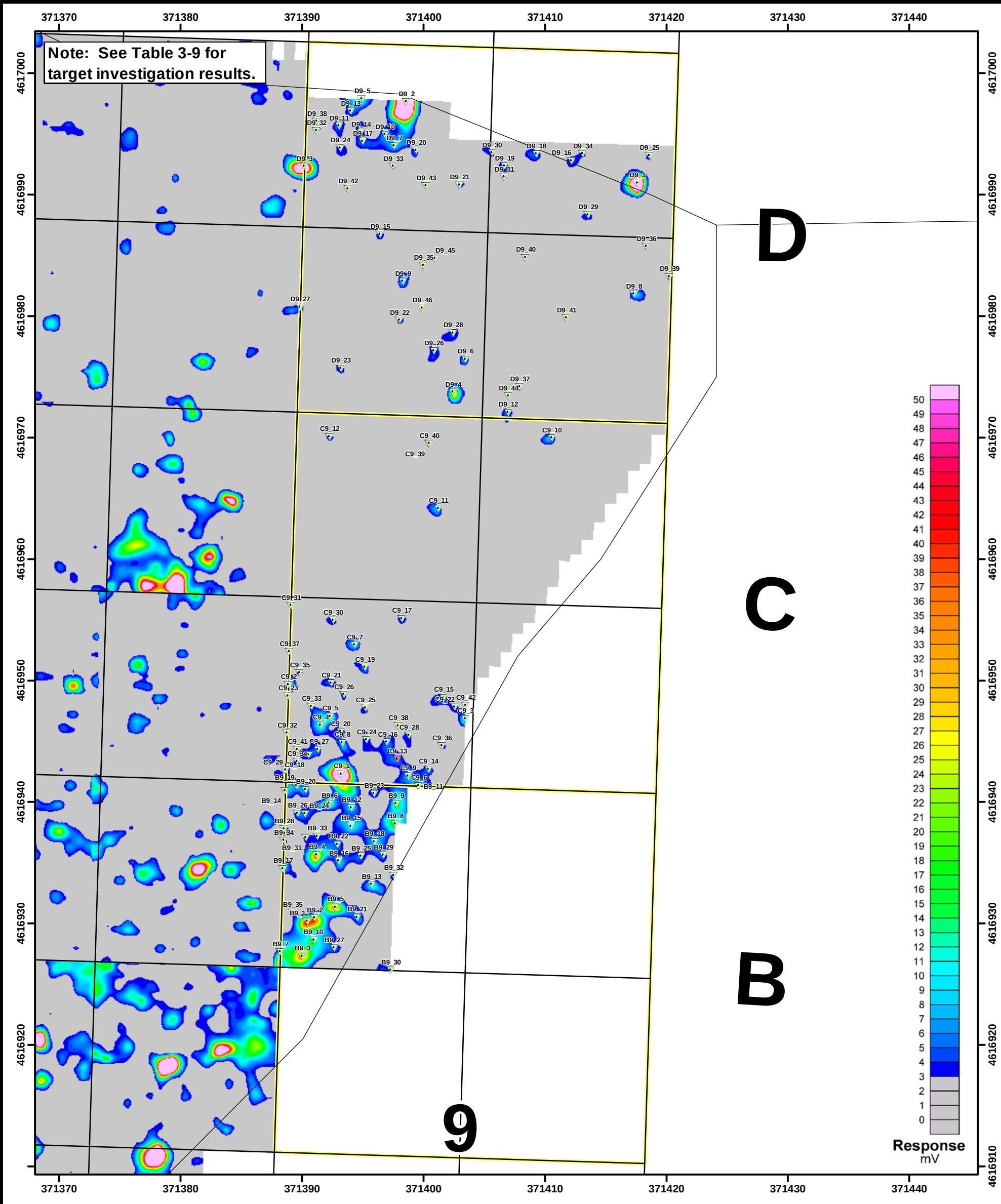
Figure 3-9 P



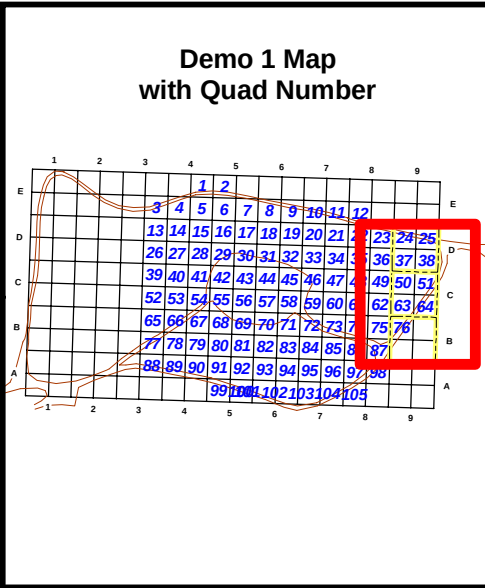
Title:

Demo 1
Final Post Soil Removal
Geophysical Survey
Grids D7, D8, E7 and E8

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.	DACW33-02-D-0003			
Description	Demo 1 Grid Map			
Coordinate system	NAD 1983, UTM, Zone 19 North in meters			
Note	Positional data corrected by Pine Hill Reset LW4668.			
Sources	Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.			
Date	10-OCT-2005	Rev.	Date	App. By
DB	A. Comeau			
CB	S. Gangopadhyay			
AB				



Legend

EM61_Quad_Join
[Total Number of Targets - 123]

- Munitions and Explosives of Concern (1)
- Munitions Debris and Other Debris (122)
- No Find (0)
- Excavation Quads
- Roads
- Grid Boundary
- EM-61 Signal Data with Target IDs

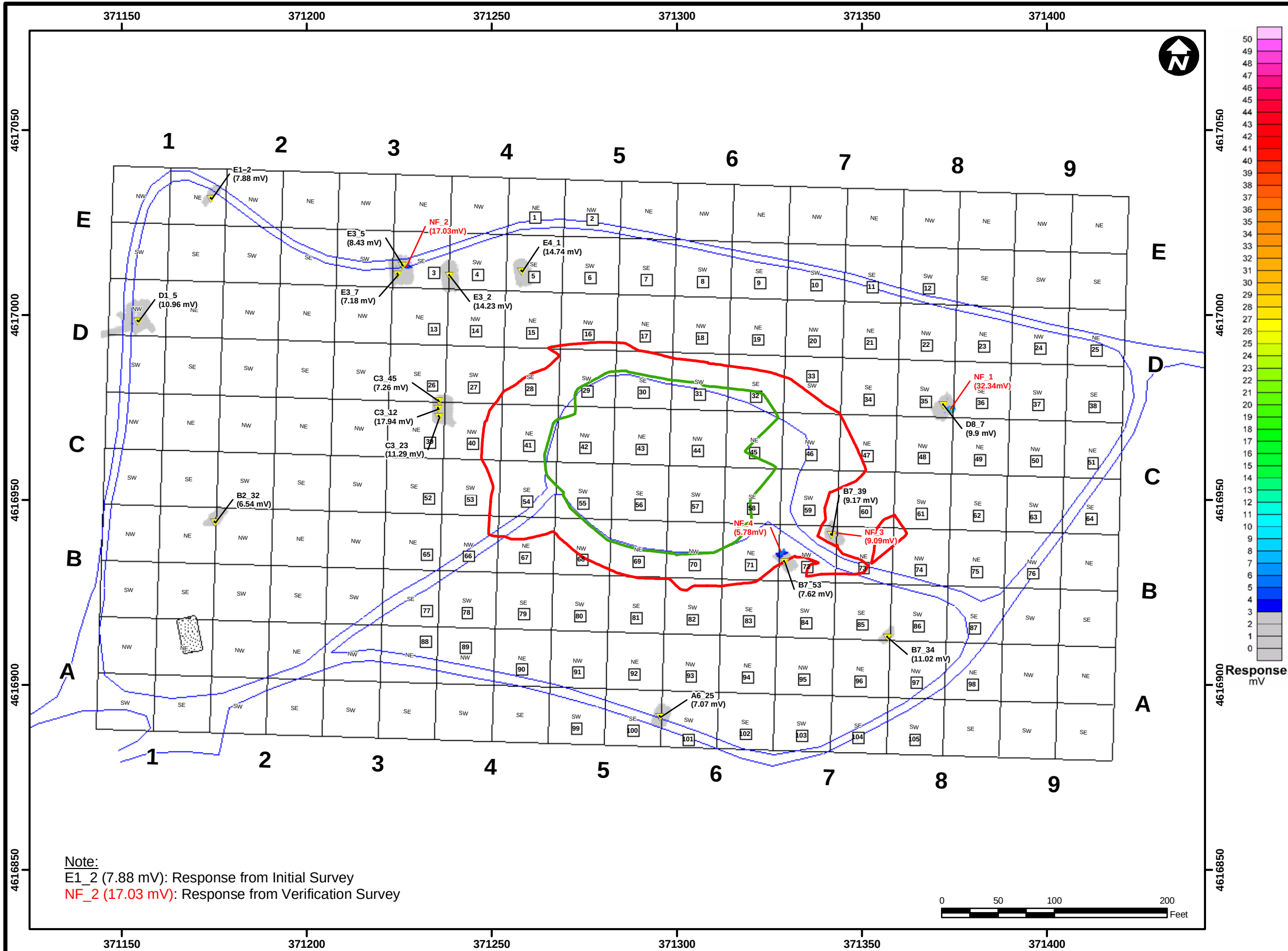
0 5 10 20 30 40 50 Feet

Figure 3-9 Q

Title:

Demo 1
Final Post Soil Removal
Geophysical Survey
Grids B9, C9, and D9

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003		
Description		EM-61 Survey at Demo 1		
Coordinate system		NAD 1983, UTM, Zone 19 North in meters		
Note		Positional data corrected by Pine Hill Reset LW4668.		
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.		
Date	30-NOV-2005	Rev.		Approved By
Drawn By	J. Kim			
Checked By	J. Webster			
Approved By				

Legend

- No Find Items
- Excavation Quads
- Original Road Boundary
- 110 ft topographic contour
- 120 ft topographic contour
- Bunker
- EM-61 Signal Data

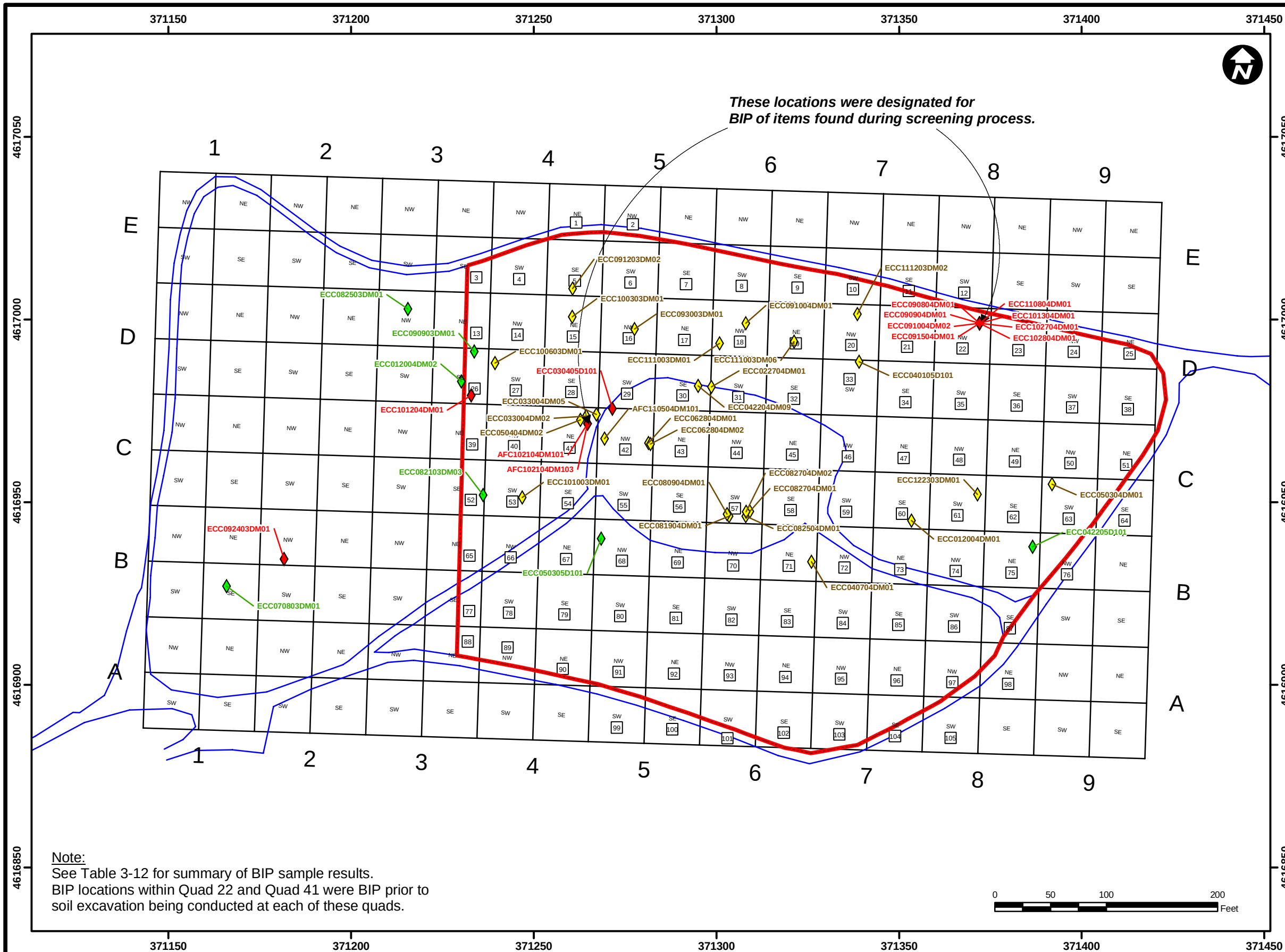
Figure 3-10

Area of Detail

Title:

Demo 1
EM-61 Survey
15 Highest Response (mV)
No Find Targets

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



Contract No.		DACW33-02-D-0003			
Description		Demo 1 BIP Locations			
Coordinate system		NAD 1983, UTM, Zone 19 North in meters			
Note		Positional data corrected by Pine Hill Reset LW4668.			
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.			
Date	30-NOV-2005	Rev.	Date	Approved By	
Drawn By	J. Kim	1	2-JUN-06	S. Gangopadhyay	
Checked By	S. Gangopadhyay	2	9-JAN-09	J. Fein	
Approved By					

Legend

- BIP Location without Post-BIP Sample
- BIP Location with Post-BIP Sample with No Detect
- BIP Location with Post-BIP Sample with Detect
- Excavation Grids
- Original Road Boundary
- Excavation Boundary

Figure 3-11



Title:
**Demo 1
BIP Locations**

**Impact Area
Groundwater Study Program**
Massachusetts Military Reservation
Cape Cod, Massachusetts

TABLES

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
South & East Roads	8	30.06mm cartridge ball	8			
Total	8		8	0	10	20
A-1	20	7.62mm small arms	20			
	8	30.06mm cartridge blank	8			
	7	30.06mm cartridge ball	7			
	1	.50 cal cartridge ball	1			
	1	rifle grenade				
	1	27lbs small arms				
Total	38		36	0	54	32
A-2	3	3.5 rocket motor				
	2	M29 3.5" rocket				
Total	5		0	0	32	36
A-3	0					
Total	0		0	0	23	24
A-4	1	M29 3.5" rocket motor				
	10	30.06mm cartridge ball	10			
	8	30.06mm cartridge AP	8			
	1	30.06mm cartridge blank	1			
	2	30.06mm tracer	2			
	1	5.56mm cartridge blank	1			
	2	7.62mm cartridge blank	2			
Total	25		24	0	90	53
A-5	1	20mm fuze	1			
	1	M29 3.5" practice rkt				
	1	105 projectile (asp)	1			
	39	30.06mm cartridge ball	39			
	6	30.06mm cartridge blank	6			
	8	30.06 AP	8			
	1	5.56mm cartridge blank	1			
Total	57		56	0	80	172
A-6	1	rifle grenade smoke	1			
	1	20mm projectile (HE)	1			
	1	12lb brass				
	1	C4 chunk	1			
	1	CAD	1			
Total	5		4	0	164	319

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
A-7	1	jet perforator	1			
	1	gas generator	1			
	34	30.06mm cartridge ball	34			
	8	30.06mm cartridge blank	8			
	1	rifle grenade				
	1	M65 PTF	1			
		75mm shrappnel round				
	1	6 lbs brass				
	1	105mm smoke canister	1			
	1	40mm grenade	1			
	1	3.5" rocket				
Total	50		47	0	248	491
A-8	0	none				
Total	0		0	0	28	222
B-1	1	1/4lb TNT Demo Charge	1			
	1	20mm projectile (HE)	1			
	1	.50 cal ball	1			
	16	30.06mm cartridge blank	16			
	2	30.06 cartridge ball	2			
	1	15lbs 30.06 brass				
	1	3.5" rocket		1		
Total	23		21	1	40	35
B-2	2	20mm projectile (HE)	2			
	9	3.5" rocket motor				
	4	M29 3.5" rocket				
	1	5.56 small arms	1			
	1	perforator	1			
	20	7.62 small arms	20			
	1	.50 cal ball	1			
	1	M28 3.5" rocket motor		1		
Total	39		25	1	144	112
B-3	2	20mm projectile (HE)	2			
	1	3.5" rocket motor				
	2	M29 3.5" rocket				
	1	5.56mm cartridge blank	1			
	1	.50 cal blank	1			
	8	30.06mm cartridge ball	8			
	1	7.62mm cartridge blank	1			
Total	16		13	0	139	95

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
B-4	1	1lb raw explosive	1			
	7	jet perforators	7			
	7	30.06 cartridge ball	7			
	7	7.62mm cartridge ball	7			
	1	burster tube	1			
Total	23		23	0	351	290
B-5	1	fuze	1			
	1	tracer	1			
	1	practice bomb	1			
	3	jet perforators	3			
	1	.50 cal (HE)	1			
	1	3.5" rocket motor				
	1	unknown projectile				
Total	9		7	0	1393	741
B-6*	6	jet perforators	6			
	1	electric blasting cap	1			
	1	37mm projectile		1		
	3	flash tubes	3			
	1	40mm projectile	1			
	1	grenade	1			
Total	13		12	1	872	985
B-7	1	electric blasting cap	1			
	1	fuze M404	1			
	1	40mm frag ball	1			
	1	jet perforator	1			
	9	Small arms	9			
Total	13		13	0	458	327
B-8	3	electric blasting cap	3			
	3	misc. components	3			
	1	.25lbs raw HE	1			
	8	7.62mm small arms	8			
	1	3.5" practice rocket				
Total	16		15	0	335	279
B-9						
Total	0		0	0	0	0
C-1	1	M83 mortar	1			
	1	20mm projectile (HE)	1			
Total	2		2	0	96	38

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
C-2	1	grenade smoke				
	1	M29 3.5" rocket				
	2	3.5" rocket motor				
Total	4		0	0	70	84
C-3	1	20mm projectile (HE)	1			
	1	initiator	1			
	17	7.62mm blank	17			
	3	.50 cal ball	3			
	4	M29 3.5" rocket				
	1	105mm smoke				
	1	3.5" rocket warhead		1		
	1	M28 3.5" rocket				
	2	3.5" rocket motor				
Total	31		22	1	297	109
C-4	1	8" projectile		1		
	2	Cad aircraft	2			
	1	base fuze	1			
	1	impulse cart	1			
	1	grenade smoke	1			
	7	jet perforators	7			
	1	2.36" rocket motor	1			
	4	3.5" rocket motor				
	1	M29 3.5" rocket practice				
	12	7.62mm cartridge blank	12			
	2	30.06mm cartridge ball	2			
	1	2.36" rocket		1		
	1	BDU 33	1			
	1	counter measure device		1		
	1	60mm mortar		1		
Total	37		28	4	4457	1070

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
C-5*	12	jet perforators	12			
	7	small arms var.	7			
	2	40mm grenade	2			
	3	slap flares part.	3			
	6	unknown suspect items	6			
	1	grenade	1			
	7	MK13 flares	7			
	283	20mm projectiles	283			
	65	small arms	65			
	4	explosive transfer assembly	4			
	3	riot control grenade	3			
	2	fuze grenade	2			
	2	electric blasting caps	2			
	1	fuel booster	1			
	1	flex linear shape charge	1			
	2	unknown flare	2			
	1	75mm projectile	1			
	10104	primers	10104			
	18	prop charge mortar	18			
	2	cads	2			
Total	10526		10526	0	4611	3637
C-6*	1	2.36" rocket	1			
Total	1		1	0	5491	6337
C-7	17	electric blasting caps	17			
	5	misc. components	5			
	5	rocket motors	5			
	2	MK13 flares	2			
	2	jet perforators	2			
	1	.25lb C-4 (HE)	1			
	1	MK 1.5" rocket		1		
Total	33		32	1	244	1179
C-8	1	40mm grenade		1		
	1	.25 demo charge TNT	1			
	1	jet perforator	1			
	1	1-one lb M112 Demo C4	1			
	3	3.5" practice rocket				
Total	7		3	1	267	298

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
C-9	1	3.5" rocket motor				
	1	explosive bolt	1			
	5	7.62mm cartridge ball	5			
	1	30.06mm cartridge ball	1			
	1	40mm grenade		1		
Total	9		7	1	99	50
D-1	1	M29 3.5" rocket				
	5	7.62mm cartridge ball	5			
	8	30.06mm cartridge ball	8			
	1	5.56mm cartridge blank	1			
Total	15		14	0	56	24
D-2	1	20mm projectile	1			
	1	M29 3.5" rocket				
	1	rocket motor	1			
	1	flare	1			
	42	30.06mm cartridge blank	42			
	2	7.62mm cartridge blank	2			
	1	grenade fuze	1			
Total	49		48	0	61	32
D-3	1	M28 3.5" heat rocket		1		
	1	60mm mortar fuze	1			
	1	M25 hand grenade	1			
	18	jet perforators	18			
	1	40mm partial fuze	1			
	6	M29 3.5" practice rocket				
	6	3.5" rocket motor				
	3	30.06mm cartridge ball	3			
	15	30.06mm cartridge blank	15			
	5	7.62mm cartridge ball	5			
	1	7.62mm cartridge blank	1			
	2	.50 cal cartridge ball	2			
	9	jet perforators	9			
	1	hi pressure bottle	1			
	1	3.5" WP rocket		1		
	1	flare partial	1			
	1	20mm projectile	1			
	1	aircraft CAD	1			
	1	M28 heat rocket		1		
	1	1-3.5" rocket				
Total	76		60	3	311	284

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
D-4	9	M29 3.5" practice rocket				
	9	jet perforators	9			
	6	3.5" rocket motor				
	1	155 illum canister				
	7	20mm projectile (HE)	7			
	1	flare partial	1			
	4	M30 3.5" WP rocket				
	1	20mm fuze	1			
	1	CAD MK8	1			
	1	20mm projectile w/cart	1			
	1	40mm rifle grenade		1		
	1	M28 3.5" heat rocket		1		
	9	30.06mm cartridge blank	9			
	17	30.06mm cartridge ball	17			
	2	MM TP				
	1	30mm TP				
Total	71		46	2	1043	1650
D-5	1	57 mm projectile TP		1		
	6	jet perforators	6			
	1	nose fuze PTT	1			
	1	flare partial	1			
	1	tail fuze partial	1			
	1	30mm projectile (HE)	1			
	1	20mm projectile (HE)	1			
	2	M30 3.5" WP rocket				
	8	30.06mm cartridge blank	8			
	1	7.62mm cartridge blank	1			
	3	M29 3.5" practice rocket				
	1	3' flex linear shape charge	1			
	1	2.36" rocket		1		
Total	28		21	2	375	609
D-6	1	40mm projectile HE		1		
	1	fuze detonator	1			
	7	jet perforators	7			
	1	.25 Raw HE	1			
	1	tension release	1			
	1	5" projectile		1		
	4	rocket motor				
	1	electric blasting cap	1			
	1	40mm projectile		1		
Total	18		11	3	211	697

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
D-7	2	flare sections	2			
	4	electric blasting caps	4			
	2	jet perforators	2			
	1	40mm projectile	1			
	1	4" flex linear shape	1			
	1	.25lb bulk HE	1			
	8	misc. components	8			
	12	rocket motor				
	1	3" projectile		1		
Total	32		19	1	213	304
D-8	2	jet perforators	2			
	1	4" slap flare	1			
	1	tension release	1			
	1	cartridge case	1			
	1	rocket motor				
Total	6		5	0	126	104
D-9	1	jet perforator	1			
	1	.25lb TNT	1			
	1	M6 blasting cap	1			
	40	30.06mm cartridge ball	40			
	8	30.06mm cartridge blank	8			
	16	7.62mm cartridge blank	16			
	1	M30 3.5" WP rocket				
	1	40mm grenade	1			
Total	69		68	0	83	133
E-1	1	rifle grenade				
	20	7.62mm cartridge ball	20			
	8	30.06mm cartridge ball	8			
Total	29		28	0	20	12
E-2	1	3.5" rocket motor				
	1	explosive bolt	1			
	5	7.62mm cartridge balls	5			
	1	30.06 cartridge blank	1			
Total	8		7	0	60	17
E-3	15	30.06mm cartridge blank	15			
	1	7.62mm cartridge ball	1			
Total	16		16	0	27	14

TABLE 3-2
Anomaly Clearance Prior to Excavation

Grid/ Location	# of Munitions Recovered	Items	MEC CDC	MEC BIP	MD (lbs)	RRD (lbs)
E-4	1	40mm rifle grenade		1		
	1	20mm projectile (HE)	1			
	1	jet perforator	1			
	1	20mm projectile	1			
	2	M29 3.5" rocket				
	4	3.5" rocket motor				
	1	M30 3.5" WP rocket				
	1	jet perforator	1			
	1	mortar primer	1			
	30	30.06mm cartridge ball	30			
	17	30.06mm cartridge blank	17			
	1	5.56mm cartridge blank	1			
Total	61		53	1	110	168
E-5	1	jet perforator	1			
	1	fuze time M84A1	1			
	4	3.5" rocket motor				
	1	drogue gun partial	1			
	1	explosive bolt	1			
	16	30.06mm cartridge blank	16			
	1	7.62mm cartridge ball	1			
	1	.5lb bulk HE	1			
Total	26		22	0	153	91
E-6	1	M524 fuze	1			
	2	20mm projectile (HE)	2			
	1	mortar primer	1			
	1	M29 3.5" rocket				
	2	3.5" rocket motor				
	10	30.06mm cartridge blank	10			
Total	17		14	0	70	38
E-7	8	30.06mm cartridge blank				
Total	8		8	0	39	20
Cumulative Total	11519		11365	23	23051	21232

ECC

TABLE 3-3
Results of Samples Collected Beneath Munition Items with Exposed HE

Demolition Area 1 Source Area COWR

Location	Sample ID	Date	RDX Result (ug/kg)	Other Explosives Result	Perchlorate Result (ug/kg)	Units
Q-29 Target 15 (Bulk C-4)						
SSD1D5023	ECC032105D103 (post)	3/23/2005	340	HMX - 140	N/A	ug/Kg
SSD1D5023	ECC032105D103-02	4/19/2005	290	HMX - 280	N/A	ug/Kg
SSD1D5023	ECC032105D103-03	6/10/2005	ND	HMX - 130	N/A	ug/Kg
Q-29 Target 28 (Bulk C-4)						
SSD1D5029	ECC053105D101	6/10/2005	ND	Non-Detect on all 19 analytes	ND	ug/Kg
Grid D-2, Flare						
SS333-A	ECC081103DM02	8/29/2003	ND	Non-Detect on all 19 analytes	22000	ug/Kg
SS333-A	SS333-SS1	4/20/2005	NA	NA	ND	ug/Kg
SS333-A	SS333-SS2	4/20/2005	NA	NA	ND	ug/Kg
SS333-A	SS333-SS3	4/20/2005	NA	NA	ND	ug/Kg
SS333-A	SS333-SS4	4/20/2005	NA	NA	ND	ug/Kg
SS333-A	SS333-SS5	4/20/2005	NA	NA	ND	ug/Kg
SS333-A	SS333-SS6	4/20/2005	NA	NA	ND	ug/Kg
SS333-A	SS333-SS7	4/20/2005	NA	NA	ND	ug/Kg
SS333-A	SS333-SS8	4/20/2005	NA	NA	ND	ug/Kg
SS333-A	ECC081103DM02-PE1	11/1/2005	NA	NA	ND	ug/Kg
Grid D-2, Rocket Motor						
SS334-A	ECC081103DM01	8/29/2003	ND	Non-Detect on all 19 analytes	ND	ug/Kg

Notes:

Initial sample at Q-29 Target 15 [ECC032105D103 (post)] collected after removal of bulk C-4 and associated soil
 Subsequent samples at Q-29 Target 15 collected after removal of additional 1-foot lifts of soil
 Initial sample at Q-29 Target 28 [ECC053105D101] collected after removal of bulk C-4 and associated soil
 Initial and supplemental samples at SS333-A collected after removal of motor and associated soils.
 Subsequent sample collected after additional one-foot lift excavation.

N/A - Not Analyzed
 ND - Non Detect

ECC

TABLE 3-4
Excavation Summary

Demolition Area 1 Source Area COWR

Quad #	Post-excavation Confirmation Sample ID	Avg. Excavation depth (ft bgs)	Approx. Excavation Volume (cy)	RDX Results ¹ (µg/kg)	Perchlorate Result ² (µg/kg)	Results (OTHER COC)	Notes
3	E3-SE01	1.0	22	ND	2 (J)	ND all explosive analytes	
4	E4-SW01	1.0	76	ND	ND	ND all explosive analytes	
5	E4-SE01	1.0	102	ND	ND	ND all explosive analytes	Includes Quad 1
6	E5-SW01 (6)	1.0	104	ND	ND	ND all explosive analytes	Includes Quad 2
7	E5-SE01 (7)	1.0	93	ND	ND	ND all explosive analytes	
8	E6-SE01 (8)	1.0	75	ND	ND	ND all explosive analytes	
9	E6-SE01 (9)	1.0	59	ND	ND	ND all explosive analytes	
10	E7-SW01 (10)	1.0	43	ND	ND	ND all explosive analytes	
11	E7-SE01 (11)	1.0	26	ND	ND	ND all explosive analytes	Includes Quad 12
13	D3-NE01	1.0	40	ND	ND	ND all explosive analytes	
14	D4-NW01	1.0	93	ND	ND	ND all explosive analytes	
15	D4-NE01	1.0	93	ND	ND	ND all explosive analytes	
16	D5-NW01	1.0	93	ND	ND	ND all explosive analytes	
17	D5-NE01	1.0	93	ND	ND	ND all explosive analytes	
18	D6-NW01 (18)	1.0	93	ND	ND	ND all explosive analytes	
19	D6-NE01 (19), D6-NE01A (19A), D6-NE01B (19B)	1.0	93	ND	ND	ND all explosive analytes Q19A Pb = 463 mg/kg Q19B Pb = 49 mg/kg	103 tons of soil with high lead content shipped to Model City, NY (Sub-title C landfill)
20	D7-NW01 (20)	1.0	93	ND	ND	ND all explosive analytes	
21	D7-NE01	1.0	93	ND	ND	ND all explosive analytes	
22	D8-NW01	1.0	93	ND	ND	ND all explosive analytes	
23	D8-NE01 (23)	1.0	75	ND	ND	ND all explosive analytes	
24	Q24/25-01	1.0	57	ND	ND	ND all explosive analytes	Includes Quad 25
26	D3-SE01	1.0	93	ND	ND	ND all explosive analytes	
27	D4-SW01	1.0	93	ND	ND	ND all explosive analytes	
28	D4-SE01 (28)	1.5	139	ND	ND	ND all explosive analytes	
28	D4-SE01FD (28)	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
29	D5-SW01 (29)	2.0	N/A	350	N/A	HMX = 340 ug/kg; ND all other explosive compounds	additional lift excavated and area re-sampled
	Q29-02	3.0	N/A	3800	N/A	ND all other explosive analytes	additional 0.5 ft excavated and area re-sampled
	Q29-03	3.5	324	ND	ND	ND all explosive analytes	
30	D5-SE01 (30)	5.0	463	ND	ND	ND all explosive analytes	
31	D6-SW01 (31)	5.0	463	ND	ND	ND all explosive analytes	
32	Q32-01	3.7	340	ND	1.0 J	ND all explosive analytes	
33	D7-SW01 (33)	1.3	123	ND	ND	ND all explosive analytes	

ND = Non Detect
J = Estimated

mg/kg = microgram/kilogram
cy = cubic yards
ft bgs = feet bgs

ECC

TABLE 3-4
Excavation Summary

Demolition Area 1 Source Area COWR

Quad #	Post-excavation Confirmation Sample ID	Avg. Excavation depth (ft bgs)	Approx. Excavation Volume (cy)	RDX Results ¹ (µg/kg)	Perchlorate Result ² (µg/kg)	Results (OTHER COC)	Notes
34	D7-SE01 (34)	1.0	N/A	160	ND	ND all other explosive analytes	additional lift excavated and area re-sampled
	D7-SE02 (34)	2.0	123	ND	ND	ND all explosive analytes	
	D7-SE02 (34)-FD	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
35	D8-SW01 (35)	1.0	93	ND	ND	ND all explosive analytes	
	D8-SW01-FD (35)	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
36	D8-SE01(36)	1.0	93	ND	ND	ND all explosive analytes	
	Q36-02	N/A	N/A	ND	ND	ND all explosive analytes	Re-sampled after use for staging
37	Q37-01	1.0	93	ND	ND	ND all explosive analytes	
38	Q38-01	1.0	93	ND	ND	ND all explosive analytes	
39	C3-NE01	1.0	39	ND	ND	ND all explosive analytes	
	C3-NE01-FD	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
	C3-NE02 (39)	N/A	N/A	ND	ND	ND all explosive analytes	Re-sampled after use for staging
40	C4-NW01 (40)	1.0	N/A	130	4.8	ND all explosive analytes	additional lift excavated and area re-sampled
	C4-NW02 (40)	2.0	185	ND	ND	ND all explosive analytes	
41	Q41-01	2.1	194	ND	1.4J	ND all explosive analytes	
42	Q42-01	8.3	764	ND	0.52J	HMX=120 ug/kg, ND all other explosive compounds	
43	Q43-01	8.3	764	160	1.2 J	HMX=730 ug/kg, ND all other explosive compounds	additional lift excavated and area re-sampled
	Q43-02	9.3	856	ND	ND	ND all explosive compounds	
	Q43-02 FD	N/A	N/A	ND	ND	HMX=760 ug/kg, ND all other explosive compounds	Field Duplicate
44	Q44-01	8.8	810	ND	1.6 J	ND all explosive analytes	
	Q44-01FD	N/A	N/A	ND	1.6 J	ND all explosive analytes	Field Duplicate
45	Q45-01	6.5	602	ND	1.5 J	ND all explosive analytes	

ND = Non Detect
J = Estimated

mg/kg = microgram/kilogram
cy = cubic yards
ft bgs = feet bgs

ECC

TABLE 3-4
Excavation Summary

Demolition Area 1 Source Area COWR

Quad #	Post-excavation Confirmation Sample ID	Avg. Excavation depth (ft bgs)	Approx. Excavation Volume (cy)	RDX Results ¹ (µg/kg)	Perchlorate Result ² (µg/kg)	Results (OTHER COC)	Notes
46	Q46-01	2.0		280	ND	HMX=120 ug/kg, Nitroglycerine = 2600 mg/kg ND all other explosive compounds	additional lift excavated and area re-sampled
	Q46-02	2.5		160	0.82J	ND all explosive analytes	additional lift excavated and area re-sampled
	Q46-03	3.0		210	NA	HMX = 110 ug/kg J ND all other explosive compounds	additional lift excavated and area re-sampled
	Q46-03 FD	N/A	N/A	820	NA	HMX = 190 ug/kg ND all other explosive compounds	Field Duplicate
	Q46-04	3.5	324	ND	ND	ND all explosive analytes	
47	C7-NE01 (47)	1.3		ND	ND	ND all explosive analytes	
	C7-NE02 (47)	N/A	N/A	ND	ND	ND all explosive analytes	Re-sampled after use for staging
48	C8-NW01 (48)	1.0	93	ND	ND	ND all explosive analytes	
49	C8-NE01 (49)	1.0	93	ND	ND	ND all explosive analytes	
	C8-NE01 (49)-FD	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
	Q49-02	N/A	N/A	ND	ND	ND all explosive analytes	Re-sampled after use for staging
50	Q50-01	1.0	93	ND	ND	ND all explosive analytes	
	Q50-01 FD	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
51	Q51/64-01	1.0	90	ND	0.54 J	ND all explosive analytes	Includes Quad 64
52	C3-SE01	1.0	39	ND	ND	ND all explosive analytes	
53	C4-SW01 (53)	1.0	93	ND	ND	ND all explosive analytes	
54	C4-SE01 (54)	2.0		ND	N/A	HMX = 330 ug/kg; ND all other explosive compounds	additional lift excavated and area re-sampled
	Q54	3.0	278	ND	ND	ND all explosive analytes	
55	Q55-01	8.8	810	ND	ND	ND all explosive analytes	
56	Q56-01	8.8	810	ND	ND	ND all explosive analytes	
57	Q57-01	8.8	810	ND	ND	ND all explosive analytes	
58	Q58-01	5.5	509	ND	ND	ND all explosive analytes	
59	Q59-01	1.9	171	ND	ND	ND all explosive analytes	

ND = Non Detect
J = Estimated

mg/kg = microgram/kilogram
cy = cubic yards
ft bgs = feet bgs

ECC

TABLE 3-4
Excavation Summary

Demolition Area 1 Source Area COWR

Quad #	Post-excavation Confirmation Sample ID	Avg. Excavation depth (ft bgs)	Approx. Excavation Volume (cy)	RDX Results ¹ (µg/kg)	Perchlorate Result ² (µg/kg)	Results (OTHER COC)	Notes
60	Q60-01	1.0		300	ND	ND all explosive analytes	Additional 1.5 ft excavated and area re-sampled
	Q60-02	N/A	N/A	420	ND	HMX = 120 ug/kg; ND all other explosive compounds	Pre - characterization sample at 0.5 feet bgs. Soil later excavated
	Q60-03	N/A	N/A	250	ND	ND all explosive analytes	Pre - characterization sample at 1 feet bgs. Soil later excavated
	Q60-04	2.5	231	ND	ND	ND all explosive analytes	Pre - characterization sample at 1.5 feet bgs. Soil not excavated
61	Q61-01	1.0	93	120	1.2J	ND all explosive analytes	
62	Q62-01	1.0		1200	ND	ND all explosive analytes	additional 0.5 ft excavated and area re-sampled
	Q62-02	1.0	93	ND	1.3J	ND all explosive analytes	Sample at 1.5 feet bgs
	Q62-02FD	N/A	N/A	ND	NA	ND all explosive analytes	Field Duplicate
	Q62-03	N/A	N/A	ND	1.9J	ND all explosive analytes	Characterization sample at 2 feet bgs
63	Q63-01	1.0	90	ND	ND	ND all explosive analytes	
65	B3-NE01 (65)	1.0	38	ND	ND	ND all explosive analytes	
66	B4-NW01 (66)	1.0	93	ND	ND	ND all explosive analytes	
	B4NW02 (66)	N/A	N/A	ND	ND	ND all explosive analytes	Re-sampled after use for staging
67	B4-NE01 (67)	1.0	N/A	140	ND	ND all explosive analyte	additional lift excavated and area re-sampled
	B4-NE02 (67)	2.0	N/A	580	ND	HMX = 130 ug/kg; ND all other explosive compounds	additional lift excavated and area re-sampled
	B4-NE03 (67)	3.0	278	ND	ND	ND all explosive analytes	
68	Q68	2.2	N/A	ND	7.2	ND all explosive analytes	additional lift excavated and area re-sampled
	Q68-02	3.2	N/A	320	25	HMX = 140 ug/kg; ND all other explosive compounds	additional lift excavated and area re-sampled
	Q68-03	4.2	386	ND	ND	ND all explosive analytes	
	Q68-03 FD	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
69	Q69	5.0	463	ND	ND	ND all explosive analytes	
70	Q70	5.5	N/A	ND	ND	ND all explosive analytes	additional lift excavated due to presence of anomalies and area re-sampled
	Q70FD	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
	Q70-02	6.0	N/A	420	NA	ND all explosive analytes	additional 0.5 ft excavated and area re-sampled
	Q70-03	6.5	602	ND	ND	ND all explosive analytes	
	Q70-04	N/A	N/A	ND	ND	ND all explosive analytes	Pre-characterization sample at 2 feet bgs

ND = Non Detect
J = Estimated

mg/kg = microgram/kilogram
cy = cubic yards
ft bgs = feet bgs

ECC

TABLE 3-4
Excavation Summary

Demolition Area 1 Source Area COWR

Quad #	Post-excavation Confirmation Sample ID	Avg. Excavation depth (ft bgs)	Approx. Excavation Volume (cy)	RDX Results ¹ (µg/kg)	Perchlorate Result ² (µg/kg)	Results (OTHER COC)	Notes
71	Q71-01	4.0	370	ND	ND	ND all explosive analytes	
72	Q72-01	2.2	201	ND	ND	ND all explosive analytes	
73	Q73-01	1.0	N/A	430	ND	HMX = 300 ug/kg	additional lift excavated and area re-sampled
	Q73-02	N/A	N/A	250	ND	HMX = 260 ug/kg	Pre - characterization sample at 0.5 feet bgs. Soil later excavated
	Q73-03	2.0	185	ND	ND	ND all explosive analytes	
74	Q74-01	1.0	93	ND	ND	ND all explosive analytes	
75	Q75/76-01	1.0	131	ND	ND	ND all explosive analytes	Includes quad 76
	Q75/76-01 FD	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
77	B3-SE01 (77)	2.0	76	ND	ND	ND all explosive analytes	
78	B4-SW01 (78)	1.0	93	ND	2.5 (J)	ND all explosive analytes	
	B4-SW01 FD (78)	N/A	N/A	ND	2.6 (J)	ND all explosive analytes	Field Duplicate
79	B4-SE01 (79)	1.0	93	ND	ND	ND all explosive analytes	
	B4-SE02 (79)	N/A	N/A	ND	ND	ND all explosive analytes	Re-sampled after use for staging
80	B5-SW01 (80)	1.0	N/A	400	ND	HMX = 160 ug/kg; ND all other explosive compounds	additional lift excavated and area re-sampled
	B5-SW01 (80)	2.0	185	ND	ND	ND all explosive analytes	
81	B5-SE01(81)	1.0	93	ND	ND	ND all other explosive analytes	
	Q81	N/A	N/A	180	N/A	ND all other explosive analytes	Re-sampled; additional lift excavated and area re-sampled
	Q81-02	1.8	N/A	1100	0.97	HMX = 180 ug kg; ND all other explosive compounds	additional lift excavated and area re-sampled
	Q81-03	2.3	208	ND	0.49	ND all explosive analytes	
82	B6-SW01(82)	1.0	93	ND	ND	ND all explosive analytes	
	Q82	N/A	N/A	ND	ND	ND all explosive analytes	Re-sampled after use for staging
83	A6-SE01 (83)	1.0	93	ND	1.2 (J)	ND all explosive analytes	
	A6-SE01 (83)FD	N/A	N/A	ND	ND	ND all explosive analytes	Field Duplicate
	Q83	N/A	N/A	ND	ND	ND all explosive analytes	Re-sampled after use for staging
84	B7-SW01(84)	1.0	93	ND	ND	ND all explosive analytes	
85	Q85-01	1.0	93	ND	ND	ND all explosive analytes	
86	Q86-01	1.0	93	ND	ND	ND all explosive analytes	
87	Q87/88-01	1.0	72	ND	ND	ND all explosive analytes	Includes Quad 98
88	A3-NE01 (88)	1.0	21	ND	ND	ND all explosive analytes	
89	A4-NW01 (89)	1.0	62	ND	ND	ND all explosive analytes	
90	A4-NE01 (90)	1.0	78	ND	ND	ND all explosive analytes	

ND = Non Detect
J = Estimated

mg/kg = microgram/kilogram
cy = cubic yards
ft bgs = feet bgs

ECC

TABLE 3-4
Excavation Summary

Demolition Area 1 Source Area COWR

Quad #	Post-excavation Confirmation Sample ID	Avg. Excavation depth (ft bgs)	Approx. Excavation Volume (cy)	RDX Results ¹ (µg/kg)	Perchlorate Result ² (µg/kg)	Results (OTHER COC)	Notes
91	A5-NW01 (91)	1.0		570	ND	ND all explosive analytes	<i>additional lift excavated and area re-sampled (includes Quad 99)</i>
	A5-NW01-FD (91)	N/A	N/A	2500	ND	ND all explosive analytes	<i>Field Duplicate</i>
	A5-NW02 (91)	2.0	192	ND	ND	ND all explosive analytes	
92	A5-NE01(92)	1.0	93	ND	ND	ND all explosive analytes	
93	A5-NW02 (93)	1.0		500	25	ND all explosive analytes	<i>additional lift excavated and area re-sampled</i>
	A5-NW03 (93)	2.0		130	N/A	ND all explosive analytes	<i>additional lift excavated and area re-sampled</i>
	A6-NW01 (93)	3.0	278	ND	ND	ND all explosive analytes	
94	A6-NE01 (94)	1.0	93	ND	ND	ND all explosive analytes	
95	A7-NW01(95)	1.0	93	ND	ND	ND all explosive analytes	
96	Q96-01	1.0	93	ND	ND	ND all explosive analytes	
97	Q97-01	1.0	84	ND	ND	ND all explosive analytes	<i>Includes Quad 105</i>
100	A5-SE01(100)	1.0	32	ND	ND	ND all explosive analytes	
101	A5-SW02 (101)	1.0	62	ND	ND	ND all explosive analytes	
	A6-SW01 (101)	N/A	N/A	ND	ND	ND all explosive analytes	<i>Re-sampled after use for staging</i>
102	A6-SE01 (102)	1.0	93	ND	ND	ND all explosive analytes	
103	A7-SW01 (103)	1.0	93	ND	ND	ND all explosive analytes	
104	Q104-01	1.0	50	ND	ND	ND all explosive analytes	
Notes: RDX: HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE HMX: OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE COC: Contaminant of Concern Pb: Lead Refer to Figure 3-4 for location of quads within the excavation area							
				N/A - Not applicable 1. Project Remediation Goal: 120 ug/kg; ND - Non Detect (<120 ug/kg) 2. Project Remediation Goal: 4 ug/kg; ND - Non Detect (<1 ug/kg)			

ND = Non Detect
J = Estimated

mg/kg = microgram/kilogram
cy = cubic yards
ft bgs = feet bgs

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TABLE 3-5
Burn Pit Summary

Demolition Area 1 Source Area COWR

No.	Quad Number	Burn Pit ID	Date Discovered	Burn Pit Soil Sample ID	Burn Pit Post Excavation Confirmation Sample ID ⁴	Burn Pit Confirmation Sample Date	Approx. Tons	Waste type	Comments
1	42	Q42-BP-001	4/23/2004	Q42-BP-001 (pre)	Q42-BP-001A(post)	8/23/2004	117	Non Hazardous waste ¹	
2	42	Q42-BP-002	7/6/2004	Q42-BP-001(pre)	Q42-BP-002(post)	8/4/2004	19	Hazardous waste ²	Total Lead exceeded 20X TCLP guidelines
3	42	Q42-BP-003	8/4/2004	Q42-BP-003 (pre)	Q42-BP-003(post)	8/6/2004	5	Non Hazardous waste ¹	
4	42	Q42-BP-004	8/24/2004	Q42-BP-004 (pre)	Q42-BP-004(post)	8/30/2004	17	Non Hazardous waste ¹	
5	42	Q42-BP-005	2/17/2005	Q42-BP-0045(pre), Q42-BP-005 (pre)	Q42-BP-005(post)	3/23/2005	68	Non Hazardous waste ¹	
6	43	Q43-BP-001	3/4/2005	Q43-BP-001 (pre)	Q43-BP-001(post)	4/19/2005	23	Non Hazardous waste ¹	
7	44	Q44-BP-001	6/10/2004	Q44-BP-001 (pre)	Q44-BP-001 (post)	6/18/2004	15	Hazardous waste ³	Soil was disposed as hazardous waste due to potential for elemental mercury.
8	45	Q45-BP-001	6/7/2004	Q45-BP-001 (pre)	Q45-01	9/24/2004	4	Non Hazardous waste ¹	Sample collected after quad excavation to ensure removal of COCs
9	45	Q45-BP-002	6/10/2004	Q45-BP-002 (pre)	Q45-01	9/24/2004	5	Hazardous waste ²	Sample collected after quad excavation to ensure removal of COCs/ Lead exceeded TCLP guidelines
10	45	Q45-BP-003	8/5/2004	Q45-BP-003 (pre)	Q45-BP-003 (post)	8/6/2004	5	Non Hazardous waste ¹	
11	45	Q45-BP-004	10/26/2004	Q45-BP-004 (pre)	Q45-BP-004 (post)	11/10/2004	5	Non Hazardous waste ¹	
12	56	Q56-BP-001	5/27/2004	Q56-BP-001 (pre)	Q56-01	6/21/2004	5	Non Hazardous waste ¹	
13	56	Q56-BP-002	6/14/2004	Q56-BP-002 (pre)	Q56-BP-002 (post)	6/21/2004	11	Hazardous waste ²	Lead exceeded TCLP guidelines
14	57	Q57-BP-001	6/4/2004	Not Collected	Q57-BP-001 (post)	6/14/2004	11	Non Hazardous waste ¹	
15	70	Q70-BP-001	5/26/2004	Not Collected	Q70-BP-001 (post)	6/14/2004	10	Non Hazardous waste ¹	
Notes: 1. WM Turnkey Landfill, Rochester NH : Sub Title D Landfill 2. WM Model City: Sub Title C :Landfill 3. Jones Environmental/Stablex, Canada: Hazardous Waste Disposal Facility 4. Burn pit samples collected after all stained soil/MEC/MD/RRD were removed 5. Burn Pit sample results are included in Appendix C-3 (pre) and C-4 (post). Post results for Q45-BP-001, Q45- BP-002 and Q56-BP-001 are in Appendix C-2									

TABLE 3-6
Metallic Items from Screening Operation

MEC Items	MEC CDC (items)	MEC BIP (items)	MD (lbs)	RRD (lbs)
.50 cal tracer	2			
.50 cal. ball	76			
1/4 block C4	2			
12 gauge shot gun shell	1			
14.5" sub cal	2			
14.5" Subcal	2			
14.5mm projectile	1			
2.36" rocket		1		
2.36" rocket body		1		
2.36" rocket motors	2			
2.36" rockets unfuzed	6			
20mm cartridge	1			
20mm cartridge w/primer	20			
20mm primer/cartridge	7			
20mm projectile	2			
20mm projectile W/cartridge	2			
20mm projectile W/cartridge	6			
20mm projectile W/cartridge	1			
20mm projectiles	395			
20mm projectiles	2			
20mm projectiles	713			
25mm projectile W/tracer	1			
30 cal cartridges w/primers	13			
30 cal projectiles w/cartridge	2			
30mm HE, unfuzed	1			
30mm projectile	18			
30mm projectile	7			
37mm projectile	4			
37mm projectile	1	1		
37mm projo w/PD fuze	1			
40mm cartridge w/primer	1			
40mm Casings	2			
40mm grenade	5	5		

TABLE 3-6
Metallic Items from Screening Operation

MEC Items	MEC CDC (items)	MEC BIP (items)	MD (lbs)	RRD (lbs)
40mm grenade base	1			
40mm grenade inert fuze		1		
40mm grenade practice		1		
40mm grenade practice		2		
40mm projectile	1	1		
5.56 blank	1			
5.56 projectiles w/cartridges	26			
5.56 projectiles w/primers	1			
5.56mm ball	2			
50 cal projectile/tracer	401			
50 cal projectile	4			
50 cal projectile	4			
50 cal projectile w/cartridge	1			
57mm projectile fuze	1			
57mm projectile TP	1			
60mm mortar	1			
60mm mortar cone/TNT	2			
60mm mortar/fuzed		12		
60mm mortars/unfuzed	6			
7.62 ball	23			
7.62 blanks	7			
7.62 blanks	3			
7.62 blanks	9			
7.62 cartridge	10			
7.62 cartridges w/primers	49			
7.62 primer	1			
7.62 projectile	1			
7.62 projectile w/cartridge	18			
7.62 projectiles w/tracer	11			
7.62 small arms ammo	1			
75 mm projectiles	2			
artillery primer	1			

TABLE 3-6
Metallic Items from Screening Operation

MEC Items	MEC CDC (items)	MEC BIP (items)	MD (lbs)	RRD (lbs)
base fuze	4			
BDU 33	1			
BDU 33/B practice bomb (5 lbs.)	1			
blasting cap	1			
booster	2			
booster det.	6			
C4	5			
CAD	10			
CAD model unknown	8			
CADS	9			
CADS, Model unk,various	13			
cartridge activated device	2			
cartridge activated device	9			
cartridges w/primers	2			
carts	12			
CCU 44/B CADS	85			
cone with C-4	1			
cuc44/b carts	2			
ejection seat component	1			
electric caps	3			
explosive bolts	23			
explosive cutter	1			
explosive cutter	1			
explosive cutter	2			
explosive transfer tube	1			
fireworks component	1			
firing device	1			
flares	16			
fuze components	341			
fuze components	48			
fuze detonator	3			
fuzes, various	8			
fuzes, various	39			
grenade fuzes	23			
hand grenades w/fuzes	2			

TABLE 3-6
Metallic Items from Screening Operation

MEC Items	MEC CDC (items)	MEC BIP (items)	MD (lbs)	RRD (lbs)
Impulse Cart	3			
impulse cartridges	13			
jet perforators	119			
M1 firing device	1			
M1 firing device	1			
M122 simulators	2			
M18 grenade, smoke	1			
M181A1 14.5mm projectile	1			
M200 5.56mm ctg blank	4			
M22 Simulator	2			
M3 .30 cal ctg grenade	2			
M49 Flare	1			
M524 PD fuze	3			
M525 PD fuze	1			
M6 elec blasting caps	6			
M60 fuze ignitor	2			
M60 ignitor	1			
M65 fuzes	2			
M84 PTT fuze	1			
M9 rifle grenade		1		
M935 PD fuze	1			
misc.component	1			
miscellaneous MEC	3			
MK .50 cal ctg	3			
MK 1 Rocket Warhead w/MK176	1			
PD fuze				
MK 13 flares	13			
MK 13 signal distress	2			
MK1 projectile	1			
MK3 marker	1			
MT Fuze M565		1		
PD fuze	1			
PD fuze model unk	1			
perforators	6			

TABLE 3-6
Metallic Items from Screening Operation

MEC Items	MEC CDC (items)	MEC BIP (items)	MD (lbs)	RRD (lbs)
primer cartridge	1			
primers	18			
primers	5			
projectiles	3			
propellant charge	1			
PTT fuzes	4			
pyro components	5			
pyro components	3			
pyrotechnic cartridge	1			
pyrotechnics	1			
shotgun primers	4			
signal carts	5			
signal flare MK13	6			
small arms	10			
small arms ammo	362			
small arms carts/primers	18			
small arms primers	10			
thermal battery	6			
thermal battery (future off site disposal)	1			
TOTAL	3239	27	8685	5299

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
MW-19D	MW-19D	1/6/1998	S19DBA	1.5	2	S19DBA	MG/KG	0.3592	0.359	2.3	J	57	E/T/BF	Phase 1
BH-28	B-28	8/8/2001	AS019	10	12	AS019	MG/KG	0.2	0.28	2.4		58	E/T/BF	Draft RRA Plan
SS12	12A	10/17/2000	AK815	9	9.25	AK815	MG/KG	0.32	0.326	2.8		30/43	BP/E/O	Draft RRA Plan
BH-28	B-28	8/8/2001	AS018	10	12	AS018	MG/KG	0.2	0.29	2.9		58	E/T/BF	Draft RRA Plan
BH-12	B-12	6/28/2000	AH923	4	5	AH923	MG/KG	0.32	0.328	3.1	J	45	E/T/BF	Draft RRA Plan
BH-17	B-17	6/27/2000	AH999	5	6	AH999	MG/KG	0.301	0.301	3.2		58	E/T/BF	Draft RRA Plan
BH-12	B-12	6/28/2000	AH924	5	6	AH924	MG/KG	0.32	0.332	3.3	J	45	E/T/BF	Draft RRA Plan
SS12AP	12AP	3/27/2002	AZ400	0.5	1	AZ400	MG/KG	0.2	0.2	3.4		95	E/T/BF	Draft RRA Plan
BH-12	B-12	6/28/2000	AH925	5	6	AH925	MG/KG	0.253	0.253	3.6	J	45	E/T/BF	Draft RRA Plan
SS12PP	12PP	10/27/2000	AL278	0	2	AL278	MG/KG	0.32	0.333	3.6		59	E/T/BF	Draft RRA Plan
BH-15	B-15	6/28/2000	AH969	5	6	AH969	MG/KG	0.32	0.341	3.7	J	58	E/T/BF	Draft RRA Plan
BH-16	B-16	6/28/2000	AH982	3	4	AH982	MG/KG	0.2967	0.297	3.7		57	E/T/BF	Draft RRA Plan
SS12SS	12SS	10/27/2000	AL281	0	2	AL281	MG/KG	0.32	0.322	3.8		71	E/T/BF	Draft RRA Plan
BH-17	B-17	6/27/2000	AH998	4	5	AH998	MG/KG	0.32	0.33	3.9		58	E/T/BF	Draft RRA Plan
SS12TT	12TT	9/1/2000	AJ146	0	0.25	AJ146	MG/KG	0.2903	0.29	4		B2-SE	LIP	Draft RRA Plan
SS01643-A	36.2	7/16/2001	TE685	5	5.25	107097-0~1/1	MG/KG	0.2	1	4.05		40	E/T/BF	Draft RRA Plan
BH-26	B-26	8/8/2001	AS010	10	12	AS010	MG/KG	0.2	0.31	4.2		42/55	E/T/BF	Draft RRA Plan
SS01651-A	44.2	7/25/2001	TE732	13	13.25	107151-0~1/1	MG/KG	0.2	1	4.34		42	BP/E/O	Draft RRA Plan
MW-19D	MW-19D	10/23/1997	S19DCA	10	14	S19DCA	MG/KG	0.2859	0.286	4.6		57	E/T/BF	Phase 1
BH-18	B-18	6/27/2000	AI038	5	6	AI038	MG/KG	0.32	0.321	4.8		58	E/T/BF	Draft RRA Plan
BH-28	B-28	8/8/2001	AS016	2	4	AS016	MG/KG	0.2	0.34	4.8		58	E/T/BF	Draft RRA Plan
SSD1045	D1045	8/6/2004	Q45-BP-003 (post)	0	0	581498N1	MG/KG	0.15	0.3	5		104	BP/E/O	COWR
BH-16	B-16	6/28/2000	AH985	5	6	AH985	MG/KG	0.2804	0.28	5.2	J	57	E/T/BF	Draft RRA Plan
BH-28	B-28	8/8/2001	AS015	1	2	AS015	MG/KG	0.2	0.32	5.2		58	E/T/BF	Draft RRA Plan
SS12	12A	10/17/2000	AK819	7	7.25	AK819	MG/KG	0.32	0.338	5.3		30/43	BP/E/O	Draft RRA Plan
CP12F	12F	4/14/1998	B12FBA	1.5	2	B12FBA	MG/KG	3.86	3.86	5.4		B9-SW	LIP	Phase 1
SS12BD	12BD	10/29/2002	BJ743	0.5	1	BJ743	MG/KG	0.21	0.21	5.4		E9-SW	LIP	PSI
BH-12	B-12	6/28/2000	AH922	3	4	AH922	MG/KG	0.3011	0.301	5.6	J	45	E/T/BF	Draft RRA Plan
BH-14	B-14	6/28/2000	AH955	6	7	AH955	MG/KG	0.2909	0.291	5.7		57	E/T/BF	Draft RRA Plan
BH-16	B-16	6/28/2000	AH984	4	5	AH984	MG/KG	0.3014	0.301	5.9	J	57	E/T/BF	Draft RRA Plan
BH-28	B-28	8/8/2001	AS017	6	8	AS017	MG/KG	0.2	0.29	5.9		58	E/T/BF	Draft RRA Plan
BH-15	B-15	6/28/2000	AH968	4	5	AH968	MG/KG	0.32	0.321	6	J	58	E/T/BF	Draft RRA Plan
SS12AG	12AG	3/19/2002	AZ083	0.25	0.5	AZ083	MG/KG	0.19	0.19	6		79	E/T/BF	Draft RRA Plan

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
CP12F	12F	1/21/1998	B12FAA	0	0.5	B12FAA	MG/KG	0.3845	0.385	6.3	J	B9-SW	LIP	Phase 1
SS12	12A	10/17/2000	AK821	7	7.25	AK821	MG/KG	0.32	0.372	6.3		30/43	BP/E/O	Draft RRA Plan
SS12	12A	10/17/2000	AK820	7	7.25	AK820	MG/KG	0.32	0.407	6.4		30/43	BP/E/O	Draft RRA Plan
WP1-A	WP1-A	11/12/2003	B5-Sides	0	2	551777N1	MG/KG	0.17	0.17	6.5		92	E/T/BF	COWR
BH-15	B-15	6/28/2000	AH967	3	4	AH967	MG/KG	0.2935	0.294	6.6	J	58	E/T/BF	Draft RRA Plan
SS12NN	12NN	10/27/2000	AL276	0	2	AL276	MG/KG	0.32	0.338	6.6		73	E/T/BF	Draft RRA Plan
SS12OO	12OO	10/27/2000	AL277	0	2	AL277	MG/KG	0.32	0.38	6.6		73	E/T/BF	Draft RRA Plan
BH-17	B-17	6/27/2000	AH997	3	4	AH997	MG/KG	0.32	0.337	6.8		58	E/T/BF	Draft RRA Plan
SS12	12A	10/17/2000	AK823	7	7.25	AK823	MG/KG	0.3058	0.306	6.8		30/43	BP/E/O	Draft RRA Plan
BH-18	B-18	6/27/2000	AI014	4	5	AI014	MG/KG	0.3017	0.302	6.9		58	E/T/BF	Draft RRA Plan
SS12	12A	10/17/2000	AK816	7	7.25	AK816	MG/KG	0.32	0.411	6.9		30/43	BP/E/O	Draft RRA Plan
SS12TT	12TT	9/1/2000	AJ150	0	0.25	429041	MG/KG	0.3152	0.315	6.9		B2-SE	LIP	Draft RRA Plan
SS01634-A	27	7/12/2001	TE679	2	2.5	107057-0~1/1	MG/KG	0.2	1	7.06		46	E/T/BF	Draft RRA Plan
BH-18	B-18	6/27/2000	AI013	3	4	AI013	MG/KG	0.32	0.4	7.3		58	E/T/BF	Draft RRA Plan
SS12BP	12BP	11/1/2002	BK165	0.5	1	BK165	MG/KG	0.22	0.22	7.3		A9-SW	LIP	PSI
SS12BP	12BP	11/1/2002	BK162	0.25	0.5	BK162	MG/KG	0.25	0.25	7.4		A9-SW	LIP	PSI
SS12AM	12AM	3/25/2002	AZ364	0.5	1	AZ364	MG/KG	0.18	0.18	7.5		33	E/T/BF	Draft RRA Plan
SS12AO	12AO	3/25/2002	AZ388	0.5	1	AZ388	MG/KG	0.18	0.18	7.5		47	E/T/BF	Draft RRA Plan
SS12NN	12NN	10/27/2000	AL275	0	2	AL275	MG/KG	0.2957	0.296	7.6		73	E/T/BF	Draft RRA Plan
SS12BK	12BK	10/31/2002	BK079	0.5	1	BK079	MG/KG	0.21	0.21	7.7		A6-SW (outside)	LIP	PSI
SS12AH	12AH	3/19/2002	AZ099	0.5	1	AZ099	MG/KG	0.16	0.16	7.8		92	E/T/BF	Draft RRA Plan
SS12AG	12AG	3/19/2002	AZ087	0.5	1	AZ087	MG/KG	0.18	0.18	7.9		79	E/T/BF	Draft RRA Plan
SS12BM	12BM	10/31/2002	BK138	0	0.25	BK138	MG/KG	0.22	0.22	7.9		A4-SW (outside)	LIP	PSI
SS01653-A	87.2	7/26/2001	TE726	3	3.25	107144-0~1/1	MG/KG	0.2	1	8.06		26	LIP	Draft RRA Plan
SS01640-A	33.2	7/16/2001	TE683	4	4.25	107097-0~1/1	MG/KG	0.2	1	8.09		81	E/T/BF	Draft RRA Plan
SS12BI	12BI	10/29/2002	BJ857	0.25	0.5	BJ857	MG/KG	0.25	0.25	8.1	J	98	LIP	PSI
SS12BQ	12BQ	10/30/2002	BJ933	0.5	1	BJ933	MG/KG	0.27	0.27	8.1	J	B9-NE (outside)	LIP	PSI
SS12BQ	12BQ	10/30/2002	BJ927	0	0.25	BJ927	MG/KG	0.27	0.27	8.1	J	B9-NE (outside)	LIP	PSI
SS95-A	95-A	7/7/2003	#12BA	0.25	0.5	533149N1	MG/KG	0.17	0.17	8.2		50	E/T/BF	COWR

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS95-A	95-A	7/7/2003	#12CA	0.5	1	533150N1	MG/KG	0.16	0.16	8.2		50	E/T/BF	COWR
SS12BN	12BN	10/31/2002	BK135	0.5	1	BK135	MG/KG	0.23	0.23	8.3		A5-SE (outside)	LIP	PSI
SS12BE	12BE	10/29/2002	BJ752	0.5	1	BJ752	MG/KG	0.26	0.26	8.4		E9-SW	LIP	PSI
SS93-A	93-A	7/7/2003	#10CA	0.5	1	533143N1	MG/KG	0.14	0.14	8.4		36	E/T/BF	COWR
SSD1043	D1043	3/23/2005	Q43-BP-001 (post)	0	0.2	611837N1	MG/KG	0.25	0.283	8.4		43	BP/E/O	COWR
SS12AX	12AX	10/25/2002	BJ659	0.5	1	BJ659	MG/KG	0.27	0.27	8.5		E4-NW (outside)	LIP	Draft RRA Plan
SS15093-A	15093-A	9/17/2003	ECC090903DM01 (post)	0	2	541897N1	MG/KG	0.18	0.18	8.5		26	E/T/BF	COWR
SS12BI	12BI	10/29/2002	BJ860	0.5	1	BJ860	MG/KG	0.26	0.26	8.6	J	98	LIP	PSI
SS12YY	12YY	3/18/2002	AY925	0.5	1	AY925	MG/KG	0.21	0.21	8.6		65	E/T/BF	Draft RRA Plan
SS01633-A	26	7/16/2001	TE681	5	5	107097-0~1/1	MG/KG	0.2	1	8.61		94	E/T/BF	Draft RRA Plan
SS12AQ	12AQ	3/25/2002	AZ412	0.5	1	AZ412	MG/KG	0.19	0.19	8.7		62	E/T/BF	Draft RRA Plan
SS12BK	12BK	10/31/2002	BK076	0.25	0.5	BK076	MG/KG	0.24	0.24	8.7		A6-SW (outside)	LIP	PSI
SS12BT	12BT	10/31/2002	BK061	0.5	1	BK061	MG/KG	0.23	0.23	8.7		A8-SE (outside)	LIP	PSI
SS12AQ	12AQ	3/25/2002	AZ408	0.25	0.5	AZ408	MG/KG	0.19	0.19	8.8		62	E/T/BF	Draft RRA Plan
SS12AT	12AT	3/28/2002	AZ448	0.5	1	AZ448	MG/KG	0.17	0.17	8.8		6	E/T/BF	Draft RRA Plan
SS12BM	12BM	10/31/2002	BK144	0.5	1	BK144	MG/KG	0.25	0.25	8.9		A4-SW (outside)	LIP	PSI
SS12AS	12AS	3/28/2002	AZ436	0.5	1	AZ436	MG/KG	0.17	0.17	9.1		5	E/T/BF	Draft RRA Plan
SS12BT	12BT	10/31/2002	BK055	0.25	0.5	BK055	MG/KG	0.26	0.26	9.2		A8-SE (outside)	LIP	PSI
BH-14	B-14	6/28/2000	AH953	4	5	AH953	MG/KG	0.3013	0.301	9.3		57	E/T/BF	Draft RRA Plan
SS12BO	12BO	11/1/2002	BK153	0.25	0.5	BK153	MG/KG	0.24	0.24	9.3		A7-SE (outside)	LIP	PSI
SS12BS	12BS	10/30/2002	BK049	0.5	1	BK049	MG/KG	0.25	0.25	9.3		105	LIP	PSI
SS12BT	12BT	10/31/2002	BK058	0.25	0.5	BK058	MG/KG	0.24	0.24	9.3		A8-SE (outside)	LIP	PSI
SS01655-A	156.1	7/26/2001	TE760	2	2.25	107144-0~1/1	MG/KG	0.2	1	9.41		D2-SW	LIP	Draft RRA Plan
SS12AO	12AO	3/25/2002	AZ384	0.25	0.5	AZ384	MG/KG	0.2	0.2	9.5		47	E/T/BF	Draft RRA Plan
SS84-A	84A	7/3/2003	#1CA	0.5	1	533094N1	MG/KG	0.13	0.13	9.5		13	E/T/BF	COWR
SS12BU	12BU	11/1/2002	BK067	0.25	0.5	BK067	MG/KG	0.22	0.22	9.6		B2-SE	LIP	PSI

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TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Demolition Area 1 Source Area COWR

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS12BR	12BR	10/29/2002	BJ942	0.5	1	BJ942	MG/KG	0.23	0.23	9.7	J	38 (outside)	LIP	PSI
SS12AQ	12AQ	11/8/2002	BK418	0	2	BK418	MG/KG	0.12	0.12	9.8		62	E/T/BF	Draft RRA Plan
SS12AX	12AX	10/25/2002	BJ656	0.25	0.5	BJ656	MG/KG	0.23	0.23	9.8		E4-NW (outside)	LIP	Draft RRA Plan
SS12BO	12BO	11/1/2002	BK156	0.5	1	BK156	MG/KG	0.22	0.22	9.9		A7-SE (outside)	LIP	PSI
SS85-A	85-A	7/3/2003	#2CA(MS/dup)	0.5	1	533097N1	MG/KG	0.13	0.13	9.9		4	E/T/BF	COWR
SS92-A	92-A	7/7/2003	#9CA	0.5	1	533140N1	MG/KG	0.18	0.18	9.9		22/35	E/T/BF	COWR
SS12AR	12AR	11/6/2002	BJ305	0	2	BJ305	MG/KG	0.13	0.13	10		D1-NE	LIP	Draft RRA Plan
SS12BL	12BL	10/31/2002	BK091	0.5	1	BK091	MG/KG	0.25	0.25	10		A4-SE	LIP	PSI
SS15099-A	15099-A	10/8/2003	ECC092403DM01 (pre)	0	2	544790N1	MG/KG	0.14	0.14	10		B2-NW	LIP	COWR
SS12AP	12AP	3/27/2002	AZ396	0.25	0.5	AZ396	MG/KG	0.21	0.21	10.1		95	E/T/BF	Draft RRA Plan
SS12BL	12BL	10/31/2002	BK088	0.25	0.5	BK088	MG/KG	0.22	0.22	10.2		A4-SE	LIP	PSI
SS12BM	12BM	10/31/2002	BK141	0.25	0.5	BK141	MG/KG	0.24	0.24	10.3		A4-SW (outside)	LIP	PSI
SS12EE	12EE	10/27/2000	AL265	0	2	AL265	MG/KG	0.32	0.372	10.3		32	E/T/BF	Draft RRA Plan
SS12AB	12AB	3/18/2002	AZ021	0.5	1	AZ021	MG/KG	0.2	0.2	10.4		28	E/T/BF	Draft RRA Plan
SS92-A	92-A	7/7/2003	#9BA	0.25	0.5	533139N1	MG/KG	0.17	0.17	10.4		22/35	E/T/BF	COWR
SS15093-A	15093-A	9/17/2003	ECC090903DM01 (pre)	0	2	541895N1	MG/KG	0.16	0.16	10.5		26	E/T/BF	COWR
SS12AH	12AH	3/19/2002	AZ095	0.25	0.5	AZ095	MG/KG	0.19	0.19	10.6		92	E/T/BF	Draft RRA Plan
SS12AV	12AV	3/26/2002	AZ472	0.5	1	AZ472	MG/KG	0.18	0.18	10.6		22	E/T/BF	Draft RRA Plan
SS86-A	86-A	7/3/2003	#3CA	0.5	1	533100N1	MG/KG	0.13	0.13	10.7		15	E/T/BF	COWR
CP12D	12D	3/18/1998	B12DBA	1.5	2	B12DBA	MG/KG	3.86	3.86	10.8		30	E/T/BF	Phase 1
SS12AB	12AB	3/18/2002	AZ017	0.25	0.5	AZ017	MG/KG	0.21	0.21	10.8		28	E/T/BF	Draft RRA Plan
WP1-A	WP1-A	11/12/2003	B5-Bottom	0	2	551776N1	MG/KG	0.15	0.15	10.8		92	E/T/BF	COWR
SS12BD	12BD	10/29/2002	BJ740	0.25	0.5	BJ740	MG/KG	0.23	0.23	10.9		E9-SW	LIP	PSI
SS337-A	337-A	8/29/2003	ECC082103DM03 (post)	0	2	539565N1	MG/KG	0.16	0.16	10.9		52	E/T/BF	COWR
SS12AQ	12AQ	11/8/2002	BJ336	0	2	BJ336	MG/KG	0.14	0.14	11		62	E/T/BF	Draft RRA Plan
BH-27	B-27	8/9/2001	AS025	2	4	AS025	MG/KG	0.2	0.34	11.2		44	E/T/BF	Draft RRA Plan
SS12RR	12RR	10/27/2000	AL280	0	2	AL280	MG/KG	0.32	0.392	11.2		33	E/T/BF	Draft RRA Plan
SS12XX	12XX	3/18/2002	AY909	0.25	0.5	AY909	MG/KG	0.21	0.21	11.2		13	LIP	Draft RRA Plan
SS337-A	337-A	8/29/2003	ECC082103DM03 (post)	0	2	539564N1	MG/KG	0.16	0.16	11.2		52	E/T/BF	COWR
SSDEMO13.5IN-1	DEMO13.5IN-1	3/16/2000	AG507	0	0.25	412242	MG/KG	0.32	0.588	11.3		D3-SW	E/O	Draft RRA Plan

J = Estimated

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS12AB	12AB	3/18/2002	AZ013	0	0.25	AZ013	MG/KG	0.2	0.2	11.5		28	E/T/BF	Draft RRA Plan
SS12BQ	12BQ	10/30/2002	BJ930	0.25	0.5	BJ930	MG/KG	0.24	0.24	11.5	J	B9-NE (outside)	LIP	PSI
SS12BR	12BR	10/29/2002	BJ939	0.25	0.5	BJ939	MG/KG	0.24	0.24	11.5	J	38 (outside)	LIP	PSI
SS12BS	12BS	10/30/2002	BK046	0.25	0.5	BK046	MG/KG	0.28	0.28	11.5		105	LIP	PSI
SS86-A	86-A	7/3/2003	#3BA	0.25	0.5	533099N1	MG/KG	0.15	0.15	11.7		15	E/T/BF	COWR
BH-10	B-10	6/29/2000	AH892	3	4	AH892	MG/KG	0.3166	0.317	11.8	J	44	E/T/BF	Draft RRA Plan
SS12AW	12AW	10/25/2002	BJ650	0.5	1	BJ650	MG/KG	0.24	0.24	11.9		1	LIP	Draft RRA Plan
CP12E	12E	11/13/1997	B12EAA	0	0.5	B12EAA	MG/KG	0.369	0.369	12		32	E/T/BF	Phase 1
SS12AH	12AH	11/7/2002	BJ348	0	2	BJ348	MG/KG	0.12	0.12	12		92	E/T/BF	Draft RRA Plan
SS12AJ	12AJ	3/25/2002	AZ352	0.5	1	AZ352	MG/KG	0.18	0.18	12		83	E/T/BF	Draft RRA Plan
SS12BE	12BE	10/29/2002	BJ749	0.25	0.5	BJ749	MG/KG	0.26	0.26	12		E9-SW	LIP	PSI
SS12BU	12BU	11/1/2002	BK070	0.5	1	BK070	MG/KG	0.22	0.22	12.2		B2-SE	LIP	PSI
SS01647-A	40.2	7/25/2001	TE728	2	2.25	107144-0~1/1	MG/KG	0.2	1	12.5		104	E/T/BF	Draft RRA Plan
SS12AV	12AV	3/26/2002	AZ468	0.25	0.5	AZ468	MG/KG	0.19	0.19	12.5		22	E/T/BF	Draft RRA Plan
SS12II	12II	10/27/2000	AL270	0	2	AL270	MG/KG	0.32	0.361	12.6		28	E/T/BF	Draft RRA Plan
SS12BN	12BN	10/31/2002	BK132	0.25	0.5	BK132	MG/KG	0.25	0.25	12.7		A5-SE (outside)	LIP	PSI
SSDEMO137MM	DEMO137MM	3/6/2000	AG292	0	0.25	411222	MG/KG	0.32	0.508	13	J	29	E/O	Draft RRA Plan
SS12ZZ	12ZZ	3/18/2002	AZ009	0.5	1	AZ009	MG/KG	0.21	0.21	13.2		54	E/T/BF	Draft RRA Plan
SS12XX	12XX	3/18/2002	AY913	0.5	1	AY913	MG/KG	0.22	0.22	13.3		13	LIP	Draft RRA Plan
SSDEMO13.5IN	DEMO13.5IN	3/6/2000	AG294	0	0.25	411224	MG/KG	0.32	0.65	13.3	J	C3-SW	E/O	Draft RRA Plan
SS84-A	84A	7/3/2003	#1BA	0.25	0.5	533093N1	MG/KG	0.13	0.13	13.4		13	E/T/BF	COWR
SS12BT	12BT	10/31/2002	BK052	0	0.25	BK052	MG/KG	0.27	0.27	13.5		A8-SE (outside)	LIP	PSI
SS15093-A	15093-A	9/17/2003	ECC090903DM01 (post)	0	2	541896N1	MG/KG	0.18	0.18	13.8		26	E/T/BF	COWR
SS85-A	85-A	7/3/2003	#2BA	0.25	0.5	533096N1	MG/KG	0.16	0.16	13.9		4	E/T/BF	COWR
CP12E	12E	3/12/1998	B12EBA	1.5	2	B12EBA	MG/KG	3.86	3.86	14.5		32	E/T/BF	Phase 1
SS12BJ	12BJ	10/30/2002	BJ872	0.5	1	BJ872	MG/KG	0.26	0.26	14.7		A7-SE (outside)	LIP	PSI
SSDEMO1_7IN	DEMO1_7IN	9/11/2000	AJ301	0	0.25	429741	MG/KG	0.32	0.34	14.7		93	E/O	Draft RRA Plan

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TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Demolition Area 1 Source Area COWR

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS94-A	94-A	7/7/2003	#11CA	0.5	1	533147N1	MG/KG	0.18	0.18	14.8		49	E/T/BF	COWR
SS336-A	336-A	8/29/2003	ECC082503DM01 (post)	0	2	539567N1	MG/KG	0.16	0.16	14.9		D3-NW	LIP	COWR
SSD1070	D1070	6/14/2004	Q70-BP-001 (post)	0	0	576536N1	MG/KG	0.14	0.272	15		70	BP/E/O	COWR
SS93-A	93-A	7/7/2003	#10BA	0.25	0.5	533142N1	MG/KG	0.18	0.18	15.2		36	E/T/BF	COWR
BH-16	B-16	6/28/2000	AH983	4	5	AH983	MG/KG	0.32	0.347	15.4		57	E/T/BF	Draft RRA Plan
SS01653-A	87.1	7/26/2001	TE761	3	3.25	107144-0~1/1	MG/KG	0.2	1	15.6		26	LIP	Draft RRA Plan
BH-11	B-11	6/29/2000	AH909	4	5	AH909	MG/KG	0.32	0.337	15.7	J	44	E/T/BF	Draft RRA Plan
SS12AJ	12AJ	3/25/2002	AZ348	0.25	0.5	AZ348	MG/KG	0.19	0.19	15.7		83	E/T/BF	Draft RRA Plan
SS88-A	88-A	7/3/2003	#5CA	0.5	1	533106N1	MG/KG	0.13	0.13	15.7		17	E/T/BF	COWR
SS12YY	12YY	3/18/2002	AY921	0.25	0.5	AY921	MG/KG	0.22	0.22	15.8		65	E/T/BF	Draft RRA Plan
SS91-A	91-A	7/3/2003	#8CA	0.5	1	533137N1	MG/KG	0.15	0.15	15.8		21	E/T/BF	COWR
SSD1C5046	D1C5046	10/27/2004	AFC102704DM01 (pre)	0	0.2	595762N1	MG/KG	0.25	0.355	15.9		22	E/T/BF	COWR
SS12ZZ	12ZZ	3/18/2002	AZ005	0.25	0.5	AZ005	MG/KG	0.21	0.21	16.1		54	E/T/BF	Draft RRA Plan
SS12AW	12AW	10/25/2002	BJ647	0.5	1	BJ647	MG/KG	0.24	0.24	16.2		1	LIP	Draft RRA Plan
SS12BK	12BK	10/31/2002	BK073	0	0.25	BK073	MG/KG	0.24	0.24	16.2		A6-SW (outside)	LIP	PSI
SS12BR	12BR	10/29/2002	BJ936	0	0.25	BJ936	MG/KG	0.25	0.25	16.2	J	38 (outside)	LIP	PSI
SS87-A	87-A	7/3/2003	#4CA	0.5	1	533103N1	MG/KG	0.14	0.14	16.2		6	E/T/BF	COWR
SSD1043	D1043	3/23/2005	Q43-BP-001 (pre)	0	0.2	611836N1	MG/KG	0.23	0.295	16.2		43	BP/E/O	COWR
SS12BJ	12BJ	10/30/2002	BJ863	0	0.25	BJ863	MG/KG	0.27	0.27	16.3		A7-SE (outside)	LIP	PSI
SS01651-A	44.1	7/25/2001	TE731	3	3.25	107144-0~1/1	MG/KG	0.2	1	16.4		42	BP/E/O	Draft RRA Plan
SS12BJ	12BJ	10/30/2002	BJ869	0.5	1	BJ869	MG/KG	0.23	0.23	16.4		A7-SE (outside)	LIP	PSI
SS12AD	12AD	3/19/2002	AZ047	0.5	1	AZ047	MG/KG	0.17	0.17	16.5		17	E/T/BF	Draft RRA Plan
SS12AF	12AF	3/19/2002	AZ067	0.25	0.5	AZ067	MG/KG	0.19	0.19	16.8		68	E/T/BF	Draft RRA Plan
SS01643-A	36.1	7/16/2001	TE684	3	4	107097-0~1/1	MG/KG	0.2	1	16.9		40	E/T/BF	Draft RRA Plan
SS337-A	337-A	8/29/2003	ECC082103DM03 (pre)	0	2	539563N1	MG/KG	0.16	0.16	16.9		52	E/T/BF	COWR
SS12AM	12AM	11/7/2002	BJ330	0	2	BJ330	MG/KG	0.1	0.1	17		33	E/T/BF	Draft RRA Plan
SS336-A	336-A	8/29/2003	ECC082503DM01 (post)	0	2	539568N1	MG/KG	0.16	0.16	17		D3-NW	LIP	COWR
SS12AR	12AR	3/26/2002	AZ424	0.5	1	AZ424	MG/KG	0.23	0.23	17.1		D1-NE	LIP	Draft RRA Plan

J = Estimated

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS12BL	12BL	10/31/2002	BK085	0	0.25	BK085	MG/KG	0.21	0.21	17.2		A4-SE	LIP	PSI
SS12AH	12AH	3/19/2002	AZ091	0	0.25	AZ091	MG/KG	0.16	0.16	17.3		92	E/T/BF	Draft RRA Plan
SS12BO	12BO	11/1/2002	BK150	0	0.25	BK150	MG/KG	0.25	0.25	17.3		A7-SE (outside)	LIP	PSI
CP12B	12B	3/25/1998	B12BBA	1.5	2	B12BBA	MG/KG	3.86	3.86	17.5		68	E/T/BF	Phase 1
SS12BI	12BI	10/29/2002	BJ854	0	0.25	BJ854	MG/KG	0.26	0.26	17.6	J	98	LIP	PSI
CP12D	12D	11/13/1997	B12DAA	0	0.5	B12DAA	MG/KG	0.3954	0.395	17.7		30	E/T/BF	Phase 1
SS12AB	12AB	11/6/2002	BJ311	0	2	BJ311	MG/KG	0.12	0.12	18		28	E/T/BF	Draft RRA Plan
SS12AQ	12AQ	3/25/2002	AZ404	0	0.25	AZ404	MG/KG	0.2	0.2	18		62	E/T/BF	Draft RRA Plan
SS12BB	12BB	11/7/2002	BJ342	0	2	BJ342	MG/KG	0.11	0.11	18		82	LIP	PSI
SSD1042	D1042	3/23/2005	Q42-BP-005 (post)	0	0.2	611838N1	MG/KG	0.22	0.288	18.2		42	BP/E/O	COWR
SS12AT	12AT	3/28/2002	AZ444	0.25	0.5	AZ444	MG/KG	0.19	0.19	18.7		6	E/T/BF	Draft RRA Plan
SS12AG	12AG	3/19/2002	AZ079	0	0.25	AZ079	MG/KG	0.19	0.19	19		79	E/T/BF	Draft RRA Plan
SS12AR	12AR	3/26/2002	AZ420	0.25	0.5	AZ420	MG/KG	0.22	0.22	19		D1-NE	LIP	Draft RRA Plan
SS12HH	12HH	10/27/2000	AL269	0	2	AL269	MG/KG	0.32	0.362	19		30	E/T/BF	Draft RRA Plan
SS12BJ	12BJ	10/30/2002	BJ866	0.25	0.5	BJ866	MG/KG	0.24	0.24	19.1		A7-SE (outside)	LIP	PSI
SS12LL	12LL	10/27/2000	AL273	0	2	AL273	MG/KG	0.32	0.363	19.2		57/70	E/T/BF	Draft RRA Plan
SS12AF	12AF	3/19/2002	AZ071	0.5	1	AZ071	MG/KG	0.19	0.19	20.1		68	E/T/BF	Draft RRA Plan
SS12AJ	12AJ	3/25/2002	AZ344	0	0.25	AZ344	MG/KG	0.19	0.19	20.1		83	E/T/BF	Draft RRA Plan
SSD1CS001	D1CS001	9/14/2004	ECC082504DM01 (pre)	0	0.2	586030N1	MG/KG	0.15	0.295	20.2		57	BP/E/O	COWR
SSD1042	D1042	6/14/2004	Q42-BP-001 (post)	0	0	576535N1	MG/KG	0.12	0.245	20.7		42	BP/E/O	COWR
SS12BS	12BS	10/30/2002	BK043	0	0.25	BK043	MG/KG	0.24	0.24	20.9		105	LIP	PSI
SS89-A	89-A	7/3/2003	#6CA	0.5	1	533110N1	MG/KG	0.14	0.14	21		8	E/T/BF	COWR
SS01640-A	33.1	7/16/2001	TE682	2	3	107097-0~1/1	MG/KG	0.2	1	21.6		81	E/T/BF	Draft RRA Plan
SS12QQ	12QQ	10/27/2000	AL279	0	2	AL279	MG/KG	0.32	0.363	21.9		70	E/T/BF	Draft RRA Plan
SS12AF	12AF	3/19/2002	AZ075	0.5	1	AZ075	MG/KG	0.19	0.19	22.1		68	E/T/BF	Draft RRA Plan
SSDEMO13.5IN-2	DEMO13.5 IN-2	3/16/2000	AG509	0	0.25	412244	MG/KG	0.32	0.611	22.1		D3-SW	E/O	Draft RRA Plan
SS12AZ	12AZ	10/28/2002	BJ674	0.25	0.5	BJ674	MG/KG	0.26	0.26	22.4		E6-NW (outside)	LIP	Draft RRA Plan
SS12GG	12GG	10/27/2000	AL268	0	2	AL268	MG/KG	0.32	0.341	22.4		31	E/T/BF	Draft RRA Plan
SSD1B4005	D1B4005	5/5/2005	ECC050305D101 (post)	0	0.2	619096N1	MG/KG	0.27	0.276	22.7		68	E/T/BF	COWR

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TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Demolition Area 1 Source Area COWR

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SSDEMO3.5IN	DEMO3.5IN	1/24/2000	AF349	0	0.25	408164	MG/KG	0.2969	0.297	22.7		89	E/O	Draft RRA Plan
SS12BN	12BN	10/31/2002	BK129	0	0.25	BK129	MG/KG	0.28	0.28	22.9		A5-SE (outside)	LIP	PSI
BH-13	B-13	6/28/2000	AH937	3	4	AH937	MG/KG	0.32	0.37	23.4		57	E/T/BF	Draft RRA Plan
SS12AF	12AF	3/19/2002	AZ063	0	0.25	AZ063	MG/KG	0.19	0.19	23.4		68	E/T/BF	Draft RRA Plan
SSD1042	D1042	8/23/2004	Q42-BP-001a (post)	0	0	583576N1	MG/KG	0.16	0.326	23.5		42	BP/E/O	COWR
SS12BH	12BH	10/29/2002	BJ845	0	0.25	BJ845	MG/KG	0.27	0.27	23.6	J	B9-NE	LIP	PSI
SS12AW	12AW	10/25/2002	BJ644	0.25	0.5	BJ644	MG/KG	0.25	0.25	24		1	LIP	Draft RRA Plan
SS12AR	12AR	3/26/2002	AZ416	0	0.25	AZ416	MG/KG	0.22	0.22	24.1		D1-NE	LIP	Draft RRA Plan
SS94-A	94-A	7/7/2003	#11BA	0.25	0.5	533146N1	MG/KG	0.18	0.18	24.4		49	E/T/BF	COWR
SSD1B8006	D1B8006	4/28/2005	ECC042205D101 (pre)	0	0.2	617659N1	MG/KG	0.4	0.411	24.7		74	E/T/BF	COWR
BH-11	B-11	6/29/2000	AH910	5	6	AH910	MG/KG	0.3076	0.308	25	J	44	E/T/BF	Draft RRA Plan
SS12AO	12AO	3/25/2002	AZ380	0	0.25	AZ380	MG/KG	0.21	0.21	25.5		47	E/T/BF	Draft RRA Plan
BH-26	B-26	8/8/2001	AS009	6	8	AS009	MG/KG	0.2	0.33	25.6		42/55	E/T/BF	Draft RRA Plan
SS12BP	12BP	11/1/2002	BK159	0	0.25	BK159	MG/KG	0.27	0.27	25.6		A9-SW	LIP	PSI
SSD1D3032	D1D3032	10/14/2004	ECC101204DM01 (post)	0	0.2	591942N1	MG/KG	0.14	0.349	25.6		26	LIP	COWR
SS12AI	12AI	3/19/2002	AZ111	0.5	1	AZ111	MG/KG	0.17	0.17	26		81/82	E/T/BF	Draft RRA Plan
SS12Y	12Y	11/7/2002	BJ318	0	2	BJ318	MG/KG	0.12	0.12	26		30/43	BP/E/O	Draft RRA Plan
SS334-A	334-A	8/29/2003	ECC081103DM01	0	2	539569N1	MG/KG	0.15	0.15	26.1		D2-SE	LIP	COWR
SS336-A	336-A	8/29/2003	ECC082503DM01 (pre)	0	2	539566N1	MG/KG	0.17	0.17	26.8		D3-NW	LIP	COWR
SSD1B4005	D1B4005	5/5/2005	ECC050305D101 (pre)	0	0.2	619095N1	MG/KG	0.26	0.271	27.1		68	E/T/BF	COWR
SS12BL	12BL	10/31/2002	BK082	0	0.25	BK082	MG/KG	0.24	0.24	27.4		A4-SE	LIP	PSI
SS12AX	12AX	10/25/2002	BJ653	0	0.25	BJ653	MG/KG	0.27	0.27	28.1		E4-NW (outside)	LIP	Draft RRA Plan
SS12BD	12BD	10/29/2002	BJ737	0	0.25	BJ737	MG/KG	0.22	0.22	28.2		E9-SW	LIP	PSI
SS12GG	12GG	10/27/2000	AL267	0	2	AL267	MG/KG	0.32	0.367	28.4		31	E/T/BF	Draft RRA Plan
CP12C	12C	3/25/1998	B12CBA	1.5	2	B12CBA	MG/KG	3.86	3.86	28.7		42	E/T/BF	Phase 1
SS85-A	85-A	7/3/2003	#2AA	0	0.25	533394N1	UG/L	1.3	1.3	28.8		4	E/T/BF	COWR
BH-14	B-14	6/28/2000	AH952	3	4	AH952	MG/KG	0.32	0.414	29		57	E/T/BF	Draft RRA Plan
SS12AM	12AM	3/25/2002	AZ360	0.25	0.5	AZ360	MG/KG	0.18	0.18	29.5		33	E/T/BF	Draft RRA Plan
SS12BG	12BG	10/29/2002	BJ828	0.25	0.5	BJ828	MG/KG	0.27	0.27	29.6		38 (outside)	LIP	PSI
SS12BH	12BH	10/29/2002	BJ848	0.25	0.5	BJ848	MG/KG	0.27	0.27	29.6	J	B9-NE	LIP	PSI

J = Estimated

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS12ZZ	12ZZ	3/18/2002	AZ001	0	0.25	AZ001	MG/KG	0.2	0.2	29.7		54	E/T/BF	Draft RRA Plan
SSD1D5022	D1D5022	3/10/2005	ECC030405D101 (pre)	0	0.2	610591N1	MG/KG	0.29	0.374	30.4		29/42	E/T/BF	COWR
SS12BH	12BH	10/29/2002	BJ851	0.5	1	BJ851	MG/KG	0.25	0.25	30.6	J	B9-NE	LIP	PSI
SS12AI	12AI	3/19/2002	AZ103	0	0.25	AZ103	MG/KG	0.17	0.17	30.7		81/82	E/T/BF	Draft RRA Plan
SS12AI	12AI	3/19/2002	AZ107	0.25	0.5	AZ107	MG/KG	0.2	0.2	30.7		81/82	E/T/BF	Draft RRA Plan
SSD1042	D1042	8/30/2004	Q42-BP-004 (post)	0	0	584136N1	MG/KG	0.13	0.262	30.7		42	BP/E/O	COWR
BH-14	B-14	6/28/2000	AH954	5	6	AH954	MG/KG	0.32	0.35	31.3		57	E/T/BF	Draft RRA Plan
SS95-A	95-A	7/7/2003	#12AA	0	0.25	533148N1	MG/KG	0.19	0.19	31.5		50	E/T/BF	COWR
SS12BU	12BU	11/1/2002	BK064	0	0.25	BK064	MG/KG	0.23	0.23	31.8		B2-SE	LIP	PSI
SS12BC	12BC	10/28/2002	BJ731	0.25	0.5	BJ731	MG/KG	0.25	0.25	32		E7-NE	LIP	PSI
SS12BG	12BG	10/29/2002	BJ825	0.25	0.5	BJ825	MG/KG	0.25	0.25	32.1		38 (outside)	LIP	PSI
SS12TT	12TT	9/1/2000	AJ151	0	0.25	429042	MG/KG	0.32	0.432	32.4		B2-SE	LIP	Draft RRA Plan
SS12MM	12MM	10/27/2000	AL274	0	2	AL274	MG/KG	0.32	0.343	32.8		71	E/T/BF	Draft RRA Plan
SS12AP	12AP	3/27/2002	AZ392	0	0.25	AZ392	MG/KG	0.23	0.23	33.2		95	E/T/BF	Draft RRA Plan
BH-13	B-13	6/28/2000	AH941	6	7	AH941	MG/KG	0.32	0.322	33.4		57	E/T/BF	Draft RRA Plan
SS90-A	90-A	7/3/2003	#7CA	0.5	1	533133FD1	MG/KG	0.16	0.16	33.7		19	E/T/BF	COWR
BH-13	B-13	6/28/2000	AH940	6	7	AH940	MG/KG	0.32	0.381	34		57	E/T/BF	Draft RRA Plan
SS12TT	12TT	9/1/2000	AJ147	0	0.25	AJ147	MG/KG	0.32	0.405	34.1		B2-SE	LIP	Draft RRA Plan
BH-13	B-13	6/28/2000	AH938	4	5	AH938	MG/KG	0.32	0.364	34.5		57	E/T/BF	Draft RRA Plan
SS12BO	12BO	11/1/2002	BK147	0	0.25	BK147	MG/KG	0.27	0.27	34.6		A7-SE (outside)	LIP	PSI
SS88-A	88-A	7/3/2003	#5BA	0.25	0.5	533105N1	MG/KG	0.14	0.14	34.6		17	E/T/BF	COWR
BH-26	B-26	8/8/2001	AS008	2	4	AS008	MG/KG	0.2	0.39	35.2		42/55	E/T/BF	Draft RRA Plan
SS12FF	12FF	10/27/2000	AL266	0	2	AL266	MG/KG	0.32	0.362	35.2		31	E/T/BF	Draft RRA Plan
SSD1PB041	D1PB041	5/31/2005	Q41PB_053105	0	0	623082N1	MG/KG	0.3	0.307	35.6		41	E/T/BF	COWR
SSD1042	D1042	8/23/2004	Q42-BP-004 (pre)	0	0	583577N1	MG/KG	0.13	0.268	36.4		42	BP/E/O	COWR
CP12A	12A	3/25/1998	B12ABA	1.5	2	B12ABA	MG/KG	3.86	3.86	37.6		70	E/T/BF	Phase 1
SS12XX	12XX	3/18/2002	AY905	0	0.25	AY905	MG/KG	0.22	0.22	38		13	LIP	Draft RRA Plan
CP12C	12C	2/4/1998	B12CAA	0	0.5	B12CAA	MG/KG	0.4291	0.429	38.5		42	E/T/BF	Phase 1
SS87-A	87-A	7/3/2003	#4BA	0.25	0.5	533102N1	MG/KG	0.17	0.17	38.5		6	E/T/BF	COWR
SS93-A	93-A	7/7/2003	#10AA	0	0.25	533141N1	MG/KG	0.19	0.19	38.5		36	E/T/BF	COWR
SS12BC	12BC	10/28/2002	BJ734	0.5	1	BJ734	MG/KG	0.26	0.26	38.9		E7-NE	LIP	PSI
BH-27	B-27	8/9/2001	AS027	10	12	AS027	MG/KG	0.2	0.32	39.6		44	E/T/BF	Draft RRA Plan
BH-13	B-13	6/28/2000	AH939	5	6	AH939	MG/KG	0.32	0.387	40.4		57	E/T/BF	Draft RRA Plan
BH-27	B-27	8/9/2001	AS024	1	2	AS024	MG/KG	0.2	0.31	40.5		44	E/T/BF	Draft RRA Plan

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS84-A	84A	7/3/2003	#1AA	0	0.25	533092N1	MG/KG	0.15	0.15	40.9		13	E/T/BF	COWR
SS91-A	91-A	7/3/2003	#8BA	0.25	0.5	533136N1	MG/KG	0.17	0.17	41.8		21	E/T/BF	COWR
BH-11	B-11	6/29/2000	AH908	3	4	AH908	MG/KG	0.2925	0.293	41.9	J	44	E/T/BF	Draft RRA Plan
SS12AW	12AW	10/25/2002	BJ641	0	0.25	BJ641	MG/KG	0.25	0.25	45.3		1	LIP	Draft RRA Plan
CP12B	12B	2/4/1998	B12BAA	0	0.5	B12BAA	MG/KG	0.4176	0.418	45.4		68	E/T/BF	Phase 1
SS12KK	12KK	10/27/2000	AL272	0	2	AL272	MG/KG	0.32	0.373	45.6		55/56	E/T/BF	Draft RRA Plan
SS12AC	12AC	3/19/2002	AZ033	0.5	1	AZ033	MG/KG	0.16	0.16	47.3		7	E/T/BF	Draft RRA Plan
SS333-A	333-A	8/29/2003	ECC081103DM02	0	2	539570N1	MG/KG	0.17	0.17	48.1		D2-NW	LIP	COWR
SS12BG	12BG	10/29/2002	BJ831	0.5	1	BJ831	MG/KG	0.25	0.25	48.6		38 (outside)	LIP	PSI
SSD1019	D1019	2/26/2004	D6-NE01B (19B)	0	0.5	562045N1	MG/KG	0.16	0.16	48.7		19	E/T/BF	COWR
BH-11	B-11	6/29/2000	AH907	3	4	AH907	MG/KG	0.32	0.325	49.9	J	44	E/T/BF	Draft RRA Plan
MW-19D	MW-19D	8/21/1997	S19DAA	0	0.5	S19DAA	MG/KG	0.43	0.43	51		57	E/T/BF	Phase 1
SSD1D5022	D1D5022	3/10/2005	ECC030405D101 (post)	0	0.2	610592N1	MG/KG	0.24	0.308	51.2		42	BP/E/O	COWR
SSD1056	D1056	6/21/2004	Q56-BP-001 (post)	0	0	576542N1	MG/KG	0.16	0.318	52.1		56	BP/E/O	COWR
BH-27	B-27	8/9/2001	AS026	6	8	AS026	MG/KG	0.2	0.36	53.1		44	E/T/BF	Draft RRA Plan
BH-26	B-26	8/8/2001	AS007	1	2	AS007	MG/KG	0.2	0.35	53.5		42/55	E/T/BF	Draft RRA Plan
SS12AY	12AY	10/25/2002	BJ668	0.5	1	BJ668	MG/KG	0.22	0.22	53.5		E6-NW	LIP	Draft RRA Plan
SS89-A	89-A	7/3/2003	#6BA	0.25	0.5	533109N1	MG/KG	0.15	0.15	53.6		8	E/T/BF	COWR
SS12AZ	12AZ	10/28/2002	BJ671	0	0.25	BJ671	MG/KG	0.25	0.25	59.2		E6-NW (outside)	LIP	Draft RRA Plan
SS12AZ	12AZ	10/28/2002	BJ677	0.5	1	BJ677	MG/KG	0.28	0.28	61		E6-NW (outside)	LIP	Draft RRA Plan
SS12YY	12YY	3/18/2002	AY917	0	0.25	AY917	MG/KG	0.21	0.21	61.2		65	E/T/BF	Draft RRA Plan
SS94-A	94-A	7/7/2003	#11AA	0	0.25	533145FD1	MG/KG	0.18	0.18	64		49	E/T/BF	COWR
SSD1042	D1042	8/6/2004	Q42-BP-003 (post)	0	0	581496N1	MG/KG	0.17	0.348	65.2		42	BP/E/O	COWR
MW-19D	MW-19D	8/21/1997	S19DAD	0	0.5	S19DAD	MG/KG	0.3478	0.348	65.7		57	E/T/BF	Phase 1
SS12BA	12BA	10/28/2002	BJ722	0.25	0.5	BJ722	MG/KG	0.2	0.2	65.8		11	LIP	PSI
SS12AV	12AV	3/26/2002	AZ464	0	0.25	AZ464	MG/KG	0.2	0.2	67.7		22	E/T/BF	Draft RRA Plan
SS12BE	12BE	10/29/2002	BJ746	0	0.25	BJ746	MG/KG	0.29	0.29	70.5		E9-SW	LIP	PSI
SSD1044	D1044	6/18/2004	Q44-BP-001 (post)	0	0	576538N1	MG/KG	0.16	0.322	72.1		44	BP/E/O	COWR
SS15099-A	15099-A	10/8/2003	ECC092403DM01 (post)	0	2	544791N1	MG/KG	0.14	0.14	75.3		B2-NW	LIP	COWR
SS92-A	92-A	7/7/2003	#9AA	0	0.25	533138N1	MG/KG	0.19	0.19	78		22/35	E/T/BF	COWR
SS12AM	12AM	3/25/2002	AZ356	0	0.25	AZ356	MG/KG	0.19	0.19	78.7		33	E/T/BF	Draft RRA Plan
BH-10	B-10	6/29/2000	AH894	5	6	AH894	MG/KG	0.32	0.329	80.1	J	44	E/T/BF	Draft RRA Plan

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS12AC	12AC	3/19/2002	AZ029	0.25	0.5	AZ029	MG/KG	0.18	0.18	80.3		7	E/T/BF	Draft RRA Plan
SSD1D3032	D1D3032	10/13/2004	ECC101204DM01 (pre)	0	0.2	591934N1	MG/KG	0.15	0.375	82.3		26	BP/E/O	COWR
SS12BA	12BA	10/28/2002	BJ725	0.5	1	BJ725	MG/KG	0.21	0.21	86.3		11	LIP	PSI
SS286-A	286-A	7/25/2003	ECC070803DM01(pre)	0	2	536085N1	MG/KG	0.16	0.16	86.6		B1-SE	LIP	COWR
SS94-A	94-A	7/7/2003	#11AA	0	0.25	533144N1	MG/KG	0.17	0.17	89.5		49	E/T/BF	COWR
SSD1PB022	D1PB022	5/31/2005	Q22PB_053105	0	0	623083N1	MG/KG	0.26	0.268	91.1	J	22	E/T/BF	COWR
SS12AN	12AN	3/26/2002	AZ376	0.5	1	AZ376	MG/KG	0.17	0.17	92.4		21	E/T/BF	Draft RRA Plan
SS12AU	12AU	11/8/2002	BJ324	0	2	BJ324	MG/KG	0.11	0.11	98		19	E/O	Draft RRA Plan
SSD1B8006	D1B8006	4/28/2005	ECC042205D101 (post)	0	0.2	617660N1	MG/KG	0.33	0.342	98		74	E/T/BF	COWR
SS12AY	12AY	10/25/2002	BJ665	0.25	0.5	BJ665	MG/KG	0.25	0.25	98.7		E6-NW	LIP	Draft RRA Plan
SS12AS	12AS	3/28/2002	AZ432	0.25	0.5	AZ432	MG/KG	0.19	0.19	105		5	E/T/BF	Draft RRA Plan
SS15099-A	15099-A	10/8/2003	ECC092403DM01 (post)	0	2	544792N1	MG/KG	0.14	0.14	109		B2-NW	LIP	COWR
SS86-A	86-A	7/3/2003	#3AA	0	0.25	533098N1	MG/KG	0.17	0.17	113		15	E/T/BF	COWR
SS12	12A	10/17/2000	AK817	7	7.25	AK817	MG/KG	0.32	0.526	118		30/43	BP/E/O	Draft RRA Plan
BH-10	B-10	6/29/2000	AH893	4	5	AH893	MG/KG	0.32	0.42	125	J	44	E/T/BF	Draft RRA Plan
CP12A	12A	1/20/1998	B12AAA	0	0.5	B12AAA	MG/KG	0.2933	0.293	142	J	70	E/T/BF	Phase 1
SS12BF	12BF	10/29/2002	BJ819	0.5	1	BJ819	MG/KG	0.25	0.25	168		38	E/T/BF	PSI
SS12JJ	12JJ	10/27/2000	AL271	0	2	AL271	MG/KG	0.32	0.39	176		56	E/T/BF	Draft RRA Plan
SS12BG	12BG	10/29/2002	BJ822	0	0.25	BJ822	MG/KG	0.28	0.28	179		38 (outside)	LIP	PSI
SS12AD	12AD	3/19/2002	AZ043	0.25	0.5	AZ043	MG/KG	0.2	0.2	203		17	E/T/BF	Draft RRA Plan
SS286-A	286-A	7/25/2003	ECC070803DM01	0	2	536088N1	MG/KG	0.14	0.14	213		B1-SE	LIP	COWR
SS12BC	12BC	10/28/2002	BJ728	0	0.25	BJ728	MG/KG	0.26	0.26	233		E7-NE	LIP	PSI
SSD1042	D1042	8/4/2004	Q42-BP-002 (post)	0	0	581326N1	MG/KG	0.18	0.354	242		42	BP/E/O	COWR
SS12	12A	10/17/2000	AK822	7	7.25	AK822	MG/KG	0.32	0.515	250		30/43	BP/E/O	Draft RRA Plan
SS12AY	12AY	10/25/2002	BJ662	0	0.25	BJ662	MG/KG	0.25	0.25	266		E6-NW	LIP	Draft RRA Plan
SS12AT	12AT	3/28/2002	AZ440	0	0.25	AZ440	MG/KG	0.19	0.19	274		6	E/T/BF	Draft RRA Plan
SS12AU	12AU	3/26/2002	AZ460	0.5	1	AZ460	MG/KG	0.16	0.16	295		19	E/O	Draft RRA Plan
SS12BF	12BF	10/29/2002	BJ816	0.25	0.5	BJ816	MG/KG	0.23	0.23	319		38	E/T/BF	PSI
SS12AS	12AS	3/28/2002	AZ428	0	0.25	AZ428	MG/KG	0.21	0.21	322		5	E/T/BF	Draft RRA Plan
SSD1057	D1057	6/14/2004	Q57-BP-001 (post)	0	0	576539N1	MG/KG	0.14	0.289	382		57	BP/E/O	COWR
SS12AC	12AC	3/19/2002	AZ025	0	0.25	AZ025	MG/KG	0.22	0.22	387		7	E/T/BF	Draft RRA Plan
SS12BA	12BA	10/28/2002	BJ719	0	0.25	BJ719	MG/KG	0.24	0.24	427		11	LIP	PSI
SS12AN	12AN	3/26/2002	AZ368	0	0.25	AZ368	MG/KG	0.18	0.18	432		21	E/T/BF	Draft RRA Plan

ECC

TABLE 3-7
Lead Concentrations in Soil
Demolition Area 1 Project Site

Demolition Area 1 Source Area COWR

Soil Sample	Also Known As	Sample Date	Field Sample Id	Top Depth	Bot. Depth	Lab Sample Id	Units	MDL	RL	Result Value	EPA Flags	Soil Removal Quadrant	Remark	Source Document
SS12AN	12AN	3/26/2002	AZ372	0.25	0.5	AZ372	MG/KG	0.17	0.17	504		21	E/T/BF	Draft RRA Plan
SS12BF	12BF	10/29/2002	BJ813	0	0.25	BJ813	MG/KG	0.25	0.25	534		38	E/T/BF	PSI
SSD1042	D1042	2/18/2005	Q42-BP-005 (pre)	0	0	608919N1	MG/KG	0.22	0.292	539		42	BP/E/O	COWR
SS12AD	12AD	3/19/2002	AZ039	0	0.25	AZ039	MG/KG	0.21	0.21	542		17	E/T/BF	Draft RRA Plan
SS12	12A	10/17/2000	AK818	7	7.25	AK818	MG/KG	0.32	0.494	644		30/43	BP/E/O	Draft RRA Plan
SS12AU	12AU	3/26/2002	AZ456	0.25	0.5	AZ456	MG/KG	0.18	0.18	1430		19	E/O	Draft RRA Plan
SS01651-A	44.3	7/24/2001	TE756	10	10.25	107144-0~1/1	MG/KG	0.2	1	1630		42	BP/E/O	Draft RRA Plan
SS12AU	12AU	3/26/2002	AZ452	0	0.25	AZ452	MG/KG	0.4	2	15600		19	E/O	Draft RRA Plan
Average Lead Concentration of E/T/BF Soil										42.73				
Average Lead Concentration of E/T/BF and LIP Soil										40.05				
BP - Burn Pit Soil														
E/O - Excavated/Off site disposal														
E/T/BF - Excavated/Treated/Used for backfill														
LIP - Left In Place														
Source Document: See References, Section														
COWR: Demolition Area 1 Source Area Completion of Work Report														
Phase 1: Phase 1 Draft Completion of Work Report														
Draft RRA Plan: Draft Rapid Response Action/Release Abatement Measure Plan Demo 1 Soul Operable Unit														
PSI: Supplemental Post-Screening Investigation Report Demolition Area 1 Source Area														
MDL: Method Detection Limit														
RL: Reporting Limit														

TABLE 3-8

Demolition Area 1 Source Area COWR

**Lead Concentrations of Soil Treated in
Thermal Desorption Unit with Final Disposal
at Demolition Area 1**

Source Area	Volume Treated (Cubic Yards)	Sitewide Lead Conc. (ppm)
Demo 1	16641	42.7
Demo 2	789	28
Gun Pos 6	470	11.8
J2	6236	227
J2 Target Control Pits	324	24
J3	2587	13
CIA 23/42	1386	21
HUTA/MT-9	650	8.8
BIP Soils	188	25
Total	29271	44.6

(simple average)

weighted average lead=

76 ppm

ECC

TABLE 3-9
Waste Disposal Summary

Demolition Area 1 Source Area COWR

Disposal Facility	Location	Facility Detail	Quantity	Waste Source	Characterization Sample ID	Comments
Waste Management Turnkey Landfill	Rochester, NH	Sub Title D Landfill	190.34 tons	Burn Pits Q42-BP-001, Q42-BP-003, Q42-BP-004, Q45-BP-001 Q45-BP-003, Q45-BP-004 Q56-BP-001 Q57-BP-001 Q70-BP-001	Q42 Composite; Q42-BP-001 (pre), Q42 BP-003 (pre), Q42-BP-004 (pre) Q45-BP-001 (pre), Q45-BP-003 (pre), Q45-BP-004 (pre), Q56-BP-001 (pre)	Non-hazardous waste
Waste Management Crossroads Landfill	Norridgewock, ME	Sub title D Landfill	642.32 tons	Burn Pits Q43-BP-001, Q42-BP-005; Excavated soils - quads 60, 62, 70 and 73. BIP Excavation - Quad 29, 22 and 41	Q42-BP-005, Q 43-BP-001 (pre), ECCSSD1_030205 Q22PBSTP_070105 Q41PBSTP_070105	Non-hazardous waste
Waste Management Model City	Model City, NY	Sub title C Landfill	135.2 tons	Burn Pits Q42-BP-002, Q45-BP-002, Q56-BP-002, Excavated Soils quad 19	Q45/56 Roll-Off, Q56A-BP-001 (pre); 7AA, 7BA, 7CA	D008 waste for lead
Jones Environmental/ Stablex	Canada	Hazardous Waste Disposal Facility	14.81 tons	Burn Pit Q44-BP-001	Q44-BP-001 (pre)	D009 waste (elemental mercury)
Complete Recycling Solutions	Fall River, MA	Permitted RCRA recycling facility	4 drums	Scrap - Burn Pit Q44-BP-001	Q44-BP-001 (pre)	D009 waste (elemental mercury)

Notes:

Complete characterization sample results are included in Appendix C-3 and Appendix C-5

ECC

TABLE 3-10
Summary of Isotopic Uranium Data

Demolition Area 1 Source Area COWR

Sample ID ----->	RSP-001a	RSP-001a (dup)	RSP-001b	DA-DRUM	DA-DRUM (dup)	RSP-002	RSP-003	RSP-004	RSP-005	RSP-006	RSP-007	RSP-008	RSP-009
ANALYTE/Date ->	6/14/2004	6/14/2004	6/14/2004	6/24/2004	6/24/2004	6/14/2004	6/14/2004	6/14/2004	6/14/2004	6/14/2004	6/14/2004	6/14/2004	6/14/2004
U-234 (pCi/g)	0.774	0.805	0.836	1.086	1.062	1.230	0.921	0.946	1.139	2.145	0.993	1.197	0.973
U-235 (pCi/g)	0.081	0.017	0.077	0.150	0.151	0.103	0.139	0.051	0.147	0.250	0.104	0.191	0.083
U-238 (pCi/g)	0.917	0.783	0.868	2.586	2.639	1.048	0.665	0.999	1.021	1.448	0.940	1.063	0.882
TOTAL U (µg/g)	0.499	0.525	0.840	4.410	5.246	0.994	0.646	0.938	0.971	0.612	0.367	1.096	1.263

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
1	A1_1	A1_NW	284.19	3	MEC	2.5	6-small arms, rounds/ctgs, 3' x 1.5" dia aluminum conduit	Complete	Complete
2	A1_2	A1_NE	5.67	2	MD	0.25	3 piece frag	Complete	Complete
3	A1_3	A1_NW	4.86	3	MD	0.5	3 piece frag	Complete	Complete
4	A1_4	A1_NW	4.72	3	RRD	0.25	frag aluminum	Complete	Complete
5	A1_5	A1_NE	3.86	5	MD	0.5	50 cal round, frag	Complete	Complete
6	A1_6	A1_NW	3.19	2	MD	0.25	brass cartridge with link-2	Complete	Complete
7	A1_7	A1_NW	3.07	0	NF		nothing found-Vallon checked	Complete	Complete
1	A1A2_1	A1A2	7.65	0	MD_RRD	0.25	2-piece MD & 1-piece RRD	Complete	Complete
2	A1A2_2	A1A2	7.52	0	RRD	0.25	3-piece RRD	Complete	Complete
3	A1A2_3	A1A2	6.45	7	RRD	0.25	1-piece RRD	Complete	Complete
4	A1A2_4	A1A2	5.30	2	RRD	0.25	1-piece RRD	Complete	Complete
5	A1A2_5	A1A2	4.28	1	MD_RRD	0.25	1-piece RRD	Complete	Complete
6	A1A2_6	A1A2	3.88	2	RRD	0.25	2-piece RRD	Complete	Complete
7	A1A2_7	A1A2	3.49	2	MD_RRD	0.25	1-piece MD & 2-piece RRD	Complete	Complete
8	A1A2_8	A1A2	3.47	3	RRD	0.25	2-piece RRD	Complete	Complete
9	A1A2_9	A1A2	3.35	0	MD	0.25	2-piece MD	Complete	Complete
1	A2_1	A2_NE	14.56	0	MD	0.5	4-piece frag	Complete	Complete
2	A2_2	A2_NE	14.39	0	MD_RRD	0.5	6-piece frag & 2-piece wire	Complete	Complete
3	A2_3	A2_NE	11.49	8	MD	0.5	10-piece brass & 6-piece frag	Complete	Complete
4	A2_4	A2_NE	10.25	10	MD	0.5	3-piece frag	Complete	Complete
5	A2_5	A2_NE	10.04	4	MD	0.5	4-piece frag, 1-piece brass & 1-grenade fuze	Complete	Complete
6	A2_6	A2_NE	9.26	6	MD_RRD	10	6-piece frag & 2-piece wire	Complete	Complete
7	A2_7	A2_NE	7.20	6	MD	0.25	1-piece frag	Complete	Complete
8	A2_8	A2_NE	7.15	2	MD_RRD	0.25	1-piece frag & 1-piece wire	Complete	Complete
9	A2_9	A2_NE	6.37	2	MD	0.25	2-piece frag	Complete	Complete
10	A2_10	A2_NE	6.17	4	MD_RRD	0.5	1-piece frag & 2-piece wire	Complete	Complete
11	A2_11	A2_NE	5.94	3	MD	0.5	8-piece frag	Complete	Complete
12	A2_12	A2_NE	5.78	2	MD	0.5	3-piece frag	Complete	Complete
13	A2_13	A2_NE	5.51	2	MD	0.25	3-piece frag & 1-ignitor	Complete	Complete
14	A2_14	A2_NE	5.50	4	MD	0.25	2-piece frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC = Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
15	A2_15	A2_NE	5.01	2	MD	0.25	2-piece frag & 1-piece brass	Complete	Complete
16	A2_16	A2_NE	4.65	4	MD_RRD	0.25	2-piece frag & 1-piece wire	Complete	Complete
17	A2_17	A2_NE	4.51	3	MD	0.5	2-piece brass & 3-piece frag	Complete	Complete
18	A2_18	A2_NE	4.39	3	MD	0.25	5-piece frag & 1-piece brass	Complete	Complete
19	A2_19	A2_NE	3.80	4	MD	0.25	4-piece frag	Complete	Complete
20	A2_20	A2_NE	3.79	0	MD	0.25	4-piece frag & 2-piece brass	Complete	Complete
21	A2_21	A2_NE	3.67	6	MD	0.25	6-piece brass	Complete	Complete
22	A2_22	A2_NE	3.34	2	MD_RRD	0.5	6-piece frag, 3-piece brass & 2-piece wire	Complete	Complete
23	A2_23	A2_NE	3.19	2	MD_RRD	0.25	2-piece frag, 1-piece brass & 1-piece wire	Complete	Complete
24	A2_24	A2_NE	3.11	3	MD	0.25	4-piece frag	Complete	Complete
1	A2F_1	A2_NE	17.91	6	RRD	1	metal bar	Complete	Complete
2	A2F_2	A2_NW	12.27	3	RRD	1	large washer	Complete	Complete
3	A2F_3	A2_NW	7.02	4	MD	0.5	3.5" rocket shroud	Complete	Complete
4	A2F_4	A2_NW	5.97	0	MD	0.5	Frag	Complete	Complete
5	A2F_5	A2_NW	5.68		RRD		grounding stake of pole	Complete	Complete
6	A2F_6	A2_NW	5.59	3	RRD	0.5	scrap	Complete	Complete
7	A2F_7	A2_NW	5.16	4	MD	0.25	Frag	Complete	Complete
8	A2F_8	A2_NE	4.60	0	MD	0.25	20mm projectile casing	Complete	Complete
9	A2F_9	A2_NE	4.51	0	RRD	0.25	scrap	Complete	Complete
10	A2F_10	A2_NW	4.45	0	MD	0.25	50 cal casing	Complete	Complete
11	A2F_11	A2_NE	4.37	3	MD	0.25	fuze part	Complete	Complete
12	A2F_12	A2_NW	3.98	1	MD	0.25	Frag	Complete	Complete
13	A2F_13	A2_NE	3.68	0	MD	0.25	Frag	Complete	Complete
14	A2F_14	A2_NE	3.30	3	MD	0.25	Frag	Complete	Complete
15	A2F_15	A2_NE	3.08	2	MD	0.25	Frag	Complete	Complete
1	A3_1	A3_NE	135.06	4	RRD	3	steel pipe	Complete	Complete
2	A3_2	A3_NW	57.05	7	MD	1	Test Item Emplaced-fuze	Complete	Complete
3	A3_3	A3_NW	33.50	12	MD	10	Test Item Emplaced-Inert 3.5" Rocket w/inert motor	Complete	Complete
4	A3_4	A3_NE	28.61	4	RRD	1	banding	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
5	A3_5	A3_NW	28.22	8	MD	3	inert rocket motor	Complete	Complete
6	A3_6	A3_NE	9.01	6	MD	1	Frag	Complete	Complete
7	A3_7	A3_NE	8.94	2	RRD	0.5	Scrap	Complete	Complete
8	A3_8	A3_NE	8.19	6	MD	0.5	Frag	Complete	Complete
9	A3_9	A3_NW	7.85	2	MD	0.5	Frag	Complete	Complete
10	A3_10	A3_NE	7.82	6	MD	0.5	Frag	Complete	Complete
11	A3_11	A3_NE	7.33	6	RRD	0.25	bolt	Complete	Complete
12	A3_12	A3_NW	7.32	4	MD	0.25	Frag	Complete	Complete
13	A3_13	A3_NE	6.86	4	MD	0.25	Frag	Complete	Complete
14	A3_14	A3_NE	6.86	2	MD	0.25	Frag	Complete	Complete
15	A3_15	A3_NE	6.49	4	MD	0.25	Frag	Complete	Complete
16	A3_16	A3_NE	6.34	0	MD	0.25	Frag	Complete	Complete
17	A3_17	A3_NE	6.32	4	MD	0.5	Frag	Complete	Complete
18	A3_18	A3_NE	6.15	6	RRD	0.25	Scrap	Complete	Complete
19	A3_19	A3_NW	5.96	4	MD	0.25	Frag	Complete	Complete
20	A3_20	A3_NE	5.70	2	MD	0.25	Frag	Complete	Complete
21	A3_21	A3_NE	4.91	2	RRD	0.25	Scrap	Complete	Complete
22	A3_22	A3_NE	4.71	6	RRD	0.25	Scrap	Complete	Complete
23	A3_23	A3_NE	4.66	2	MD	0.25	Frag	Complete	Complete
24	A3_24	A3_NW	4.60	2	MD	0.25	Frag	Complete	Complete
25	A3_25	A3_NE	4.56	4	MD	0.25	Frag & casing	Complete	Complete
26	A3_26	A3_NW	3.98	4	MD	0.25	Frag	Complete	Complete
27	A3_27	A3_NE	3.98	6	MD	0.25	Frag	Complete	Complete
28	A3_28	A3_NE	3.66	2	MD	0.25	Frag	Complete	Complete
29	A3_29	A3_NE	3.62	2	MD	0.25	Frag	Complete	Complete
30	A3_30	A3_NW	3.55	0	MD	0.25	casing	Complete	Complete
31	A3_31	A3_NE	3.51	2	MD	0.25	Frag	Complete	Complete
32	A3_32	A3_NW	3.36	2	MD	0.25	Frag	Complete	Complete
33	A3_33	A3_NE	3.23	2	RRD	0.25	Nail	Complete	Complete
1	A4_1	89	30.11	2	MD		3.5" Rocket Tail Section	Complete	Complete
2	A4_2	89	8.69	2	RRD		MD & Steel Bolt	Complete	Complete
3	A4_3	89	5.11	0	NF		Road Base & RRD-Vallon Checked	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
4	A4_4	89	4.98	0	NF		Road Base & RRD-Vallon Checked	Complete	Complete
5	A4_5	90	4.80	1	MD		Frag	Complete	Complete
6	A4_6	90	4.59	1	RRD		RRD	Complete	Complete
7	A4_7	89	4.34	0	NF		Road Base & RRD-Vallon Checked	Complete	Complete
8	A4_8	89	4.02	2	RRD		RRD	Complete	Complete
9	A4_9	90	3.90	0	NF		nothing found-Vallon checked	Complete	Complete
10	A4_10	89	3.81	1	RRD		RRD	Complete	Complete
11	A4_11	89	3.73	0	NF		nothing found-Vallon checked	Complete	Complete
12	A4_12	89	3.66	0	NF		nothing found-Vallon checked	Complete	Complete
13	A4_13	89	3.64	0	RRD		RRD	Complete	Complete
14	A4_14	89	3.59	0	NF		nothing found-Vallon checked	Complete	Complete
15	A4_15	90	3.57	1	MD		Frag	Complete	Complete
16	A4_16	89	3.46	0	NF		Road Base & RRD-Vallon Checked	Complete	Complete
17	A4_17	90	3.46	0	NF		nothing found-Vallon checked	Complete	Complete
18	A4_18	90	3.33	2	RRD		RRD	Complete	Complete
19	A4_19	89	3.32	1	RRD		RRD	Complete	Complete
20	A4_20	90	3.24	0	MD		Frag	Complete	Complete
21	A4_21	90	3.11	0	NF		nothing found-Vallon checked	Complete	Complete
22	A4_22	89	3.08	0	NF		nothing found-Vallon checked	Complete	Complete
1	A5_1	92	17.06	6	MD	0.75	20MM Projectile & 30mm Projectile	Complete	Complete
2	A5_2	92	13.82	4	MD	0.25	Frag 8"	Complete	Complete
3	A5_3	92	10.33	3	MD		Frag & Aluminum Fins	Complete	Complete
4	A5_4	92	9.28	1	MD	0.25	20MM Projectile	Complete	Complete
5	A5_5	90	8.83	0	RRD		RRD	Complete	Complete
6	A5_6	92	6.85	2	MD		Frag	Complete	Complete
7	A5_7	92	5.00	3	MD		RRD & MD, 3lb Fence Post	Complete	Complete
8	A5_8	100	4.23		NF		Road Base & RRD-Vallon Checked	Complete	Complete
9	A5_9	92	4.06	0	MD		Frag	Complete	Complete
10	A5_10	92	4.06	0	RRD		RRD	Complete	Complete
11	A5_11	92	3.86		NF		nothing found-Vallon checked	Complete	Complete
12	A5_12	100	3.86		NF		Road Base & RRD-Vallon Checked	Complete	Complete
13	A5_13	92	3.77		NF		nothing found-Vallon checked	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
14	A5_14	91	3.77	0	RRD		RRD	Complete	Complete
15	A5_15	91	3.72		NF		nothing found-Vallon checked	Complete	Complete
16	A5_16	92	3.65	0	RRD		RRD	Complete	Complete
17	A5_17	91	3.62		NF		nothing found-Vallon checked	Complete	Complete
18	A5_18	92	3.61		NF		nothing found-Vallon checked	Complete	Complete
19	A5_19	100	3.60		NF		Road Base & RRD-Vallon Checked	Complete	Complete
20	A5_20	91	3.55		NF		nothing found-Vallon checked	Complete	Complete
21	A5_21	100	3.52		NF		Road Base & RRD-Vallon Checked	Complete	Complete
22	A5_22	91	3.44		NF		nothing found-Vallon checked	Complete	Complete
23	A5_23	91	3.43		NF		nothing found-Vallon checked	Complete	Complete
24	A5_24	92	3.42		NF		nothing found-Vallon checked	Complete	Complete
25	A5_25	100	3.41		NF		nothing found-Vallon checked	Complete	Complete
26	A5_26	100	3.39		NF		nothing found-Vallon checked	Complete	Complete
27	A5_27	91	3.39		NF		nothing found-Vallon checked	Complete	Complete
28	A5_28	100	3.38		NF		Road Base & RRD-Vallon Checked	Complete	Complete
29	A5_29	100	3.36		NF		Road Base & RRD-Vallon Checked	Complete	Complete
30	A5_30	92	3.34	0	MD		Frag	Complete	Complete
31	A5_31	100	3.34	0	MD		Frag	Complete	Complete
32	A5_32	100	3.33		NF		Road Base & RRD-Vallon Checked	Complete	Complete
33	A5_33	92	3.26		NF		nothing found-Vallon checked	Complete	Complete
34	A5_34	91	3.25		NF		nothing found-Vallon checked	Complete	Complete
35	A5_35	91	3.23		NF		nothing found-Vallon checked	Complete	Complete
1	A6_1	94	163.65	6	RRD		Fence Post & Wire	Complete	Complete
2	A6_2	93	138.80	0	RRD		Fence Post & Wire	Complete	Complete
3	A6_3	94	114.43	16	RRD	25	25lbs Const. Wire	Complete	Complete
4	A6_4	94	28.96	3	RRD		18 in. Steel Rod Tip	Complete	Complete
5	A6_5	102	20.17	4	MD		MD & RRD, Surface RRD	Complete	Complete
6	A6_6	93	17.12	8	MD		Brass Base Fuze	Complete	Complete
7	A6_7	94	16.32	1	MEC		20MM Projectile & MD	Complete	Complete
8	A6_8	93	13.51	6	RRD		7 in. Wire	Complete	Complete
9	A6_9	93	13.30	6	MD	2	Frag	Complete	Complete
10	A6_10	102	12.71	0	MD		Frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
11	A6_11	94	12.07	1	MEC		20MM Projectile	Complete	Complete
12	A6_12	93	11.40	2	MD		Frag	Complete	Complete
13	A6_13	94	11.09	1	MEC		20MM 2) & Small Frag	Complete	Complete
14	A6_14	93	10.75	0	MD		Frag	Complete	Complete
15	A6_15	102	9.77	2	MD		.50 cal	Complete	Complete
16	A6_16	94	9.72	6	MD		Frag	Complete	Complete
17	A6_17	102	9.15	2	RRD		Wire	Complete	Complete
18	A6_18	94	9.08	3	MD		20MM Links	Complete	Complete
19	A6_19	93	8.65	2	RRD		Wire	Complete	Complete
20	A6_20	94	8.60	6	MD		Frag	Complete	Complete
21	A6_21	93	8.34	1	MD		Frag	Complete	Complete
22	A6_22	93	7.36	3	MD	1	Frag	Complete	Complete
23	A6_23	94	7.17	3	MD		20MM cartridge casing & Cork Screw	Complete	Complete
24	A6_24	94	7.09	0	MD		Frag	Complete	Complete
25	A6_25	101	7.07	0	NF		nothing found-Vallon checked	Complete	Complete
26	A6_26	94	7.05	2	MD		.50 cal Ball & Frag	Complete	Complete
27	A6_27	93	6.68	1	MD		Frag	Complete	Complete
28	A6_28	93	6.14	2	MD		Frag	Complete	Complete
29	A6_29	93	6.05	18	RRD		Steel Cable	Complete	Complete
30	A6_30	94	5.63	3	MD		Cartridge Casing	Complete	Complete
31	A6_31	94	5.38	3	RRD		Wire	Complete	Complete
32	A6_32	102	4.84	4	MD		Frag	Complete	Complete
33	A6_33	93	4.47	1	MD		Cartridge Casing	Complete	Complete
34	A6_34	93	4.38	0	NF		nothing found-Vallon checked	Complete	Complete
35	A6_35	102	4.35	3	RRD		Metal Debris	Complete	Complete
36	A6_36	93	4.27	2	MD		Frag	Complete	Complete
37	A6_37	93	4.23	2	MD		Frag	Complete	Complete
38	A6_38	102	3.80	2	MD		Frag	Complete	Complete
39	A6_39	94	3.75	1	MD		Frag	Complete	Complete
40	A6_40	102	3.66	2	MD		Cartridge Casing	Complete	Complete
41	A6_41	93	3.64	0	NF		nothing found-Vallon checked	Complete	Complete
42	A6_42	101	3.52	0	NF		nothing found-Vallon checked	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC = Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
43	A6_43	102	3.51	2	MD		Frag	Complete	Complete
44	A6_44	93	3.49	0	MD		Cartridge Casing	Complete	Complete
45	A6_45	101	3.48	0	NF		nothing found-Vallon checked	Complete	Complete
46	A6_46	94	3.46	4	MD		Frag	Complete	Complete
47	A6_47	93	3.42	1	MD		Frag	Complete	Complete
48	A6_48	102	3.41	0	MD		Frag	Complete	Complete
49	A6_49	101	3.40	2	RRD		Nail	Complete	Complete
50	A6_50	93	3.39	0	NF		nothing found-Vallon checked	Complete	Complete
51	A6_51	94	3.25	0	NF		nothing found-Vallon checked	Complete	Complete
52	A6_52	102	3.25	0	MD		Cartridge Casing	Complete	Complete
53	A6_53	102	3.24	1	MD		Frag	Complete	Complete
54	A6_54	94	3.23	2	MD		Frag	Complete	Complete
55	A6_55	102	3.19	3	MD		Frag	Complete	Complete
56	A6_56	93	3.11	0	NF		nothing found-Vallon checked	Complete	Complete
57	A6_57	93	3.11	0	NF		nothing found-Vallon checked	Complete	Complete
58	A6_58	93	3.07	0	NF		nothing found-Vallon checked	Complete	Complete
59	A6_59	102	3.04	2	RRD		Small Wire	Complete	Complete
60	A6_60	94	3.02	0	NF		nothing found-Vallon checked	Complete	Complete
61	A6_61	102	3.02	1	RRD		RRD	Complete	Complete
62	A6_62	93	3.01	0	RRD		See Target A6_29, (steel cable)	Complete	Complete
1	A7_1	103	152.33	2	MD_RRD	1	6-piece Frag & 1-piece angle iron	Complete	Complete
2	A7_2	103	89.10	2	MD_RRD	1	2-piece Frag & 1-piece angle iron	Complete	Complete
3	A7_3	103	47.20	3	RRD	1	1-piece angle iron	Complete	Complete
4	A7_4	103	36.36	8	MD	1	10-piece Frag & brass	Complete	Complete
5	A7_5	103	20.35	2	MD	3	Frag	Complete	Complete
6	A7_6	104	14.33	7	MD_RRD	1	5-piece Frag & 1-wire	Complete	Complete
7	A7_7	95	13.99	10	MD_RRD	0.5	Large piece Frag, 10-piece brass & wire	Complete	Complete
8	A7_8	103	13.30	5	MD	0.25	7-piece Frag & brass	Complete	Complete
9	A7_9	95	12.32	2	MD	0.5	7-piece Frag & brass	Complete	Complete
10	A7_10	103	12.16	2	MD_RRD	0.25	3 piece Frag & 1 piece wire	Complete	Complete
11	A7_11	103	10.29	0	MD	0.5	brass, bullets & Frag	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
12	A7_12	95	9.68	7	MD_RRD	1	2-piece brass, 81mm subcal & 2-nails	Complete	Complete
13	A7_13	96	7.97	2	MD	0.25	7-piece brass	Complete	Complete
14	A7_14	103	7.93	11	MD	0.5	Large piece aluminum & large piece Frag	Complete	Complete
15	A7_15	95	7.90	5	MD	2	30mm practice, 2-large piece aluminum & 2-small piece Frag	Complete	Complete
16	A7_16	95	7.61	5	MD_RRD		Cartridge case, 2-piece Frag link & wire	Complete	Complete
17	A7_17	95	7.44	6	MD	1	3-large piece aluminum, 4 piece brass & 2-piece Frag	Complete	Complete
18	A7_18	95	7.27	5	MD	0.5	Frag, 4-piece brass & 50 cal cartridge	Complete	Complete
19	A7_19	95	7.03	7	MD_RRD	0.75	4-piece Frag & 4-piece brass large spike	Complete	Complete
20	A7_20	95	6.53	8	MD	0.25	3-piece Frag	Complete	Complete
21	A7_21	103	6.15	0.5	MD_RRD	0.25	Wire, 2-nails & bullet	Complete	Complete
22	A7_22	103	5.85	3	MD	0.5	3-piece Frag & aluminum	Complete	Complete
23	A7_23	95	5.57	2	MD	0.25	7-cartridge cases, 1-piece Frag & 50 cal cartridge	Complete	Complete
24	A7_24	103	5.17	10	MD_RRD	0.5	3-piece Frag, partial 30mm & barbed wire	Complete	Complete
25	A7_25	95	4.95	4	MD_RRD	0.5	1-piece Frag, M60 ignitor, 50 cal round & 2-piece wire	Complete	Complete
26	A7_26	95	4.88	4	MD_RRD	0.25	2-piece Frag & 2-piece wire	Complete	Complete
27	A7_27	103	4.80	4	MD_RRD	1	5-piece Frag, 4-piece brass & 2-piece wire	Complete	Complete
28	A7_28	103	4.79	4	MD	0.25	50 cal round, 3-piece brass & 1-piece Frag	Complete	Complete
29	A7_29	103	4.64	4	MD	0.25	50 cal round, 6-piece brass & 50 cal cartridge	Complete	Complete
30	A7_30	103	4.63	3	MD	0.25	4-piece brass & 2- piece Frag	Complete	Complete
31	A7_31	103	4.63	6	MD_RRD	0.25	Frag & barbed wire	Complete	Complete

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TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
32	A7_32	95	4.56	0	MD	2	large piece aluminum, 8-piece brass & antenna wire	Complete	Complete
33	A7_33	95	4.44	3	MD_RRD	0.25	1-piece Frag & 1-piece wire	Complete	Complete
34	A7_34	103	4.05	12	MD_RRD	0.25	3-piece Frag, 2-piece brass & wire	Complete	Complete
35	A7_35	95	4.03	4	MD	0.25	5-piece aluminum, 3-piece Frag & wire	Complete	Complete
36	A7_36	95	3.96	2	MD	0.25	50 cal cartridge, 4-piece brass & Frag	Complete	Complete
37	A7_37	95	3.87	5	MD_RRD	0.25	4-piece brass, 2-piece Frag & conduit wire	Complete	Complete
38	A7_38	103	3.73	4	MD	0.25	5-piece brass & 2-piece Frag	Complete	Complete
39	A7_39	103	3.59	2	MD	0.25	1-large piece Frag	Complete	Complete
40	A7_40	103	3.54	8	MD	0.25	20mm case & large piece Frag	Complete	Complete
41	A7_41	103	3.41	4	MD_RRD	0.5	2-piece Frag, 3-piece wire & 1-railroad spike	Complete	Complete
42	A7_42	95	3.33	3	MD	0.25	2-piece Frag	Complete	Complete
43	A7_43	103	3.22	6	MD	0.25	4-piece aluminum, Frag & brass	Complete	Complete
44	A7_44	95	3.19	3	MD	0.25	7-piece Frag	Complete	Complete
45	A7_45	95	3.16	3	MD	0.25	5-piece brass & 4-piece Frag	Complete	Complete
46	A7_46	95	3.14	5	MD_RRD	0.25	1-piece Frag & 2-piece wire	Complete	Complete
47	A7_47	95	3.09	6	MD	0.25	7-piece brass & Frag	Complete	Complete
48	A7_48	96	3.08	4	MD	0.25	3-piece Frag	Complete	Complete
49	A7_49	95	3.00	5	MD_RRD	0.25	3-piece brass & 2-piece wire	Complete	Complete
50	A7_50	103	3.00	4	MD	0.25	7-piece Frag & 3-piece brass	Complete	Complete
51	A7_51	103	3.00	0	MD_RRD	0.25	ammo clip, nail & 2-piece wire	Complete	Complete
1	A7_1	104	95.14	1	MEC_MD	4	75mm projectile-CDC, Frag, flat sheet metal & wire	Complete	Complete
2	A7_2	104	43.01	3	MD_RRD	0.25	Frag, 5 cartridge cases & wire	Complete	Complete
3	A7_3	95	26.58	3	MD	0.25	4-piece Frag, 2-50 caliber bullet & 3-7.62 cartridge cases	Complete	Complete
4	A7_4	103	13.37	4	MD_RRD	0.5	50 cal cartridge cases, 2-50 caliber cartridges, 7-piece Frag & nail	Complete	Complete
5	A7_5	103	12.87	5	MD	3	3-piece Frag, 3-7.62 cartridge cases	Complete	Complete

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Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
6	A7_6	95	12.64	2	MD	0.25	2-piece Frag, 5-7.62 cartridge cases	Complete	Complete
7	A7_7	95	10.86	2	MD_RRD	0.5	50 cal cartridge cases, 2-7.62 cartridge cases, 2-piece Frag & wire	Complete	Complete
8	A7_8	95	8.70	3	MD_RRD	0.5	3-piece frag, 6-7.62 mm cartridge cases, 50 cal bullet & 1-piece wire	Complete	Complete
9	A7_9	104	7.67	1	MD	0.25	Piece Frag & 7.62 cartridge cases	Complete	Complete
10	A7_10	104	7.25	1	MD	0.125	7.62 cartridge cases & 2-piece Frag	Complete	Complete
11	A7_11	95	6.50	3	MD_RRD	0.25	5-7.62 cartridge cases & 6-piece wire	Complete	Complete
12	A7_12	96	5.46	2	MD	0.25	2-piece Frag, Piece Alloy & 7.62 cartridge cases	Complete	Complete
13	A7_13	95	5.45	1	MD	0.25	4-piece Frag, 3 cartridge cases & 1-50 cal	Complete	Complete
14	A7_14	96	5.32	1	MD	0.125	Alloy	Complete	Complete
15	A7_15	95	4.92	3	MD	0.5	2-piece Frag & 3-5.56 cartridge cases	Complete	Complete
16	A7_16	95	4.74	2	MD_RRD	0.25	1-piece alloy, 4-7.62 cartridge cases & 2 nails	Complete	Complete
17	A7_17	103	4.69	1	MD_RRD	0.5	4-piece Frag, 4-7.62 cartridge cases & nail	Complete	Complete
18	A7_18	96	4.27	12	MD	1.1	3-piece Frag & 3 cartridge cases	Complete	Complete
19	A7_19	96	4.05	3	MD	0.25	2-piece Frag, 4-7.62 cartridge cases & 1-50 cal cartridge	Complete	Complete
20	A7_20	103	3.98	2	MD	0.125	2-7.62 cartridge cases & 2-piece Frag	Complete	Complete
21	A7_21	103	3.58	4	MD_RRD	0.25	3-piece Frag & 2-piece wire	Complete	Complete
22	A7_22	95	3.51	3	MD_RRD	0.125	1-50 cal bullet, 3-7.62 cartridge cases, 2-piece Frag & wire	Complete	Complete
23	A7_23	95	3.46	2	MD_RRD	0.25	8-piece Frag, 3-7.62 cartridge cases & 2-piece wire	Complete	Complete
24	A7_24	95	3.38	2	MD	0.25	9-7.62 cartridge cases & 4-piece Frag	Complete	Complete
25	A7_25	103	3.30	2	RRD	0.25	Wire	Complete	Complete
26	A7_26	103	3.10	4	MD_RRD	0.25	3-piece Frag, 1-7.62 cartridge cases & nail	Complete	Complete
27	A7_27	96	3.08	6	MD	0.125	50 cal bullet slug	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
1	A8_1	98	280.98	2	RRD	45	Large Piece "I" beam & 15 nails	Complete	Complete
2	A8_2	97	23.87	6	MD	2	1-piece Frag	Complete	Complete
3	A8_3	97	20.16	4	MD	1.5	10-7.62 cartridge casings, 10-piece Frag, M1 ammo clip	Complete	Complete
4	A8_4	97	14.54	5	MD	0.5	4-piece Frag	Complete	Complete
5	A8_5	97	13.66	4	MD	0.5	M395 practice 40m projectile, 3-piece Frag & 2-7.62 cartridge casings	Complete	Complete
6	A8_6	97	12.95	3	MD	0.5	2-piece Frag, 1-7.62 cartridge casing	Complete	Complete
7	A8_7	97	8.10	5	MD	2	3-piece Frag	Complete	Complete
8	A8_8	98	6.35	6	MD	0.25	Large Piece Aluminum (Nose Cone)	Complete	Complete
9	A8_9	98	5.82	2	MD	0.25	1-piece Frag, .50 cal bullet, 7.62 cartridge casing	Complete	Complete
10	A8_10	98	5.38	2	MD_RRD	0.5	5-piece Frag, 7.62 cartridge casing & steel rod	Complete	Complete
11	A8_11	98	4.88	3	MD	0.25	2-piece Frag, concertina wire & 7.62 cartridge casings	Complete	Complete
12	A8_12	98	4.32	3	MD	0.25	2-piece Frag	Complete	Complete
13	A8_13	98	4.25	6	MD	0.75	Large Piece Frag & Piece Brass	Complete	Complete
14	A8_14	97	3.50	4	MD	0.25	3-piece Frag & 1-7.62 cartridge casings	Complete	Complete
15	A8_15	98	3.50	4	MD_RRD	0.5	3-piece Frag, 1-7.62 cartridge casings & 2-12" wire	Complete	Complete
16	A8_16	98	3.12	2	MD	0.25	3-piece Frag & 7.62 cartridge casings	Complete	Complete
17	A8_17	97	3.00	6	MD	0.5	4-7.62 cartridge casings & 3-piece Frag	Complete	Complete
1	B1_1	B1_SE	370.54	0	RRD	5	Wooden ammo crate with hinges, rail road TR with spikes-bunker	Complete	Complete
2	B1_2	B1_SE	29.57	4	MD	0.5	Aluminum Frag	Complete	Complete
3	B1_3	B1_NE	26.71	4	RRD	0.75	nails	Complete	Complete
4	B1_4	B1_NE	23.36	5	MD	0.5	Aluminum	Complete	Complete
5	B1_5	B1_NE	17.33	4	MD	0.5	cartridge casing & Frag	Complete	Complete
6	B1_6	B1_NE	16.18	2	MD	0.5	Aluminum Frag	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
7	B1_7	B1_NE	14.80	3	RRD	0.5	10 nails	Complete	Complete
8	B1_8	B1_NE	11.31	5	RRD	0.75	15 nails & hinge	Complete	Complete
9	B1_9	B1_NE	11.06	8	MD	0.25	Aluminum	Complete	Complete
10	B1_10	B1_NE	10.08	8	MD	0.25	Aluminum	Complete	Complete
11	B1_11	B1_NE	8.78	2	MD	0.25	Aluminum	Complete	Complete
12	B1_12	B1_NE	8.38	5	RRD	0.5	nails	Complete	Complete
13	B1_13	B1_NE	8.37	2	MD	0.25	Frag 1 piece & large piece of wire	Complete	Complete
14	B1_14	B1_SE	7.18	2	MD	0.5	Frag 4 piece	Complete	Complete
15	B1_15	B1_SW	6.82	6	MD	0.25	Aluminum Frag	Complete	Complete
16	B1_16	B1_NE	6.49	5	RRD	0.5	nails	Complete	Complete
17	B1_17	B1_NE	6.36	7	MD	0.25	40mm cartridge casing, Frag, brass & Aluminum	Complete	Complete
18	B1_18	B1_SE	6.30	6	MD	0.25	Frag	Complete	Complete
19	B1_19	B1_NE	6.24	4	RRD	0.25	Nails	Complete	Complete
20	B1_20	B1_SE	6.03	3	MEC	0.25	20mm Projectile	Complete	Complete
21	B1_21	B1_NW	5.96	0	NF		nothing found-Vallon checked	Complete	Complete
22	B1_22	B1_NE	5.89	3	MD	0.25	Frag	Complete	Complete
23	B1_23	B1_SW	5.72	6	MD	0.25	Frag & Aluminum	Complete	Complete
24	B1_24	B1_SE	5.70	6	MD	0.5	brass & 50 cal cartridge	Complete	Complete
25	B1_25	B1_NE	5.38	6	MD	0.25	Aluminum	Complete	Complete
26	B1_26	B1_NW	5.29	6	MD	0.25	Aluminum	Complete	Complete
27	B1_27	B1_NE	4.64	4	MD	0.25	cartridge casing & Aluminum	Complete	Complete
28	B1_28	B1_NE	4.31	6	MD	0.25	50 cal cartridge casing & Aluminum	Complete	Complete
29	B1_29	B1_NE	4.12	7	MD	0.25	Frag	Complete	Complete
30	B1_30	B1_NW	3.84	8	MD	0.25	Aluminum Frag	Complete	Complete
31	B1_31	B1_SE	3.75	0	RRD	0.25	Wire & Frag	Complete	Complete
32	B1_32	B1_NE	3.73	7	MD	0.25	50 cal & 7.62 cartridge casing	Complete	Complete
33	B1_33	B1_NE	3.62	6	MD	0.5	7.62 cartridge casing-15 each	Complete	Complete
34	B1_34	B1_NE	3.54	5	MD	0.25	Frag	Complete	Complete
35	B1_35	B1_NE	3.48	8	RRD	0.25	8 nails	Complete	Complete
36	B1_36	B1_NE	3.47	2	MD	0.25	Frag	Complete	Complete
37	B1_37	B1_NE	3.39	3	MD	0.25	Frag	Complete	Complete

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TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
38	B1_38	B1_NE	3.37	4	RRD	0.25	9 nails	Complete	Complete
39	B1_39	B1_SW	3.34	10	MD_RRD	0.25	Frag & communication wire	Complete	Complete
40	B1_40	B1_SE	3.34	2	MD	0.25	brass cartridge	Complete	Complete
41	B1_41	B1_SW	3.30	2	MD	0.25	Frag	Complete	Complete
42	B1_42	B1_SW	3.29	3	MD	0.25	Frag	Complete	Complete
43	B1_43	B1_NE	3.29	4	MD	0.25	Frag	Complete	Complete
44	B1_44	B1_SW	3.24	4	MD	0.25	Frag	Complete	Complete
45	B1_45	B1_SE	3.22	4	RRD	0.25	Wire & Frag	Complete	Complete
46	B1_46	B1_NW	3.15	5	MD	0.25	Aluminum	Complete	Complete
47	B1_47	B1_NE	3.14	2	MD	0.25	Frag	Complete	Complete
48	B1_48	B1_NE	3.07	1	RRD	0.25	D Cell battery	Complete	Complete
49	B1_49	B1_NE	3.04	4	MD	0.25	Frag	Complete	Complete
50	B1_50	B1_NE	3.02	5	MD_RRD	0.25	Nail & Aluminum Frag brass	Complete	Complete
51	B1_51	B1_SE	3.01	2	MD	0.25	Frag & cartridge casing	Complete	Complete
52	B1_52	B1_NW	3.00	1	MD	0.25	50 cal round	Complete	Complete
1	B2_1	B2_NW	209.41	0	MD	3	11-piece large Frag - BIP hole	Complete	Complete
2	B2_2	B2_SW	158.13	1	MD	0.25	3-piece large Frag	Complete	Complete
3	B2_3	B2_SW	94.26	0	RRD	30	rebar & concrete	Complete	Complete
4	B2_4	B2_NE	46.77	3	MD	0.5	large piece steel Frag	Complete	Complete
5	B2_5	B2_NW	30.18	6	MD	1	7-piece brass, fins & 2 rotating bands	Complete	Complete
6	B2_6	B2_NE	20.93	3	MD	0.5	5-piece Frag	Complete	Complete
7	B2_7	B2_SE	16.07	3	MD	1	2-med size Frag	Complete	Complete
8	B2_8	B2_SW	15.38	1	MD_RRD	0.25	2 cartridge casing & nail	Complete	Complete
9	B2_9	B2_NE	15.06	3	MD		1-small arms magazine clip	Complete	Complete
10	B2_10	B2_NW	14.89	10	MD_RRD	0.025	1-small size Frag & magnet	Complete	Complete
11	B2_11	B2_SW	13.80	1	MD	0.25	4 piece aluminum & 40 cal cartridge casing smashed	Complete	Complete
12	B2_12	B2_SE	13.36	3	MD	0.5	cartridge casing & Frag	Complete	Complete
13	B2_13	B2_SE	13.14	2	MD		3.5" Rocket fins	Complete	Complete
14	B2_14	B2_SE	12.88	6	MD		1-5.56 cartridge & 3" long aluminum Frag	Complete	Complete
15	B2_15	B2_NE	12.58	2	MD	0.25	5 piece Frag & 20mm projectile	Complete	Complete

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16	B2_16	B2_NE	10.51	3	MD	0.5	Frag & aluminun	Complete	Complete
17	B2_17	B2_SE	10.33	2	MD		1-med size aluminum Frag	Complete	Complete
18	B2_18	B2_NE	9.43	2	MD	0.25	aluminum fin & 7.62 cartridge casing	Complete	Complete
19	B2_19	B2_NW	8.66	6	MD_RRD	0.25	Frag, ammo clip & nail	Complete	Complete
20	B2_20	B2_NW	8.63	2	MD	0.25	brass & Frag	Complete	Complete
21	B2_21	B2_SE	8.56	2	MD_RRD		1-5.56 small arm,1-50 cal cartridge,1-20mm projectile & 2-nails	Complete	Complete
22	B2_22	B2_NE	8.09	0	MEC_MD	0.75	aluminum, flare complete, steel & Jet perforator	Complete	Complete
23	B2_23	B2_SE	7.72	3	MD		8-5.56 small arms	Complete	Complete
24	B2_24	B2_SE	7.63	1	MD		1-5.56 cartridge & 1-aluminum cartridge	Complete	Complete
25	B2_25	B2_NE	7.55	3	MEC_MD		15 piece Frag, 5 brass, large piece steel & 20mm projectile	Complete	Complete
26	B2_26	B2_SE	7.44	3	MD_RRD	0.5	1-7.76 small arms cartridge,1-steel Frag & 1-wire	Complete	Complete
27	B2_27	B2_SE	7.28	12	MD	1.25	3-50 cal ctg, 5-piece brass, 10-piece Frag, 1-large piece steel & 3-piece wire	Complete	Complete
28	B2_28	B2_NE	7.24	3	MD	0.5	3 piece Frag	Complete	Complete
29	B2_29	B2_NE	7.03	4	MD_RRD	0.25	3 piece Frag & wire	Complete	Complete
30	B2_30	B2_SW	6.98	18	MD	0.5	Frag	Complete	Complete
31	B2_31	B2_SE	6.72	2	MD		60mm aluminum nose cone	Complete	Complete
32	B2_32	B2_NW	6.54	0	NF		nothing found-Vallon checked	Complete	Complete
33	B2_33	B2_SE	6.49	6	MD	0.25	Frag & M1 clip	Complete	Complete
34	B2_34	B2_SW	6.45	5	MD	0.25	6 piece Frag	Complete	Complete
35	B2_35	B2_SE	6.24	2	RRD		1-aluminum can & 1' wire	Complete	Complete
36	B2_36	B2_NE	5.92	2	MD	0.25	4 piece Frag	Complete	Complete
37	B2_37	B2_SW	5.74	5	MD	0.25	Frag & communication wire	Complete	Complete
38	B2_38	B2_SE	5.56	1	MD		2-Frag	Complete	Complete
39	B2_39	B2_NW	5.45	2	MD	0.25	3 piece Frag	Complete	Complete
40	B2_40	B2_NE	5.26	3	MD	0.25	Frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
41	B2_41	B2_NE	5.21	3	MD	0.25	3-large piece aluminum Frag & 1-7.62 small arms cartridge	Complete	Complete
42	B2_42	B2_SE	5.11	3	MD		1-MK 2 grenade practice	Complete	Complete
43	B2_43	B2_SW	5.07	3	MD		2-5.56 cartridge, 2-aluminum Frag & 1-50 cal bullet	Complete	Complete
44	B2_44	B2_NW	5.05	1	RRD	0.25	4 piece 1.5' communication wire	Complete	Complete
45	B2_45	B2_SW	5.02	3	MD	0.5	3 piece Frag	Complete	Complete
46	B2_46	B2_NE	4.87	1	MD	0.25	3 piece Frag	Complete	Complete
47	B2_47	B2_NE	4.81	6	MD	0.25	5 piece Frag	Complete	Complete
48	B2_48	B2_SE	4.72	3	RRD		1-nail	Complete	Complete
49	B2_49	B2_SE	4.70	4	MD_RRD	1.25	4-piece brass, 5-piece Frag, wire & 2-nails	Complete	Complete
50	B2_50	B2_SE	4.61	2	MD		5-5.56 small arms cartridge	Complete	Complete
51	B2_51	B2_SE	4.52	3	MD		2-Frag	Complete	Complete
52	B2_52	B2_NE	4.41	2	MD	0.25	4 piece brass	Complete	Complete
53	B2_53	B2_SE	4.22	6	MD	0.75	M1 clip, 6-piece brass & 5-piece Frag	Complete	Complete
54	B2_54	B2_NE	4.18	0	NF		nothing found-Vallon checked	Complete	Complete
55	B2_55	B2_SW	4.18	4	MD	0.25	4 piece Frag	Complete	Complete
56	B2_56	B2_SW	4.04	1	MD_RRD		1-5.56 cartridge, 1-50 cal, 1-Frag & 1-large washer	Complete	Complete
57	B2_57	B2_SE	3.94	4	RRD		2-piece steel wire	Complete	Complete
58	B2_58	B2_NE	3.91	2	MD	0.25	4 piece Frag	Complete	Complete
59	B2_59	B2_SE	3.89	2	MD		5-5.56 small arms	Complete	Complete
60	B2_60	B2_NW	3.88	1	MD	0.5	7 piece Frag, aluminum & brass	Complete	Complete
61	B2_61	B2_SE	3.87	3	MD_RRD		1-20mm cartridge & 3 inch wire	Complete	Complete
62	B2_62	B2_NE	3.86	6	MD	0.5	Frag	Complete	Complete
63	B2_63	B2_SE	3.83	6	MD		2-50 cal cartridge, 1 Frag & 1-50 cal round	Complete	Complete
64	B2_64	B2_NW	3.82	2	MD	0.13	2 small piece Frag	Complete	Complete
65	B2_65	B2_NW	3.82	6	MD	0.25	4 piece Frag	Complete	Complete
66	B2_66	B2_NE	3.80	1	MEC_MD		1-small Frag & 1-7.62 small arms cartridge	Complete	Complete

MD = Munitions Debris

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
67	B2_67	B2_NE	3.80	4	MD	0.25	Frag	Complete	Complete
68	B2_68	B2_SE	3.68	2	MD		2-5.56 small arms	Complete	Complete
69	B2_69	B2_NE	3.59	6	MD	0.25	2-piece brass & 1-piece Frag	Complete	Complete
70	B2_70	B2_SW	3.58	1	MD		1-50 cal	Complete	Complete
71	B2_71	B2_SW	3.55	8	MD	0.25	2-piece Frag & 2-piece brass	Complete	Complete
72	B2_72	B2_SE	3.54	2	MD		4-7.62 small arms cartridge	Complete	Complete
73	B2_73	B2_SE	3.50	1	RRD		2-large nail & 1-Frag	Complete	Complete
74	B2_74	B2_NE	3.50	2	MD_RRD	0.25	cartridge case & wire	Complete	Complete
75	B2_75	B2_NW	3.50	1	MD	0.25	large piece aluminum	Complete	Complete
							1-7.62 small arms cartridge & 1-large nail	Complete	Complete
76	B2_76	B2_SE	3.48	3	MD_RRD			Complete	Complete
77	B2_77	B2_NE	3.40	0	RRD	0.25	3 piece Frag	Complete	Complete
78	B2_78	B2_SE	3.31	1	MD	0.5	50 cal round, 4-piece brass & 2-links	Complete	Complete
79	B2_79	B2_SW	3.31	1	MD		4-5.56 cartridge	Complete	Complete
80	B2_80	B2_NE	3.15	3	MD	0.25	Frag	Complete	Complete
							19-piece brass, 50 cal cartridge, M1 clip, 13-piece Frag & bundle wire	Complete	Complete
81	B2_81	B2_SE	3.08	6	MD_RRD	2		Complete	Complete
82	B2_82	B2_NW	3.06	12	MD	0.5	5 piece Frag	Complete	Complete
							2-large pieces aluminum & 2-7.62 small arms cartridge	Complete	Complete
1	B3_1	65	77.91	18	MD	2		Complete	Complete
							1-tail end of SUS, 1-large aluminum Frag & 2-7.62 small arms cartridge	Complete	Complete
2	B3_2	65	43.04	4	MD			Complete	Complete
							co-located with B3-13 (large piece Frag)	Complete	Complete
3	B3_3	65	36.18	0	MD			Complete	Complete
								Complete	Complete
4	B3_4	65	27.99	12	MD	8	1-large piece Frag & 1-small piece Frag	Complete	Complete
							2-large pieces Frag, 30mm projectile practice, SUS head & 2-large pieces aluminum	Complete	Complete
5	B3_5	65	21.84	8	MD	5		Complete	Complete
							1-7.62 small arms cartridge, 2-large pieces aluminum & steel Frag	Complete	Complete
6	B3_6	77	19.60	1	MD			Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
7	B3_7	65	18.40	1	MD		1-30mm projectile practice & aluminum steel	Complete	Complete
8	B3_8	B3_SW	17.79	2	MD		mortar fin	Complete	Complete
9	B3_9	65	16.76	6	MD	3	brass, 50 cal cartridge, large piece aluminum & large piece Frag	Complete	Complete
10	B3_10	B3_SW	15.74	12	MD	0.5	22-pieces brass & small piece Frag	Complete	Complete
11	B3_11	65	15.41	7	MD_RRD	1.5	large piece aluminum Frag & 10-ft banding strap	Complete	Complete
12	B3_12	77	15.21		MD		3-small piece Frag & 3-7.62 small arms	Complete	Complete
13	B3_13	65	14.47	10	MD	3.5	large piece Frag	Complete	Complete
14	B3_14	B3_NW	13.79	2	MD		1-pd fuze, 1-large Frag & aluminum Frag	Complete	Complete
15	B3_15	65	12.22	5	MD	0.5	brass, 3-cartridges & 2-large pieces Frag	Complete	Complete
16	B3_16	B3_SW	11.85	1	MD		1-5.56 cartridge & 5 small Frag	Complete	Complete
17	B3_17	77	11.02	2	MD		2-large Frag	Complete	Complete
18	B3_18	B3_SW	11.01	3	MD		2-med size Frag	Complete	Complete
19	B3_19	B3_SW	10.75	5	MD_RRD		4-5.56 small arms cartridge, 7" aluminum Frag & 5" steel wire	Complete	Complete
20	B3_20	65	10.54	2	MD		1-5.56 small arms cartridge, 1-aluminum Frag & 1-7.62 small arms cartridge	Complete	Complete
21	B3_21	B3_NW	10.03	2	MD		1-5.56 small arms cartridge, 1-aluminum Frag & 1-50 cal cartridge	Complete	Complete
22	B3_22	B3_NW	8.38	3	MD		5-5.56 small arms cartridge, 3-alum Frag, 1-small Frag, 2-7.62 cartridge & 1-50 cal cartridge	Complete	Complete
23	B3_23	B3_NW	8.24	7	MD	2	88-5.56 small arms cartridge, 1-blasting cap leg wires, 2.5 lbs steel Frag & 1-50 cal round	Complete	Complete
24	B3_24	B3_NW	7.89	4	MD_RRD	0.25	Frag 6-inch wire, trip flare & spike	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
25	B3_25	65	7.89	3	MD	0.5	12-pieces aluminum & small and large Frag	Complete	Complete
26	B3_26	B3_NW	7.57	1	MD		1-5.56 small arms cartridge	Complete	Complete
27	B3_27	77	7.39	2	MD		2-7.62 small arms cartridge & 2-Frag	Complete	Complete
28	B3_28	77	7.31	4	MD	0.25	4-pieces brass & large piece aluminum Frag (co-located with B3-42)	Complete	Complete
29	B3_29	B3_NW	7.23	1	MD		1-5.56 small arms cartridge & 1-50 cal cartridge	Complete	Complete
30	B3_30	65	6.94	1	MD		2-7.62 small arms cartridge	Complete	Complete
31	B3_31	65	6.57	4	MD	0.25	4-pieces Frag & 2-large pieces aluminum	Complete	Complete
32	B3_32	77	6.46	8	MD		4-pieces brass, 2-pieces Frag & 50 cal cartridge	Complete	Complete
33	B3_33	77	6.13	3	MD		2-5.56 small arms cartridge, 1-large piece alum, 1-50 cal cartridge & 2-7.62 small arms cartridge	Complete	Complete
34	B3_34	B3_NW	5.96	0	MD	0.25	3-inch aluminum Frag	Complete	Complete
35	B3_35	65	5.91	7	MD	1	1-large piece aluminum Frag	Complete	Complete
36	B3_36	B3_SW	5.91		MD		1-7.62 cartridge & 1-50 cal round	Complete	Complete
37	B3_37	B3_SW	5.50	2	MD_RRD		1-5.56 cartridge & wire	Complete	Complete
38	B3_38	77	5.50	1	MD		1-small Frag	Complete	Complete
39	B3_39	77	5.40	3	MD		5-7.62 small arms cartridge & 2-5.56 small arms cartridge	Complete	Complete
40	B3_40	B3_NW	5.36	3	MEC		1-5.56 small arms cartridge	Complete	Complete
41	B3_41	B3_SW	5.11	1	MD		1-50 cal cartridge & small piece aluminum	Complete	Complete
42	B3_42	77	5.10	7	RRD	3	metal bar & 1-piece wire	Complete	Complete
43	B3_43	77	5.08	1	MD		1-7.62 small arms cartridge	Complete	Complete
44	B3_44	65	5.07	3	MD_RRD		2-7.62 small arms cartridge, 1-large piece Frag & 1-large nail	Complete	Complete
45	B3_45	65	5.07	4	MD	0.25	large piece aluminum	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
46	B3_46	B3_SW	4.92	3	MD		3-5.56 cartridge, 2-7.62 cartridge, 1-small Frag & 1-50 cal round	Complete	Complete
47	B3_47	65	4.84	7	MD		3-7.62 small arms cartridge, 1-5.56 cartridge, 1-60mm pd fuze, 3-large Frag & 1 small wire	Complete	Complete
48	B3_48	B3_NW	4.61	2	MD	0.25	6-pieces Frag	Complete	Complete
49	B3_49	65	4.53	7	MD		3-Frag	Complete	Complete
50	B3_50	B3_SW	4.52	2	MD		1-37mm projectile, 1-50cal round w/cartridge, 2-7.62 cartridge & 2-small Frag	Complete	Complete
51	B3_51	B3_NW	4.37	2	MD		1-20mm projectile cartridge & 1-7.62 small arms cartridge	Complete	Complete
52	B3_52	77	4.32	5	MD	0.25	2-large piece aluminum & 2-large pieces Frag	Complete	Complete
53	B3_53	65	4.31	0	NF		nothing found-Vallon checked	Complete	Complete
54	B3_54	77	4.31	3	MD		2-7.62 small arms cartridge & 2-large pieces Frag	Complete	Complete
55	B3_55	B3_SW	4.29	2	MD		2-7.62 small arms & 2-Frag	Complete	Complete
56	B3_56	65	4.25	3	MD		4-Frag & 1-20mm cartridge	Complete	Complete
57	B3_57	65	4.19	0	MD_RRD	0.25	3-pieces Frag & 2-pieces barbed wire	Complete	Complete
58	B3_58	B3_NW	4.16	1	MD		1-5.56 small arms cartridge	Complete	Complete
59	B3_59	65	4.15		MD		2-5.56 small arms cartridge & 1-50 cal round	Complete	Complete
60	B3_60	B3_NW	4.06	4	MD	2	1-50 cal cartridge & 2 large Frag	Complete	Complete
61	B3_61	B3_SW	3.84	2	MD		5-5.56 small arms cartridge	Complete	Complete
62	B3_62	65	3.84	0	NF		nothing found-Vallon checked	Complete	Complete
63	B3_63	65	3.84	7	MD	0.03	brass & 2-cartridge cases	Complete	Complete
64	B3_64	77	3.80	6	MD		2-pieces Frag & 1-7.62 small arms cartridge	Complete	Complete
65	B3_65	B3_SW	3.79	7	MD	0.25	12-pieces brass	Complete	Complete
66	B3_66	65	3.71	1	MEC_MD		1-5.56 small arms cartridge, 1-7.62 small arms cartridge & 2-7.62 round	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
67	B3_67	B3_SW	3.56	4	MD_RRD	0.25	4-pieces M1 clip, Frag, bolt & wire	Complete	Complete
68	B3_68	65	3.52		MD		1-7.62 small arms cartridge, 1-50 cal round, 2-small pieces & Frag	Complete	Complete
69	B3_69	77	3.51	6	MD		1-50 cal cartridge & 1-Frag	Complete	Complete
70	B3_70	77	3.49	2	MD		2-small Frag	Complete	Complete
71	B3_71	B3_NW	3.43	6	MEC_MD		6-5.56 small arms, 2-small steel Frag & 1-5.56 small arms round	Complete	Complete
72	B3_72	65	3.43	2	MD		2-7.62 small arms cartridge, 1-50 cal cartridge	Complete	Complete
73	B3_73	B3_NW	3.40	2	MD_RRD	0.25	4-cartridge cases, 3-small pieces Frag & spike	Complete	Complete
74	B3_74	B3_SW	3.34	1	MD		4-5.56 cartridge & 1 large Frag	Complete	Complete
75	B3_75	B3_NW	3.30	5	MD	0.25	5-pieces aluminum & 1 piece Frag	Complete	Complete
76	B3_76	B3_NW	3.30	2	MD		2-7.62 small arms cartridge, 1-5.56 small arms cartridge & 1-50 cal round	Complete	Complete
77	B3_77	B3_NW	3.27	7	MD		2-5.56 small arms cartridge	Complete	Complete
78	B3_78	B3_SW	3.26	1	MD		2-small Frag	Complete	Complete
79	B3_79	B3_NW	3.25	5	MD	0.25	Frag & 50 cal round	Complete	Complete
80	B3_80	B3_NW	3.24	1	MD	0.25	7-pieces Frag & M1 clip	Complete	Complete
81	B3_81	65	3.21	6	MEC_MD		1-Jet perforator, 1-Frag, 3-20mm projectiles & 3-7.62 small arms	Complete	Complete
82	B3_82	B3_NW	3.20	4	MD	0.25	2-pieces brass & 2-pieces aluminum Frag	Complete	Complete
83	B3_83	77	3.20	1	MD		1-7.62 small arms cartridge & 1-small piece wire	Complete	Complete
84	B3_84	77	3.10	5	MD		1-small portion pd fuze, large nail & 2-small Frag	Complete	Complete
85	B3_85	B3_NW	3.10	1	MD	0.25	3 pieces brass & Frag	Complete	Complete
86	B3_86	65	3.08	4	MD		3-7.62 small arms cartridge & 3-small Frag	Complete	Complete
87	B3_87	77	3.06	7	MD_RRD		1-7.62 small arms cartridge & 2-small pieces wire	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
88	B3_88	B3_NW	3.03	4	MD		6-small Frag	Complete	Complete
89	B3_89	65	3.00	18	MD		3-5.56 small arms cartridge, 1-50 cal cartridge & Frag	Complete	Complete
1	B4_1	79	1777.88	0	RRD	60	Perforated Steel Plating 30in X 30in	Complete	Complete
3	B4_3	66	97.06	0	MD		Frag	Complete	Complete
6	B4_6	67	29.13	1	MD		Frag	Complete	Complete
9	B4_9	67	26.77	1	RRD		RRD	Complete	Complete
17	B4_17	79	17.01	1	MD		Frag	Complete	Complete
20	B4_20	79	9.95	2	RRD		RRD	Complete	Complete
22	B4_22	79	9.70	1	MD		Frag	Complete	Complete
23	B4_23	78	6.97	1	MD		Frag	Complete	Complete
27	B4_27	66	5.74	1	RRD		RRD	Complete	Complete
28	B4_28	66	5.69	2	RRD		RRD	Complete	Complete
29	B4_29	79	5.52	1	RRD		RRD	Complete	Complete
30	B4_30	66	4.95	2	RRD		RRD	Complete	Complete
31	B4_31	66	4.78	0	NF		nothing found-Vallon checked	Complete	Complete
32	B4_32	66	4.76	0	NF		nothing found-Vallon checked	Complete	Complete
33	B4_33	66	4.67	0	NF		nothing found-Vallon checked	Complete	Complete
34	B4_34	78	4.62	1	RRD		RRD	Complete	Complete
36	B4_36	79	4.42	0	NF		nothing found-Vallon checked	Complete	Complete
37	B4_37	78	4.29	0	RRD		RRD	Complete	Complete
38	B4_38	79	4.00	0	NF		nothing found-Vallon checked	Complete	Complete
39	B4_39	66	3.87	0	NF		nothing found-Vallon checked	Complete	Complete
40	B4_40	79	3.82	1	RRD		RRD	Complete	Complete
41	B4_41	78	3.75	0	NF		nothing found-Vallon checked	Complete	Complete
42	B4_42	79	3.63	0	RRD		RRD	Complete	Complete
43	B4_43	79	3.60	0	NF		nothing found-Vallon checked	Complete	Complete
44	B4_44	78	3.58	0	NF		nothing found-Vallon checked	Complete	Complete
45	B4_45	78	3.55	0	NF		nothing found-Vallon checked	Complete	Complete
46	B4_46	66	3.53	0	NF		nothing found-Vallon checked	Complete	Complete
47	B4_47	66	3.48	2	MD		Frag	Complete	Complete
48	B4_48	79	3.47	0	NF		nothing found-Vallon checked	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
49	B4_49	78	3.44	0	NF		nothing found-Vallon checked	Complete	Complete
50	B4_50	79	3.43	1	RRD		RRD	Complete	Complete
51	B4_51	66	3.34	0	RRD		RRD	Complete	Complete
52	B4_52	66	3.34	0	NF		nothing found-Vallon checked	Complete	Complete
53	B4_53	67	3.32	0	NF		nothing found-Vallon checked	Complete	Complete
54	B4_54	66	3.32	0	RRD		RRD	Complete	Complete
55	B4_55	78	3.30	1	MD		Frag	Complete	Complete
56	B4_56	66	3.29	0	NF		nothing found-Vallon checked	Complete	Complete
59	B4_59	78	3.07	0	RRD		RRD	Complete	Complete
60	B4_60	66	3.06	0	NF		nothing found-Vallon checked	Complete	Complete
62	B4_62	78	3.04	0	NF		nothing found-Vallon checked	Complete	Complete
1	Q67_1	67	21.89	38	MD	4	50 cal cartridge, 44-piece frag & 15' wire	Complete	Complete
2	Q67_2	67	21.88	36	MD_RRD	6	30-piece frag & 10' wire	Complete	Complete
3	Q67_3	67	18.97	30	MEC_MD_RR	10	32-piece frag, 3-20mm projectiles & 18" wire	Complete	Complete
4	Q67_4	67	18.35	29	MD_RRD	5	3-piece frag & 6" wire	Complete	Complete
5	Q67_5	67	17.34	32	MD_RRD	2	1-piece frag, 6-piece brass & 12" wire	Complete	Complete
6	Q67_6	67	15.96	39	MEC_MD_RR	9	35-piece frag, 40-20mm projectiles & 20-piece RRD	Complete	Complete
7	Q67_7	67	15.19	24	MD_RRD	5	10-piece frag & 15-piece RRD	Complete	Complete
8	Q67_8	67	14.47	38	MD	10	5-50 cal round, 20-piece frag, 14-piece brass & 3-30mm practice	Complete	Complete
9	Q67_9	67	10.94	36	MD_RRD	3	1-30 cal, 9-piece frag, 2-cartridge casings, small arms & 2' wire	Complete	Complete
10	Q67_10	67	10.25	28	MD_RRD	3	12-piece frag, 6-piece brass, 1-50 cal cartridges & 2' wire	Complete	Complete
11	Q67_11	67	9.16	16	MD	0.25	4-piece frag	Complete	Complete
12	Q67_12	67	9.11	36	MD_RRD	4	5-piece frag, 2-piece brass, 30mm practice, 3' wire & 14-piece RRD	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
13	Q67_13	67	7.94	22	MD_RRD	3	5-50 cal cartridge, 20-piece frag, 1-50 cal, 2-20mm cartridge, 5-piece brass, 1-20mm projectile & 5' wire	Complete	Complete
14	Q67_14	67	7.87	18	MD_RRD	4	31-piece frag & 51-piece RRD	Complete	Complete
15	Q67_15	67	5.82	18	MD	6	2-piece frag & 1-50 cal bullet	Complete	Complete
16	Q67_16	67	5.75	24	MEC_MD	7	13-piece frag, 7-piece brass & 1-impulse cartridge	Complete	Complete
17	Q67_17	67	3.80	12	MD_RRD	1.5	1-20mm projectile, 3-piece brass & 2-piece wire	Complete	Complete
14	B5_14	80	13.45	6	MD	3	25-piece Frag & brass	Complete	Complete
22	B5_22	80	7.90	1	RRD		RRD	Complete	Complete
32	B5_32	80	4.88	1	MD		Frag	Complete	Complete
39	B5_39	80	3.88	0	NF		nothing found-Vallon checked	Complete	Complete
40	B5_40	80	3.63	1	MD	0.5	Frag	Complete	Complete
1	Q68_1	68	82.58	0	MD_RRD		co located with Q69 (23-pieces RRD & 84 pieces frag)	Complete	Complete
1	Q69_1	69	173.06	12	MD_RRD	25	84-piece Frag & 23-piece RRD	Complete	Complete
1	Q80_1	80	32.44	21	MD_RRD	15	3.5" rocket motor, small rifle grenade, 20-piece Frag & 5-piece RRD	Complete	Complete
1	Q81_1	81	34.36	30	MD_RRD	17	26-20mm projectiles, 4-jet perforators, 37-piece Frag & 3-piece RRD	Complete	Complete
2	Q69_2	69	58.21	12	MD_RRD	20	127-piece Frag & 7-piece RRD	Complete	Complete
2	Q80_2	80	22.77	36	MD_RRD	30	106-piece Frag & 80-piece RRD	Complete	Complete
2	Q81_2	81	32.56	12	MD_RRD	7	28-piece Frag & 9-piece RRD	Complete	Complete
2	Q68_2	68	42.88		MEC_MD_RRD		co located with 2,4, 8, 14, 16 Q68 ('146-piece Frag, 26-piece MEC-20mm Projectiles & 40-piece RRD)	Complete	Complete
3	Q68_3	68	37.06	12	MD_RRD	2.5	5-piece Frag & 9-piece RRD	Complete	Complete
3	Q69_3	69	38.89	10	MD_RRD	1.5	6-piece Frag & 5-piece RRD	Complete	Complete
3	Q80_3	80	22.03	36	MD_RRD	20	150-piece Frag & 40-piece RRD	Complete	Complete
3	Q81_3	81	28.98	12	MD_RRD	3	17-piece Frag & 7-piece RRD	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
4	Q69_4	69	34.06	12	MD_RRD	3	3-piece Frag & 4-piece RRD	Complete	Complete
4	Q80_4	80	21.95	36	MD_RRD	12	121-piece Frag & 40-piece RRD	Complete	Complete
4	Q81_4	81	21.08	28	MD_RRD	15	8-piece Frag & 15-piece RRD	Complete	Complete
4	Q68_4	68	24.15		MEC_MD_RRD		co located with 2,4, 8, 14, 16 Q68 ('146-piece Frag, 26-piece MEC-20mm Projectiles & 40-piece RRD)	Complete	Complete
5	Q81_5	81	18.98	18	MD	3	2-MK 13 signal & 26-piece Frag	Complete	Complete
5	Q68_5	68	21.28	6	MD_RRD	1.5	4-piece Frag & 6-piece RRD	Complete	Complete
5	Q69_5	69	24.65	18	MD_RRD	20	3.5" practice rocket, 53-piece Frag & 19-piece RRD	Complete	Complete
5	Q80_5	80	13.96	0	MD_RRD		121-piece Frag & 30-piece RRD	Complete	Complete
6	Q69_6	69	24.29	4	MD	1	5-piece Frag	Complete	Complete
6	Q68_6	68	19.31	18	MD_RRD	2	2-piece Frag & 2-piece RRD	Complete	Complete
6	Q80_6	80	13.09	24	MD_RRD	5	co located with Q81#2 (28-piece Frag & 19-piece RRD)	Complete	Complete
6	Q81_6	81	13.07	24	RRD	6	3-piece RRD	Complete	Complete
7	Q68_7	68	18.77	30	MD_RRD	3	10-piece Frag & 20-piece RRD	Complete	Complete
7	Q69_7	69	20.87	8	MD_RRD	2	7-piece Frag & 11-piece RRD	Complete	Complete
7	Q80_7	80	9.63	24	MD_RRD	4	20-piece Frag & 15-piece RRD	Complete	Complete
7	Q81_7	81	12.57	12	MD_RRD	8	44-piece Frag & 15-piece RRD	Complete	Complete
8	Q69_8	69	17.90	18	MD_RRD	6	26-piece Frag & 2-piece RRD	Complete	Complete
8	Q80_8	80	7.77	36	MD_RRD	12	26-piece Frag & 9-piece RRD	Complete	Complete
8	Q81_8	81	12.18	6	MD_RRD	1	12-piece Frag, 15-piece RRD & 1-steel rod	Complete	Complete
8	Q68_8	68	18.63		MEC_MD_RRD		co located with 2,4, 8, 14, 16 Q68 ('146-piece Frag, 26-piece MEC-20mm Projectiles & 40-piece RRD)	Complete	Complete
9	Q68_9	68	16.82	24	MD_RRD	2.5	15-piece Frag & 20-piece RRD	Complete	Complete
9	Q69_9	69	15.07	8	MD_RRD	2	4-piece MD, 1-30mm projectile practice & 6-piece RRD	Complete	Complete
9	Q80_9	80	6.95	24	MD_RRD	4	80-piece Frag & 40-piece RRD	Complete	Complete
9	Q81_9	81	9.81	12	MD_RRD	7	40-piece Frag & 13-piece RRD	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
10	Q81_10	81	9.06	0	MD	0.5	4-piece Frag	Complete	Complete
10	Q68_10	68	16.67	3	MD_RRD	0.5	3-piece Frag & 4-piece RRD	Complete	Complete
10	Q69_10	69	14.28	6	MD_RRD	1	4-piece Frag & 6-piece RRD	Complete	Complete
10	Q80_10	80	6.87	24	MD_RRD	7	20-piece Frag & 7-piece RRD	Complete	Complete
11	Q69_11	69	11.62	2	MD	1.5	2-piece Frag & 20mm cartridge case	Complete	Complete
11	Q68_11	68	15.43	18	MD_RRD	6	30-piece Frag & 10-piece RRD	Complete	Complete
11	Q80_11	80	6.81	20	MD_RRD	4	60-piece Frag & 25-piece RRD	Complete	Complete
11	Q81_11	81	7.24	12	MD_RRD	10	84-piece Frag & 27-piece RRD	Complete	Complete
12	Q68_12	68	15.32	38	MD_RRD	6	15-piece Frag, 30mm practice, 50 cal round, 10-piece brass, 14-piece RRD & 4-20mm link	Complete	Complete
12	Q69_12	69	8.38	6	MD_RRD	2	4-piece Frag & 1-piece angle iron	Complete	Complete
12	Q80_12	80	6.62	36	MD_RRD	7	61-piece Frag & 31-piece RRD	Complete	Complete
12	Q81_12	81	7.04	3	MD_RRD	0.5	4-piece Frag & 2-piece RRD	Complete	Complete
13	Q69_13	69	8.94	0	MD	0.25	M49 trip flare racket	Complete	Complete
13	Q68_13	68	14.21	18	MD_RRD	6	30-piece Frag & 5-piece RRD	Complete	Complete
13	Q80_13	80	5.34	24	MD_RRD	4	15-piece Frag & 8-piece RRD	Complete	Complete
13	Q81_13	81	6.97	14	MD_RRD	6	30-piece Frag & 10-piece RRD	Complete	Complete
14	Q69_14	69	8.20	4	MD_RRD	1.5	2-piece Frag & 3-piece RRD	Complete	Complete
14	Q80_14	80	4.72	10	MD_RRD	2	8-piece Frag & 2-piece RRD	Complete	Complete
14	Q81_14	81	6.24	0	MD_RRD		co located with Q81_11 (84-piece Frag & 27-piece RRD)	Complete	Complete
14	Q68_14	68	12.82		MEC_MD_RRD		co located with 2,4, 8, 14, 16 Q68 ('146-piece Frag, 26-piece MEC-20mm Projectiles & 40-piece RRD)	Complete	Complete
15	Q69_15	69	8.17	6	MD_RRD	1	8-piece Frag & 2-piece RRD	Complete	Complete
15	Q80_15	80	4.12	24	MD_RRD	4	21-piece Frag & 4-piece RRD	Complete	Complete
15	Q81_15	81	5.92	1	MD_RRD	0.5	3-piece Frag & 2-piece RRD	Complete	Complete
15	Q68_15	68	11.80	24	MEC_MD	6	1-50 cal bullet, 3-piece Frag, 1-impulse cartridge & 1-20mm projectile	Complete	Complete
16	Q69_16	69	7.62	6	MD_RRD	0.5	2-piece Frag & 4-piece RRD	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
16	Q80_16	80	3.88	24	MD_RRD	2	10-piece Frag & 1-piece RRD	Complete	Complete
16	Q81_16	81	5.40	30	MD_RRD	5	2-cartridge actuated device, 2-.50 cal, 21-piece Frag & 6-piece RRD	Complete	Complete
16	Q68_16	68	11.48	36	MEC_MD_RR	42	146-piece Frag, 26-piece MEC & 40- piece RRD	Complete	Complete
17	Q68_17	68	11.45	4	MD_RRD	0.75	3-piece Frag & 3-piece RRD	Complete	Complete
17	Q69_17	69	6.23	6	MD_RRD	0.75	3-piece Frag, 3-piece brass & 3-piece RRD	Complete	Complete
17	Q81_17	81	5.14	12	MD_RRD	2	6-piece Frag & 12-piece RRD	Complete	Complete
18	Q68_18	68	11.13	24	MD_RRD	10	74-piece Frag & 15-piece RRD	Complete	Complete
18	Q69_18	69	5.64	8	MD_RRD	1	3-piece Frag & 5-piece RRD	Complete	Complete
18	Q81_18	81	5.13	12	MD_RRD	2	1-M6 cap, 10-piece Frag & 3-piece RRD	Complete	Complete
19	Q68_19	68	7.56	6	MD	2	6-piece Frag	Complete	Complete
19	Q81_19	81	4.22	42	MD_RRD	12	45-piece Frag & 12-piece RRD	Complete	Complete
19	Q69_19	69	5.05	3	RRD	0.5	2-piece brass, 4-piece Frag & 2-piece RRD	Complete	Complete
20	Q69_20	69	3.91	2	MD	0.25	2-piece Frag	Complete	Complete
20	Q81_20	81	3.53	8	MD	1	3-piece Frag	Complete	Complete
20	Q68_20	68	6.17	6	MD_RRD	2	2-piece Frag & 4-piece RRD	Complete	Complete
21	Q68_21	68	5.41	18	MD_RRD	2	10-piece Frag & 5-piece RRD	Complete	Complete
21	Q69_21	69	3.66	4	MD_RRD	0.25	3-piece brass, 4-piece Frag & 2-piece RRD	Complete	Complete
21	Q81_21	81	3.31	7	MD_RRD	1	4-piece Frag & 5-piece RRD	Complete	Complete
22	Q68_22	68	4.73	18	MD_RRD	1	15-piece Frag & 5-piece RRD	Complete	Complete
22	Q69_22	69	3.03	12	MD_RRD	1.5	4-piece Frag & 4-piece RRD	Complete	Complete
23	Q69_23	69	3.01	4	MD	0.25	2-piece Frag	Complete	Complete
23	Q68_23	68	3.68	6	MD_RRD	0.5	6-piece Frag & 4-piece RRD	Complete	Complete
24	Q68_24	68	3.63	3	MD	0.25	4-piece Frag	Complete	Complete
25	Q68_25	68	3.38	3	MD	0.25	5-piece Frag	Complete	Complete
26	Q68_26	68	3.28	3	MD	0.25	3-piece Frag	Complete	Complete

MD = Munitions Debris

RRD = Range Related Debris

NF = No Find

MEC = Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
1	Q70_1	70	35.82	6	MD_RRD	4	12-piece frag, 1-piece alloy & 6-piece RRD	Complete	Complete
1	Q71_1	71	112.80	12	MD_RRD	3	19-piece frag & 1-dig pick iron	Complete	Complete
1	Q82_1	82	76.89	22	MD_RRD	6	10-piece frag, 2-30mm practice, 1-angle iron & 9-piece RRD	Complete	Complete
1	Q83_1	83	51.34	12	MD_RRD	4.5	30mm dummy, brass, frag & RRD	Complete	Complete
2	Q70_2	70	29.44	2	MD	5	2-piece frag	Complete	Complete
2	Q71_2	71	68.40	12	MD_RRD	8	7-piece frag, 6-piece RRD & large piece steel	Complete	Complete
2	Q82_2	82	42.00	24	MD_RRD	6	11-piece frag & 3-piece RRD	Complete	Complete
2	Q83_2	83	47.91	24	MD_RRD	9.5	30mm dummy, brass, frag & RRD	Complete	Complete
3	Q70_3	70	26.58	6	MD_RRD	2	4-piece frag, 1-30mm practice & 10-piece RRD	Complete	Complete
3	Q71_3	71	57.99	4	MD_RRD	4	large piece aluminum, 6-piece frag, 8-piece brass & 2-piece RRD	Complete	Complete
3	Q82_3	82	15.94	24	MD_RRD	4	11-piece MD & 9-piece RRD	Complete	Complete
3	Q83_3	83	47.37	18	MD_RRD	5	10-piece frag, 5-piece RRD & 2-nails	Complete	Complete
4	Q70_4	70	22.74	18	MD_RRD	10	10-piece frag, 1-30mm practice & 8-piece RRD	Complete	Complete
4	Q71_4	71	44.23	18	MD_RRD	5	22-piece frag & 4-piece RRD	Complete	Complete
4	Q82_4	82	11.58	10	MD_RRD	3	12-piece frag & 10-piece RRD	Complete	Complete
4	Q83_4	83	44.19	24	MD_RRD	5	63-piece MD & 8-piece RRD	Complete	Complete
5	Q70_5	70	15.17	12	MD_RRD	10	29-piece frag, 1-angle iron & 21-piece RRD	Complete	Complete
5	Q71_5	71	24.62	15	MD_RRD	2	5-piece frag & 6-piece RRD	Complete	Complete
5	Q82_5	82	10.56	18	MD_RRD	3	24-piece frag & 8-piece RRD	Complete	Complete
5	Q83_5	83	33.72	12	MD_RRD	2	10-piece MD & 4-piece RRD	Complete	Complete
6	Q70_6	70	13.44	12	MD_RRD	1	7-piece MD & 1-piece RRD	Complete	Complete
6	Q71_6	71	23.84	18	MD_RRD	6	21-piece frag, 2-20mm cartridge case & 3-piece RRD	Complete	Complete
6	Q82_6	82	9.22	6	MD_RRD	1	3-piece frag, 2-piece brass, hinge & 6-piece RRD	Complete	Complete

MD = Munitions Debris

RRD = Range Related Debris

NF = No Find

MEC = Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
6	Q83_6	83	29.72	10	MD_RRD	1.5	11-piece MD & 5-piece RRD	Complete	Complete
7	Q70_7	70	13.21	18	MD_RRD	15	21-piece frag & 13-piece RRD	Complete	Complete
7	Q71_7	71	21.34	18	MD_RRD	4	28-piece frag & 1-piece RRD	Complete	Complete
7	Q82_7	82	9.14	2	MD_RRD	3	8-piece frag, 2-30mm practice & 2-piece RRD	Complete	Complete
7	Q83_7	83	29.43	12	MD_RRD	7	20-piece frag, 7-piece brass, 30mm practice & 7-piece RRD	Complete	Complete
8	Q70_8	70	12.24	8	MD_RRD	1	5-piece frag & 10-piece RRD	Complete	Complete
8	Q71_8	71	17.06	18	MD_RRD	2.5	12-piece frag & 3-piece RRD	Complete	Complete
8	Q82_8	82	8.03	8	MD_RRD	3	18-piece frag & 2-piece RRD	Complete	Complete
8	Q83_8	83	27.74	12	MD_RRD	5	12-piece MD, 2-30mm practice & 10-piece RRD	Complete	Complete
9	Q70_9	70	10.26	4	MD_RRD	2	2-piece brass, 5-piece frag, expended perforator & 2-nails	Complete	Complete
9	Q71_9	71	13.59	4	MD_RRD	3	10-piece brass, 7-piece frag & 3-piece RRD	Complete	Complete
9	Q82_9	82	7.02	9	MD_RRD	1.5	20-piece frag	Complete	Complete
9	Q83_9	83	26.99	18	MD_RRD	2	18-piece MD & 17-piece RRD	Complete	Complete
10	Q70_10	70	10.15	8	MD_RRD	0.5	4-piece frag & 6-piece RRD	Complete	Complete
10	Q71_10	71	13.34	18	MD_RRD	4	4-30mm practice, 4-piece frag & 1-link	Complete	Complete
10	Q82_10	82	6.92	24	MD_RRD	2	5-piece frag & 2-piece RRD	Complete	Complete
10	Q83_10	83	18.36	18	MD_RRD	3	12-piece frag & 3-piece RRD	Complete	Complete
11	Q70_11	70	9.55	2	MD_RRD	0.25	1-20mm projectile	Complete	Complete
11	Q71_11	71	10.95	18	MD_RRD	5	8-piece brass, 22-piece frag, 5-20mm cartridge case & 6-piece RRD	Complete	Complete
11	Q82_11	82	5.61	4	MD_RRD	1	4-piece frag, 2-cartridge cases, communication wire, & 2-piece RRD	Complete	Complete
11	Q83_11	83	17.98	11	MD_RRD	2	21-piece MD & 5-piece RRD	Complete	Complete
12	Q70_12	70	8.96	12	MD_RRD	3	8-piece brass, 16-piece frag & 7-piece RRD	Complete	Complete
12	Q71_12	71	10.52	36	MD_RRD	5	35-piece frag & 13-piece RRD	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

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MEC = Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
12	Q82_12	82	5.29	24	MD_RRD	5	75-piece frag & 19-piece RRD	Complete	Complete
12	Q83_12	83	17.78	18	MD_RRD	3	55-piece MD, 5-piece brass & 13-piece RRD	Complete	Complete
13	Q70_13	70	8.93	6	MD_RRD	1.5	4-piece frag, 20mm cartridge cases, 50 cal cartridge cases & 2-piece RRD	Complete	Complete
13	Q71_13	71	8.53	12	MD_RRD	7.5	12-piece frag & 11-piece RRD	Complete	Complete
13	Q82_13	82	5.11	14	MD_RRD	1	15-piece frag, 18-piece brass & 4-piece RRD	Complete	Complete
13	Q83_13	83	17.59	12	MD_RRD	5	3-30mm dummy, 13-piece MD & 10-piece RRD	Complete	Complete
14	Q70_14	70	8.20	12	MD_RRD	1.5	18-piece MD & 7-piece RRD	Complete	Complete
14	Q71_14	71	7.79	8	MD_RRD	5	2-piece frag, 3-20mm cartridge case & 4-piece RRD	Complete	Complete
14	Q82_14	82	4.83	4	MD_RRD	1	6-piece frag, 4-piece brass & 3-piece RRD	Complete	Complete
14	Q83_14	83	11.58	12	MD_RRD	4	35-piece MD & 25-piece RRD	Complete	Complete
15	Q83_15	83	11.25	3	MD	0.25	5-piece MD	Complete	Complete
15	Q70_15	70	8.00	28	MD_RRD	6	49-piece MD & 10-piece RRD	Complete	Complete
15	Q71_15	71	6.86	18	MD_RRD	1.5	9-piece frag & 5-piece RRD	Complete	Complete
15	Q82_15	82	4.42	3	MD_RRD	2	4-piece MD & 1-piece RRD	Complete	Complete
16	Q70_16	70	6.78	4	MD	0.5	2-piece frag	Complete	Complete
16	Q71_16	71	6.28	0	MD		co located with Q70 target 16 (2-piece frag)	Complete	Complete
16	Q82_16	82	3.51	14	MD_RRD	1	8-piece frag & 10-piece RRD	Complete	Complete
16	Q83_16	83	10.82	24	MD_RRD	7	12-piece MD, 6-piece brass & 11-piece RRD	Complete	Complete
17	Q70_17	70	6.63	10	MD_RRD	1	3-piece frag & 1-piece RRD	Complete	Complete
17	Q71_17	71	5.80	8	MD_RRD	1	3-piece frag & 11-piece RRD	Complete	Complete
17	Q82_17	82	3.47	20	MD_RRD	2	23-piece frag & 26-piece RRD	Complete	Complete
17	Q83_17	83	10.62	16	MD_RRD	5.5	frag, brass & RRD	Complete	Complete
18	Q70_18	70	5.30	12	MD_RRD	0.5	7-piece frag & 3-piece RRD	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

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MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
18	Q71_18	71	5.28	8	MD_RRD	1.5	14-piece frag, 6-piece RRD & 1-piece 2' communication wire	Complete	Complete
18	Q83_18	83	8.41	20	MD_RRD	2	19-piece MD, 2-piece brass & 8-piece RRD	Complete	Complete
19	Q70_19	70	5.16	12	MD_RRD	1.5	22-piece frag & 14-piece RRD	Complete	Complete
19	Q71_19	71	5.16	60	MD_RRD	0.5	6-piece frag & 3-piece RRD	Complete	Complete
19	Q83_19	83	7.38	14	MD_RRD	5	7-piece frag, brass & 4-piece RRD	Complete	Complete
20	Q70_20	70	4.56	12	MD	2	6-piece brass & 10-piece frag	Complete	Complete
20	Q71_20	71	4.92	72	MD_RRD	1	4-piece frag, 1-50 cal bullet head & 2-piece RRD	Complete	Complete
20	Q83_20	83	7.25	8	MD_RRD	2	21-piece MD, 30mm dummy & 7-piece RRD	Complete	Complete
21	Q70_21	70	4.35	6	MD	0.5	4-piece MD	Complete	Complete
21	Q71_21	71	4.81	8	MD_RRD	3	16-piece frag & 16-piece RRD	Complete	Complete
21	Q83_21	83	5.80	8	MD_RRD	3	8-piece MD & 3-piece RRD	Complete	Complete
22	Q70_22	70	4.17	6	MD_RRD	2	9-piece3 frag, 1-piece brass & 9-piece RRD	Complete	Complete
22	Q71_22	71	4.70	8	MD_RRD	0.75	4-piece frag & 7-piece RRD	Complete	Complete
22	Q83_22	83	4.97	6	MD_RRD	1	10-piece frag & 2-piece RRD	Complete	Complete
23	Q70_23	70	4.15	6	MD_RRD	4	1-piece frag & 8-piece RRD	Complete	Complete
23	Q71_23	71	4.67	18	MD_RRD	3	31-piece frag & 23-piece RRD	Complete	Complete
23	Q83_23	83	4.77	20	MD_RRD	0.5	18-piece MD & 10-piece RRD	Complete	Complete
24	Q70_24	70	3.79	4	MD_RRD	0.5	4-piece MD & 6-piece RRD	Complete	Complete
24	Q71_24	71	4.65	8	MD_RRD	1.5	4-piece frag, 1-expanded MK 13 flare & 5-piece RRD	Complete	Complete
24	Q83_24	83	4.62	3	MD_RRD	0.25	7-piece MD & 2-piece RRD	Complete	Complete
25	Q70_25	70	3.56	6	MD	0.5	16-piece frag	Complete	Complete
25	Q71_25	71	3.65	12	MD_RRD	6	36-piece frag & 20-piece RRD	Complete	Complete
25	Q83_25	83	4.47	30	MD_RRD	8	3-piece brass, 2-40mm cartridge cases, rommel stake & RRD	Complete	Complete
26	Q70_26	70	3.41	6	MD_RRD	0.5	4-piece frag & 2-piece RRD	Complete	Complete
26	Q71_26	71	3.17	8	MD_RRD	1	6-piece frag & 2-piece RRD	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC = Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
26	Q83_26	83	4.23	12	MD_RRD	1	8-piece MD & 10-piece RRD	Complete	Complete
27	Q70_27	70	3.35	6	MD	0.25	4-piece MD	Complete	Complete
27	Q83_27	83	4.21	12	MD_RRD	1	3-piece frag, 1-piece brass, 3-nails & RRD	Complete	Complete
28	Q70_28	70	3.06	4	MD_RRD	0.25	7-piece frag & 3-piece RRD	Complete	Complete
28	Q83_28	83	3.82		MD_RRD	0.5	3-piece MD & 1-piece RRD	Complete	Complete
29	Q83_29	83	3.75	18	MD	2	12-piece frag	Complete	Complete
30	Q83_30	83	3.54	12	MD_RRD	1.5	8-piece MD & 4-piece RRD	Complete	Complete
31	Q83_31	83	3.30	20	MD_RRD	0.25	3-piece MD & 6-piece RRD	Complete	Complete
32	Q83_32	83	3.11	10	MD_RRD	0.25	4-piece frag & 2-piece RRD	Complete	Complete
33	Q83_33	83	3.00	1	MD	0.25	2-piece MD	Complete	Complete
1	B7_1	84	202.44	24	MD	40	20mm cartridge, 50 cal round & small arms	Complete	Complete
2	B7_2	84	37.75	0	MD	20	20mm cartridge, 50 cal round & small arms	Complete	Complete
3	B7_3	84	21.58	3	RRD	0.5	large copper tube	Complete	Complete
4	B7_4	84	10.33	6	MD_RRD	1	20mm practice, aluminum, clump wire & plate	Complete	Complete
5	B7_5	84	9.03	8	MD	0.25	7-piece brass	Complete	Complete
6	B7_6	84	8.74	18	MD	1	assorted brass	Complete	Complete
7	B7_7	84	7.66	18	MD	0.25	2-20mm cartridge casing & 2-piece aluminum	Complete	Complete
8	B7_8	84	7.22	3	MD_RRD		co-located with B7_13 (20-piece brass, 5-piece frag, cap wire & 3-nails)	Complete	Complete
9	B7_9	85	6.60	4	MD	0.5	30mm practice & 5-piece brass	Complete	Complete
10	B7_10	85	6.20	3	MD	0.25	large piece aluminum & 20mm cartridge	Complete	Complete
11	B7_11	84	5.91	3	MD	0.25	frag & brass	Complete	Complete
12	B7_12	84	5.86	12	MD_RRD	0.25	aluminum, 20mm cartridge & wire	Complete	Complete
13	B7_13	84	5.53	5	MD_RRD	2	20-piece brass, 5-piece frag, cap wire & 3-nails	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
14	B7_14	84	5.44	3	RRD	0.5	large piece metal	Complete	Complete
15	B7_15	84	5.19	0	MD	0.025	1-piece brass	Complete	Complete
16	B7_16	84	5.06	1	MD	0.025	2-piece brass	Complete	Complete
17	B7_17	85	4.96	3	MD	0.25	3-piece brass & 50cal round	Complete	Complete
18	B7_18	84	4.58	1	MD	0.25	50 cal round & small piece frag	Complete	Complete
19	B7_19	84	4.38	5	MD_RRD	0.25	6-piece brass, wire & 2-nails	Complete	Complete
20	B7_20	84	4.15	3	MD_RRD	0.25	3-piece brass & wire	Complete	Complete
21	B7_21	84	3.77	0	MD_RRD	0.25	20mm cartridge case, 3-piece frag, 3-piece brass & 2-piece wire	Complete	Complete
22	B7_22	84	3.72	0	MD	0.25	3-cartridge case	Complete	Complete
23	B7_23	84	3.58	6	MD_RRD	0.25	3-piece brass, 2-slugs & 2-piece wire	Complete	Complete
1	B7_1	85	55.73	2	MD	0.25	3-piece aluminum & 2-piece frag	Complete	Complete
2	B7_2	72	52.74	7	MD	1	3-piece frag	Complete	Complete
3	B7_3	72	48.81	3	MD_RRD	1.5	5-piece brass, 5-piece frag, 20mm cartridge & 2-piece wire	Complete	Complete
4	B7_4	72	45.60	6	MD_RRD	2	3-piece frag & 2-piece wire	Complete	Complete
5	B7_5	72	39.57	0	MD	10	1-piece aluminum & 3-piece brass	Complete	Complete
6	B7_6	72	36.66	0	MD_RRD	1	M60 ignitor, 2-piece brass, 5-piece frag & 10' wire	Complete	Complete
7	B7_7	72	33.69	3	MD	6	7-piece frag	Complete	Complete
8	B7_8	85	31.05	2	MD_RRD	0.75	2-piece frag & 2-piece wire	Complete	Complete
9	B7_9	85	31.00	2	MD	1	2-piece frag & plate of alloy	Complete	Complete
10	B7_10	72	24.09	6	MD_RRD	15.75	2-50 cal round, 3-piece brass & 4' wire	Complete	Complete
12	B7_12	72	22.96	2	MD_RRD	1.5	7-20mm cartridge, 6-piece brass, M1 clip & 3' wire	Complete	Complete
13	B7_13	84	21.68	8	MD_RRD	2	3-large piece frag & small bolt	Complete	Complete
14	B7_14	85	19.76	4	MD_RRD	0.75	3-piece brass & large piece aluminum	Complete	Complete
15	B7_15	72	19.70	0	NF		nothing found- vallon checked	Complete	Complete
16	B7_16	72	18.53	3	MD	0.75	3-piece brass & large piece aluminum	Complete	Complete
19	B7_19	72	18.42	0	NF		nothing found- vallon checked	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
21	B7_21	85	16.43	4	MD_RRD	4	9-piece frag, 4-piece brass & large piece wire	Complete	Complete
22	B7_22	72	16.41		NF		Located in washout	Complete	Complete
23	B7_23	72	16.35	3	MD	3	13-piece frag	Complete	Complete
24	B7_24	85	16.06	3	MD	1	4-large piece frag & large piece aluminum	Complete	Complete
25	B7_25	85	14.94	3	MD_RRD	1.5	2-piece frag, 1-piece aluminum, large piece brass & 2-nails	Complete	Complete
26	B7_26	85	14.76	5	MD_RRD	1.5	3-piece brass, large piece frag_2-piece wire	Complete	Complete
27	B7_27	85	14.21	2	MD_RRD	0.5	2-piece brass_1' wire	Complete	Complete
28	B7_28	72	13.75	6	MD	5	2-30mm practice & 5-piece frag	Complete	Complete
29	B7_29	72	13.68	6	MD_RRD	0.25	2-piece frag & 3-piece wire	Complete	Complete
31	B7_31	85	11.42	1	MD_RRD	0.25	5-piece frag	Complete	Complete
32	B7_32	72	11.28		NF		Located in washout	Complete	Complete
33	B7_33	72	11.15	4	MD	0.5	6-piece frag	Complete	Complete
34	B7_34	85	11.02	0	NF		nothing found-Vallon checked	Complete	Complete
35	B7_35	72	10.74	2	MD	0.5	2-piece aluminum	Complete	Complete
37	B7_37	72	10.52	8	MD	0.25	2-piece frag, 3-piece brass & 1-practice	Complete	Complete
38	B7_38	85	9.64	3	MD_RRD	1	3-piece frag, 3-piece bras & 2-piece wire	Complete	Complete
39	B7_39	72	9.17		NF		Located in washout	Complete	Complete
42	B7_42	72	8.70	5	MD_RRD	0.5	3-piece frag, 3-7.62 cartridge cases & 4' wire	Complete	Complete
43	B7_43	72	8.56	2	MD	0.25	3-piece brass	Complete	Complete
44	B7_44	72	8.51	3	MD	0.5	8-piece frag & 1-piece wire	Complete	Complete
45	B7_45	85	8.42	5	MD	1	20mm cartridge, 3-piece frag & 4-piece brass	Complete	Complete
46	B7_46	72	8.31	4	MD	0.75	3-piece frag & 5-piece brass	Complete	Complete
47	B7_47	85	8.29	3	MD		co located with B7-1 (3-piece aluminum & 2-piece frag)	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
48	B7_48	72	8.11	0	NF		Located in washout	Complete	Complete
50	B7_50	72	7.88	0	NF		Located in washout	Complete	Complete
51	B7_51	85	7.73	3	MD	0.5	2-piece brass, 2-50 cal round & 2-piece frag	Complete	Complete
52	B7_52	72	7.63	8	MD	1.25	13-piece frag	Complete	Complete
53	B7_53	72	7.62		NF		Located in washout	Complete	Complete
58	B7_58	72	6.68	2	MD_RRD	1	6-piece frag & 8-piece RRD	Complete	Complete
59	B7_59	72	6.65	3	MD_RRD	0.5	50 cal round & 20mm cartridge	Complete	Complete
62	B7_62	85	6.26	6	MD_RRD	0.5	6-piece brass & 4-piece frag	Complete	Complete
65	B7_65	72	6.10	6	MEC_MD	1	5-piece frag, 1 percussion primer-CDC	Complete	Complete
67	B7_67	85	5.75	1	MD	0.75	large piece frag & 2-piece brass	Complete	Complete
73	B7_73	72	5.57		NF		Located in washout	Complete	Complete
75	B7_75	72	5.45	4	MD	0.5	5-piece frag	Complete	Complete
78	B7_78	72	5.13	0	NF		Located in washout	Complete	Complete
79	B7_79	72	5.08	0	NF		Located in washout	Complete	Complete
80	B7_80	85	5.00	5	MD	0.5	2-piece frag, 2-piece brass & link	Complete	Complete
81	B7_81	72	4.78	2	MD	0.5	1-piece frag & 1-piece brass	Complete	Complete
82	B7_82	72	4.70	4	MD_RRD	0.5	8-piece frag & 4-piece RRD	Complete	Complete
84	B7_84	72	4.67	4	MD	0.25	4-piece frag	Complete	Complete
85	B7_85	72	4.64	6	MD	0.25	5-piece frag	Complete	Complete
86	B7_86	85	4.51	3	MD_RRD	0.125	3-piece frag, piece brass & wire	Complete	Complete
87	B7_87	72	4.29	5	MD	0.25	3-piece frag, piece brass & wire	Complete	Complete
88	B7_88	72	4.23	0	NF		Located in washout	Complete	Complete
89	B7_89	72	4.03	4	MD	0.25	2-piece frag	Complete	Complete
90	B7_90	72	4.00	0	NF		Located in washout	Complete	Complete
91	B7_91	72	3.88		NF		Located in washout	Complete	Complete
92	B7_92	72	3.88	3	MD_RRD	1	5-piece frag & 3-piece brass	Complete	Complete
94	B7_94	72	3.71	7	MD_RRD	0.5	7-piece frag & 1-piece RRD	Complete	Complete
95	B7_95	85	3.66	2	MD_RRD	0.5	3-piece brass & aluminum foil large piece	Complete	Complete
96	B7_96	72	3.64	3	MD_RRD	0.25	2-piece frag & 3-piece RRD	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
98	B7_98	72	3.62	6	MD	0.25	3-piece frag	Complete	Complete
100	B7_100	72	3.59	8	MD_RRD	1.5	7-piece frag & 1-piece RRD	Complete	Complete
102	B7_102	85	3.47	3	MD	0.25	2-piece brass & 2- piece frag	Complete	Complete
106	B7_106	72	3.37	4	MD	0.5	6-piece frag	Complete	Complete
107	B7_107	72	3.35	2	MD_RRD	0.25	2-piece frag & 2-piece RRD	Complete	Complete
108	B7_108	72	3.23	5	MD_RRD	0.5	4-piece brass, 3-piece frag & nail	Complete	Complete
110	B7_110	85	3.18	3	MD	0.25	3-piece brass & 2-piece frag	Complete	Complete
112	B7_112	72	3.13	0	NF		Located in washout	Complete	Complete
113	B7_113	72	3.12	4	MD_RRD	0.5	2-piece frag & 2-piece wire	Complete	Complete
1	Q73_1	73	30.84	3	RRD	0.5	2-piece RRD	Complete	Complete
2	Q73_2	73	20.46	4	MD	0.25	2-piece MD	Complete	Complete
3	Q73_3	73	13.75	3	MD_RRD	0.25	1-piece MD & 1-piece RRD	Complete	Complete
4	Q73_4	73	8.82	6	MD	0.5	2-piece MD	Complete	Complete
5	Q73_5	73	7.84	2	MD	0.5	4-piece MD	Complete	Complete
6	Q73_6	73	7.39	5	RRD	0.25	1-piece RRD	Complete	Complete
7	Q73_7	73	6.41	2	MD_RRD	0.25	1-piece MD & 2-piece RRD	Complete	Complete
8	Q73_8	73	6.05	6	MD	0.25	3-piece MD	Complete	Complete
9	Q73_9	73	4.84	8	MD	0.5	1-piece MD	Complete	Complete
10	Q73_10	73	4.52	1	RRD	0.25	2-piece RRD	Complete	Complete
11	Q73_11	73	4.41	0	RRD	0.25	1-piece RRD	Complete	Complete
12	Q73_12	73	4.01	3	MD_RRD	0.25	1-piece MD & 2-piece RRD	Complete	Complete
13	Q73_13	73	3.92	5	MD_RRD	0.5	1-piece MD & 1-piece RRD	Complete	Complete
14	Q73_14	73	3.59	7	MD	0.5	2-piece MD	Complete	Complete
1	B8_1	87	307.46	3	MD_RRD	7	4-piece frag, 2-piece brass & large piece steel	Complete	Complete
3	B8_3	86	187.56	1	MD_RRD	4.5	6-large piece frag, 250 cal round, 10-piece brass steel & wire	Complete	Complete
5	B8_5	87	98.54	3	MD	3	1-piece frag & 3-7.62 cart	Complete	Complete
9	B8_9	87	42.73	3	MD	0.25	2-piece frag	Complete	Complete
13	B8_13	86	38.99	4	MD	2.5	7-piece frag	Complete	Complete
15	B8_15	86	33.85	1	MD	4	3-piece frag & 4-ea 7.62mm cartridge cases	Complete	Complete

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Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
18	B8_18	86	29.92	3	MD	5	2-7.62 carts & 10-piece frag	Complete	Complete
19	B8_19	86	28.96	2	MD	1.5	1-piece frag & 1-7.62mm cartridge case	Complete	Complete
21	B8_21	87	26.59	5	MD_RRD	3	alloy, 2-piece frag & pipe	Complete	Complete
23	B8_23	87	22.57	4	MD_RRD	1	5-piece frag & 1-piece wire	Complete	Complete
27	B8_27	87	21.22	4	MD	2	large piece aluminum, 6-piece frag & 2-piece brass	Complete	Complete
29	B8_29	87	20.59	3	MD	1	2-piece frag, 7-7.62mm cartridge cases & alloy ring	Complete	Complete
34	B8_34	87	18.97	4	MD	1.5	co located with B8_40 (30mm practice, 6-piece frag)	Complete	Complete
35	B8_35	87	18.73	5	MD_RRD	4	18-piece frag, 2-piece brass, 2-piece aluminum, t-bar fuze, wire	Complete	Complete
36	B8_36	86	17.86	3	MD_RRD		1-piece brass, 50-cal round, 4-piece frag & 1-piece wire	Complete	Complete
39	B8_39	86	17.28	2	MD_RRD	0.5	4-piece frag, 3-piece brass & 1-piece wire	Complete	Complete
40	B8_40	87	17.11	4	MD	1.5	30mm practice & 6-piece frag	Complete	Complete
42	B8_42	87	16.72	2	MD_RRD	0.5	1-piece alloy, cable shething, 2-50 cal bullets, 4-piece frag & wire	Complete	Complete
46	B8_46	87	15.63	5	MD_RRD	1	3-piece frag, 8-piece brass_7-piece wire & 2-piece RRD	Complete	Complete
48	B8_48	86	15.05	18	MD	6	29-piece frag	Complete	Complete
49	B8_49	87	14.95	3	MD	2	9-piece frag & 2-piece brass	Complete	Complete
51	B8_51	86	14.59	4	MD_RRD	3	t-bar fuze expended, large piece aluminum, 20mm cartridge, 2-piece brass, 11-piece frag & 2-nails	Complete	Complete
56	B8_56	86	14.26	3	MD	3	15-piece frag & 3-piece brass	Complete	Complete
58	B8_58	87	13.91	0	MD_RRD		see 167	Complete	Complete
60	B8_60	87	13.54	3	MD	2	12-piece frag, 1-piece brass	Complete	Complete
62	B8_62	86	13.51	6	MD	0.25	2-piece frag, 3-piece brass	Complete	Complete
69	B8_69	87	12.19	3	MD_RRD	0.5	1-piece frag_5-piece wire	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
71	B8_71	87	12.16	0	MD_RRD		Co-located with B8_167 (30-piece brass, 25-piece frag, 10-piece aluminum, aluminum can & wire)	Complete	Complete
75	B8_75	86	11.53	1	MD	0.25	2-piece frag, 2-cartridge case & 7.62mm	Complete	Complete
76	B8_76	87	11.36	4	MD	0.25	7-piece frag	Complete	Complete
78	B8_78	87	11.00	1	MD	0.125	7.62mm cartridge case, 2-piece frag & brass	Complete	Complete
85	B8_85	87	10.04	6	MD_RRD	2	10-piece frag, 5-piece brass, 40mm cartridge & 4-wire	Complete	Complete
86	B8_86	87	9.89	3	MD	0.25	2-piece frag & 1-piece brass	Complete	Complete
88	B8_88	86	9.66	2	MD	0.75	1-piece alloy, 2-piece frag, 50-cal cartridge case & 2-7.62 cartridge case	Complete	Complete
95	B8_95	86	8.64	2	MD_RRD	0.25	6-piece frag & 2-wire	Complete	Complete
96	B8_96	86	8.60	0	MD		co-located with B8-75 (2-piece frag, 2-cartridge case & 7.62mm)	Complete	Complete
101	B8_101	86	8.18	0	MD		co-located with A7-19 (2-piece Frag, 4-7.62 cartridge cases & 1-50 cal cartridge)	Complete	Complete
102	B8_102	87	8.17	3	MD	0.25	2-piece brass & 1-piece frag	Complete	Complete
103	B8_103	86	7.77	3	MD	1	1-piece frag, 50-cal cartridge cases & 6-7.62mm cartridge case	Complete	Complete
104	B8_104	86	7.27	2	MD	0.25	1-piece frag	Complete	Complete
106	B8_106	87	6.72	2	MD	0.25	1-piece frag	Complete	Complete
108	B8_108	87	6.32	3	MD	0.25	3-piece frag	Complete	Complete
109	B8_109	87	6.31	2	MD	0.25	1-piece brass	Complete	Complete
110	B8_110	87	6.19	6	MD_RRD	1	10-piece brass & 7-piece RRD	Complete	Complete
113	B8_113	87	6.02	2	MD	0.25	2-piece frag	Complete	Complete
115	B8_115	86	5.89	4	MD_RRD	2	3-piece frag, 7.62mm cartridge case & 1-nail	Complete	Complete
118	B8_118	86	5.70	3	MD	0.5	2-piece frag	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
121	B8_121	87	5.63	3	MD	0.5	6-piece frag	Complete	Complete
122	B8_122	86	5.57	6	MD_RRD	1	5-piece frag & 1-piece wire	Complete	Complete
123	B8_123	87	5.55	6	MD_RRD	1.5	8-piece brass, 7-piece frag, 2-nails & wire	Complete	Complete
125	B8_125	86	5.52	0	MD		co-located with B8-118 (2-piece frag)	Complete	Complete
126	B8_126	87	5.46	6	MD	0.25	2-piece brass & 2-piece frag	Complete	Complete
127	B8_127	86	5.38	0	MD	0.25	2-piece frag & 4-7.62 carts	Complete	Complete
128	B8_128	87	5.32	10	MD_RRD	2	2-piece frag, fuze expended & 6-piece RRD	Complete	Complete
133	B8_133	87	4.95	3	MD	0.5	6-piece frag	Complete	Complete
134	B8_134	87	4.89	0	MD		1-large piece frag	Complete	Complete
138	B8_138	87	4.67	2	MD_RRD	0.25	4-piece frag & 1-piece wire	Complete	Complete
142	B8_142	87	4.42	0	MD_RRD	0.25	1-piece brass, 1-piece frag & 1-piece wire	Complete	Complete
143	B8_143	87	4.39	3	MD	0.25	1-piece aluminum	Complete	Complete
144	B8_144	87	4.31	4	MD	0.5	7-piece frag, 2-piece brass & 50 cal cartridge	Complete	Complete
146	B8_146	87	4.29	3	MD	0.5	7-piece frag & 2-piece wire	Complete	Complete
147	B8_147	87	4.28	2	MD_RRD	0.25	3-piece brass, 2-piece frag & 5-piece wire	Complete	Complete
151	B8_151	87	4.17	12	MD_RRD	1	8-piece brass, 5-small arms, 3-piece frag & wire	Complete	Complete
152	B8_152	87	4.09	2	MD_RRD	0.45	4-piece frag, 2-7.62mm cartridge cases & 8" wire	Complete	Complete
153	B8_153	87	4.05	3	MD_RRD	1	4-piece brass, 3-piece frag, 50 cal round, 20mm cartridge & 2-links	Complete	Complete
154	B8_154	86	3.89	2	MD	0.25	5-piece frag & 2-piece brass	Complete	Complete
159	B8_159	87	3.69	0	MD_RRD		see B8_167 (30-piece brass, 25-piece frag, 10-piece aluminum, aluminum can & wire)	Complete	Complete
160	B8_160	86	3.68	3	MD_RRD	0.25	2-piece frag, wire	Complete	Complete
164	B8_164	87	3.45	3	MD	0.25	2-piece brass	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
165	B8_165	87	3.45	0	MD_RRD		see B8_167 (30-piece brass, 25-piece frag, 10-piece aluminum, aluminum can & wire)	Complete	Complete
167	B8_167	87	3.39	0	MD_RRD	7	30-piece brass, 25-piece frag, 10-piece aluminum, aluminum can & wire	Complete	Complete
174	B8_174	86	3.06	4	MD	0.25	3-piece frag & 1-piece brass	Complete	Complete
177	B8_177	86	3.00	0	NF		nothing found-Vallon checked	Complete	Complete
1	Q74_1	74	36.71	18	MD_RRD	8	50 cal cartridge, 8-piece frag, large piece aluminum, copper & RRD	Complete	Complete
1	Q75_1	75	84.22	5	RRD	6	RRD	Complete	Complete
2	Q74_2	74	34.17	0	MD	4	3-piece brass, large piece steel & 10" RRD	Complete	Complete
2	Q75_2	75	62.14	2	MD_RRD	1	1-piece MD & 5-piece RRD	Complete	Complete
3	Q74_3	74	24.88		MD_RRD	6	13-piece brass, 50 cal round, 9-piece frag, large piece aluminum, 3-piece aluminum, 4' RRD & 4-large piece steel RRD	Complete	Complete
3	Q75_3	75	18.56	3	MD_RRD	2	1-piece MD & 3-piece RRD	Complete	Complete
4	Q74_4	74	18.96	18	MD_RRD	3.5	3-piece brass, 4-piece aluminum, M60 ignitor, 3-piece frag RRD & steel	Complete	Complete
4	Q75_4	75	17.62	16	MD_RRD	1	6-piece MD	Complete	Complete
5	Q74_5	74	16.48	3	MD_RRD	6	shroud fin, 20mm cartridge, 7-piece frag, 29-piece brass & 3-piece RRD	Complete	Complete
5	Q75_5	75	16.92	2	MD_RRD	5	3-piece MD & 2-piece RRD	Complete	Complete
6	Q74_6	74	15.12	18	MD_RRD	5	4-small arms, 1-primer, 4-piece brass, 10-piece frag, RRD & 2-nails	Complete	Complete
6	Q75_6	75	15.49	8	MD_RRD	2	3-piece MD & 2-piece RRD	Complete	Complete
7	Q74_7	74	13.77	4	MD_RRD	3.5	21-piece frag, 16-piece brass, 2-nails & brimpers	Complete	Complete
7	Q75_7	75	13.31	6	MD_RRD	1	see Q74-10 (44-piece brass, 1-50 cal round, 23-piece frag & 23-piece RRD)	Complete	Complete

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Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
8	Q74_8	74	13.35	18	MD	3	38-piece frag, 20-piece brass & 10-piece aluminum	Complete	Complete
8	Q75_8	75	12.71		MD_RRD		see Q74-10 (44-piece brass, 1-50 cal round, 23-piece frag & 23-piece RRD)	Complete	Complete
9	Q74_9	74	10.18		MD_RRD	16	30-piece frag, 34-piece brass, 2-20mm cartridge, M1 clip, 2-large piece aluminum, small arm round, 3-50 cal cartridge, nails & steel	Complete	Complete
9	Q75_9	75	11.36		MD_RRD		4-piece MD & 6-piece RRD	Complete	Complete
10	Q74_10	74	8.17	36	MD_RRD	6	44-piece brass, 1-50 cal round, 23-piece frag & 23-piece RRD	Complete	Complete
10	Q75_10	75	10.93	2	MD_RRD	0.75	2-piece MD & 1-piece RRD	Complete	Complete
11	Q74_11	74	7.56	12	MD_RRD	4	40mm practice, 19-piece frag, 17-piece brass, 50 cal round & RRD	Complete	Complete
11	Q75_11	75	9.02	8	MD_RRD	1	2-piece MD & 1-piece RRD	Complete	Complete
12	Q74_12	74	7.39		MD_RRD		4-piece brass, 7-piece frag & 2-piece RRD	Complete	Complete
12	Q75_12	75	8.28	4	MD_RRD	0.75	2-piece MD & 3-piece RRD	Complete	Complete
13	Q74_13	74	7.32	2	MD	0.5	expended perforator	Complete	Complete
13	Q75_13	75	7.48	5	MD_RRD	0.5	1-piece MD & 3-piece RRD	Complete	Complete
14	Q74_14	74	7.27		MD_RRD		see Q74_10 (44-piece brass, 1-50 cal round, 23-piece frag & 23-piece RRD)	Complete	Complete
14	Q75_14	75	7.41	4	MD_RRD	1	2-piece MD & 1-piece RRD	Complete	Complete
15	Q74_15	74	7.04	18	MEC_MD_RR	2	16-piece brass, 8-piece frag, 2-40mm partial cap & RRD	Complete	Complete
15	Q75_15	75	7.33	7	RRD	1	2-piece RRD	Complete	Complete
16	Q74_16	74	6.82	4	MD_RRD	1	17-piece brass, 8-piece frag, exp primer, aluminum & 4-piece RRD	Complete	Complete
16	Q75_16	75	6.82	3	RRD	0.5	6-piece RRD	Complete	Complete
17	Q74_17	74	6.27	5	MD	1	3-piece frag	Complete	Complete
17	Q75_17	75	6.11	4	RRD	0.5	2-piece RRD	Complete	Complete
18	Q74_18	74	6.27	6	MD	1	3-piece frag	Complete	Complete

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Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

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18	Q75_18	75	5.93	3	RRD	0.25	1-piece RRD	Complete	Complete
19	Q74_19	74	5.69	7	MD_RRD	1	frag & RRD	Complete	Complete
19	Q75_19	75	5.33	6	MD_RRD	2	3-piece MD & 2-piece RRD	Complete	Complete
20	Q75_20	75	4.73	4	MD_RRD	0.75	1-piece MD & 2-piece RRD	Complete	Complete
20	Q74_20	74	5.38	2	RRD	0.5	bolt	Complete	Complete
21	Q74_21	74	5.26	7	MD_RRD	1	3-piece frag & 1-piece RRD	Complete	Complete
21	Q75_21	75	4.26	4	MD_RRD	0.5	20mm & 3-piece RRD	Complete	Complete
22	Q74_22	74	4.91	2	MD	0.25	6-geo	Complete	Complete
22	Q75_22	75	3.84		MD	3	20mm cartridge, 3-piece brass & 2-large piece frag	Complete	Complete
23	Q75_23	75	3.25	4	MD	0.5	2-piece MD	Complete	Complete
23	Q74_23	74	3.63	1	MD_RRD	0.5	2-piece frag & 1-piece RRD	Complete	Complete
24	Q74_24	74	3.12	5	RRD	0.5	3-piece RRD	Complete	Complete
25	Q74_25	74	3.01	9	MD	0.5	5-piece frag	Complete	Complete
1	B9_1	76	46.28	2	MD_RRD	1	MRE aluminum wrapper, 3-piece brass, large angle iron & 2' wire	Complete	Complete
2	B9_2	76	44.59	3	MD	0.75	2-piece brass, 2-piece frag, 50 cal round & large bolt	Complete	Complete
3	B9_3	76	37.44	18	MD_RRD	18	piston, 6-piece brass_large piece tin & 3-piece wire	Complete	Complete
4	B9_4	76	37.24	5	MD_RRD	1	5-piece frag, 50 cal round, 4-piece brass, 2-large piece aluminum & 6" piece wire	Complete	Complete
5	B9_5	76	34.60	3	RRD	1	5.56 ammo can lid & communication wire	Complete	Complete
6	B9_6	76	18.93	8	MD_RRD	0.75	2-piece brass, 7-piece frag, large piece aluminum & 3-piece wire	Complete	Complete
7	B9_7	76	18.22	3	MD_RRD	1.75	4-7.62 cartridge cases, 6-piece frag, 20mm cartridge case, expended perforator & 2-piece wire	Complete	Complete
8	B9_8	76	18.01	3	MD_RRD	2	4-large piece frag, 50 cal round_ & D cell battery	Complete	Complete

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Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
9	B9_9	76	17.88	2	MD_RRD	2	20mm projectile, heat cone, 40 mm cartridge, 10-piece frag, brass & wire	Complete	Complete
10	B9_10	76	15.54	2	MD_RRD	1.25	large piece frag, 20mm cartridge, 4-piece brass & 2-piece wire	Complete	Complete
11	B9_11	76	14.15	0	MD		Co-located with C9-6 (3-piece frag, aluminum, 2-piece brass & 3-piece wire)	Complete	Complete
12	B9_12	76	12.36	4	MD	1	large piece aluminum, 3-piece fra & 2-piece brass	Complete	Complete
13	B9_13	76	12.17	8	MD	0.75	Jet Perforator-CDC, Booster-CDC & 1 piece frag	Complete	Complete
14	B9_14	76	11.58	2	MD_RRD	0.75	4-large piece frag, 3-piece brass & wire	Complete	Complete
15	B9_15	76	10.34	1	MD	1.25	4-piece frag & 4-piece brass	Complete	Complete
16	B9_16	76	9.36	2	MD_RRD	1	mortar fins, 50 cal cartridge, 1-piece brass, 4-piece frag & 1-nail	Complete	Complete
17	B9_17	76	8.71	3	MD	1	9-7.62 cartridge cases & 3-piece frag	Complete	Complete
18	B9_18	76	8.61	2	MD_RRD	0.5	frag, alloy, 50 cal slug, link & large nail	Complete	Complete
19	B9_19	76	8.09	2	MD	1	1-small arm, piece aluminum, 40mm cartridge, point detenating fuze component	Complete	Complete
20	B9_20	76	7.31	4	MD_RRD	0.75	20mm cartridge, 50 cal round, brass, 6-piece frag, hinge & wire	Complete	Complete
21	B9_21	76	6.84	6	MD	1	40mm Practice & 7.62 cartridge casing	Complete	Complete
22	B9_22	76	6.60	4	MD	1	7-piece frag, 2-piece brass & 50 cal cartridge	Complete	Complete
23	B9_23	76	6.03	4	MD	0.5	4-piece brass, 4-piece frag & 40mm cartridge	Complete	Complete
24	B9_24	76	5.77	2	MD_RRD	0.5	6-piece brass, 2-piece frag, small arm round & 3" wire	Complete	Complete

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TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
25	B9_25	76	5.76	4	MD_RRD	0.5	3-piece frag, 20mm cartridge & large piece metal	Complete	Complete
26	B9_26	76	5.56	4	MD	0.5	4-piece frag & large piece aluminum	Complete	Complete
27	B9_27	76	5.55	4	MD	0.25	2 piece frag, 1 piece Alloy, 2piece 7.62mm cartridge Casing	Complete	Complete
28	B9_28	76	5.53	2	MD	0.75	2-large piece aluminum, 4-piece frag & 2-piece brass	Complete	Complete
29	B9_29	76	5.39	2	MD	0.25	partial 40mm cartridge & alloy	Complete	Complete
30	B9_30	76	5.17	2	MD	0.25	3 piece brass 1 piece frag	Complete	Complete
31	B9_31	76	3.93	2	MD	0.25	2-piece brass, 2-small bullets & 4-piece frag	Complete	Complete
32	B9_32	76	3.82	0	MD	0.25	50 Cal Cart 1 piece alloy	Complete	Complete
33	B9_33	76	3.67	2	MD_RRD	0.25	2-50 cal round, 8-piece frag & link	Complete	Complete
34	B9_34	76	3.49	2	MD	0.25	4-piece brass, 50 cal round & large piece frag	Complete	Complete
35	B9_35	76	3.26	2	MD	0.25	2-piece brass, piece frag & 2-links	Complete	Complete
1	C1_1	C1_NE	117.40	4	MD	2	large piece aluminum	Complete	Complete
2	C1_2	C1_SW	22.85	12	MD	1	6 piece frag	Complete	Complete
3	C1_3	C1_NW	14.09	3	MD	0.5	aluminum & frag	Complete	Complete
4	C1_4	C1_SW	12.38	6	MD	0.5	40mm practice	Complete	Complete
5	C1_5	C1_SW	12.26	2	MD	0.75	aluminum frag component	Complete	Complete
6	C1_6	C1_NE	10.93	5	MD	0.25	2 piece frag	Complete	Complete
7	C1_7	C1_SE	9.76	5	MD	0.25	aluminum	Complete	Complete
8	C1_8	C1_SE	8.89	5	MD_RRD	0.5	large piece frag & 2 nails	Complete	Complete
9	C1_9	C1_NE	8.81	4	MD	0.25	frag	Complete	Complete
10	C1_10	C1_NW	8.36	2	MD	0.25	40mm cartridge & frag	Complete	Complete
11	C1_11	C1_SE	8.01	4	RRD	0.25	8 nails	Complete	Complete
12	C1_12	C1_SE	7.81	4	RRD	0.25	12 nails	Complete	Complete
13	C1_13	C1_SE	7.42	7	MD_RRD	0.25	5.56 round & 14 nails	Complete	Complete
14	C1_14	C1_SE	7.04	6	RRD	0.25	8 nails	Complete	Complete
15	C1_15	C1_SE	6.83	4	RRD	0.025	4 nails	Complete	Complete
16	C1_16	C1_SE	6.44	4	MD	0.25	frag	Complete	Complete

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Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
17	C1_17	C1_SE	6.10	6	MD_RRD	0.25	frag & nails	Complete	Complete
18	C1_18	C1_NE	6.09	2	MD	0.25	frag & aluminum	Complete	Complete
19	C1_19	C1_NW	5.82	6	MD	0.5	steel end cap	Complete	Complete
20	C1_20	C1_SW	5.61	4	MD	0.5	frag & aluminum	Complete	Complete
21	C1_21	C1_SE	5.27	3	MD	0.25	3 piece frag	Complete	Complete
22	C1_22	C1_SE	5.14	6	MD	0.25	6 piece frag	Complete	Complete
23	C1_23	C1_SE	5.11	2	RRD	0.25	5 nails	Complete	Complete
24	C1_24	C1_SE	4.91	1	MD	0.25	frag	Complete	Complete
25	C1_25	C1_SE	4.87	1	MD_RRD	0.25	4 piece frag & nails	Complete	Complete
26	C1_26	C1_NE	4.86	6	MD_RRD		co located with C1-43 (frag & 80 nails)	Complete	Complete
27	C1_27	C1_NE	4.80	4	MD	0.5	frag & aluminum	Complete	Complete
28	C1_28	C1_NW	4.55	4	MD	0.25	frag & aluminum	Complete	Complete
29	C1_29	C1_SE	4.48	4	MD	0.25	frag	Complete	Complete
30	C1_30	C1_NW	4.40	0	RRD	0.125	Communication wire	Complete	Complete
31	C1_31	C1_SW	4.20	10	RRD	0.025	metal can	Complete	Complete
32	C1_32	C1_SE	4.17	4	MD	0.25	brass	Complete	Complete
33	C1_33	C1_NE	4.16	2	MD	0.25	aluminum frag component	Complete	Complete
34	C1_34	C1_NE	4.15	4	MD	0.125	1 piece brass	Complete	Complete
35	C1_35	C1_NE	4.06	4	MD		co located with C2-79 (frag)	Complete	Complete
36	C1_36	C1_SE	4.06	2	MD	0.25	3 piece frag & brass	Complete	Complete
37	C1_37	C1_SW	4.05	6	MD	0.025	2 piece frag	Complete	Complete
38	C1_38	C1_NW	3.98	5	MD	0.25	frag	Complete	Complete
39	C1_39	C1_NE	3.95	5	MD	0.25	frag	Complete	Complete
40	C1_40	C1_NE	3.93	3	MD	1	frag	Complete	Complete
41	C1_41	C1_SE	3.87	1	MD	0.25	alloy	Complete	Complete
42	C1_42	C1_SE	3.86	4	MD	0.125	brass	Complete	Complete
43	C1_43	C1_NE	3.86	6	MD_RRD	3	frag & 80 nails	Complete	Complete
44	C1_44	C1_NW	3.63	3	MD	0.25	frag	Complete	Complete
45	C1_45	C1_NW	3.47	2	MD	0.25	frag	Complete	Complete
46	C1_46	C1_SW	3.47	2	MD	0.25	aluminum & frag	Complete	Complete
47	C1_47	C1_NE	3.40	0	NF		nothing found-Vallon checked	Complete	Complete

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48	C1_48	C1_SW	3.40	6	MD	0.25	frag	Complete	Complete
49	C1_49	C1_NE	3.39	6	MD_RRD		colocated with C1-43 (frag & 80 nails)	Complete	Complete
50	C1_50	C1_SW	3.33	8	MD_RRD	0.25	5 piece frag , wire & can	Complete	Complete
51	C1_51	C1_SE	3.29	3	MD	0.25	brass & aluminum	Complete	Complete
52	C1_52	C1_SW	3.28	2	MD	0.25	frag	Complete	Complete
53	C1_53	C1_SE	3.27	5	MD_RRD	0.025	frag & nails	Complete	Complete
54	C1_54	C1_NE	3.23	3	MD	0.025	frag	Complete	Complete
55	C1_55	C1_NW	3.14	2	MD	0.25	frag	Complete	Complete
56	C1_56	C1_NW	3.12	3	MD	0.25	frag	Complete	Complete
57	C1_57	C1_NE	3.11	5	MD	0.25	frag	Complete	Complete
58	C1_58	C1_SE	3.11	3	MD	0.25	frag	Complete	Complete
59	C1_59	C1_SE	3.07	4	MD_RRD	0.25	50 cal round, 1 piece frag & 3 nails	Complete	Complete
60	C1_60	C1_SE	3.07	8	MD	0.5	8 piece frag	Complete	Complete
61	C1_61	C1_SE	3.02	8	MD	0.25	4 piece frag & nails	Complete	Complete
62	C1_62	C1_SE	3.02	3	MD	0.25	brass	Complete	Complete
63	C1_63	C1_NE	3.01	4	MD	0.25	aluminum frag & brass	Complete	Complete
64	C1_64	C1_SW	3.00	3	MD	0.25	frag	Complete	Complete
1	C2_1	C2_NW	61.99	3	MD	0.5	large piece aluminum	Complete	Complete
2	C2_2	C2_SE	50.21	3	MD	0.5	3.5" Rocket fins & 6 brass	Complete	Complete
3	C2_3	C2_SW	36.89	5	MD	0.5	2 large frag	Complete	Complete
4	C2_4	C2_NE	27.25	3	MD	0.25	aluminum frag	Complete	Complete
5	C2_5	C2_NW	23.10	3	RRD	0.35	nails	Complete	Complete
6	C2_6	C2_SE	22.45	3	MD	0.5	3 bullets & large piece aluminum	Complete	Complete
7	C2_7	C2_SW	22.25	4	MD	0.25	frag	Complete	Complete
8	C2_8	C2_SW	15.05	3	MD	1	frag	Complete	Complete
9	C2_9	C2_SW	14.69	4	RRD	0.25	nails	Complete	Complete
10	C2_10	C2_NW	14.26	6	MD	0.25	frag	Complete	Complete
11	C2_11	C2_SE	12.76	5	MD	0.5	aluminum & frag	Complete	Complete
12	C2_12	C2_NW	10.68	4	RRD	0.25	nails	Complete	Complete
13	C2_13	C2_SW	10.49	10	MD_RRD	0.25	frag & nail	Complete	Complete
14	C2_14	C2_NE	10.26	4	MD	0.25	frag & brass	Complete	Complete
15	C2_15	C2_SE	10.03	3	MD	0.5	point detenoting fuze spent	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
16	C2_16	C2_SW	9.70	3	RRD	0.25	nails	Complete	Complete
17	C2_17	C2_SW	9.55	6	MD_RRD	0.75	frag & hinge	Complete	Complete
18	C2_18	C2_SW	9.51	3	MD	0.25	frag	Complete	Complete
19	C2_19	C2_SE	8.46	4	MD	0.5	aluminum	Complete	Complete
20	C2_20	C2_NE	7.95	3	MD	0.25	frag	Complete	Complete
21	C2_21	C2_NE	7.85	3	MD	0.25	frag	Complete	Complete
22	C2_22	C2_NW	7.55	2	MD	0.25	aluminum & frag	Complete	Complete
23	C2_23	C2_NE	7.53	3	MD	0.25	aluminum & frag	Complete	Complete
24	C2_24	C2_SW	7.38	3	MD	0.25	frag	Complete	Complete
25	C2_25	C2_NE	7.08	4	MD	0.25	brass	Complete	Complete
26	C2_26	C2_NW	7.06	12	RRD	0.5	nails	Complete	Complete
27	C2_27	C2_SW	6.80	6	RRD	7.25	6" piece communication wire	Complete	Complete
28	C2_28	C2_NE	6.63	3	MD	0.25	frag	Complete	Complete
29	C2_29	C2_SW	6.58	2	MD	0.25	frag	Complete	Complete
30	C2_30	C2_SW	6.47	6	MD_RRD	0.25	frag & nails	Complete	Complete
31	C2_31	C2_NE	6.11	2	MD	0.5	7 piece brass 7.62mm & large piece aluminum	Complete	Complete
32	C2_32	C2_NE	5.57	2	MD	0.25	aluminum & frag	Complete	Complete
33	C2_33	C2_NE	5.53	3	MD	0.25	frag	Complete	Complete
34	C2_34	C2_SE	5.52	3	MD	0.25	frag	Complete	Complete
35	C2_35	C2_SE	5.38	3	MD	0.25	frag	Complete	Complete
36	C2_36	C2_SW	5.31	3	MD	0.25	frag & 7.62 brass	Complete	Complete
37	C2_37	C2_NE	5.25	2	MD_RRD	0.25	frag & nails	Complete	Complete
38	C2_38	C2_NW	5.19	4	MD	0.25	frag	Complete	Complete
39	C2_39	C2_NW	5.03	3	MD	0.25	frag	Complete	Complete
40	C2_40	C2_SE	4.98	6	MD	0.25	frag	Complete	Complete
41	C2_41	C2_SE	4.90	5	MD	0.25	brass, frag	Complete	Complete
42	C2_42	C2_NW	4.68	6	MD	0.25	frag	Complete	Complete
43	C2_43	C2_SE	4.58	4	MD	0.25	frag	Complete	Complete
44	C2_44	C2_SW	4.55	2	MD	0.25	3 piece alloy	Complete	Complete
45	C2_45	C2_NE	4.53	2	MD	0.25	frag & barbed wire	Complete	Complete
46	C2_46	C2_SW	4.47	0	RRD	7.25	small pieces wire	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
47	C2_47	C2_NW	4.47	4	MD	0.25	aluminum	Complete	Complete
48	C2_48	C2_SE	4.44	2	MD	0.25	aluminum	Complete	Complete
49	C2_49	C2_SE	4.44	3	MD	0.25	brass & wire	Complete	Complete
50	C2_50	C2_NE	4.38	3	MD	0.25	frag & M1 clip	Complete	Complete
51	C2_51	C2_SE	4.33	8	MD	0.35	ammo clip & frag	Complete	Complete
52	C2_52	C2_NE	4.32	2	MD	0.25	frag	Complete	Complete
53	C2_53	C2_SE	4.29	5	MD_RRD	0.25	frag, nails & fins	Complete	Complete
54	C2_54	C2_NW	4.16	5	MD	0.25	frag	Complete	Complete
55	C2_55	C2_NE	4.01	5	MD_RRD	0.25	frag & nails	Complete	Complete
56	C2_56	C2_NE	3.98	3	MD	0.025	frag	Complete	Complete
57	C2_57	C2_NE	3.97	5	MD	0.25	brass, frag & aluminum	Complete	Complete
58	C2_58	C2_SW	3.92	2	MD	0.25	shotgun shell & frag	Complete	Complete
59	C2_59	C2_NW	3.90	3	MD	0.25	frag	Complete	Complete
60	C2_60	C2_SE	3.89	5	MD	0.25	brass, wire & frag	Complete	Complete
61	C2_61	C2_SW	3.88	3	MD	0.25	frag & aluminum	Complete	Complete
62	C2_62	C2_NW	3.84	2	MD	0.25	frag	Complete	Complete
63	C2_63	C2_NW	3.76	4	MD	0.25	brass & frag	Complete	Complete
64	C2_64	C2_NW	3.75	4	MD	0.25	frag	Complete	Complete
65	C2_65	C2_SE	3.75	3	MD	0.5	frag	Complete	Complete
66	C2_66	C2_NE	3.74	2	MD	0.25	frag	Complete	Complete
67	C2_67	C2_NE	3.65	3	MD	0.25	frag	Complete	Complete
68	C2_68	C2_SW	3.65	4	MD	0.25	frag	Complete	Complete
69	C2_69	C2_NW	3.63	6	MD	0.25	frag	Complete	Complete
70	C2_70	C2_SW	3.57	2	MD_RRD	0.25	frag & spike	Complete	Complete
71	C2_71	C2_SW	3.57	4	RRD	0.25	ammunition clip	Complete	Complete
72	C2_72	C2_NW	3.51	3	MD	0.25	frag & brass	Complete	Complete
73	C2_73	C2_NE	3.44	4	MD	0.25	frag	Complete	Complete
74	C2_74	C2_NW	3.43	4	RRD	0.35	nails	Complete	Complete
75	C2_75	C2_SE	3.41	1	MD	0.25	frag	Complete	Complete
76	C2_76	C2_SW	3.39	7	RRD	0.25	nails	Complete	Complete
77	C2_77	C2_SE	3.30	2	MD	0.25	frag & aluminum	Complete	Complete
78	C2_78	C2_SW	3.28	4	MD	0.25	50 cal round	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
79	C2_79	C2_NW	3.27	4	MD	0.25	frag	Complete	Complete
80	C2_80	C2_NE	3.21	1	RRD	0.025	nail	Complete	Complete
81	C2_81	C2_SE	3.21	3	MD	0.25	frag	Complete	Complete
82	C2_82	C2_NW	3.21	5	MD	0.25	frag	Complete	Complete
83	C2_83	C2_SE	3.18	3	MD_RRD	0.25	frag & nail	Complete	Complete
84	C2_84	C2_NW	3.14	4	MD	0.25	frag	Complete	Complete
85	C2_85	C2_SW	3.12	4	MD	0.25	frag	Complete	Complete
86	C2_86	C2_NE	3.11	3	MD	0.25	frag	Complete	Complete
87	C2_87	C2_SW	3.11	2	MD	0.25	frag	Complete	Complete
88	C2_88	C2_SE	3.10	2	MD	0.025	frag	Complete	Complete
89	C2_89	C2_SE	3.08	2	MD	0.25	frag & wire	Complete	Complete
90	C2_90	C2_SE	3.03	2	MD	0.25	frag & aluminum	Complete	Complete
91	C2_91	C2_NW	3.02	5	RRD	0.025	nails	Complete	Complete
92	C2_92	C2_SW	3.01	4	MD	0.5	Small Arms & frag	Complete	Complete
93	C2_93	C2_SE	3.01	3	MD	0.25	frag	Complete	Complete
94	C2_94	C2_NW	3.00	2	MD	0.25	frag	Complete	Complete
95	C2_95	C2_NE	3.00	6	MD	0.25	frag	Complete	Complete
96	C2_96	C2_NW	3.00	2	MD	0.25	frag	Complete	Complete
97	C2_97	C2_NE	3.00	4	MD	0.25	aluminum frag & brass	Complete	Complete
1	C3_1	39	357.85	1	RRD	0.5	3 piece metal bar	Complete	Complete
2	C3_2	39	32.14	4	MD	1	2 large piece frag	Complete	Complete
3	C3_3	C3_SW	32.09	1	MD	0.5	large piece frag	Complete	Complete
4	C3_4	C3_NW	26.09	3	MD	0.75	3 piece frag	Complete	Complete
5	C3_5	C3_SW	25.22	1	MD_RRD	1	large piece aluminum, frag & wire	Complete	Complete
6	C3_6	C3_SW	23.69	2	MEC_MD	0.75	1-large aluminum frag, 1-small piece frag & 1-perforator	Complete	Complete
7	C3_7	39	23.64	3	MD		1-30mm projectile	Complete	Complete
8	C3_8	C3_NW	21.03	3	MD	0.5	6 piece frag	Complete	Complete
9	C3_9	C3_NW	20.22	3	MD	0.25	frag	Complete	Complete
10	C3_10	39	19.56	2	MD	0.5	frag	Complete	Complete
11	C3_11	C3_NW	18.29	6	MD	0.25	frag	Complete	Complete
12	C3_12	39	17.94	0	NF		nothing found-Vallon checked	Complete	Complete

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bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
13	C3_13	52	17.83	2	MEC_MD	0.5	2-perforators, 1-7.62 small arm cartridge & 2-frag	Complete	Complete
14	C3_14	39	14.79	3	MD	1	frag	Complete	Complete
15	C3_15	39	14.58	3	MD	1	5 piece frag	Complete	Complete
16	C3_16	39	14.34	1	MD		1 small piece frag	Complete	Complete
17	C3_17	39	14.19	4	MD		1-7.62 small arms cartridge, 1-20mm cartridge & small piece aluminum frag	Complete	Complete
18	C3_18	52	12.55	4	MD	1	1 piece frag	Complete	Complete
19	C3_19	C3_NW	12.28	2	MD	1	1 piece frag	Complete	Complete
20	C3_20	39	11.91	2	MD	0.75	6 piece frag & fins	Complete	Complete
21	C3_21	C3_NW	11.75	3	MD	0.5	cartridge case (20mm & 7.62) & 6 piece frag	Complete	Complete
22	C3_22	52	11.30	3	MEC_MD		1-Jet perforator	Complete	Complete
23	C3_23	39	11.29	0	NF		nothing found-Vallon checked	Complete	Complete
24	C3_24	C3_SW	11.21	10	MD_RRD	1.5	9-piece brass, 3-bullets, 3-piece frag, 1-piece aluminum & 2-nails	Complete	Complete
25	C3_25	C3_NW	10.29	2	MD	0.25	20mm cartridge case & 3 piece frag	Complete	Complete
26	C3_26	C3_SW	10.13	1	MD		2-small piece frag & 3-7.62 small arm cartridges	Complete	Complete
27	C3_27	C3_NW	10.08	5	MD	1	10 piece frag	Complete	Complete
28	C3_28	52	10.00	0	MD		See C3-61 (8 cartridge cases)	Complete	Complete
29	C3_29	39	9.40	4	MD	0.5	frag & fin	Complete	Complete
30	C3_30	C3_NW	9.27	2	MD	1	2.36" Rocket motor	Complete	Complete
31	C3_31	52	9.02	1	MEC_MD		1-20mm projectile	Complete	Complete
32	C3_32	C3_SW	8.94	2	MD	0.5	2 piece frag & large piece aluminum	Complete	Complete
33	C3_33	52	8.61	5	MD		1-piece frag	Complete	Complete
34	C3_34	C3_SW	8.57	1	MD	0.5	2-frag	Complete	Complete
35	C3_35	39	8.39	6	MEC_MD	0.5	2 piece frag, 4 cartridge cases & jet perforator	Complete	Complete
36	C3_36	C3_NW	8.33	3	MD	0.5	nothing found	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
37	C3_37	52	8.08	6	MD_RRD	0.5	6-piece frag, 3-piece brass & 3-piece wire	Complete	Complete
38	C3_38	C3_NW	8.00	4	MD	1	15 piece brass & aluminum	Complete	Complete
39	C3_39	39	7.71	3	MD		1-50 cal slug & 2 piece frag	Complete	Complete
40	C3_40	39	7.42	4	MD	1	1-3.5" Rocket fin & 1-frag	Complete	Complete
41	C3_41	C3_SW	7.39	0	MD_RRD	0.25	brass & 3 piece 3" long wire	Complete	Complete
42	C3_42	39	7.36	6	MD	1	frag	Complete	Complete
43	C3_43	39	7.29	6	MD	0.25	5 piece frag	Complete	Complete
44	C3_44	C3_NW	7.29	3	MD	0.25	4 piece frag & brass	Complete	Complete
45	C3_45	39	7.26	0	NF		nothing found-Vallon checked	Complete	Complete
46	C3_46	C3_NW	6.71	12	MD	0.25	frag	Complete	Complete
47	C3_47	C3_SW	6.68	9	MD		1-7.62 small arm cartridge & 1-frag	Complete	Complete
48	C3_48	52	6.66	2	MD	0.25	1-large piece frag	Complete	Complete
49	C3_49	52	6.64	3	MD	0.75	2-7.62 small arm cartridge & 2-large piece frag	Complete	Complete
50	C3_50	52	6.63	3	MD	1	2-7.62 small arm cartridge & 5 piece frag	Complete	Complete
51	C3_51	C3_SW	6.62	6	MD_RRD		1-frag & 1-large nail	Complete	Complete
52	C3_52	C3_NW	6.51	12	MD	0.25	3 piece alloy	Complete	Complete
53	C3_53	39	6.21	1	MD	0.25	alloy	Complete	Complete
54	C3_54	39	5.75	4	MD_RRD	0.25	2-50 cal round, 1 cartridge case & wire	Complete	Complete
55	C3_55	39	5.68	6	MD	0.75	aluminum brass & frag	Complete	Complete
56	C3_56	52	5.51	2	MD	0.5	1-50 cal round, 2-7.62 small arm cartridge, 1-5.56 small arm round & 2-large frag	Complete	Complete
57	C3_57	C3_NW	5.38	3	MD	0.5	brass & 4 piece frag	Complete	Complete
58	C3_58	39	5.37	0	NF		nothing found-Vallon checked	Complete	Complete
59	C3_59	39	5.34	1	MD		1-50 cal cartridge	Complete	Complete
60	C3_60	52	5.29	3	MD	1	1-50 cal cartridge & 1-frag	Complete	Complete
61	C3_61	52	5.00	3	MD	0.5	8 cartridge cases	Complete	Complete
62	C3_62	C3_NW	4.96	3	MD	0.5	cartridge case & 2 piece allow	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
63	C3_63	C3_SW	4.96	1	MD	0.25	3 piece aluminum & brass	Complete	Complete
64	C3_64	C3_NW	4.95	2	MD	0.25	4 piece frag, aluminum & 30mm cartridge	Complete	Complete
65	C3_65	52	4.95	3	MD	0.25	8-cartridge case	Complete	Complete
66	C3_66	C3_NW	4.93	12	MD	0.25	small piece frag	Complete	Complete
67	C3_67	52	4.87	2	MEC_MD		4-7.62 small arm cartridge & 20mm projectile	Complete	Complete
68	C3_68	C3_NW	4.75	12	MD	0.5	6-7.62 cartridge case, 8 piece frag, alloy frag, 3.5" Rocket fin	Complete	Complete
69	C3_69	C3_NW	4.75	8	MD		See C3-4 (3 piece frag)	Complete	Complete
70	C3_70	C3_SW	4.75	4	MD	0.25	12 piece frag & 50 cal slug	Complete	Complete
71	C3_71	C3_SW	4.69	1	MD_RRD		1-7.62 small arm cartridge & 1-small wire	Complete	Complete
72	C3_72	C3_NW	4.65	3	MD	0.25	4 piece brass & aluminum	Complete	Complete
73	C3_73	39	4.64	0	MD	1.5	1-large piece frag, piece wire & 1-7.62 small arm cartridge	Complete	Complete
74	C3_74	C3_SW	4.63	3	MD	0.25	3 piece frag	Complete	Complete
75	C3_75	52	4.60	6	MD	2	2-large frag	Complete	Complete
76	C3_76	52	4.58	4	MD	0.25	1-50 cal cartridge, 1-5.56 small arm cartridge & 1-piece frag	Complete	Complete
77	C3_77	39	4.58	3	MD	0.5	5 piece frag	Complete	Complete
78	C3_78	C3_NW	4.44	9	MD_RRD	0.5	30mm practice, 2 pieces frag, alloy & wire	Complete	Complete
79	C3_79	39	4.37	6	MD	0.5	4 piece frag	Complete	Complete
80	C3_80	39	4.16	3	MD	1	frag	Complete	Complete
81	C3_81	C3_NW	4.05	4	MD	0.25	6 piece frag	Complete	Complete
82	C3_82	39	4.03	1	MD	0.25	alloy	Complete	Complete
83	C3_83	C3_NW	4.02	4	MD	0.25	5 piece frag	Complete	Complete
84	C3_84	C3_SW	3.98	4	MD_RRD	0.25	frag & wire	Complete	Complete
85	C3_85	C3_NW	3.97	9	MD		See C3-66 (small piece frag)	Complete	Complete
86	C3_86	52	3.86	3	MD	0.25	4 piece frag	Complete	Complete
87	C3_87	52	3.84	5	MD		1-7.62 small arm cartridge	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
88	C3_88	C3_NW	3.84	0	MD	0.25	frag & ignitor part	Complete	Complete
89	C3_89	52	3.81	7	MD	0.25	1-7.62 small arm cartridge, 1-50 cal cartridge & 2-small piece frag	Complete	Complete
90	C3_90	39	3.78	3	MD	0.75	frag	Complete	Complete
91	C3_91	C3_NW	3.77	4	MD	0.25	frag & brass	Complete	Complete
92	C3_92	C3_NW	3.75	3	MD_RRD	0.25	3 cartridge case, 2 piece alloy, 2 nails & communication wire	Complete	Complete
93	C3_93	C3_SW	3.73	6	MD_RRD	0.26	5 piece frag & wire	Complete	Complete
94	C3_94	C3_SW	3.72	1	MD		1-7.62 small arm cartridge.	Complete	Complete
95	C3_95	39	3.71	2	MD	0.25	1-50 cal cartridge & 2-piece frag	Complete	Complete
96	C3_96	C3_SW	3.68	2	MD	1	1-7.62 small arm round & 1-frag	Complete	Complete
97	C3_97	52	3.62	1	MD	0.5	1-small frag	Complete	Complete
98	C3_98	52	3.59	5	MD		2-small piece frag	Complete	Complete
99	C3_99	52	3.53	2	MD		2-7.62 small arm cartridge	Complete	Complete
100	C3_100	39	3.46	2	MD	0.25	3 piece alloy	Complete	Complete
101	C3_101	39	3.42	3	MD		1-7.62 small arm cartridge & 1 small piece frag	Complete	Complete
102	C3_102	C3_SW	3.37	4	MEC_MD	0.75	3 piece brass, 2 piece frag & 20mm projectile	Complete	Complete
103	C3_103	39	3.34	1	MD	0.25	2 piece frag, 2 alloy & 2 cartridge cases	Complete	Complete
104	C3_104	52	3.18	4	MD		1-7.62 small arm cartridge, 1-5.56 small arm round, 2-aluminum frag piece & 1- small piece frag	Complete	Complete
105	C3_105	C3_NW	3.16	3	MD	0.25	3 piece frag	Complete	Complete
106	C3_106	52	3.15	2	MD	0.25	2 piece frag, 2 alloy & 2 cartridge cases	Complete	Complete
107	C3_107	C3_SW	3.14	4	MD_RRD	0.25	brass, 8 piece aluminum & wire	Complete	Complete
108	C3_108	C3_NW	3.13	4	MD	0.25	4 piece frag	Complete	Complete
109	C3_109	52	3.03	2	MD	0.75	1-50 cal cartridge, 1-30mm practice projectile & 2-piece frag	Complete	Complete
110	C3_110	C3_SW	3.02	2	MD	0.25	2 piece brass	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
111	C3_111	39	3.00	12	MD	1	8 piece frag, 3 piece alloy & 50 cal cartridge.	Complete	Complete
1	C4_1	41	78.98	24	RRD	100	RRD	Complete	Complete
2	C4_2	40	78.61	5	MD	5	3.5" Rocket Motor	Complete	Complete
3	C4_3	40	65.01	26	RRD	40	RRD	Complete	Complete
4	C4_4	40	34.79	1	MD	2	3.5" Rocket Motor	Complete	Complete
5	C4_5	40	31.80	10	MD	5	Frag	Complete	Complete
6	C4_6	40	27.84	26	RRD	10	RRD	Complete	Complete
7	C4_7	40	18.25	18	RRD	7	RRD	Complete	Complete
8	C4_8	53	15.72	28	RRD	60	RRD	Complete	Complete
9	C4_9	40	14.64		MD	0.5	Frag	Complete	Complete
10	C4_10	40	12.54	8	MD	1	Frag	Complete	Complete
11	C4_11	41	12.46	0	NF		nothing found-Vallon checked	Complete	Complete
12	C4_12	40	12.10	2	MD	0.5	Frag	Complete	Complete
13	C4_13	40	11.99	12	MD	1.5	Frag	Complete	Complete
14	C4_14	54	10.76	2	MD	0.5	Frag	Complete	Complete
15	C4_15	40	9.05	14	MD	2	Frag	Complete	Complete
16	C4_16	41	7.80	8	MD	0.5	Frag	Complete	Complete
17	C4_17	40	7.52	4	MD	0.75	Frag	Complete	Complete
18	C4_18	40	6.49	1	MD	0.25	Frag	Complete	Complete
19	C4_19	41	6.46	2	MD	0.5	Frag	Complete	Complete
20	C4_20	40	6.37	3	MD	0.5	Frag	Complete	Complete
21	C4_21	40	6.24	0	NF		nothing found-Vallon checked	Complete	Complete
22	C4_22	40	6.06	2	MD	0.5	Frag	Complete	Complete
23	C4_23	54	5.22	1	RRD	0.15	Wire	Complete	Complete
24	C4_24	40	5.21	4	MD	0.5	Frag	Complete	Complete
25	C4_25	53	4.94	1	MD	0.25	Frag	Complete	Complete
26	C4_26	40	4.41	6	RRD	0.5	RRD	Complete	Complete
27	C4_27	40	4.32	18	MD	1	Frag	Complete	Complete
28	C4_28	40	4.06	4	MD	0.25	Frag	Complete	Complete
29	C4_29	53	3.92	1	MD	0.1	Frag	Complete	Complete
30	C4_30	40	3.86	5	MD	0.25	Frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
31	C4_31	53	3.84	1	MD	0.25	Frag	Complete	Complete
32	C4_32	54	3.80	12	MD	0.5	Frag	Complete	Complete
33	C4_33	53	3.66	0	NF		nothing found-Vallon checked	Complete	Complete
34	C4_34	54	3.58	1	RRD	0.1	Wire	Complete	Complete
35	C4_35	40	3.50	4	MD	0.25	Frag	Complete	Complete
36	C4_36	40	3.05	2	MD	0.25	Frag	Complete	Complete
37	C4_37	40	3.01	6	MD	0.25	Cartridge Casing	Complete	Complete
38	C4_38	40	3.00	4	MD	0.25	Cartridge Casing	Complete	Complete
1	Q41_1	41	44.51	12	MD_RRD	14	2-50 cal round, 20mm cartridge, 7-piece frag, sign post & wire	Complete	Complete
1	Q54_1	54	79.03	36	MEC_MD_RR	24	point detonating fuze, 20mm cartridge w/round, 15-piece frag, 50 cal cartridge, AP round, 50 cal round, steel, 9-piece wire & jet perforator	Complete	Complete
2	Q41_2	41	39.77	36	MD_RRD	8	2-piece aluminum, law tube, 2-30mm projectiles, 9-piece frag, 40mm cartridge, 50 cal cartridge, 11-piece brass, M60 ignitor & 26' wire	Complete	Complete
2	Q54_2	54	34.44	18	MEC_MD	6	9-piece frag & 81mm candle	Complete	Complete
3	Q41_3	41	32.93	12	MD_RRD	15	2-expanded perforators, 13-piece frag, 3-piece brass, 50 cal round, large steel plate & 5-piece wire	Complete	Complete
3	Q54_3	54	30.65	18	MD_RRD	16	5-piece brass, 30mm practice, 3-piece 50 cal, RRD strapping & 1-large piece steel	Complete	Complete
4	Q54_4	54	24.03	12	MD	8	19-piece MD & 2-piece brass	Complete	Complete
4	Q41_4	41	30.29	36	MEC	7	17-MK 13 flares & 3-MK 13 flares pyrotechnics	Complete	Complete
5	Q41_5	41	26.47	14	MD_RRD	2.5	2-40mm fuze, 10-piece brass, 5-piece frag, 50 cal round, green spoon & 7-piece wire	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
5	Q54_5	54	21.63	8	MD_RRD	3	30mm practice cartridge, 2-piece frag, 9 piece brass, 20mm link, 1-nail & 4-piece wire	Complete	Complete
6	Q54_6	54	18.76	18	MD_RRD	8	8-piece frag, 1-piece brass, 3-50 cal round, 3-piece aluminum	Complete	Complete
6	Q41_6	41	21.77	32	MEC_MD_RR	3	4-piece frag, wire & 8- Jet perforators	Complete	Complete
7	Q41_7	41	21.02	36	MD_RRD	4	8-piece frag & 7-piece wire	Complete	Complete
7	Q54_7	54	17.58	8	MD_RRD	3	7-piece frag, 50 cal round, 2-piece aluminum & 6" wire	Complete	Complete
8	Q54_8	54	15.65	18	MD_RRD	8	8-piece brass, 21-piece frag, 3-50 cal cartridge, M60 ignitor, 20mm link & bangalore torp can	Complete	Complete
8	Q41_8	41	17.58	42	RRD	2	large piece steel	Complete	Complete
9	Q54_9	54	13.19	12	MD_RRD	5	3-50 cal round, 10-piece brass, 40mm frag sleeve, 9-piece frag, 2-50 cal round, M1 clip & wire	Complete	Complete
9	Q41_9	41	12.89	36	MEC_MD_RR	3	5-piece brass, 50 cal round, 14-piece frag, 4-piece wire & M60 ignitor	Complete	Complete
10	Q54_10	54	10.06	8	MD	2	44-piece frag & 2-piece brass	Complete	Complete
10	Q41_10	41	11.23	38	MD_RRD	2	7-piece frag & 4' wire	Complete	Complete
11	Q41_11	41	11.22	18	MD_RRD	2.5	6-piece frag & 2-piece wire	Complete	Complete
11	Q54_11	54	9.35	10	MEC_MD	4	12-piece MD, large piece aluminum & unknown CAD	Complete	Complete
12	Q41_12	41	10.89	16	MD_RRD	3.5	M-1 pull device, 50 cal cartridge, 10-piece frag, 2-50 cal round, 20mm cartridge & 8-piece wire	Complete	Complete
12	Q54_12	54	8.89	18	MD_RRD	5	16-piece brass, perforator expended, 20-piece frag & 7-piece wire	Complete	Complete
13	Q41_13	41	10.68	24	MD_RRD	1	3-piece frag & 6-piece wire	Complete	Complete
13	Q54_13	54	6.93	30	MD_RRD	13	5-piece frag, large piece aluminum, 2-piece brass, 57-piece MD & 26-piece wire	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
14	Q54_14	54	6.73	8	MD_RRD	2	7-piece frag, 2-piece brass, large piece aluminum, 5-nails & 4-piece wire	Complete	Complete
14	Q41_14	41	8.10	18	MEC_MD	2	3-piece frag, 30mm projectile & nose fuze	Complete	Complete
15	Q54_15	54	6.68	18	MD	3	sub cal round, 50 cal cartridge, aluminum, piece frag & large piece steel	Complete	Complete
15	Q41_15	41	7.84	28	MD_RRD	1	3-piece frag & 12" wire	Complete	Complete
16	Q41_16	41	7.32	2	MD_RRD	1	3.5" Rocket Fin, 15-piece frag, 4-piece brass & 3-piece wire	Complete	Complete
16	Q54_16	54	6.46	9	MD_RRD		20mm cartridge, 8-piece frag, wire & bangalore torp can	Complete	Complete
17	Q41_17	41	7.28	28	MD_RRD	1	4-piece frag & 10" wire	Complete	Complete
18	Q54_18	54	5.90	18	MD		see 15	Complete	Complete
18	Q41_18	41	7.06	16	MD_RRD	2	4-impulse carts, 2-piece frag & 3" wire	Complete	Complete
19	Q41_19	41	6.96	36	MD	1	6-piece frag	Complete	Complete
19	Q54_19	54	5.85	24	MD_RRD	4	3-50 cal bullets, 30mm practice fuze & 4-piece wire	Complete	Complete
20	Q41_20	41	6.45	16	MD_RRD	3	10-piece frag & 3" wire	Complete	Complete
20	Q54_20	54	5.67	5	MD_RRD	3	10-piece brass, 20mm cartridge, 2-50 cal round, 3-piece frag, & RRD, 2-links	Complete	Complete
21	Q41_21	41	5.99	15	MD_RRD	28	frag, brass, 3.5" rocket nose cone, wire, flat steel 2" X 8"	Complete	Complete
21	Q54_21	54	5.31	36	MD_RRD	8	4-20mm cartridge, 29-piece frag, 20-piece brass, 10-50 cal round, 2-50 cal cartridge, aluminum frag & RRD	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
22	Q41_22	41	5.17	36	MD_RRD	2	32-piece frag, 50 cal round, 8-piece brass, 50 cal round, 2-perforator expended, 25-small arms, large flat steel, 11' wire, 2-nails & 2-piece wire	Complete	Complete
22	Q54_22	54	4.99	12	MD_RRD	2	15-piece frag & 4-piece RRD	Complete	Complete
23	Q54_23	54	4.89	9	MD	0.25	large piece frag, 3-piece frag	Complete	Complete
23	Q41_23	41	5.01	48	MD_RRD	1	2-large piece aluminum & 2-piece wire	Complete	Complete
24	Q41_24	41	4.97	14	MD	0.5	2-piece frag	Complete	Complete
24	Q54_24	54	4.44	8	MEC_MD_RR	1.5	2-20mm cartridge cases, 5-piece brass, 6-piece frag & 2-piece RRD & jet perforator	Complete	Complete
25	Q41_25	41	4.27	6	MD	2	10-piece frag & 2-piece wire	Complete	Complete
25	Q54_25	54	4.20	36	MD_RRD	8	2-piece brass, 5-piece frag, M60 ignitor, 2-large piece sheet metal & 2-piece RRD	Complete	Complete
26	Q41_26	41	4.24	18	MD	0.25	See Q41-21 (frag, brass, 3.5" rocket nose cone, wire, flat steel 2" X 8")	Complete	Complete
26	Q54_26	54	4.14	8	MD	2	6-piece frag, 20mm cartridge, large piece aluminum & 7-piece RRD	Complete	Complete
27	Q41_27	41	4.21	10	MD_RRD	16	8-piece frag, 50 cal round, 11-piece brass, M60 ignitor, perforator explosive, 50 cal 8-piece wire	Complete	Complete
27	Q54_27	54	4.09	18	MEC_MD	8	8-piece brass, 19-piece frag, 40mm cartridge, 3-50 cal cartridge, 2-50 cal round & 20mm projectile	Complete	Complete
28	Q41_28	41	4.01	16	MD_RRD	0.5	4-piece frag	Complete	Complete
28	Q54_28	54	3.58	36	MD_RRD	18	23-large piece frag, 3.5" Rocket, 6-piece brass, 11-50 cal round, 15" wire, & 4-large piece sheet metal	Complete	Complete
29	Q41_29	41	3.96	36	MD	0.25	2-piece frag	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
29	Q54_29	54	3.47	12	MD_RRD	2	13-piece frag, 4-piece brass, 20mm cartridge & 3-piece RRD	Complete	Complete
30	Q41_30	41	3.78	18	MD	1	3-piece frag & 2-piece brass	Complete	Complete
30	Q54_30	54	3.45	2	MD_RRD	8	point detonating fuze component, 29-piece frag, 2-20mm cartridge, 2-50 cal round, 9-piece brass, 30mm practice, impulse cartridge & 10-piece wire	Complete	Complete
31	Q54_31	54	3.33	10	MD	0.5	9-piece frag	Complete	Complete
31	Q41_31	41	3.53	36	MD_RRD	0.25	2-piece frag & 10" wire	Complete	Complete
32	Q41_32	41	3.39	16	MD	0.5	2-piece frag & 2-piece brass	Complete	Complete
32	Q54_32	54	3.10	8	MD	3	5-piece frag, 2-piece brass, 2-50 cal round & 30mm practice	Complete	Complete
33	Q41_33	41	3.39	38	MD_RRD	0.25	4-piece frag & 2" wire	Complete	Complete
34	Q41_34	41	3.23	42	MD	1	5-piece frag	Complete	Complete
2	C5_2	56	122.75	8	MD	2	Frag	Complete	Complete
5	C5_5	56	57.68	8	MD	8	Frag	Complete	Complete
8	C5_8	42	32.66	6	MEC_MD	1	20mm & Frag	Complete	Complete
18	C5_18	55	15.67	12	MD	0.5	Frag	Complete	Complete
20	C5_20	42	15.48	5	MD	0.25	Frag	Complete	Complete
21	C5_21	55	14.79	2	MD	0.25	Frag	Complete	Complete
22	C5_22	56	14.25	2	MD	0.25	Frag	Complete	Complete
23	C5_23	43	13.88	14	MD	2	Frag	Complete	Complete
24	C5_24	55	13.36	10	MD	0.25	Frag	Complete	Complete
26	C5_26	55	10.88	8	MD	1	Frag	Complete	Complete
28	C5_28	42	9.49	6	MD	0.5	Frag	Complete	Complete
29	C5_29	42	9.38	4	MD	0.25	Frag	Complete	Complete
30	C5_30	55	8.39	4	MD	0.25	Frag	Complete	Complete
31	C5_31	42	7.56	1	MD	0.5	Frag	Complete	Complete
32	C5_32	42	7.44	6	MD	0.5	Frag	Complete	Complete
33	C5_33	56	7.16	4	MD	1	Frag	Complete	Complete
34	C5_34	55	6.84	8	MD	0.25	Casing & Frag	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
36	C5_36	55	6.64	4	MD	0.25	Frag	Complete	Complete
37	C5_37	55	6.55	5	MD	0.25	Frag	Complete	Complete
38	C5_38	55	6.22	1	MD	0.25	Frag	Complete	Complete
39	C5_39	42	6.11	8	MD	1	Frag	Complete	Complete
40	C5_40	55	5.95	0	NF		nothing found-Vallon checked	Complete	Complete
41	C5_41	56	5.82	2	MD	0.25	Frag	Complete	Complete
42	C5_42	43	5.72	18	MD	0.5	Frag	Complete	Complete
44	C5_44	43	5.62	8	MD	0.25	Frag	Complete	Complete
48	C5_48	43	5.13	8	MD	0.25	Frag	Complete	Complete
49	C5_49	42	4.86	0	MD		brass	Complete	Complete
50	C5_50	55	4.82	4	MD	0.25	Frag	Complete	Complete
51	C5_51	42	4.65	3	MD	0.25	Frag	Complete	Complete
52	C5_52	42	4.50	0	MD		brass	Complete	Complete
53	C5_53	42	4.42	2	MD		Frag small piece	Complete	Complete
54	C5_54	55	4.28	7	MD	0.25	brass casing	Complete	Complete
55	C5_55	56	4.24	6	MD	0.25	Frag	Complete	Complete
56	C5_56	56	4.18	10	MD	0.25	Frag	Complete	Complete
57	C5_57	55	4.15	12	MD	0.25	Frag	Complete	Complete
58	C5_58	42	4.09	6	MD	0.25	Frag	Complete	Complete
60	C5_60	56	3.92	2	MD		Frag small piece	Complete	Complete
61	C5_61	42	3.78	6	MD	0.5	Frag	Complete	Complete
62	C5_62	42	3.73	6	MD	0.25	Frag	Complete	Complete
64	C5_64	42	3.66	8	MD	0.25	Frag	Complete	Complete
65	C5_65	43	3.60	4	MD	0.25	Frag	Complete	Complete
66	C5_66	43	3.58	5	MD	0.25	Frag	Complete	Complete
67	C5_67	42	3.50	5	MD	0.5	Frag	Complete	Complete
68	C5_68	43	3.31	0	MD		brass	Complete	Complete
69	C5_69	42	3.22	9	MD	0.25	Frag	Complete	Complete
71	C5_71	42	3.10	8	MD	0.25	Frag	Complete	Complete
75	C5_75	43	3.00	0	MD		brass	Complete	Complete
76	C5_76	43	3.00	3	MD	0.25	Frag	Complete	Complete
1	C5_G2_1	C5_G2	30.31	2	MD_RRD	1	4-piece Frag & 7-piece RRD	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
1	C5_G1_1	C5_G1	6.98	8	MD_RRD	1	7-piece Frag & 4-piece RRD	Complete	Complete
1	C5_G3_1	43	22.26	6	RRD	7	Large Steel plate with a hole in middle	Complete	Complete
2	C5_G2_2	C5_G2	8.06	6	MD_RRD	0.75	8-piece Frag & 1-piece RRD	Complete	Complete
2	C5_G1_2	C5_G1	5.90	6	MD_RRD	0.75	3-piece Frag & 4-piece RRD	Complete	Complete
2	C5_G3_2	43	9.95	2	MD_RRD	0.75	Section of Engineer stake	Complete	Complete
3	C5_G3_3	43	7.09	8	MD	0.5	20MM Casings 2)	Complete	Complete
3	C5_G2_3	C5_G2	5.76	3	MD_RRD	0.75	4-piece Frag & 1-piece RRD	Complete	Complete
3	C5_G1_3	C5_G1	4.56	6	MD_RRD	0.75	4-piece Frag & 3-piece RRD	Complete	Complete
4	C5_G2_4	C5_G2	5.43	4	MD	1	6-piece Frag	Complete	Complete
4	C5_G3_4	43	5.23	3	MD	0.5	Frag and wire	Complete	Complete
4	C5_G1_4	C5_G1	4.36	4	RRD	0.5	6-piece RRD	Complete	Complete
5	C5_G2_5	C5_G2	4.67	6	MD_RRD	0.5	2-piece Frag & 2-piece RRD	Complete	Complete
5	C5_G1_5	C5_G1	4.23	4	MD_RRD	0.5	4-piece Frag & 5-piece RRD	Complete	Complete
5	C5_G3_5	43	4.63	1	RRD	0.5	Barbwire	Complete	Complete
6	C5_G2_6	C5_G2	3.31	5	MD_RRD	0.5	3-piece Frag & 2-piece RRD	Complete	Complete
6	C5_G1_6	C5_G1	4.09	4	MD_RRD	0.75	3-piece Frag & 1-piece RRD	Complete	Complete
6	C5_G3_6	31	3.50	2	RRD	0.25	Barbwire	Complete	Complete
7	C5_G2_7	C5_G2	3.26	6	MD_RRD	0.5	4-piece Frag & 3-piece RRD	Complete	Complete
7	C5_G1_7	C5_G1	3.78	3	MD_RRD	0.75	8-piece Frag & 4-piece RRD	Complete	Complete
7	C5_G3_7	43	3.39	1	RRD	0.25	Barbwire	Complete	Complete
8	C5_G2_8	C5_G2	3.06	6	MD_RRD	0.25	1-piece Frag & 5-piece RRD	Complete	Complete
8	C5_G1_8	C5_G1	3.37	2	MD_RRD	0.5	2-piece Frag & 3-piece RRD	Complete	Complete
1	C6_1	45	184.01	3	MD	0.25	Frag/washout area	Complete	Complete
2	C6_2	44	120.81	1	MD	1	Frag	Complete	Complete
3	C6_3	45	93.12	6	MD	10	Frag	Complete	Complete
4	C6_4	58	54.70	3	MD	5	Frag & 30mm practice	Complete	Complete
5	C6_5	58	26.49	14	MD	10	Frag	Complete	Complete
6	C6_6	57	23.00	6	MD	0.25	Frag	Complete	Complete
7	C6_7	58	16.80	3	MD	1.5	Frag	Complete	Complete
8	C6_8	58	16.70	2	MD	0.5	Frag	Complete	Complete
9	C6_9	44	16.01	2	MD	1	Frag	Complete	Complete
10	C6_10	58	12.85	2	MD	0.5	Frag	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
11	C6_11	45	12.16	4	MD	1	Frag	Complete	Complete
12	C6_12	44	11.43	5	RRD	3	Truck Part	Complete	Complete
13	C6_13	57	11.25	3	MD	0.25	Frag	Complete	Complete
14	C6_14	58	10.48	3	MD	0.25	Frag	Complete	Complete
15	C6_15	44	10.41	4	MD	0.5	Frag	Complete	Complete
16	C6_16	57	10.22	8	MD	0.5	Frag	Complete	Complete
17	C6_17	58	9.64	4	MD	0.5	Frag	Complete	Complete
18	C6_18	57	8.49	3	MD	0.5	Frag	Complete	Complete
19	C6_19	45	8.24	4	MD	0.5	Frag	Complete	Complete
20	C6_20	58	7.95	2	RRD	0.12	Wire	Complete	Complete
21	C6_21	58	7.87	2	MD	0.25	Frag	Complete	Complete
22	C6_22	57	7.52	12	MD	0.25	Frag	Complete	Complete
23	C6_23	58	6.71	30	MD	5	Frag	Complete	Complete
24	C6_24	45	6.45	0	NF		nothing found-Vallon checked	Complete	Complete
25	C6_25	58	6.43	4	MD	0.5	Frag	Complete	Complete
26	C6_26	45	6.40	12	MD	1	Frag	Complete	Complete
27	C6_27	45	6.27	8	MD	0.5	Frag	Complete	Complete
28	C6_28	44	6.26	18	MD	0.5	Frag	Complete	Complete
29	C6_29	44	6.20	6	MD	0.25	Frag	Complete	Complete
30	C6_30	45	6.14	2	MD	0.5	Frag	Complete	Complete
31	C6_31	58	5.89	6	MD	0.5	Frag	Complete	Complete
32	C6_32	58	5.60	5	MD	0.25	Frag	Complete	Complete
33	C6_33	45	5.58	12	MD	0.5	Frag	Complete	Complete
34	C6_34	44	5.28	4	RRD	0.25	Wire	Complete	Complete
35	C6_35	45	5.22	4	MD	1	Frag	Complete	Complete
36	C6_36	57	5.22	1	MD	0.5	Frag	Complete	Complete
37	C6_37	57	5.19	2	MD	0.25	Frag	Complete	Complete
38	C6_38	44	5.14	1	MD	0.5	Frag	Complete	Complete
39	C6_39	57	4.66	0	NF		nothing found-Vallon checked	Complete	Complete
40	C6_40	58	4.56	4	MD	0.25	Frag	Complete	Complete
41	C6_41	57	4.47	3	MD	0.25	Frag	Complete	Complete
42	C6_42	45	4.45	3	MD	0.25	Frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
43	C6_43	58	4.05	8	MD	0.25	Frag	Complete	Complete
44	C6_44	58	4.04	3	MD	0.5	Frag	Complete	Complete
45	C6_45	58	3.96	2	MD	0.5	Frag	Complete	Complete
46	C6_46	57	3.91	2	MD	0.5	Frag	Complete	Complete
47	C6_47	58	3.89	3	MD	0.5	Frag	Complete	Complete
48	C6_48	45	3.74	1	MD	0.25	Frag	Complete	Complete
49	C6_49	44	3.71	1	MD	0.5	Frag	Complete	Complete
50	C6_50	44	3.70	3	MD	0.5	Frag	Complete	Complete
51	C6_51	58	3.60	2	RRD	0.12	Frag	Complete	Complete
52	C6_52	45	3.41	3	MD	0.25	Frag	Complete	Complete
53	C6_53	58	3.39	1	RRD	0.12	Wire	Complete	Complete
54	C6_54	44	3.38	0	NF		nothing found-Vallon checked	Complete	Complete
55	C6_55	45	3.29	6	MD	0.5	Frag	Complete	Complete
56	C6_56	44	3.28	0	NF		nothing found-Vallon checked	Complete	Complete
57	C6_57	57	3.23	2	MD	0.25	Frag	Complete	Complete
58	C6_58	58	3.15	18	MD	1	Frag	Complete	Complete
59	C6_59	45	3.04	2	MD	0.25	Frag	Complete	Complete
6	C7_6	47	61.12		MD		2-7.62 small arm cartridge case, 3.5" Rocket fins & frag	Complete	Complete
24	C7_24	47	13.15		MD		Frag	Complete	Complete
26	C7_26	47	9.46		MD		frag, link & 4-7.62 small arm cartridge	Complete	Complete
27	C7_27	47	9.20		MD		30MM practice	Complete	Complete
29	C7_29	47	9.00		MD		nail & aluminum	Complete	Complete
36	C7_36	47	5.50		MD		frag, pull ring, wire, 4-7.62 small arm cartridge, 30.06 cartridge case & 308 cartridge case	Complete	Complete
37	C7_37	47	5.40		RRD		hot rock & aluminum	Complete	Complete
38	C7_38	47	4.59		MD		powder train time fuze black powder, 60mm mortar & M65 illumination fuze	Complete	Complete
39	C7_39	47	4.38	7	MD_RRD	0.25	1-piece frag & 2-pieces wire	Complete	Complete
40	C7_40	47	4.20		NF		nothing found-Vallon checked	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
41	C7_41	47	3.95	4	MD_RRD		frag, cartridge case & 2' piece barbed wire	Complete	Complete
44	C7_44	47	3.72		MD		blasting caps, 2-cart case, wire & nail	Complete	Complete
45	C7_45	47	3.69		MD		Frag	Complete	Complete
46	C7_46	47	3.57		RRD		aluminum	Complete	Complete
47	C7_47	47	3.36		MD		2-frag & wire	Complete	Complete
48	C7_48	47	3.35		MD		20mm link, wire & nail	Complete	Complete
50	C7_50	47	3.26		RRD		hot rock & wire	Complete	Complete
52	C7_52	47	3.21		MD		Frag	Complete	Complete
53	C7_53	47	3.16	4	RRD	0.25	3-piece wire	Complete	Complete
2	C7_2	59	51.02	3	MD	0.25	1-piece frag	Complete	Complete
3	C7_3	59	47.49	0	MD	3	1-piece frag	Complete	Complete
8	C7_8	59	24.70	5	MD	0.5	3-piece frag	Complete	Complete
11	C7_11	59	23.82	4	MD_RRD	2	2-piece frag & 1-piece wire	Complete	Complete
14	C7_14	59	18.80	2	MD_RRD	0.25	2-piece frag & 1-piece wire	Complete	Complete
15	C7_15	59	17.52	3	MD_RRD	1	2-piece frag & 4-piece wire	Complete	Complete
16	C7_16	59	16.09	4	RRD	0.5	3-piece wire	Complete	Complete
17	C7_17	59	15.62	3	RRD	0.5	3-piece wire	Complete	Complete
18	C7_18	59	15.41	3	RRD	1	2-piece wire	Complete	Complete
19	C7_19	59	14.98	16	MD	4	2-piece frag	Complete	Complete
22	C7_22	59	13.76	0	MD	0.25	2-piece frag	Complete	Complete
23	C7_23	59	12.99	3	MD	1	2-piece frag	Complete	Complete
25	C7_25	59	12.16	3	MD	0.5	1-piece frag	Complete	Complete
34	C7_35	59	9.76	2	RRD	0.5	3 wire	Complete	Complete
35	C7_36	59	9.50	0	RRD	0.25	2 wire	Complete	Complete
38	C7_38	59	9.15	6	MD_RRD	0.75	1 frag & 2 wire	Complete	Complete
39	C7_39	59	9.11	3	MD	0.5	2 frag	Complete	Complete
43	C7_43	59	8.32		MD	1	1-piece frag & 2-piece wire	Complete	Complete
47	C7_47	59	7.24	3	MD	0.5	2-piece frag	Complete	Complete
48	C7_48	59	7.20	6	RRD	0.75	3-piece wire	Complete	Complete
57	C7_57	59	6.08	2	MD_RRD	0.75	1-piece frag & 3-piece wire	Complete	Complete
62	C7_62	59	5.51	0	RRD	0.25	2-piece wire	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
65	C7_65	59	5.24	1	MD_RRD	0.25	1-piece frag & 2-piece wire	Complete	Complete
66	C7_66	59	4.86	3	RRD	0.25	3-piece wire	Complete	Complete
68	C7_68	59	4.53	3	RRD	0.5	3-piece wire	Complete	Complete
71	C7_71	59	4.21	6	MD	0.5	2-piece frag	Complete	Complete
73	C7_73	59	4.04	4	MD_RRD	0.25	1-piece frag & 3-piece wire	Complete	Complete
82	C7_82	59	3.43	3	RRD	0.25	3-piece wire	Complete	Complete
83	C7_83	59	3.42	0	MD	0.25	1-piece frag	Complete	Complete
84	C7_84	59	3.41	4	RRD	0.25	3-piece wire	Complete	Complete
85	C7_85	59	3.37	0	MD_RRD	0.5	1-piece frag & 2-piece wire	Complete	Complete
86	C7_86	59	3.25	2	RRD	0.25	2-piece wire	Complete	Complete
88	C7_88	59	3.07	5	RRD	0.25	1-piece wire	Complete	Complete
89	C7_89	59	3.42	0	MD	0.25	2-piece frag	Complete	Complete
1	Q46_1	46	39.69	8	MD_RRD	10	2-piece frag & 3-piece wire	Complete	Complete
2	Q46_2	46	26.79	10	MD_RRD	7	1-piece frag & 4-piece wire	Complete	Complete
3	Q46_3	46	19.87	8	MD_RRD	2	6-piece frag & 4-piece wire	Complete	Complete
4	Q46_4	46	16.52	6	MD_RRD	2	5-piece frag & 7-piece wire	Complete	Complete
5	Q46_5	46	15.93	6	MD_RRD	3	4-piece frag & 1-piece wire	Complete	Complete
6	Q46_6	46	13.95	6	MD_RRD	3	8-piece frag & 3-piece wire	Complete	Complete
7	Q46_7	46	13.87	4	MD_RRD	1	1-piece frag & 5-piece wire	Complete	Complete
8	Q46_8	46	11.28	4	MD_RRD	0.75	3-piece frag & 3-piece wire	Complete	Complete
9	Q46_9	46	10.71	4	MD_RRD	0.75	2-piece frag & 6-piece wire	Complete	Complete
10	Q46_10	46	9.15	6	MD_RRD	0.75	3-piece frag & 1-piece wire	Complete	Complete
11	Q46_11	46	8.90	7	RRD	0.5	3-piece wire	Complete	Complete
12	Q46_12	46	8.42	4	MD_RRD	0.5	3-piece frag & 2-piece wire	Complete	Complete
13	Q46_13	46	6.48	3	MD_RRD	0.25	1-piece frag & 2-piece wire	Complete	Complete
14	Q46_14	46	5.95	6	MD_RRD	1	5-piece frag & 1-piece wire	Complete	Complete
15	Q46_15	46	4.97	8	MD_RRD	1	10-piece frag & 7-piece wire	Complete	Complete
16	Q46_16	46	4.52	6	MD	0.5	2-piece frag	Complete	Complete
1	Q60_1	60	39.88	0	MD	1.5	4-piece Frag	Complete	Complete
2	Q60_2	60	29.64	12	RRD	2	9-piece wire	Complete	Complete
3	Q60_3	60	21.98	6	MD_RRD	0.75	3-piece Frag & 2-piece wire	Complete	Complete
4	Q60_4	60	13.68	8	MD_RRD	1	2-piece Frag & 3-piece wire	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
5	Q60_5	60	13.60	10	MD_RRD	2	1-piece Frag & 1-piece wire	Complete	Complete
6	Q60_6	60	9.80	12	MD	1	3-piece Frag	Complete	Complete
7	Q60_7	60	9.50	4	MD_RRD	1	2-piece Frag & 1-piece wire	Complete	Complete
8	Q60_8	60	7.96	6	MD	0.5	4-piece Frag	Complete	Complete
9	Q60_9	60	7.49	5	MD	0.75	2-piece Frag	Complete	Complete
10	Q60_10	60	6.74	9	RRD	1	12-piece wire	Complete	Complete
11	Q60_11	60	6.24	8	MD	1	3-piece Frag	Complete	Complete
12	Q60_12	60	5.09	0	RRD	0.25	2-piece wire	Complete	Complete
13	Q60_13	60	4.37	4	MD_RRD	0.5	1-piece Frag & 4-piece wire	Complete	Complete
14	Q60_14	60	4.11	6	MD	0.5	6-piece Frag	Complete	Complete
15	Q60_15	60	3.44	3	MD_RRD	0.5	1-piece Frag & 3-piece wire	Complete	Complete
1	C8_1	48	6.49	0	MD_RRD	2	1-piece Frag & 2-piece wire	Complete	Complete
2	C8_2	48	5.60	2	MD_RRD	1	2-piece Frag & 1-piece wire	Complete	Complete
4	C8_4	35	5.16	6	MD	0.25	3-piece Frag	Complete	Complete
5	C8_5	48	4.39	2	MD	1	3-piece Frag	Complete	Complete
6	C8_6	48	3.54	0	MD	0.25	1-piece Frag	Complete	Complete
7	C8_7	48	3.49	0	MD	0.25	1-piece Frag	Complete	Complete
8	C8_8	48	3.24	6	RRD	0.25	1-piece wire	Complete	Complete
9	C8_9	48	3.20	2	RRD	0.25	3-piece wire	Complete	Complete
10	C8_10	48	3.15	4	MD_RRD	0.25	2-piece Frag & 1-piece wire	Complete	Complete
1	C8_1	49	286.93	2	MD_RRD	3	5-cartridge cases, 4-piece frag & angle iron	Complete	Complete
4	C8_4	49	74.59	3	MD_RRD	5	5-piece frag, 50 cal cartridge., 2-7.62 cartridge cases & 2 piece wire	Complete	Complete
5	C8_5	49	68.05	1	MD	6	2-piece frag	Complete	Complete
6	C8_6	49	66.04	0	RRD	5	Gauge, filter	Complete	Complete
11	C8_11	49	27.77	2	MD	5	2-piece frag & .50 cal cart	Complete	Complete
12	C8_12	49	26.44	0	MD		co-located w/D8-2	Complete	Complete
24	C8_24	49	18.17	3	MEC_MD	1	1 bar fuze expended, 1-piece frag, large tin can & fuze part	Complete	Complete
27	C8_27	49	16.84	3	MD_RRD	0.5	50 cal cartridge, 7.62 cartridge, 5-piece frag & 2-links	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
28	C8_28	49	16.79	3	MD_RRD	0.5	3-piece frag, brass, 50 cal round & 3 nail & 4 piece wire	Complete	Complete
31	C8_31	49	16.27	0	MD	0.75	1-piece brass, M524 PD fuze partially expended & 3-piece frag	Complete	Complete
33	C8_33	49	15.27	6	MD_RRD	1	4-piece frag, 20mm cartridge case & lamp cord, flat steel & long bar	Complete	Complete
34	C8_34	49	15.01	1	MD_RRD	4	1-expended M51 fuze & 1-piece steel	Complete	Complete
39	C8_39	49	13.52	3	MD_RRD	1	4-piece frag, 7.62 cartridge case & 6" long wire	Complete	Complete
41	C8_41	49	12.54	4	MD	0.75	5-5.56 cartridge case & large piece alloy	Complete	Complete
42	C8_42	49	11.85	3	MD_RRD	1	2-piece frag, copper wire & electrical connection	Complete	Complete
51	C8_51	49	9.53	3	MD_RRD	0.5	3-piece frag, 50 cal cartridge & 5-piece 0-5 in. wire	Complete	Complete
65	C8_65	49	7.22	12	MD_RRD	1	alloy connector, .50 cal cartridge, 7.62 cartridge, 7-piece frag & 4-piece wire	Complete	Complete
70	C8_70	49	6.93	4	MD	0.5	5-piece frag	Complete	Complete
80	C8_80	49	6.08	3	MD_RRD	0.5	3-piece frag, 20mm cartridge case, 4-7.62mm cartridge case & 6" wire	Complete	Complete
91	C8_91	49	5.40	1	MEC_MD	0.75	frag & perforator	Complete	Complete
100	C8_100	49	5.00	3	MD	0.25	3-piece frag, 7.62 cartridge cases, bullet & rotating band	Complete	Complete
105	C8_105	49	4.30	2	MD	0.25	4-piece frag	Complete	Complete
106	C8_106	49	4.30	3	MD_RRD	0.25	4-piece frag & 2-piece wire	Complete	Complete
112	C8_112	49	4.10	1	MD_RRD	0.25	1-piece brass, 6-piece frag & 2-piece wire	Complete	Complete
118	C8_118	49	3.73	2	MD_RRD	1	7-piece frag & 2-piece wire	Complete	Complete
124	C8_124	49	3.33	2	MD_RRD	0.25	1-7.62mm cartridge case, 1-piece alloy, 3-piece frag & 1-piece wire	Complete	Complete
126	C8_126	49	3.14	0	MD	0.5	50 cal cartridge & 5-piece frag	Complete	Complete
128	C8_128	49	3.04	2	MD	0.25	5-piece frag	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
1	Q61_1	61	40.61	3	MD_RRD	3	15-piece brass, 50 cal round, 8-piece Wire & 6" Wire	Complete	Complete
1	Q62_1	62	18.66	8	MD_RRD	3	3-piece Frag & 4-piece Wire	Complete	Complete
2	Q61_2	61	11.32	10	MD_RRD	4	2-20mm cartridge cases, 8-piece frag, 4 50 cal bullet heads, 22-piece brass & 10' Wire	Complete	Complete
2	Q62_2	62	15.37	1	MD_RRD	0.5	1-piece Frag & 1-piece Wire	Complete	Complete
3	Q61_3	61	11.14	7	MD	1.5	2-40mm fuze body, M1 clip, 3-piece brass & 3-piece frag	Complete	Complete
3	Q62_3	62	8.91	4	MD_RRD	1	4-piece Frag & 2-piece Wire	Complete	Complete
4	Q61_4	61	9.69	18	MD_RRD	1.5	large piece frag, 50 cal cartridge, 8-piece brass & 20mm link	Complete	Complete
4	Q62_4	62	8.39	6	MD_RRD	0.25	2-piece brass, 1-piece Frag & 3-piece Wire	Complete	Complete
5	Q61_5	61	6.66	8	MD_RRD	3	18-piece brass, 8-piece frag, 1-20mm cartridge case, 2-50 cal cartridge case & 2-piece Wire	Complete	Complete
5	Q62_5	62	6.59	2	RRD	0.75	3-piece Wire	Complete	Complete
6	Q61_6	61	6.59	10	MD	1.5	4-piece brass, 2-piece frag, 2-large piece aluminum & 1-20mm cartridge	Complete	Complete
6	Q62_6	62	5.73	5	MD_RRD	0.75	1-piece Frag & 3-piece Wire	Complete	Complete
7	Q61_7	61	6.56	4	MD	2	10-piece frag, M60 ignitor, 50 cal bullet head & 2-piece brass	Complete	Complete
7	Q62_7	62	5.40	1	RRD	0.25	2-piece Wire	Complete	Complete
8	Q62_8	62	4.91	7	MD	0.5	2-piece Frag	Complete	Complete
8	Q61_8	61	6.13	4	MEC_MD	1.5	4-piece frag & 5- Cartridge Actuated Device	Complete	Complete
9	Q61_9	61	5.41	5	MD_RRD	0.25	1-piece brass & 1-nail	Complete	Complete
9	Q62_9	62	4.80	3	MD_RRD	0.25	2-piece Frag & 3-piece Wire	Complete	Complete
10	Q61_10	61	4.91	3	MD	1.5	50 cal round, aluminum frag & frag	Complete	Complete
10	Q62_10	62	4.36	4	RRD	0.5	3-piece Wire	Complete	Complete
11	Q61_11	61	4.63	8	MD	2.5	10-piece frag & 7-piece brass	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
11	Q62_11	62	4.32	2	RRD	0.25	3-piece Wire	Complete	Complete
12	Q61_12	61	4.62	4	MD	0.25	2-piece brass & 2-piece frag	Complete	Complete
12	Q62_12	62	3.68	1	MD_RRD	0.25	1-piece Frag & 1-piece Wire	Complete	Complete
13	Q61_13	61	4.55	4	MD	1.5	9-piece frag, 10-piece brass & 3-small arms	Complete	Complete
13	Q62_13	62	3.68	4	RRD	0.25	3-piece Wire	Complete	Complete
14	Q61_14	61	4.21	6	MD	0.5	2-piece brass, 3-large piece frag, 40mm part & 2-piece aluminum	Complete	Complete
14	Q62_14	62	3.68	1	RRD	0.25	2-piece Wire	Complete	Complete
15	Q61_15	61	4.11	4	MD_RRD	0.5	6-piece brass, 6-piece frag & 2-piece Wire	Complete	Complete
15	Q62_15	62	3.43	2	MD_RRD	0.5	1-piece Frag & 3-piece Wire	Complete	Complete
16	Q62_16	62	3.41	1	MD_RRD	0.5	2-piece Frag & 3-piece Wire	Complete	Complete
16	Q61_16	61	3.57	3	MEC_MD	0.75	frag, & 1-piece FLEX linear shape charge	Complete	Complete
17	Q61_17	61	3.31	12	MD_RRD	3	15-piece brass, 50 cal cartridge, 17-piece frag, 15-small arms & large wire	Complete	Complete
18	Q61_18	61	3.11	2	MD	0.125	1-piece brass & 1-piece alloy	Complete	Complete
1	C9_1	63	244.18	3	MD_RRD	22	5-piece brass, 3-piece frag, fwd part 152mm projectile wax filled & 1.5" piece metal	Complete	Complete
2	C9_2	63	23.18	1	MD	1	6-piece brass, 50 cal cartridge, 2-large piece frag & 2-aluminum	Complete	Complete
3	C9_3	63	16.86	0	MD	0.5	2-piece frag	Complete	Complete
4	C9_4	63	16.47	2	MD	1.5	6-piece brass & 1-piece frag	Complete	Complete
5	C9_5	63	15.19	4	MD_RRD	1	12-piece frag, 3-piece brass & wire	Complete	Complete
6	C9_6	63	14.15	2	MD_RRD	0.5	3-piece frag, aluminum, 2-piece brass & 3-piece wire	Complete	Complete
7	C9_7	63	10.42	5	MD_RRD	1.25	tail fin, large piece frag & wire	Complete	Complete
8	C9_8	63	9.70	5	MD	1	large piece frag, 7-piece brass, 50 cal round & 4-piece aluminum	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
9	C9_9	63	9.09	2	MD	0.5	20mm cartridge & 5-piece frag	Complete	Complete
10	C9_10	51	7.80	1	MD	0.75	tail fins & 1-piece frag	Complete	Complete
11	C9_11	50	7.61	1	MD_RRD	0.75	M52 plunger, steel	Complete	Complete
12	C9_12	50	6.70	1	MD_RRD	0.25	1-piece brass, 3.5" rocket cone & 1-nail	Complete	Complete
13	C9_13	63	6.64	10	MEC_MD	1.25	3-piece frag, 6-20mm projectiles & wire	Complete	Complete
14	C9_14	63	6.63	2	MD_RRD	0.5	3-piece frag, 1-piece brass & 1-nail	Complete	Complete
15	C9_15	63	6.57	2	MD	0.5	2-piece brass & heat slug	Complete	Complete
16	C9_16	63	6.31	1	MD	0.5	jet slug & 2-piece frag	Complete	Complete
17	C9_17	63	6.10	0	MD	0.75	large piece frag, 7-piece brass, 50 cal round & 4-piece aluminum	Complete	Complete
18	C9_18	63	5.95	5	MD_RRD	0.5	3-piece brass, small round, 3-piece frag & 1-nail	Complete	Complete
19	C9_19	63	5.94	2	MD	0.5	2-large piece frag & 2-50 cal round	Complete	Complete
20	C9_20	63	5.45	8	MD_RRD	0.5	40mm cartridge, 3-piece brass, 2-piece frag & wire, copper	Complete	Complete
21	C9_21	63	5.42	3	MD	0.25	.50 cal, 3-cartridge case & frag	Complete	Complete
22	C9_22	63	4.70	2	MD_RRD	0.25	2-cartridge cases, 1-frag & ammunition clip	Complete	Complete
23	C9_23	63	4.62	4	MD_RRD	0.25	3-piece frag, 50 cal cartridge, 2-piece wire & sheet metal	Complete	Complete
24	C9_24	63	4.51	4	MD_RRD	0.25	M60 ignitor, 2-cartridge cases, 2-piece wire, 1-ammo clip & 2-links	Complete	Complete
25	C9_25	63	4.33	4	MD_RRD	0.25	2-cartridge cases & 18" wire	Complete	Complete
26	C9_26	63	4.32	3	MD	0.25	50 cal, 4-piece frag & 2-piece alloy	Complete	Complete
27	C9_27	63	4.30	3	MD	0.25	3-piece brass, 1-piece frag & 1-piece aluminum	Complete	Complete
28	C9_28	63	4.29	12	MD_RRD	0.5	aluminum, 5-piece frag & wire	Complete	Complete
29	C9_29	63	4.27	4	MD_RRD	0.5	6-piece frag, 2-piece brass & wire	Complete	Complete
30	C9_30	63	4.26	1	MD	0.25	2-piece brass & 3-piece frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

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MEC - Munitions and Explosives of Concern

mV = millivolt

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
31	C9_31	63	4.05	4	MD_RRD	1	10-50 cal round, 4-piece frag & 5-piece wire	Complete	Complete
32	C9_32	63	3.92	5	MD_RRD	0.5	6-cartridge case, 2-piece frag, grid flag & wire	Complete	Complete
33	C9_33	63	3.83	4	MD	0.25	5-piece brass & 4-piece frag	Complete	Complete
34	C9_34	63	3.76	4	MD_RRD	0.25	3-cartridge case, 2-piece frag & wire	Complete	Complete
35	C9_35	63	3.55	5	MD_RRD	0.25	4-piece frag, 2-piece brass, expended perforator & 2-nail	Complete	Complete
36	C9_36	63	3.35	4	MD_RRD	0.25	2-piece frag & 3' communication wire	Complete	Complete
37	C9_37	63	3.33	3	MD_RRD	0.25	5-piece brass & 2-piece wire	Complete	Complete
38	C9_38	63	3.14	3	MD	0.25	2-piece brass, 1-piece aluminum, M1clip and 3-piece frag	Complete	Complete
39	C9_39	50	3.06	1	MD	0.25	1-piece frag	Complete	Complete
40	C9_40	50	3.06	1	MD	0.25	1-piece frag	Complete	Complete
41	C9_41	63	3.05	4	MD_RRD	0.25	2-piece frag & wire	Complete	Complete
42	C9_42	63	3.05	2	MD	0.25	2-cartridge case & 2-piece frag	Complete	Complete
1	D1_1	D1_SW	47.31	24	RRD	1	Ammunition Can	Complete	Complete
2	D1_2	D1_SE	14.48	8	MD	0.25	Frag 3 pieces	Complete	Complete
3	D1_3	D1_SE	12.96	2	MD	0.25	40mm cartridge case	Complete	Complete
4	D1_4	D1_NE	11.20	6	MD	0.25	40mm cartridge case	Complete	Complete
5	D1_5	D1_NW	10.96	0	NF		Hot Rock, Vallon checked	Complete	Complete
6	D1_6	D1_SE	9.27	1	MD	1	Frag	Complete	Complete
7	D1_7	D1_NE	9.25	6	MD	0.25	Frag 2 pieces	Complete	Complete
8	D1_8	D1_SE	8.73	8	MD	0.25	Frag 2 pieces	Complete	Complete
9	D1_9	D1_NE	7.05	7	MD	1	Frag 3 pieces	Complete	Complete
10	D1_10	D1_SW	5.48	4	MD	0.25	Frag 2 pieces	Complete	Complete
11	D1_11	D1_SW	5.21	8	MD	0.25	Frag 6 pieces	Complete	Complete
12	D1_12	D1_SW	4.77	0	NF		Hot Rock, Vallon checked	Complete	Complete
13	D1_13	D1_SE	4.72	0	NF		Hot Rock, Vallon checked	Complete	Complete
14	D1_14	D1_NE	4.65	8	MD	0.5	Frag 3 pieces	Complete	Complete
15	D1_15	D1_NE	4.57	2	MD	0.25	Frag 2 pieces	Complete	Complete
16	D1_16	D1_SE	4.54	12	MD	0.5	Frag 5 pieces	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
17	D1_17	D1_NE	4.53	4	RRD	0.25	Wire 3 pieces	Complete	Complete
18	D1_18	D1_SE	4.47	36	MD	12	Frag 38 pieces (Frag hole)	Complete	Complete
19	D1_19	D1_SW	4.42	6	MD	0.25	Frag 1 piece	Complete	Complete
20	D1_20	D1_NW	4.27	3	MD	0.25	Frag 1 piece	Complete	Complete
21	D1_21	D1_NE	4.26	4	MD	0.25	Frag 3 pieces	Complete	Complete
22	D1_22	D1_NE	4.23	6	MD	0.25	Frag 2 pieces	Complete	Complete
23	D1_23	D1_NE	3.84	6	RRD	0.25	scrap	Complete	Complete
24	D1_24	D1_SE	3.52	8	RRD	0.25	bolt 1 piece	Complete	Complete
25	D1_25	D1_SE	3.51	6	MD	0.25	Frag 1 piece	Complete	Complete
26	D1_26	D1_SE	3.45	8	MD	0.25	Frag 1 piece	Complete	Complete
27	D1_27	D1_SW	3.45	4	MD	0.25	Frag 4 pieces	Complete	Complete
28	D1_28	D1_SE	3.36	4	RRD	0.0625	barbed wire 2 pieces	Complete	Complete
29	D1_29	D1_NE	3.26	2	MD	0.5	Frag 2 pieces	Complete	Complete
30	D1_30	D1_SW	3.16	0	NF		nothing found-Vallon checked	Complete	Complete
31	D1_31	D1_NE	3.11	6	MD	0.25	Frag 2 pieces	Complete	Complete
32	D1_32	D1_SE	3.07	12	MD	0.5	Frag 10 pieces	Complete	Complete
33	D1_33	D1_SE	3.05	3	MD	0.5	Frag 4 pieces	Complete	Complete
34	D1_34	D1_NE	3.04	0	NF		nothing found-Vallon checked	Complete	Complete
35	D1_35	D1_SE	3.02	4	MD	0.25	Frag 2 pieces	Complete	Complete
36	D1_36	D1_NW	3.01	1	MD	0.25	Frag 1 piece	Complete	Complete
37	D1_37	D1_NE	3.00	6	RRD	0.0625	nails 9 pieces	Complete	Complete
38	D1_38	D1_SE	3.00	6	MD	0.0625	Frag 3 pieces	Complete	Complete
1	D2_1	D2_SE	27.97	2	MD	1	aluminum frag	Complete	Complete
2	D2_2	D2_NE	12.85	1.5	MD	0.25	5 pieces frag, 2 large pieces aluminum	Complete	Complete
3	D2_3	D2_SW	11.81	0.5	MD	0.5	large piece aluminum frag	Complete	Complete
4	D2_4	D2_SE	11.36	1	MD	0.5	7 pieces brass, large piece aluminum	Complete	Complete
5	D2_5	D2_SW	10.83	4	MD	0.25	frag & brass	Complete	Complete
6	D2_6	D2_NE	10.69	1	MD_RRD	0.25	alloy, fuze & wire	Complete	Complete
7	D2_7	D2_NE	9.65	2	MD	0.25	frag & brass	Complete	Complete
8	D2_8	D2_NW	8.75	2	MD	0.5	4 piece frag & large piece aluminum	Complete	Complete
9	D2_9	D2_NE	8.57	2	MD	0.5	3 large piece aluminum, brass	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
10	D2_10	D2_SE	8.49	3	MD	0.5	2 large piece aluminum & 4 brass cartridge	Complete	Complete
11	D2_11	D2_NE	8.06	1	MD	0.5	alloy, 2 cartridge case & 2 pieces frag	Complete	Complete
12	D2_12	D2_NW	7.36	1	MD	0.5	2 large piece aluminum, frag	Complete	Complete
13	D2_13	D2_NW	6.87	2	MD	0.25	frag	Complete	Complete
14	D2_14	D2_NE	6.84	2	MD_RRD	0.5	small piece frag, alloy, cartridge case & cologne vottle	Complete	Complete
15	D2_15	D2_NW	6.68	2	MD	0.025	6 small piece frag	Complete	Complete
16	D2_16	D2_SE	6.33	3	MD	0.25	3 piece aluminum & 3-50 cal cartridge case	Complete	Complete
17	D2_17	D2_NE	6.22	0.5	MD	0.25	chunk alloy	Complete	Complete
18	D2_18	D2_SE	5.93	3	MD	0.5	3 large piece frag	Complete	Complete
19	D2_19	D2_SW	5.73	4	MD	0.5	2 piece frag & fuze part	Complete	Complete
20	D2_20	D2_NW	5.51	3	MD	0.5	aluminum	Complete	Complete
21	D2_21	D2_SE	4.77	0	MD	0.25	aluminum frag & large aluminum apring	Complete	Complete
22	D2_22	D2_SW	4.71	6	MD	0.258	frag	Complete	Complete
23	D2_23	D2_NW	4.71	4	MD	0.25	frag	Complete	Complete
24	D2_24	D2_NE	4.66	2	MD	0.25	5 piece aluminum frag	Complete	Complete
25	D2_25	D2_SE	4.62	2	MD	0.75	4 piece aluminum frag	Complete	Complete
26	D2_26	D2_SE	4.53	1	MD	0.25	2 ipeces frag	Complete	Complete
27	D2_27	D2_NE	4.29	0	MD	0.25	3 piece brass & wire	Complete	Complete
28	D2_28	D2_SW	4.23	0	MD	0.5	8 piece frag	Complete	Complete
29	D2_29	D2_SE	4.20	2	MD	0.5	4 large piece frag	Complete	Complete
30	D2_30	D2_NW	4.14	2	MD	0.25	frag	Complete	Complete
31	D2_31	D2_SW	3.96	8	MD	0.5	frag	Complete	Complete
32	D2_32	D2_SE	3.89	2	MD	0.25	nothing found	Complete	Complete
33	D2_33	D2_NW	3.81	6	MD	0.5	frag	Complete	Complete
34	D2_34	D2_NE	3.78	1	MD	0.25	2 large piece aluminum	Complete	Complete
35	D2_35	D2_NW	3.74	4	MD	0.25	frag	Complete	Complete
36	D2_36	D2_NE	3.65	0	MD	0.025	frag	Complete	Complete
37	D2_37	D2_SW	3.63	0	MD		co located with D2-28 (8 piece frag)	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
38	D2_38	D2_SW	3.60	5	MD	0.25	3 piece aluminum	Complete	Complete
39	D2_39	D2_SE	3.57	3	RRD	0.25	4 piece wire	Complete	Complete
40	D2_40	D2_NW	3.56	3	MD	0.25	3 piece frag	Complete	Complete
41	D2_41	D2_SW	3.48	3	MD	0.25	2 piece frag & fuze part	Complete	Complete
42	D2_42	D2_SW	3.48	0	MD		co located with D2-44 (5 pieces frag)	Complete	Complete
43	D2_43	D2_SE	3.46	2	MD_RRD	0.25	4 pieces alloy, wire	Complete	Complete
44	D2_44	D2_SW	3.41	4	MD	0.5	5 pieces frag	Complete	Complete
45	D2_45	D2_SW	3.40	4	MD	0.25	5 pieces frag	Complete	Complete
46	D2_46	D2_SW	3.36	6	MD	0.25	6 pieces frag	Complete	Complete
47	D2_47	D2_SE	3.34	4	MD	0.25	3 pieces aluminum	Complete	Complete
48	D2_48	D2_SE	3.27	5	MD	0.25	brass	Complete	Complete
49	D2_49	D2_SE	3.27	4	MD	0.25	frag	Complete	Complete
50	D2_50	D2_NE	3.24	1	MD	0.25	7.62 link & 2 piece alloy	Complete	Complete
51	D2_51	D2_SE	3.22	2	MD	0.25	4 piece frag, brass & 1 piece aluminum	Complete	Complete
52	D2_52	D2_NW	3.22	3	MD	0.25	3 piece aluminum frag	Complete	Complete
53	D2_53	D2_NW	3.21	3	MD	0.5	frag	Complete	Complete
54	D2_54	D2_NE	3.18	1	MD	0.25	3 piece frag	Complete	Complete
55	D2_55	D2_SW	3.17	2	MD	0.25	2 pieces frag & brass	Complete	Complete
56	D2_56	D2_SE	3.14	0	MD	0.25	3 pieces frag	Complete	Complete
57	D2_57	D2_SW	3.12	1	MD	0.5	5 pieces aluminum frag	Complete	Complete
58	D2_58	D2_NW	3.08	2	MD_RRD	0.25	alloy, frag & wire	Complete	Complete
59	D2_59	D2_NW	3.07	1	MD	0.25	3 pieces frag	Complete	Complete
60	D2_60	D2_SE	3.02	4	MD	0.25	frag	Complete	Complete
61	D2_61	D2_SW	3.01	18	MD	0.5	large piece aluminum	Complete	Complete
62	D2_62	D2_SW	3.00	0	MD		co located with D2-40 (3 piece frag)	Complete	Complete
63	D2_63	D2_SW	3.00	3	MD	0.25	4 piece frag & 20mm cartridge case	Complete	Complete
64	D2_64	D2_SW	3.00	3	MD	0.25	2 piece frag & 50 cal cartridge	Complete	Complete
65	D2_65	D2_SE	3.00	2	MD_RRD	0.25	large piece aluminum & small piece wire	Complete	Complete
66	D2_66	D2_SE	3.00	4	MD	0.25	3 small piece frag & 2 large piece aluminum	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
67	D2_67	D2_NW	3.00	1	MD	0.25	2 pieces frag	Complete	Complete
1	D3_1	26	125.09	6	MD	12	frag	Complete	Complete
2	D3_2	26	104.83	4	MD	8	frag	Complete	Complete
3	D3_3	D3_SW	63.31	0	MD	1.5	4 large piece alloy & 3 cartridge casings	Complete	Complete
4	D3_4	26	58.03	3	MD	0.5	frag	Complete	Complete
5	D3_5	D3_SW	50.17	1	MD	0.5	frag	Complete	Complete
6	D3_6	26	48.34	6	MD	5	frag	Complete	Complete
7	D3_7	13	46.49	3	MD	2	frag	Complete	Complete
8	D3_8	26	30.96	2	RRD	2	frag	Complete	Complete
9	D3_9	26	28.45	18	MEC	12	3.5" Rocket White Phosphorus	Complete	Complete
10	D3_10	D3_SW	26.57	1	MD	0.25	alloy	Complete	Complete
11	D3_11	26	20.82	4	MD	1	frag	Complete	Complete
12	D3_12	26	17.51	1	MD	2	frag	Complete	Complete
13	D3_13	D3_SW	17.01	0	MD	0.5	alloy	Complete	Complete
14	D3_14	D3_NW	16.42	2	MD	0.5	alloy	Complete	Complete
15	D3_15	13	16.19	5	MD_RRD	1.5	frag, 21 piece brass & 2 piece wire	Complete	Complete
16	D3_16	26	15.61	3	RRD	0.5	Wire	Complete	Complete
17	D3_17	26	15.32	12	MD	4	3.5" Rocket White Phosphorus	Complete	Complete
18	D3_18	26	14.35	6	RRD	0.5	Wire	Complete	Complete
19	D3_19	26	14.31	2	MD	0.25	2-20mm projectile & 3-small arms	Complete	Complete
20	D3_20	26	14.25	2	MD	0.25	frag	Complete	Complete
21	D3_21	D3_NW	14.17	1	MD_RRD	0.25	frag & wire	Complete	Complete
22	D3_22	26	13.31	6	MD	0.25	frag	Complete	Complete
23	D3_23	D2_NE	12.88	4	MD_RRD	0.25	frag & wire	Complete	Complete
24	D3_24	D3_SW	12.46	1	MD	0.5	frag	Complete	Complete
25	D3_25	D3_SW	11.92	5	RRD	0.25	Wire & 7.62 cartridge	Complete	Complete
26	D3_26	D3_NW	11.42	1	MD	0.5	alloy	Complete	Complete
27	D3_27	26	11.25	8	RRD	2	Wire	Complete	Complete
28	D3_28	D3_SW	11.07	0	MD	0.25	20MM	Complete	Complete
29	D3_29	26	11.07	6	MD	0.25	20mm projectile & Jet perforator	Complete	Complete
30	D3_30	13	10.51	4	MD	0.25	frag	Complete	Complete

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Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
31	D3_31	26	10.00	6	RRD	0.25	Wire	Complete	Complete
32	D3_32	26	9.96	2	MD	0.25	frag	Complete	Complete
33	D3_33	13	9.35	3	MD_RRD	0.25	50 cal cartridge, frag & wire	Complete	Complete
34	D3_34	D3_SW	9.18	1	MD	0.25	alloy	Complete	Complete
35	D3_35	D3_SW	8.93	1	MD	0.1	alloy	Complete	Complete
36	D3_36	D3_SW	8.61	3	RRD	0.25	Wire	Complete	Complete
37	D3_37	D3_NW	8.52	1	MD	0.5	cartridge cases	Complete	Complete
38	D3_38	D3_SW	8.06	3	MD	0.25	alloy	Complete	Complete
39	D3_39	13	8.05	1	MD	0.25	frag	Complete	Complete
40	D3_40	13	7.70	4	MD	0.25	frag & 5 cartridge casings	Complete	Complete
41	D3_41	D3_NW	7.25	4	MD	0.5	frag	Complete	Complete
42	D3_42	D3_SW	7.00	2	MD	0.25	frag	Complete	Complete
43	D3_43	26	6.86	3	RRD	0.75	Wire	Complete	Complete
44	D3_44	D3_SW	6.77	4	MD	0.25	frag	Complete	Complete
45	D3_45	D3_SW	6.54	1	MD	0.25	cartridge cases	Complete	Complete
46	D3_46	13	6.47	2	MD	0.25	frag	Complete	Complete
47	D3_47	D3_NW	6.35	3	MD	0.25	frag	Complete	Complete
48	D3_48	D3_NW	5.95	2	MD	0.25	frag	Complete	Complete
49	D3_49	13	5.90	1	MD_RRD	0.5	frag, brass & 8 piece aluminum	Complete	Complete
50	D3_50	D3_SW	5.60	7	MD	0.25	frag	Complete	Complete
51	D3_51	D3_NW	5.29	2	MD	0.1	frag	Complete	Complete
52	D3_52	D3_SW	5.05	5	MD	0.25	cartridge case, alloy, communication wire & barb wire	Complete	Complete
53	D3_53	13	5.04	6	MD	0.5	4-20mm projectile	Complete	Complete
54	D3_54	D3_SW	4.96	5	MD	0.25	20 piece aluminum frag	Complete	Complete
55	D3_55	D3_NW	4.86	4	MD	0.25	frag & 20mm projectile	Complete	Complete
56	D3_56	D3_SW	4.85	4	MD	0.25	6 piece brass, M1 clip, 2 piece frag	Complete	Complete
57	D3_57	D3_SW	4.63	6	MD	0.5	alloy	Complete	Complete
58	D3_58	26	4.51	2	MD	0.25	frag	Complete	Complete
59	D3_59	26	4.51	3	MD	0.25	frag	Complete	Complete
60	D3_60	13	4.38	2	MD	0.35	cartridge cases	Complete	Complete
61	D3_61	26	4.30	4	MD	0.25	17 piece aluminum & brass	Complete	Complete

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Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
62	D3_62	D3_NW	4.26	3	MD	0.25	frag	Complete	Complete
63	D3_63	13	4.22	2	MD	0.1	cartridge cases	Complete	Complete
64	D3_64	13	4.22	4	RRD	0.15	Wire	Complete	Complete
65	D3_65	13	4.14	4	MD_RRD	0.25	frag & wire	Complete	Complete
66	D3_66	13	4.08	4	MD	0.25	large piece aluminum, 4 piece brass, frag	Complete	Complete
67	D3_67	26	3.94	8	MD	0.5	2 jet perforators	Complete	Complete
68	D3_68	13	3.80	4	MD	0.25	frag	Complete	Complete
69	D3_69	13	3.79	5	MD	0.25	frag	Complete	Complete
70	D3_70	D3_SW	3.58	6	MD	0.25	cartridge cases	Complete	Complete
71	D3_71	26	3.47	4	MD	0.5	3 jet perforators	Complete	Complete
72	D3_72	D3_SW	3.43	1	MD	0.25	alloy	Complete	Complete
73	D3_73	D3_SW	3.35	2	MD	0.25	frag	Complete	Complete
74	D3_74	D3_NW	3.33	2	MD	0.1	frag	Complete	Complete
75	D3_75	13	3.22	2	MD	0.25	frag	Complete	Complete
76	D3_76	D3_SW	3.17	3	MD	0.25	small piece frag & brass	Complete	Complete
77	D3_77	D3_SW	3.14	6	MD	0.25	cartridge cases	Complete	Complete
78	D3_78	D3_SW	3.12	12	MD	0.1	cartridge cases	Complete	Complete
79	D3_79	D3_NW	3.10	3	MD	0.25	frag	Complete	Complete
80	D3_80	26	3.09	4	MD	0.25	Jet perforator	Complete	Complete
81	D3_81	13	3.02	2	MD	0.1	cartridge cases	Complete	Complete
82	D3_82	D3_NW	3.01	3	MD	0.25	cartridge casing, 40mm, tail fin & 3 piece cartridge.	Complete	Complete
83	D3_83	13	3.00	0	NF		nothing found-Vallon checked	Complete	Complete
1	D4_1	15	108.89	2	MD	10	3.5" Rocket	Complete	Complete
2	D4_2	27	99.75	1	RRD	1	4" Steel rod	Complete	Complete
3	D4_3	27	76.89	12	RRD	0.25	Wire	Complete	Complete
4	D4_4	27	67.51	12	RRD	15	Fence Post	Complete	Complete
5	D4_5	27	52.48	6	MD	2	3.5" Rocket motor	Complete	Complete
6	D4_6	27	48.32	3	MD	0.125	Frag	Complete	Complete
7	D4_7	27	38.90	24	RRD	10	Stake	Complete	Complete
8	D4_8	27	33.10	2	MD	1	30MM Cartridge Casing	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC = Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
9	D4_9	27	22.47	3	RRD	0.5	11/16 Combo Wrench	Complete	Complete
10	D4_10	27	22.10	0	MD	0.25	Frag	Complete	Complete
11	D4_11	27	17.07	0	MD	0.25	Frag	Complete	Complete
12	D4_12	27	16.92	14	RRD	0.25	Wire	Complete	Complete
13	D4_13	15	12.15	1	MD	0.5	Frag	Complete	Complete
14	D4_14	27	11.90	12	RRD	0.5	RRD	Complete	Complete
15	D4_15	15	10.66	0	MD	0.5	Frag	Complete	Complete
16	D4_16	27	9.49	1	MD	1	Frag	Complete	Complete
17	D4_17	27	9.23	9	RRD	0.25	Wire	Complete	Complete
18	D4_18	27	8.75	6	RRD	0.1	RRD	Complete	Complete
19	D4_19	27	8.68	8	MD	0.1	Frag	Complete	Complete
20	D4_20	27	8.51	3	RRD	0.1	RRD	Complete	Complete
21	D4_21	27	7.85	0	MD	0.5	Jet Perforator	Complete	Complete
22	D4_22	15	7.01	1	MD	0.5	Frag	Complete	Complete
23	D4_23	15	6.60	1	MD	0.5	Frag	Complete	Complete
24	D4_24	27	6.58	5	MD	0.5	Frag	Complete	Complete
25	D4_25	27	6.20	5	MD	1	Jet Perforator	Complete	Complete
26	D4_26	27	6.17	1	MD	0.25	Jet Perforator	Complete	Complete
27	D4_27	27	6.01	6	MD	0.5	Frag	Complete	Complete
28	D4_28	27	5.99	4	NF		nothing found-Vallon checked	Complete	Complete
29	D4_29	14	5.97	8	MD	0.5	Frag	Complete	Complete
30	D4_30	27	5.90	1	RRD	0.1	Cartridge Casing	Complete	Complete
31	D4_31	27	5.84	2	RRD	0.125	Wire	Complete	Complete
32	D4_32	27	5.77	0	NF		nothing found-Vallon checked	Complete	Complete
33	D4_33	27	5.51	2	MD	0.5	Jet Perforator & wire	Complete	Complete
34	D4_34	27	5.48	5	MD	1	Frag	Complete	Complete
35	D4_35	14	5.42	8	RRD		Wire	Complete	Complete
36	D4_36	27	5.26	6	MD		Frag	Complete	Complete
37	D4_37	27	5.14	3	MD		Frag	Complete	Complete
38	D4_38	27	5.01	4	RRD		Wire	Complete	Complete
39	D4_39	27	4.86	28	MD	8	Thermal Battery & 28" frag piece	Complete	Complete
40	D4_40	14	4.75	1	MD		Frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
41	D4_41	27	4.74	6	MD		Frag	Complete	Complete
42	D4_42	14	4.72	4	MD		Frag	Complete	Complete
43	D4_43	14	4.62	1	MD		Frag	Complete	Complete
44	D4_44	27	4.50	3	MD		20MM Projectile & frag	Complete	Complete
45	D4_45	15	4.46	2	MD		Frag	Complete	Complete
46	D4_46	15	4.43	1	MD		Frag	Complete	Complete
47	D4_47	27	4.32	4	MD		Frag	Complete	Complete
48	D4_48	27	4.20	3	MD		Cartridge Casing	Complete	Complete
49	D4_49	15	4.08	1	MD		Frag	Complete	Complete
50	D4_50	27	4.08	4	MD		Frag	Complete	Complete
51	D4_51	15	4.04	2	MD		Frag	Complete	Complete
52	D4_52	27	3.88	4	MD		Frag	Complete	Complete
53	D4_53	14	3.87	1	MD		Frag	Complete	Complete
54	D4_54	27	3.81	0	RRD		Wire	Complete	Complete
55	D4_55	27	3.79	4	MD		20MM Projectile	Complete	Complete
56	D4_56	27	3.62	12	RRD		Wire	Complete	Complete
57	D4_57	15	3.52	0	MD		Frag	Complete	Complete
58	D4_58	14	3.48	1	MD		Frag	Complete	Complete
59	D4_59	27	3.38	1	MD		Frag	Complete	Complete
60	D4_60	14	3.31	1	MD		Cartridge Casing	Complete	Complete
61	D4_61	14	3.26	2	MD		Frag	Complete	Complete
62	D4_62	14	3.15	6	MD		Frag	Complete	Complete
63	D4_63	14	3.10	5	MD		Frag	Complete	Complete
64	D4_64	27	3.09	8	MD		Frag	Complete	Complete
65	D4_65	15	3.09	0	NF		nothing found-Vallon checked	Complete	Complete
66	D4_66	15	3.04	0	NF		nothing found-Vallon checked	Complete	Complete
67	D4_67	14	3.03	2	MD		Cartridge Casing	Complete	Complete
68	D4_68	14	3.01	10	RRD		Wire	Complete	Complete
69	D4_69	14	3.00	2	MD		Frag	Complete	Complete
1	D4_1	15	435.00	36	MD_RRD	35	aluminum nose cone, 25 piece frag, 20-piece brass, large piece steel with bolts & 8-piece wire	Complete	Complete

MD = Munitions Debris

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
6	D4_6	15	28.05	6	MD	8	5-piece frag, cartridge & can	Complete	Complete
17	D4_17	15	12.30	4	MD_RRD	1.25	14-piece frag, 2-cartridges, 11-piece brass & 1-piece wire	Complete	Complete
22	D4_22	15	9.23	1	MD		Frag	Complete	Complete
29	D4_29	15	7.28	3	MEC_MD_RRD		co located with 30, 42, 43 MK13 Flare	Complete	Complete
30	D4_30	15	7.28	3	MEC_MD_RRD		15-piece frag, 4-50 cal cartridge, 4-large piece aluminum & 4-piece wire & MK 13 flare	Complete	Complete
41	D4_41	15	4.20	3	MD		Frag	Complete	Complete
42	D4_42	15	4.09	3	MEC_MD_RRD		co located with 29, 30,43	Complete	Complete
43	D4_43	15	3.97	3	MEC_MD_RRD		co located with 29, 30,43	Complete	Complete
47	D4_47	15	3.19	4	MD		Frag	Complete	Complete
1	Q28_1	28	214.89	2	MD_RRD	4	2-piece frag, 10" X 10" flat alloy & 2-piece RRD	Complete	Complete
2	Q28_2	28	64.32	18	MD_RRD	10	fence post, 15-piece frag, 10-piece brass & 20-piece RRD	Complete	Complete
3	Q28_3	28	40.88	42	MD_RRD	15	20-piece frag, 10" diameter aluminum piece & 20-large piece RRD	Complete	Complete
4	Q28_4	28	37.33	6	MD_RRD	2	aluminum, 6-piece brass, 10-piece frag & 3-piece RRD	Complete	Complete
5	Q28_5	28	37.24	8	MD_RRD	2	point detonating fuze, 6-piece frag & 10-pieces RRD	Complete	Complete
6	Q28_6	28	28.39	24	MD_RRD	10	stakes, 6-piece frag & RRD	Complete	Complete
7	Q28_7	28	20.37	40	MD_RRD	3	3-piece brass, 3-piece frag, expended MK 13 flare, 23-piece steel & 11-piece RRD	Complete	Complete
8	Q28_8	28	14.01	18	MD_RRD	6	sabot round base, 25-piece frag, 4-piece brass, 50 cal bullet head & 9-piece RRD	Complete	Complete
9	Q28_9	28	12.40	24	MD_RRD	4	8-piece frag, 2-piece brass & 2-piece RRD	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
10	Q28_10	28	12.34	36	MD_RRD	20	2-piece brass, 2-cartridge cases, 58-piece frag, 3-M60 ignitors, expended smoke, 17' RRD & 2-nails	Complete	Complete
11	Q28_11	28	10.14	36	MD_RRD	11	3.5" Rocket nose cone, 20mm cartridge, 22-piece frag, 2-piece brass, M60 ignitor & RRD	Complete	Complete
12	Q28_12	28	8.44	12	RRD	4	3-piece steel	Complete	Complete
13	Q28_13	28	8.33	24	MD_RRD	6	2-piece brass, 8-piece frag, 6-piece RRD & can	Complete	Complete
14	Q28_14	28	7.88	12	MD_RRD	3	1-jet perforator expended, frag, 20mm cartridge & 1-nail	Complete	Complete
15	Q28_15	28	7.60	2	MD_RRD	2.25	8-piece frag, aluminum, 2- jet perforators & RRD	Complete	Complete
16	Q28_16	28	7.37	12	MD_RRD	3	50 cal round, 2-piece brass, CAD expended, M60 ignitor, 5-piece frag, 4-large piece steel & 4-piece RRD	Complete	Complete
17	Q28_17	28	7.13	12	MD_RRD	5	3.5" Rocket motor, 4-large piece frag & 3-piece RRD	Complete	Complete
18	Q28_18	28	6.35	12	MEC_MD_RR	3	9-piece frag, 3-piece brass & large steel clip, 7-piece RRD & MK 13 flare exp	Complete	Complete
19	Q28_19	28	5.76	36	MD_RRD	14	6-piece frag, 3.5" Rocket practice, point detonating fuze expended, Jet perforator expended, 2-50 cal round, 7-piece brass, 2-piece RRD & 2' wire	Complete	Complete
20	Q28_20	28	5.55	4	MD_RRD	1	1-piece brass, 6-piece frag & 1-piece RRD	Complete	Complete
21	Q28_21	28	4.65	0	NF		nothing found-Vallon checked	Complete	Complete
22	Q28_22	28	4.60	40	MD	3	3-piece frag, large piece flat steel & RRD	Complete	Complete
23	Q28_23	28	4.52	12	MD	0.25	1-piece frag & 7-piece brass	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
24	Q28_24	28	4.15	24	MD_RRD	6.5	expended jet perforator, 10-piece brass, 18-piece frag & 5' RRD	Complete	Complete
25	Q28_25	28	3.51	36	MD_RRD	6	3-piece brass, 17-piece frag, 12" wire, M1 clip & 7-piece RRD	Complete	Complete
26	Q28_26	28	3.44	6	MD_RRD	1.25	3-piece frag & 2-piece wire	Complete	Complete
27	Q28_27	28	3.42	0	NF		nothing found-Vallon checked	Complete	Complete
28	Q28_28	28	3.41	36	MD_RRD	28	3.5" Rocket warhead, 20mm cartridge, 50 cal round, 50 cal cartridge, 12-piece frag & 10-piece RRD	Complete	Complete
29	Q28_29	28	3.28	12	NF		nothing found-Vallon checked	Complete	Complete
30	Q28_30	28	3.19	36	MD_RRD	10	11-piece frag, 3-50 cal round, 30mm practice, large metal ring & RRD	Complete	Complete
1	D5_1	16	207.89	1	MD	7	3.5" Rocket dummy fuze inert	Complete	Complete
2	D5_2	16	20.21	8	MD	2	3.5" Rocket motor	Complete	Complete
3	D5_3	17	15.41	2	MD_RRD	1	3-piece brass & 8-piece frag-wire	Complete	Complete
4	D5_4	16	14.15	2	MD	2.5	3.5" rocket, 3-piece frag & 3-piece brass	Complete	Complete
5	D5_5	16	7.97	0	MD_RRD	1.5	4-piece brass, 3-piece frag, wire & large flat steel	Complete	Complete
6	D5_6	16	7.06	3	MD	1	5-piece brass & 4-piece frag	Complete	Complete
7	D5_7	16	6.31	6	MD	0.2	1-piece brass	Complete	Complete
8	D5_8	17	5.11	3	MD_RRD	0.75	4-piece brass, 4-piece frag & nail	Complete	Complete
9	D5_9	17	4.61	3	MD	0.5	4-piece frag & 2-piece brass	Complete	Complete
10	D5_10	16	4.51	6	MD	1.5	6-piece brass, 5-piece frag, 4-piece aluminum & 50 cal cartridge round	Complete	Complete
11	D5_11	17	4.22	3	MD	1	1-piece frag, 1-jet perforator expended, 2-piece brass & 60mm fuze	Complete	Complete
12	D5_12	17	3.63	4	MD	0.25	1-piece brass & 3-piece frag	Complete	Complete
13	D5_13	17	3.49	1	RRD	0.25	Wire	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
14	D5_14	16	3.44	3	MD	0.5	3-piece brass, 3-piece frag, 2-nails & link	Complete	Complete
15	D5_15	17	3.24	3	MD	0.5	2-piece frag & 2-50 cal round	Complete	Complete
16	D5_16	17	3.21	0	MD	0.25	1-piece frag	Complete	Complete
17	D5_17	17	3.20	8	MD	0.25	1-piece brass	Complete	Complete
18	D5_18	16	3.17	6	MD	0.25	4-piece brass & .45 cal bullet slug	Complete	Complete
19	D5_19	16	3.06	0	RRD		See D4-14	Complete	Complete
20	D5_20	17	3.05	5	MD	0.5	2-14.5mm subcal	Complete	Complete
21	D5_21	16	3.01	2	MD_RRD	0.25	4-piece aluminum & 2-nail	Complete	Complete
22	D5_22	17	3.00	3	MD	0.25	1-piece frag & 1-14.5 subcal expended	Complete	Complete
23	D5_23	17	3.00	6	MD	0.75	5-piece frag & 3-piece brass	Complete	Complete
2	D5_2	29	126.38	20	MD	28	58 pieces frag	Complete	Complete
3	D5_3	29	115.68	12	MD	4	7 pieces frag	Complete	Complete
4	D5_4	29	77.21	6	MD	0.25	7 pieces frag	Complete	Complete
6	D5_6	29	70.18	20	MEC_MD	7	1-Electronic Explosive Device, 10-20mm projectiles & 9 frag	Complete	Complete
8	D5_8	30	65.33	12	RRD	1	1 piece steel	Complete	Complete
9	D5_9	29	64.59	8	MEC_MD	5	45 pieces frag & 2.36" Rocket	Complete	Complete
10	D5_10	29	62.96	10	MD	2	frag 10 pieces	Complete	Complete
11	D5_11	29	55.01	6	MD	0.25	aluminum fins (60mm)	Complete	Complete
12	D5_12	29	40.05	10	MD	0.25	4 pieces frag	Complete	Complete
13	D5_13	29	38.85	8	MD_RRD	11	5 pieces frag, 1-3.5" rocket practice & wire	Complete	Complete
14	D5_14	29	36.44	12	MD	0.25	frag 15 pieces	Complete	Complete
15	D5_15	29	34.70	12	MEC_MD	6	C-4 bulk & 29 pieces frag	Complete	Complete
16	D5_16	30	27.99	7	MEC_MD	1	2 pieces frag & 2-20mm projectiles	Complete	Complete
17	D5_17	29	22.23	10	MD	1.5	12 pieces frag	Complete	Complete
18	D5_18	29	18.02	12	MD	1	3 pieces frag	Complete	Complete
19	D5_19	30	17.47	12	MD_RRD	6.5	10-piece brass, 22-piece aluminum, 22-piece alloy, 30-piece frag, 50 cal, practice 40mm & wire	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
20	D5_20	30	16.64	12	MD_RRD	12	55-piece frag, 2-piece brass, 6-large piece aluminum, 1-jet perforator expended, 3-nails & 1-piece wire	Complete	Complete
21	D5_21	29	16.05	24	MD_RRD	30	20-piece frag, 1-30mm, 1-jet perforator expended, 4-50 cal, 30-piece brass, 2-nails & wire	Complete	Complete
22	D5_22	30	14.28	10	MD_RRD	2	8-piece frag, 50 cal round, 2-piece brass, 10" piece steel & wire	Complete	Complete
23	D5_23	29	13.63	12	MD_RRD	5	30-piece frag, 2-50 cal, 3-piece brass, 6-piece RRD & 1-piece propellant	Complete	Complete
24	D5_24	29	12.72	6	MD	2	6-piece brass & 6-piece frag	Complete	Complete
25	D5_25	29	11.85	24	MD	7	45-piece frag, 3-piece brass, 2-bullets, 20mm cartridge, 2-jet perforator expended & large piece aluminum	Complete	Complete
26	D5_26	30	9.12	36	MD_RRD	15	9-piece aluminum, 18-piece brass, 2-50 cal cartridge & 18" wire	Complete	Complete
27	D5_27	29	8.58	12	MD_RRD	5	60-piece frag, 21-piece brass, 2-50 cal, 4-50 cal round, 5-nails & 6-wire	Complete	Complete
28	D5_28	29	7.48	8	MEC_MD_RR	3	28-piece frag, pen flare, 50 cal cartridge, 3-piece aluminum, 4-2' wire & C4 bulk	Complete	Complete
29	D5_29	30	6.77	8	MD	3	11-piece frag, 2-piece aluminum & 3-piece brass	Complete	Complete
30	D5_30	30	6.70	0	RRD	0.12	Nail	Complete	Complete
31	D5_31	29	6.47	4	MD	1	20mm cartridge, 2-piece frag & 2-piece aluminum	Complete	Complete
32	D5_32	30	6.35	6	MD	0.25	2-piece frag	Complete	Complete
33	D5_33	29	6.16	24	MD_RRD	5	30mm practice, 49-piece frag & 2-piece aluminum	Complete	Complete
34	D5_34	30	5.35	6	MD_RRD	1	Frag & Wire	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
35	D5_35	30	4.68	6	MD_RRD	1	7-piece brass, 6-piece frag, Jet perforator expended & wire	Complete	Complete
36	D5_36	30	4.47	4	RRD	0.12	Wire	Complete	Complete
37	D5_37	30	4.17	10	MD	0.25	Frag	Complete	Complete
38	D5_38	30	3.82	12	MD_RRD	3	12-piece frag, 3-brass, 4-piece aluminum & 2-piece wire	Complete	Complete
39	D5_39	30	3.57	12	MD	14	12-30mm practice, sabot tip & 4-piece frag	Complete	Complete
40	D5_40	30	3.52	4	RRD	0.12	Wire	Complete	Complete
41	D5_41	30	3.52	2	MD	0.25	Frag	Complete	Complete
42	D5_42	30	3.43	3	MD	0.25	3-piece frag	Complete	Complete
43	D5_43	29	3.42	4	MD	2	13-piece frag, 8-piece brass & 2-50 cal bullet	Complete	Complete
44	D5_44	30	3.13	4	MD	0.25	Frag	Complete	Complete
45	D5_45	30	3.08	3	MD	1	Frag	Complete	Complete
1	D6_1	19	5.52	2	MD	0.25	2-piece frag	Complete	Complete
2	D6_2	18	4.95	3	MD	0.25	7-piece frag	Complete	Complete
3	D6_3	18	4.56	4	MD	0.25	3-piece frag	Complete	Complete
4	D6_4	19	4.55	4	MD_RRD	0.5	13-piece frag & 2-piece RRD	Complete	Complete
5	D6_5	18	3.84	2	MD	0.25	3-piece frag & piece wire	Complete	Complete
6	D6_6	18	3.24	3	MD_RRD	0.25	2-piece frag	Complete	Complete
7	D6_7	19	3.15	2	MD	1	2-piece frag	Complete	Complete
8	D6_8	19	3.12	8	RRD	0.25	2-piece wire	Complete	Complete
9	D6_9	18	3.06	3	MD	0.25	5-piece frag	Complete	Complete
10	D6_10	19	3.04	4	MD	1	15-piece frag	Complete	Complete
1	D6_1	31	97.06	8	MD_RRD	8	Frag & Wire	Complete	Complete
2	D6_2	32	58.01	7	MD	3	Frag	Complete	Complete
3	D6_3	31	39.75	3	MD	10	Frag	Complete	Complete
4	D6_4	32	30.29	16	MD	2	Frag	Complete	Complete
5	D6_5	32	29.83	6	MD	1.5	Frag	Complete	Complete
6	D6_6	32	26.46	12	MD	5	Frag	Complete	Complete
7	D6_7	32	25.83	4	MD_RRD	0.5	Frag & Wire	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
8	D6_8	31	24.00	10	MD	5	Frag & Dummy Fuze	Complete	Complete
9	D6_9	32	23.62	1	MD	1	Frag	Complete	Complete
10	D6_10	31	22.13	4	MD	4	Frag	Complete	Complete
11	D6_11	32	21.12	7	MD	0.5	Frag	Complete	Complete
12	D6_12	32	20.46	6	MD_RRD	0.5	Frag & Wire	Complete	Complete
13	D6_13	32	20.21	2	MD	1	Frag	Complete	Complete
14	D6_14	32	20.02	0	NF		nothing found-Vallon checked	Complete	Complete
15	D6_15	31	16.30	18	MD	9	Frag	Complete	Complete
16	D6_16	32	13.30	6	MD	0.5	Frag	Complete	Complete
17	D6_17	31	12.85	18	MD	0.5	Frag	Complete	Complete
18	D6_18	31	11.94	12	MD_RRD	0.5	Frag & End Cap	Complete	Complete
19	D6_19	31	10.54	24	MD	0.5	Frag	Complete	Complete
20	D6_20	32	10.51	24	MD	0.75	Frag	Complete	Complete
21	D6_21	31	9.78	5	MD	0.5	Frag	Complete	Complete
22	D6_22	32	9.59	2	MD	1	Frag	Complete	Complete
23	D6_23	31	9.53	1	MD	1	Frag	Complete	Complete
24	D6_24	31	9.29	12	RRD	0.25	Metal Plate	Complete	Complete
25	D6_25	32	8.99	6	MD_RRD	1	Frag & Wire	Complete	Complete
26	D6_26	31	8.74	24	RRD	0.12	Wire	Complete	Complete
27	D6_27	31	8.69	0	NF		nothing found-Vallon checked	Complete	Complete
28	D6_28	32	8.44	14	MD_RRD	2	Frag & Wire	Complete	Complete
29	D6_29	31	7.81	8	RRD	0.12	Wire	Complete	Complete
30	D6_30	31	6.59	0	NF		nothing found-Vallon checked	Complete	Complete
31	D6_31	31	6.07	12	RRD	0.12	Wire	Complete	Complete
32	D6_32	31	5.40	0	RRD		Stake	Complete	Complete
33	D6_33	31	4.88	6	RRD	0.12	Wire	Complete	Complete
34	D6_34	32	4.73	2	MD_RRD	0.5	Frag & Wire	Complete	Complete
35	D6_35	31	4.68	3	MD	0.25	Frag	Complete	Complete
36	D6_36	31	4.51	8	MD	0.5	Frag	Complete	Complete
37	D6_37	32	4.21	6	MD_RRD	2	Frag & Wire	Complete	Complete
38	D6_38	31	4.07	2	MD	0.25	Frag	Complete	Complete
39	D6_39	32	4.06	3	MD_RRD	0.5	Frag & Wire	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
40	D6_40	31	4.04	7	MD_RRD	0.5	Frag & Wire	Complete	Complete
41	D6_41	31	4.04	2	RRD	0.12	Wire	Complete	Complete
42	D6_42	31	4.01	8	MD	0.5	Plate	Complete	Complete
43	D6_43	32	4.00	0	RRD	0.12	Wire	Complete	Complete
44	D6_44	32	3.93	6	MD	0.25	Frag	Complete	Complete
45	D6_45	32	3.91	4	MD_RRD	0.5	Frag & Wire	Complete	Complete
46	D6_46	31	3.71	0	NF		nothing found-Vallon checked	Complete	Complete
47	D6_47	32	3.61	2	MD_RRD	0.25	Frag & Wire	Complete	Complete
48	D6_48	31	3.56	4	RRD	0.12	Wire	Complete	Complete
49	D6_49	32	3.39	0	NF		nothing found-Vallon checked	Complete	Complete
50	D6_50	31	3.13	12	MD	1	Frag	Complete	Complete
51	D6_51	32	3.08	6	MD	0.25	Frag	Complete	Complete
1	D7_1	20	48.90	8	MD	5	3.5" Rocket motor & scrap	Complete	Complete
2	D7_2	20	19.77	8	MD	2.5	50-50 cal slugs	Complete	Complete
3	D7_3	21	17.78	3	MD	0.25	1-piece frag & 1-piece aluminum	Complete	Complete
4	D7_4	20	8.63	2	MD	0.25	3-piece frag & 2-piece brass	Complete	Complete
5	D7_5	21	7.75	1	MD_RRD	0.25	2-piece aluminum & 1-large spike	Complete	Complete
6	D7_6	20	6.95	6	MD_RRD	0.5	frag & scrap	Complete	Complete
7	D7_7	21	6.75	6	MD_RRD	1	5-piece frag & 3-piece wire	Complete	Complete
8	D7_8	21	6.31	3	MD	0.25	frag	Complete	Complete
9	D7_9	21	4.04	7	MD_RRD	1	3-piece frag & 4-wire	Complete	Complete
10	D7_10	21	4.00	6	MD	0.25	4-piece brass & 50 cal	Complete	Complete
11	D7_11	21	3.92	6	MD	0.25	3-piece frag	Complete	Complete
12	D7_12	20	3.87	4	MD	0.25	4-piece frag	Complete	Complete
13	D7_13	20	3.62	5	MD	0.25	5-piece frag	Complete	Complete
14	D7_14	21	3.52	3	MD	0.5	3-piece frag	Complete	Complete
15	D7_15	20	3.50	1	RRD	0.25	1-piece frag	Complete	Complete
16	D7_16	20	3.47	8	MD_RRD	0.25	3-50 cal slug, small frag, 4-nails & wire	Complete	Complete
17	D7_17	20	3.32	2	MD	0.25	2-50 cal cartridge & frag	Complete	Complete
18	D7_18	21	3.32	4	MD	0.25	8-piece frag & bullets	Complete	Complete
19	D7_19	21	3.32	4	MD	0.25	2-piece frag	Complete	Complete

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TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
20	D7_20	20	3.30	6	MD	0.25	1-piece frag	Complete	Complete
21	D7_21	21	3.27	6	MD	1	8-piece frag & bullets	Complete	Complete
22	D7_22	20	3.26	2	RRD	0.25	3-piece wire	Complete	Complete
23	D7_23	20	3.26	1	MD	0.25	2-piece brass & 2-piece frag	Complete	Complete
24	D7_24	21	3.24	2	MD	0.25	3-piece frag	Complete	Complete
25	D7_25	20	3.06	0	NF		nothing found-Vallon checked	Complete	Complete
26	D7_26	21	3.03	3	MD	0.25	4-piece brass	Complete	Complete
27	D7_27	20	3.03	5	MD_RRD	0.25	frag & wire	Complete	Complete
1	D7_1	33	33.53	0	MD_RRD	0.5	20 piece aluminum frag, large piece frag, 15-cartridge cases & 3' wire	Complete	Complete
3	D7_2	33	30.93	0	MD_RRD	0.5	frag & wire	Complete	Complete
4	D7_4	33	23.61	8	MD_RRD	1.5	3-large piece frag, 3-small piece frag & 2-barbed wire	Complete	Complete
4	D7_12	33	6.51	0	MD_RRD	0.5	1-large piece frag, 2-small piece frag & nail	Complete	Complete
5	D7_18	34	4.85	6	MD_RRD	0.5	3-piece frag, cartridge case & spring	Complete	Complete
11	D7_9	33	10.68	12	MEC_MD	2	3.5" Rocket & frag	Complete	Complete
24	D7_7	33	11.74	2	RRD	0.5	3.5" rocket motor & frag	Complete	Complete
25	D7_8	33	11.38	3	RRD	0.025	5-piece wire	Complete	Complete
26	D7_19	20	4.20	2	RRD	0.25	alloy, brass & large piece aluminum	Complete	Complete
27	D7_3	33	26.34	4	MD	2	4-piece frag & scrap	Complete	Complete
28	D7_5	33	18.94	1	MD	0.5	frag	Complete	Complete
29	D7_6	33	13.54	18	MD	3	3.5" Rocket white phosphorus & 1-piece frag	Complete	Complete
30	D7_10	33	7.83	6	MD	0.25	2-large piece frag & 1-large piece aluminum	Complete	Complete
31	D7_11	33	7.00	0	MD	0.25	large piece aluminum	Complete	Complete
32	D7_13	20	6.50	6	MD	0.25	frag & brass	Complete	Complete
33	D7_14	33	6.15	2	MD	0.25	5-piece frag	Complete	Complete
34	D7_15	20	5.93	3	MD	0.25	aluminum & frag	Complete	Complete
35	D7_16	34	5.81	1	MD	0.25	alloy & brass	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
36	D7_17	34	5.76	3	MD	0.25	3-small piece brass & 1-piece aluminum	Complete	Complete
37	D7_20	21	4.20	1	MD	0.25	copper frag	Complete	Complete
38	D7_21	33	3.99	0	MD	0.25	3-piece frag	Complete	Complete
39	D7_22	33	3.96	2	MD	0.25	3-piece brass, large piece steel & 50 cal cartridge	Complete	Complete
40	D7_23	33	3.75	0	MD	0.25	2-large piece aluminum	Complete	Complete
41	D7_24	33	3.59	2	MD	0.25	6-shall casings	Complete	Complete
42	D7_25	20	3.54	0	MD	0.25	cartridge case, frag	Complete	Complete
43	D7_26	33	3.37	2	MD	0.25	2-piece frag	Complete	Complete
1	D7_1	34	6.06	2	RRD	0.25	1-piece angle iron	Complete	Complete
2	D7_2	34	4.83	2	MD	0.25	3-piece frag	Complete	Complete
3	D7_3	34	4.53	3	MD	0.25	2-piece brass & 1-piece frag	Complete	Complete
4	D7_4	21	3.52	2	MD		1-50 cal bullet without case	Complete	Complete
5	D7_5	34	3.04	1	MD_RRD	0.25	2-piece frag & 3-piece wire	Complete	Complete
1	D8_1	22	61.20	7	RRD		Steel Cable, 7"	Complete	Complete
2	D8_2	22	22.57	1	MD		Long Frag	Complete	Complete
3	D8_3	22	17.82	3	RRD		Bolt & Wire	Complete	Complete
4	D8_4	35	15.32	14	MD		3.5" Rocket Motor	Complete	Complete
5	D8_5	35	11.84	1	MD		Fuze	Complete	Complete
6	D8_6	35	11.00	1	MD		Partial Fuze	Complete	Complete
7	D8_7	35	9.90	0	NF		nothing found-Vallon checked	Complete	Complete
8	D8_8	22	8.23	6	MD		MD & Wire	Complete	Complete
9	D8_9	22	6.91	2	MD		Frag	Complete	Complete
10	D8_10	22	5.78	6	MD		Frag	Complete	Complete
11	D8_11	35	5.52	1	MD		Frag	Complete	Complete
12	D8_12	22	5.34	2	MD		Frag	Complete	Complete
13	D8_13	35	4.85	1	MD		Frag	Complete	Complete
14	D8_14	22	4.75	2	MD		2- .50 Cal	Complete	Complete
15	D8_15	35	4.28	1	MD		Frag & Mag Rock Surface	Complete	Complete
16	D8_16	22	3.95	1	MD		Frag	Complete	Complete
17	D8_17	22	3.72	2	MD		14.5mm subcal	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
18	D8_18	22	3.56	8	NF		nothing found-Vallon checked	Complete	Complete
19	D8_19	22	3.53	2	MD		.50 cal	Complete	Complete
20	D8_20	35	3.27	1	MD		Frag	Complete	Complete
21	D8_21	22	3.22	1	MD		.50 cal	Complete	Complete
22	D8_22	22	3.21	2	MD		.50 cal	Complete	Complete
23	D8_23	22	3.15	1	MD		.50 cal	Complete	Complete
24	D8_24	35	3.15	3	MD		Frag	Complete	Complete
25	D8_25	22	3.01	14	MD		API 37mm projectile	Complete	Complete
1	D8_1	23	112.75	2	MD	5	3.5" rocket practice, 1-piece frag & M405 fuze	Complete	Complete
2	D8_2	36	25.31	14	MEC_MD	1	3-piece frag, T-bar fuze & Jet Perforator	Complete	Complete
3	D8_3	36	22.54	2	MD	1.5	3-piece frag & 1-Tbar fuze	Complete	Complete
4	D8_4	23	13.86	2	MD	0.75	3-piece frag, 1-subcal & 3-piece brass	Complete	Complete
5	D8_5	23	11.57	4	MD_RRD	0.5	1-piece frag, brass & wire	Complete	Complete
6	D8_6	23	10.31	4	MD	0.5	2-large piece aluminum & 2-piece brass	Complete	Complete
7	D8_7	36	9.17	3	MD	0.5	2-large frag	Complete	Complete
8	D8_8	23	7.86	2	MD	0.25	frag	Complete	Complete
9	D8_9	36	7.24	5	MD_RRD	1	3-piece frag & large metal pin	Complete	Complete
10	D8_10	36	7.18	6	MD	1	37mm projectile practice	Complete	Complete
11	D8_11	36	7.16	2	MD_RRD	0.5	3-piece frag & wire	Complete	Complete
12	D8_12	23	6.85	1	MD_RRD	0.25	2-piece brass & 2-nails	Complete	Complete
13	D8_13	23	5.98	1	MD	0.5	2-large piece aluminum & 3-piece brass	Complete	Complete
14	D8_14	36	5.62	4	MD_RRD	0.75	3-piece frag, base fuze & 4-nails	Complete	Complete
15	D8_15	23	5.37	3	MD	0.5	1-piece frag, 2-piece aluminum & brass	Complete	Complete
16	D8_16	23	5.09	0	NF		Target in road-Vallon checked	Complete	Complete
17	D8_17	23	4.74	4	MD_RRD	0.5	2-piece brass & 3-piece wire	Complete	Complete
18	D8_18	36	4.70	6	MD_RRD	0.25	10-piece frag, 1-M60 ignitor & wire	Complete	Complete

MD = Munitions Debris

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
19	D8_19	23	4.58	3	MD	0.25	6-piece brass	Complete	Complete
20	D8_20	23	4.53	2	MD	0.25	large piece aluminum & 2-piece frag	Complete	Complete
21	D8_21	23	4.50	3	MD_RRD	0.25	1-piece frag, 1-piece brass & nail	Complete	Complete
22	D8_22	23	4.49	2	MD	0.25	1-piece frag & 2-piece brass	Complete	Complete
23	D8_23	23	4.45	2	MD_RRD	0.25	2-piece brass & 1-piece wire	Complete	Complete
24	D8_24	23	4.35	3	MD	0.25	3-piece brass & 2-piece brass	Complete	Complete
25	D8_25	36	4.23	5	MD	0.25	2-piece brass	Complete	Complete
26	D8_26	23	3.82	2	MD	0.25	2-50 cal round, 1-piece frag & 2-piece brass	Complete	Complete
27	D8_27	23	3.62	5	MD	0.25	6-piece frag	Complete	Complete
28	D8_28	23	3.62	3	MD_RRD	0.25	2-piece frag & 2-piece wire	Complete	Complete
29	D8_29	23	3.57	3	MD	0.25	3" piece aluminum, 4-piece frag & 3-piece brass	Complete	Complete
30	D8_30	23	3.45	3	MD	0.5	large piece frag, large piece aluminum & 2-piece brass	Complete	Complete
31	D8_31	36	3.16	2	MD_RRD	0.25	2-piece frag & 1-piece wire	Complete	Complete
32	D8_32	36	3.07	1	MD_RRD	0.25	1-piece frag & 1-nail	Complete	Complete
33	D8_33	36	3.05	6	MD	0.25	12-piece brass	Complete	Complete
34	D8_34	23	3.00	3	MD_RRD	0.25	2-piece brass, frag & wire	Complete	Complete
1	D9_1	25	361.84	0	RRD	3	electrical conduit tube	Complete	Complete
2	D9_2	24	339.91	2	RRD	7	steel pipe	Complete	Complete
3	D9_3	23	125.66	0	MD		See D8-1 (3.5" rocket practice, 1-piece frag & M405 fuze)	Complete	Complete
4	D9_4	37	31.15	2	MD_RRD	1	6-piece brass & 1.5" cable	Complete	Complete
5	D9_5	24	13.43	16	MD	2	40mm armor piercing projectile M81	Complete	Complete
6	D9_6	37	10.08	3	MD	0.25	40mm case, 2-7.62 case & 2-7.62 balls	Complete	Complete
7	D9_7	24	9.59	4	MD	0.5	2-piece brass & large piece frag	Complete	Complete
8	D9_8	38	8.83	3	RRD	0.75	steel	Complete	Complete
9	D9_9	37	8.06	2	MD	0.5	4-piece frag	Complete	Complete
10	D9_10	24	7.49	4	MD_RRD	0.5	large piece frag, 1-piece brass & nail	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
11	D9_11	24	6.94	1	MD	0.5	3-piece brass, 20mm cartridge & 2-piece frag	Complete	Complete
12	D9_12	38	6.23	3	MD	0.5	4-piece frag & 2-piece brass	Complete	Complete
13	D9_13	24	5.79	3	MD_RRD	0.25	1-piece frag, pipe & wire	Complete	Complete
14	D9_14	24	5.27	2	MD	0.25	6-piece brass & frag	Complete	Complete
15	D9_15	37	5.21	1	MD	0.25	frag	Complete	Complete
16	D9_16	25	5.19	3	MD_RRD	0.25	3-piece frag, 1-7.62mm cartridge, sheet metal & communication wire	Complete	Complete
17	D9_17	24	5.19	2	MD	0.25	6-piece frag, 2-piece brass & 40mm piece	Complete	Complete
18	D9_18	25	5.17	1	MD	0.5	1-large piece frag	Complete	Complete
19	D9_19	25	5.00	2	MD_RRD	0.25	2-piece frag, 1-nail & pin	Complete	Complete
20	D9_20	24	4.92	1	MD	0.25	1-piece brass, 3-piece frag & rotating band	Complete	Complete
21	D9_21	24	4.68	4	MD	0.25	50 cal round, piece frag & 1-piece brass	Complete	Complete
22	D9_22	37	4.62	4	MD_RRD	0.25	1-Jet perforator, 1-piece brass, 2-piece frag & wire	Complete	Complete
23	D9_23	37	4.54	1	MD	0.25	2-piece frag, 50 cal round & 1-piece brass	Complete	Complete
24	D9_24	24	4.42	3	MD	0.25	3-piece frag	Complete	Complete
25	D9_25	25	4.33	2	MD	0.25	1-piece alloy	Complete	Complete
26	D9_26	37	4.30	1	MD	0.25	2-piece frag & 2-cartridges	Complete	Complete
27	D9_27	37	4.20	1	MD	0.25	50 cal cartridge & 2-piece frag	Complete	Complete
28	D9_28	37	4.19	3	MD_RRD	0.25	1-piece brass, 50 cal round, 4-piece frag & 2-piece wire	Complete	Complete
29	D9_29	25	4.10	0	MD_RRD	0.25	2-piece frag & 2-nails	Complete	Complete
30	D9_30	25	3.74	2	MD	0.25	1-cartridge case, 1-piece frag & expended 14.5mm sub cal M181A1	Complete	Complete
31	D9_31	25	3.70	1	MD	0.25	1-piece frag	Complete	Complete
32	D9_32	24	3.61	2	MD_RRD	0.25	1-piece brass, grenade fuze & wire	Complete	Complete
33	D9_33	24	3.57	2	MD	0.5	4-piece brass & 3-piece frag	Complete	Complete

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ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
34	D9_34	25	3.57	3	MD_RRD	0.25	2-7.62 cartridge case, 2-piece frag & nail	Complete	Complete
35	D9_35	37	3.50	2	MD_RRD	0.25	2-cartridge case, 2-piece frag & wire	Complete	Complete
36	D9_36	38	3.47	8	MD	0.25	large piece aluminum	Complete	Complete
37	D9_37	38	3.44	2	MD	0.25	2-piece brass & 2-piece frag	Complete	Complete
38	D9_38	24	3.42	4	RRD	0.5	large piece metal & 1-nail	Complete	Complete
39	D9_39	38	3.41	4	MD	0.25	tail boom & large piece frag	Complete	Complete
40	D9_40	38	3.24	0	MD	0.25	large piece frag	Complete	Complete
41	D9_41	38	3.22	0	MD	0.25	50 cal cartridge & 1-piece frag	Complete	Complete
42	D9_42	24	3.18	1	MD	0.25	50 cal round, 7.62 round & frag	Complete	Complete
43	D9_43	24	3.17	3	MD	0.25	40mm piece & 1-piece frag	Complete	Complete
44	D9_44	38	3.16	3	MD	0.25	point detonating fuze, 6-piece frag & 50 cal round	Complete	Complete
45	D9_45	37	3.13	2	MD	0.25	3-piece frag & 1-piece alloy	Complete	Complete
46	D9_46	37	3.03	2	MD	0.5	3-piece frag & cartridge case	Complete	Complete
1	E1_1	E1_NE	11.27	1	MD	0.25	brass	Complete	Complete
2	E1_2	E1_NE	7.88	0	NF		Hot Rock-Vallon checked	Complete	Complete
3	E1_3	E1_SE	5.15	3	MD	0.5	brass	Complete	Complete
4	E1_4	E1_NE	4.46	4	MD	0.25	frag	Complete	Complete
5	E1_5	E1_SE	4.23	2	MD	0.25	frag	Complete	Complete
6	E1_6	E1_NE	3.95	0	NF		nothing found-Vallon Checked	Complete	Complete
7	E1_7	E1_NE	3.75	1	MD	0.25	frag	Complete	Complete
8	E1_8	E1_SE	3.69	0	NF		nothing found-Vallon Checked	Complete	Complete
9	E1_9	E1_SW	3.67	2	MD	0.25	frag	Complete	Complete
10	E1_10	E1_NW	3.60	1	MD	0.25	frag	Complete	Complete
11	E1_11	E1_NE	3.48	2	MD	0.25	frag	Complete	Complete
12	E1_12	E1_SW	3.42	0	NF		nothing found-Vallon Checked	Complete	Complete
13	E1_13	E1_SE	3.36	3	MD	0.25	3 piece frag	Complete	Complete
14	E1_14	E1_NW	3.32	6	MD	0.5	1 piece frag	Complete	Complete
15	E1_15	E1_NE	3.28	0	NF		nothing found-Vallon checked	Complete	Complete
16	E1_16	E1_SE	3.24	0	NF		nothing found-Vallon Checked	Complete	Complete
17	E1_17	E1_SW	3.19	6	RRD	0.25	scrap	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
18	E1_18	E1_NE	3.17	36	MD	0.25	frag	Complete	Complete
19	E1_19	E1_SE	3.11	4	MD	0.25	frag	Complete	Complete
20	E1_20	E1_SE	3.10	3	MD	0.25	frag	Complete	Complete
21	E1_21	E1_SW	3.08	0	NF		nothing found-Vallon Checked	Complete	Complete
22	E1_22	E1_SW	3.00	0	NF		nothing found-Vallon Checked	Complete	Complete
1	E2_1	E2_SW	26.54	0	MD	0.5	1 large piece aluminum & mortar tube	Complete	Complete
2	E2_2	E2_SW	16.88	0	MD	0.25	Small Arms 5.56 arm	Complete	Complete
3	E2_3	E2_SE	9.49	1	MD	0.5	1 large piece frag & 4 small piece frag	Complete	Complete
4	E2_4	E2_SE	7.12	0	MD	0.5	5 piece frag & large piece alloy	Complete	Complete
5	E2_5	E2_SW	6.48	4	MD	0.25	21 piece frag & cartridge cases	Complete	Complete
6	E2_6	E2_SE	5.75	3	MD	0.5	3 piece frag	Complete	Complete
7	E2_7	E2_SE	5.04	4	MD	0.25	3 piece alloy	Complete	Complete
8	E2_8	E2_NW	5.01	2	MD	0.5	1 large piece aluminum & small frag	Complete	Complete
9	E2_9	E2_SW	3.49	0	MD	0.25	10 small piece frag	Complete	Complete
10	E2_10	E2_SW	3.39	3	MD	0.5	alloy	Complete	Complete
11	E2_11	E2_SE	3.36	6	MD_RRD	2	15 cartridge cases, frag & conduit	Complete	Complete
12	E2_12	E2_SW	3.34	36	MD	0.25	8 piece alloy	Complete	Complete
13	E2_13	E2_SE	3.30	8	MD	0.25	1 piece aluminum frag	Complete	Complete
14	E2_14	E2_SW	3.30	3	MD	0.25	2 piece frag & 1 piece aluminum	Complete	Complete
15	E2_15	E2_SE	3.29	3	MD	0.25	2 piece frag & large piece aluminum	Complete	Complete
16	E2_16	E2_SW	3.19	0	MD		co located with E2-12 (8 piece alloy)	Complete	Complete
17	E2_17	E2_SE	3.15	24	MD_RRD	0.25	frag, brass & aluminum can opener	Complete	Complete
18	E2_18	E2_SW	3.12	6	MD	0.025	2 cartridges cases	Complete	Complete
19	E2_19	E2_SE	3.10	3	MD	0.25	frag	Complete	Complete
1	E3_1	3	1328.10	0	RRD	8	Wire Conduit	Complete	Complete
2	E3_2	3	14.23	2	NF		No Find-Vallon Checked	Complete	Complete
3	E3_3	E3_SW	14.00	1	MD	1	Frag	Complete	Complete
4	E3_4	E3_SW	9.35	2	MD		Aluminum	Complete	Complete
5	E3_5	3	8.43	2	NF		No Find-Vallon Checked	Complete	Complete
6	E3_6	E3_SW	8.43	3	RRD		Wire	Complete	Complete
7	E3_7	3	7.18	0	NF		No Find-Vallon Checked	Complete	Complete
8	E3_8	3	6.10	3	MD		Frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
9	E3_9	E3_SW	5.15	3	RRD		Wire	Complete	Complete
10	E3_10	E3_SW	4.18	3	MD		Frag	Complete	Complete
11	E3_11	E3_SW	3.42	2	NF		No Find-Vallon Checked	Complete	Complete
12	E3_12	E2_SE	3.35	2	MD		Cartridge Casing	Complete	Complete
13	E3_13	3	3.13	2	MD		Aluminum	Complete	Complete
14	E3_14	E3_SW	3.09	10	NF		No Find-Vallon Checked	Complete	Complete
15	E3_15	E3_SW	3.08	0	NF		No Find-Vallon Checked	Complete	Complete
16	E3_16	E3_SW	3.06	0	NF		No Find-Vallon Checked	Complete	Complete
							Roots Sticking out of Earth, Vallon Checked	Complete	Complete
1	E4_1	5	14.74	0	NF			Complete	Complete
2	E4_2	4	14.36	24	RRD		10 Gauge Wire	Complete	Complete
3	E4_3	6	11.66	3	MD		60MM Tail Fin	Complete	Complete
4	E4_4	4	10.77	1	MD		Frag	Complete	Complete
5	E4_5	5	7.53	1	MD		Fuze Partial	Complete	Complete
6	E4_6	4	5.90	1	NF		No Find-Vallon Checked	Complete	Complete
7	E4_7	4	3.67	2	MD		2 Small Frag	Complete	Complete
8	E4_8	4	3.65	3	MD		Frag	Complete	Complete
9	E4_9	4	3.63	2	RRD		12 Penny Nail	Complete	Complete
10	E4_10	5	3.60	0	MD		2 Pieces Frag	Complete	Complete
11	E4_11	4	3.56	2	NF		No Find-Vallon Checked	Complete	Complete
12	E4_12	4	3.53	3	MD		Cartridge Casing & 5 in. of Wire	Complete	Complete
13	E4_13	4	3.41	3	RRD		1 in. Wire	Complete	Complete
14	E4_14	5	3.40	2	RRD		1 in. Wire	Complete	Complete
15	E4_15	5	3.38	0	MD		.50 cal bullet	Complete	Complete
16	E4_16	4	3.37	0	MD		Frag	Complete	Complete
17	E4_17	5	3.35	6	NF		No Find-Vallon Checked	Complete	Complete
18	E4_18	4	3.28	0	NF		No Find-Vallon Checked	Complete	Complete
19	E4_19	5	3.23	3	MD		20MM Projectile	Complete	Complete
20	E4_20	4	3.21	3	RRD		5 in. 10 Guage Wire	Complete	Complete
21	E4_21	4	3.09	3	MD		Armor Piercing .50 cal Bullet	Complete	Complete
22	E4_22	5	3.08	2	MD		Fuzes Partial	Complete	Complete
23	E4_23	4	3.00	2	MD		Frag Small .5 X 1.25	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
1	E5_1	6	20.15	3	RRD		Aluminum, Wire & Steel Frag	Complete	Complete
2	E5_2	7	10.70	1	MD		40mm Body & Nail	Complete	Complete
3	E5_3	6	8.90	2	RRD		6 piece Small Frag	Complete	Complete
4	E5_4	6	8.74	2	MD		Cartridge Casing & Frag	Complete	Complete
5	E5_5	6	7.83	1	MD		60MM Mortar Fins	Complete	Complete
6	E5_6	6	6.84	2	RRD		2" X 2" Aluminum Frag	Complete	Complete
7	E5_7	7	6.39	0	MD		MD & Communication Wire	Complete	Complete
8	E5_8	6	5.23	0	MD		Partial Fuze	Complete	Complete
9	E5_9	7	5.06	1	RRD		Nail	Complete	Complete
10	E5_10	7	4.89	1	MD		Aluminum Frag	Complete	Complete
11	E5_11	7	4.58	1	MD		Aluminum Frag	Complete	Complete
12	E5_12	7	4.55	1	MD		.50 cal bullet	Complete	Complete
13	E5_13	6	4.46	2	RRD		Nail	Complete	Complete
14	E5_14	6	4.23	0	MD		Collapsed Heat Round Slug	Complete	Complete
15	E5_15	7	4.12	0	MD		Aluminum Frag	Complete	Complete
16	E5_16	6	3.66	0	NF		No Find-Vallon Checked	Complete	Complete
17	E5_17	6	3.45	0	MEC		20MM Projectile	Complete	Complete
18	E5_18	7	3.26	1	MD		Frag	Complete	Complete
19	E5_19	6	3.25	0	MD		Frag Wire & Small	Complete	Complete
20	E5_20	7	3.24	1	MD		14.5MM sub cal	Complete	Complete
21	E5_21	7	3.23	1	MD		Aluminum Frag	Complete	Complete
22	E5_22	6	3.23	1	MD		.50 cal bullet	Complete	Complete
23	E5_23	6	3.17	2	MD		Cartridge Casing	Complete	Complete
24	E5_24	6	3.09	0	MD		Aluminum, Wire & Steel Frag	Complete	Complete
25	E5_25	6	3.08	1	MD		Fuze Partial	Complete	Complete
26	E5_26	7	3.06	1	MD		.50 cal piece	Complete	Complete
27	E5_27	6	3.04	1	MD		Frag	Complete	Complete
28	E5_28	7	3.03	1	MD		Cartridge Casing & Wire	Complete	Complete
29	E5_29	6	3.03	1	MD		14.5MM sub cal	Complete	Complete
30	E5_30	7	3.02	4	MD		Cartridge Casing	Complete	Complete
1	E6_1	9	49.56	3	MD		3.5" Rocket motor	Complete	Complete
2	E6_2	9	31.84	0	RRD		Constantina Wire	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
3	E6_3	9	10.67	3	MD		60MM Mortar Fins & Frag	Complete	Complete
4	E6_4	8	7.93	0	MD		Frag	Complete	Complete
5	E6_5	9	7.41	2	MD		Fuze Component & Frag	Complete	Complete
6	E6_6	9	5.91	0	RRD		Communication Wire	Complete	Complete
7	E6_7	9	5.59	1	RRD		Strap Buckle	Complete	Complete
8	E6_8	8	5.03	0	MD		Aluminum Frag	Complete	Complete
9	E6_9	9	4.55	4	MD		3.5" Rocket Nose Cone	Complete	Complete
10	E6_10	8	4.11	2	MD		.50 cal bullet	Complete	Complete
11	E6_11	9	4.09	1	MD		Aluminum	Complete	Complete
12	E6_12	8	3.77	1	MD		Frag	Complete	Complete
13	E6_13	9	3.73	1	MD		Small frag	Complete	Complete
14	E6_14	9	3.65	1	MD		Small piece frag	Complete	Complete
15	E6_15	9	3.52	1	MD		Cartridge Casing & Fuze	Complete	Complete
16	E6_16	9	3.47	1	MEC		20MM Projectile	Complete	Complete
17	E6_17	9	3.41	0	RRD		Communication Wire	Complete	Complete
18	E6_18	8	3.35	0	MD		Frag	Complete	Complete
19	E6_19	9	3.26	2	MD		Small Arms	Complete	Complete
20	E6_20	8	3.21	1	MD		.50 cal Cartridge Casing	Complete	Complete
21	E6_21	8	3.20	2	MD		.50 cal bullet	Complete	Complete
22	E6_22	8	3.14	2	MD		Several Small pieces	Complete	Complete
23	E6_23	8	3.14	1	RRD		6 in. Wire	Complete	Complete
24	E6_24	8	3.04	3	MD		3- .50 cal bullet	Complete	Complete
25	E6_25	8	3.00	0	RRD		Communication Wire	Complete	Complete
26	E6_26	8	3.00	2	MD		Aluminum frag	Complete	Complete
27	E6_27	9	3.00	0	MD		Very Small frag	Complete	Complete
1	E7_1	10	69.30	3	MD		3.5" Rocket motor	Complete	Complete
2	E7_2	10	33.38	8	MD		3.5" Rocket motor	Complete	Complete
3	E7_3	11	21.91	0	RRD		Communication Wire	Complete	Complete
4	E7_4	10	14.00	0	RRD		Buckle	Complete	Complete
5	E7_5	10	10.96	2	MD		Fuze	Complete	Complete
6	E7_6	11	6.31	4	MD		Frag Several pieces	Complete	Complete
7	E7_7	11	5.55	5	MD		Frag	Complete	Complete

MD = Munitions Debris

RRD - Range Related Debris

NF = No Find

MEC - Munitions and Explosives of Concern

mV = millivolt

lbs = pounds

bgs = below ground surface

ECC

TABLE 3-11
Results from Final Survey Investigations

Demolition Area 1 Source Area COWR

TARGETS	TARGET_ID	QUAD_NO	Signal Response (mV)	DEPTH (inches bgs)	TYPE	WEIGHT (lbs)	DESCRIPTION	FIELD_QC	FIELD_QA
8	E7_8	11	4.86	0	MD		Frag	Complete	Complete
9	E7_9	10	4.13	6	MD		Aluminum Frag	Complete	Complete
10	E7_10	11	3.83	1	MD		Frag	Complete	Complete
11	E7_11	10	3.43	1	MD		Frag	Complete	Complete
12	E7_12	10	3.00	2	MD		Aluminum Frag	Complete	Complete

*MD = Munitions Debris**RRD - Range Related Debris**NF = No Find**MEC - Munitions and Explosives of Concern**mV = millivolt**lbs = pounds**bgs = below ground surface*

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TABLE 3-12
Results from Confirmation EM-61 Verification Survey

Demolition Area 1 Source Area COWR

Location	Item	Item Type	Weight	Depth (inches bgs)	Comment
Quad 29	Frag from 40 mm projectile	Munitions debris	¼ lb	18	No energetic material
Quad 69	Cartridge casing from a 20 mm projectile	Munitions debris	¼ lb	12	No energetic material
Quad 71	Small arms frag, brass	Munitions debris	N/A	8	No energetic material
Quad 84	50 cal bullet	Munitions debris	N/A	8	No energetic material
Quad 85	Frag, undistinguished type;	Munitions debris	¼ lb	8	No energetic material
	Frag, undistinguished type	Munitions debris	¼ lb	12	No energetic material

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TABLE 3-13
Investigation Results from EM-61 Survey of 15 "No Finds"

Demolition Area 1 Source Area COWR

Original No Find Target Location			Re-survey No Find Target Location					
Former Target ID	Grid	Original Response (mV)	Re-survey	Re-survey Target ID	Re-survey Response (mV)	Horizontal distance (ft) from Original	Depth (inches bgs)	Item Description
A6_25	A6	7.07	Nothing Detected	None	N/A	N/A	N/A	N/A
B2_32	B2	6.54	Nothing Detected	None	N/A	N/A	N/A	N/A
B7_34	B7	11.02	Nothing Detected	None	N/A	N/A	N/A	N/A
B7_39	B7	9.17	Detected outside 1-meter Radius	NF-3	9.09	4.54	2.15	Investigated re-survey target. No Schonstedt or Vallon response at re-survey location.
B7_53	B7	7.62	Detected outside 1-meter Radius	NF-4	5.78	10.15	11.30	Investigated re-survey target. No Schonstedt or Vallon response at re-survey location.
C3_12	C3	17.94	Nothing Detected	None	N/A	N/A	N/A	N/A
C3_23	C3	11.29	Nothing Detected	None	N/A	N/A	N/A	N/A
C3_45	C3	7.26	Nothing Detected	None	N/A	N/A	N/A	N/A
D1_5	D1	10.96	Nothing Detected	None	N/A	N/A	N/A	N/A
D8_7	D8	9.90	Detected outside 1-meter Radius	NF-1	32.34	6.46	12.00	Thick Steel Plate & 20mm Cartridge Casing
E1_2	E1	7.88	Nothing Detected	None	N/A	N/A	N/A	N/A
E3_2	E3	14.23	Nothing Detected	None	N/A	N/A	N/A	N/A
E3_5	E3	8.43	Detected outside 1-meter Radius	NF-2	17.03	3.38	6.00	6" X 2" piece of aluminum
E3_7	E3	7.88	Nothing Detected	None	N/A	N/A	N/A	N/A
E4_1	E4	14.74	Nothing Detected	None	N/A	N/A	N/A	N/A

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TABLE 3-14
BIP Summary

Demolition Area 1 Source Area COWR

Number	Incident Report Number	Pre BIP Sample ID	Post BIP Sample ID	Supplemental Sample ID(s)	Amount Exc. (cy)	Post BIP Excavation Confirmation Sample ID	Comments
1	ECC012004DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
2	ECC012004DM02	ECC012004DM02 (pre)	ECC012004DM02 (post_c)	None	N/A	N/A	No action required
3	ECC022704DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
4	ECC030405D101	ECC030405D101 (pre)	ECC030405D101 (post)	SSD1D5022-SS1 SSD1D5022-SS2 SSD1D5022-SS2 FD SSD1D5022-SS3 SSD1D5022-SS4 SSD1D5022-SS5 SSD1D5022-SS6 SSD1D5022-SS7 SSD1D5022-SS8	13	ECC030405D101-A, ECC030405D101-B, ECC030405D101-C, SSD1D5022-SS5-2, SSD1D5022-SS8-2	Area excavated based on detection in post BIP sample and SS-5 & SS-8. Confirmation samples collected after excavation to ensure removal of residual contamination
5	ECC033004DM02	None	None	N/A	N/A	N/A	Within excavation area, removed
6	ECC033004DM05	None	None	N/A	N/A	N/A	Within excavation area, removed
7	ECC040105D101	None	None	N/A	N/A	N/A	Within excavation area, removed
8	ECC040704DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
9	ECC042204DM09	None	None	N/A	N/A	N/A	Within excavation area, removed
10	ECC042205D101	ECC042205D101 (pre)	ECC042205D101 (post)	None	N/A	N/A	No action required
11	ECC050304DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
12	ECC050305D101	ECC050305D101 (pre)	ECC050305D101 (post)	None	N/A	N/A	No action required
13	ECC050404DM02	None	None	N/A	N/A	N/A	Within excavation area, removed
14	ECC062804DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
15	ECC062804DM02	None	None	N/A	N/A	N/A	Within excavation area, removed
16	ECC070803DM01	ECC070803DM01 (pre)	ECC070803DM01	None	N/A	N/A	No action required
17	ECC080904DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
18	ECC081904DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
19	ECC082103DM03	ECC082103DM03 (pre)	ECC082103DM03 (post)/composite, ECC082103DM03 (post)/discrete	None	N/A	N/A	No action required

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TABLE 3-14
BIP Summary

Demolition Area 1 Source Area COWR

Number	Incident Report Number	Pre BIP Sample ID	Post BIP Sample ID	Supplemental Sample ID(s)	Amount Exc. (cy)	Post BIP Excavation Confirmation Sample ID	Comments
20	ECC082503DM01	ECC082503DM01 (pre)	ECC082503DM01 (post)/composite, ECC082503DM01 (post)/discrete	None	N/A	N/A	No action required
21	ECC082504DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
22	ECC082704DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
23	ECC082704DM02	None	None	N/A	N/A	N/A	Within excavation area, removed
24	ECC090804DM01	None	Q22PB_053105	None	15	Q22POST-A, Q22POST-B, Q22POST-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, SSD1PB022-SS8	Items from screener were later BIP over time in Grid 22. Area excavated and confirmatory samples collected to ensure removal of residual contamination
25	ECC090903DM01	ECC090903DM01 (pre)	ECC090903DM01 (post)/composite, ECC090903DM01 (post)/discrete,	None	N/A	N/A	No action required
26	ECC090904DM01	None	Q22PB_053105	None	15	Q22POST-A, Q22POST-B, Q22POST-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, SSD1PB022-SS8	Items from screener were later BIP over time in Grid 22. Area excavated and confirmatory samples collected to ensure removal of residual contamination
27	ECC091004DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
28	ECC091004DM02	None	Q22PB_053105	None	15	Q22POST-A, Q22POST-B, Q22POST-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, SSD1PB022-SS8	Items from screener were later BIP over time in Grid 22. Area excavated and confirmatory samples collected to ensure removal of residual contamination
29	ECC091203DM02	None	None	N/A	N/A	N/A	Within excavation area, removed

BIP = Blow In Place

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TABLE 3-14
BIP Summary

Demolition Area 1 Source Area COWR

Number	Incident Report Number	Pre BIP Sample ID	Post BIP Sample ID	Supplemental Sample ID(s)	Amount Exc. (cy)	Post BIP Excavation Confirmation Sample ID	Comments
30	ECC091504DM01	None	Q22PB_053105	None	15	Q22POST-A, Q22POST-B, Q22POST-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, SSD1PB022-SS8	Items from screener were later BIP over time in Grid 22. Area excavated and confirmatory samples collected to ensure removal of residual contamination
31	ECC092403DM01	ECC092403DM01 (pre)	ECC092403DM01 (post)	ECC092403DM01 SS1 through SS20	10	ECC092403DM01-PE1, ECC092403DM01-PE2, ECC092403DM01-PE3, ECC092403DM01-PE4, ECC092403DM01-PE6, ECC092403DM01-SS16 at sequential depths.	Area excavated based on detections in post BIP sample and SS-3, SS-7, SS10, SS13, SS16, SS18. Confirmation samples collected at depth after excavation to ensure removal of residual contamination
32	ECC093003DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
33	ECC100303DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
34	ECC100603DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
35	ECC101003DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
36	ECC101204DM01	ECC101204DM01 (pre)	ECC101204DM01 (post)		1	ECC101204DM01-PE1, ECC101204DM01-PE2, ECC101204DM01-PE3, ECC101204DM01-SS1, ECC101204DM01-SS2, ECC101204DM01-SS3 & ECC101204DM01-SS4.	Area excavated based on detection in post BIP sample. Confirmation samples collected to ensure removal of residual contamination
37	ECC101304DM01	None	Q22PB_053105	None	15	Q22POST-A, Q22POST-B, Q22POST-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, SSD1PB022-SS8	Items from screener were later BIP over time in Grid 22. Area excavated and confirmatory samples collected to ensure removal of residual contamination

BIP = Blow In Place

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TABLE 3-14
BIP Summary

Demolition Area 1 Source Area COWR

Number	Incident Report Number	Pre BIP Sample ID	Post BIP Sample ID	Supplemental Sample ID(s)	Amount Exc. (cy)	Post BIP Excavation Confirmation Sample ID	Comments
38	ECC102704DM01	None	Q22PB_053105	None	15	Q22POST-A, Q22POST-B, Q22POST-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, SSD1PB022-SS8	Items from screener were later BIP over time in Grid 22. Area excavated and confirmatory samples collected to ensure removal of residual contamination
39	ECC102804DM01	None	Q22PB_053105	None	15	Q22POST-A, Q22POST-B, Q22POST-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, SSD1PB022-SS8	Items from screener were later BIP over time in Grid 22. Area excavated and confirmatory samples collected to ensure removal of residual contamination
40	ECC110804DM01	None	Q22PB_053105	None	15	Q22POST-A, Q22POST-B, Q22POST-C, SSD1PB022-SS5, SSD1PB022-SS6, SSD1PB022-SS7, SSD1PB022-SS8	Items from screener were later BIP over time in Grid 22. Area excavated and confirmatory samples collected to ensure removal of residual contamination
41	ECC111003DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
42	ECC111003DM06	None	None	N/A	N/A	N/A	Within excavation area, removed
43	ECC111203DM02	None	None	N/A	N/A	N/A	Within excavation area, removed
44	ECC122303DM01	None	None	N/A	N/A	N/A	Within excavation area, removed
46	AFC102104DM103	None	Q41PB_053105	None	2	Q41POST-A, Q41POST-B, Q41POST-C, Q41POST-A02, Q41POST-B02, Q41POST-C02	Items from screener were later BIP over time in Grid 41. Area excavated and confirmatory samples collected to ensure removal of residual contamination
47	AFC102104DM101	None	Q41PB_053105	None	2	Q41POST-A, Q41POST-B, Q41POST-C, Q41POST-A02, Q41POST-B02, Q41POST-C02	Items from screener were later BIP over time in Grid 41. Area excavated and confirmatory samples collected to ensure removal of residual contamination

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**TABLE 3-14
BIP Summary***Demolition Area 1 Source Area COWR*

Number	Incident Report Number	Pre BIP Sample ID	Post BIP Sample ID	Supplemental Sample ID(s)	Amount Exc. (cy)	Post BIP Excavation Confirmation Sample ID	Comments
45	AFC110504DM101	None	Q41PB_053105	None	2	Q41POST-A, Q41POST-B, Q41POST-C, Q41POST-A02, Q41POST-B02, Q41POST-C02	Items from screener were later BIP over time in Grid 41. Area excavated and confirmatory samples collected to ensure removal of residual contamination

APPENDICES

Appendix A

Draft RRA Plan (included on attached CD)

Appendix B

Draft RRA Plan Response to Comment Letters and
Memorandum of Resolution (included on attached CD)

Appendix C
Analytical Data

- C-1: Results of Samples Collected Beneath Munitions Items with Exposed HE
- C-2: Quad Post-soil-excavation Confirmation Sample Results
- C-3: Burn Pit Soil Sample Results
- C-4: Burn Pit Post-soil-excavation Sample Results
- C-5: Waste Characterization Results
- C-6: Pre-BIP Results
- C-7: Post-BIP Results
- C-8: BIP – Supplemental Sample Results
- C-9: BIP – Post-Excavation Sample Results
- C-10: Treated Soil Sample Results

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APPENDIX C-1

Demolition Area 1 Source Area COWR

Results of Samples Collected Beneath Munitions Items with Exposed HE

Location	Sample ID	Date	Test	Analyte	Qual	Result	DL	RL	Units
SS333-A	ECC081103DM02	8/29/2003	SW9010	Non-Detect on CYANIDE	U	ND	0.55	0.55	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	E314.0	PERCHLORATE		22000	180	560	ug/Kg
SS333-A	ECC081103DM02	8/29/2003	SW8330	2-NITROTOLUENE	J	120	6.12	13	ug/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	ALUMINUM (TOTAL)		8370	3	3	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	ANTIMONY (TOTAL)		1.2	0.6	0.6	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	ARSENIC (TOTAL)		5.3	0.61	0.61	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	BARIUM (TOTAL)		25.3	0.76	0.76	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	BERYLLIUM (TOTAL)		0.21	0.026	0.026	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	BORON (TOTAL)		4.4	0.61	0.61	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	CADMIUM (TOTAL)		4.9	0.077	0.077	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	CALCIUM (TOTAL)		335	23.3	23.3	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	CHROMIUM (TOTAL)		11	0.18	0.18	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	COBALT (TOTAL)		1.8	0.26	0.26	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	COPPER (TOTAL)		26.5	0.31	0.31	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	IRON (TOTAL)		13300	4.3	4.3	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	LEAD (TOTAL)		48.1	0.17	0.17	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	MAGNESIUM (TOTAL)		693	22.8	22.8	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	MANGANESE (TOTAL)		58	0.09	0.09	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW7470A	MERCURY (TOTAL)		0.12	0.022	0.022	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)		1	0.22	0.22	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	NICKEL (TOTAL)		5.8	0.27	0.27	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	POTASSIUM (TOTAL)		505	50.3	50.3	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	SELENIUM (TOTAL)		1.5	0.44	0.44	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	VANADIUM (TOTAL)		38.8	0.26	0.26	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW6010B	ZINC (TOTAL)		36.2	0.13	0.13	mg/Kg
SS333-A	ECC081103DM02	8/29/2003	SW8270C	BENZO(A)PYRENE	J	48	46.2	440	ug/Kg
SS333-A	ECC081103DM02	8/29/2003	SW8270C	CHRYSENE	J	56	34.9	440	ug/Kg
SS333-A	ECC081103DM02	8/29/2003	SW8270C	PHENANTHRENE	J	58	35.3	440	ug/Kg
SS333-A	SS333-SS1	4/20/2005	E314.0	Non-Detect on PERCHLORATE	U	ND	1.87	5.3	ug/Kg
SS333-A	SS333-SS2	4/20/2005	E314.0	Non-Detect on PERCHLORATE	U	ND	2.06	5.9	ug/Kg
SS333-A	SS333-SS3	4/20/2005	E314.0	Non-Detect on PERCHLORATE	U	ND	1.87	5.3	ug/Kg
SS333-A	SS333-SS4	4/20/2005	E314.0	Non-Detect on PERCHLORATE	U	ND	1.92	5.5	ug/Kg
SS333-A	SS333-SS5	4/20/2005	E314.0	Non-Detect on PERCHLORATE	U	ND	1.82	5.2	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

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APPENDIX C-1

Demolition Area 1 Source Area COWR

Results of Samples Collected Beneath Munitions Items with Exposed HE

Location	Sample ID	Date	Test	Analyte	Qual	Result	DL	RL	Units
SS333-A	SS333-SS6	4/20/2005	E314.0	Non-Detect on PERCHLORATE	U	ND	1.84	5.3	ug/Kg
SS333-A	SS333-SS7	4/20/2005	E314.0	Non-Detect on PERCHLORATE	U	ND	1.94	5.6	ug/Kg
SS333-A	SS333-SS8	4/20/2005	E314.0	Non-Detect on PERCHLORATE	U	ND	1.75	5	ug/Kg
SS334-A	ECC081103DM01	8/29/2003	SW9010	Non-Detect on CYANIDE	U	ND	0.6	0.6	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	E314.0	Non-Detect on PERCHLORATE	U	ND	1.8	5.5	ug/Kg
SS334-A	ECC081103DM01	8/29/2003	SW8330	2-NITROTOLUENE	J	75	5.89	13	ug/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	ALUMINUM (TOTAL)		8050	2.7	2.7	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	ANTIMONY (TOTAL)		0.79	0.54	0.54	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	ARSENIC (TOTAL)		5.3	0.55	0.55	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	BARIUM (TOTAL)		35.8	0.68	0.68	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	BERYLLIUM (TOTAL)		0.29	0.0231	0.0231	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	BORON (TOTAL)		3.5	0.55	0.55	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	CADMIUM (TOTAL)		0.15	0.069	0.069	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	CALCIUM (TOTAL)		193	21	21	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	CHROMIUM (TOTAL)		10.3	0.16	0.16	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	COBALT (TOTAL)		1.6	0.23	0.23	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	COPPER (TOTAL)		6.7	0.28	0.28	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	IRON (TOTAL)		14200	3.8	3.8	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	LEAD (TOTAL)		26.1	0.15	0.15	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	MAGNESIUM (TOTAL)		634	20.6	20.6	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	MANGANESE (TOTAL)		78.6	0.081	0.081	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW7470A	MERCURY (TOTAL)		0.074	0.021	0.021	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)		0.58	0.2	0.2	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	NICKEL (TOTAL)		4.1	0.24	0.24	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	POTASSIUM (TOTAL)		523	45.4	45.4	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	SELENIUM (TOTAL)		1.2	0.39	0.39	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	VANADIUM (TOTAL)		26.2	0.23	0.23	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW6010B	ZINC (TOTAL)		14	0.12	0.12	mg/Kg
SS334-A	ECC081103DM01	8/29/2003	SW8270C	Non-Detect on all 86 analytes	U	ND			ug/Kg
SSD1D5023	ECC032105D103 (post)	3/23/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		340	8.07	120	ug/Kg
SSD1D5023	ECC032105D103 (post)	3/23/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE		140	11.3	120	ug/Kg
SSD1D5023	ECC032105D103-02	4/19/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)		290	8.07	120	ug/Kg
SSD1D5023	ECC032105D103-02	4/19/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE		280	11.3	120	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

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APPENDIX C-1

Demolition Area 1 Source Area COWR

Results of Samples Collected Beneath Munitions Items with Exposed HE

Location	Sample ID	Date	Test	Analyte	Qual	Result	DL	RL	Units
SSD1D5023	ECC032105D103-03	6/10/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE		130	17	120	ug/Kg
SSD1D5029	ECC053105D101	6/10/2005	SW8330	Non-Detect on all 19 analytes	U	ND			ug/Kg

*DL = Detection Limit**RL = Reporting Limit**J = Estimated**ND = Non Detect**U = Undetected*

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APPENDIX C-2

Demolition Area 1 Source Area COWR

Quad Post Soil Excavation Confirmation Sample Results

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1003	E3-SE01	1/30/2004	E314.0	PERCHLORATE	2	J	1.6	5	ug/Kg
SSD1003	E3-SE01	1/30/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1004	E4-SW01	12/3/2003	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.2	ug/Kg
SSD1004	E4-SW01	12/3/2003	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1005	E4-SE01	11/26/2003	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.2	ug/Kg
SSD1005	E3-SE01	11/26/2003	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1006	E5-SW01 (6)	2/10/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	5.1	ug/Kg
SSD1006	E5-SW01 (6)	2/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1007	E5-SE01 (7)	2/10/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1007	E5-SE01 (7)	2/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1008	E6-SE01 (8)	2/12/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1009	E6-SE01 (8)	2/12/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1009	E6-SE01 (9)	2/27/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1010	E7-SW01 (10)	2/12/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.8	ug/Kg
SSD1010	E7-SW01 (10)	2/12/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1011	E7-SE01 (11)	2/12/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.4	ug/Kg
SSD1011	E7-SE01 (11)	2/12/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1013	D3-NE01	1/29/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.7	ug/Kg
SSD1013	D3-NE01	1/29/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1014	D4-NW01	1/29/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.9	ug/Kg
SSD1014	D4-NW01	1/29/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1015	D4-NE01	2/9/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	5	ug/Kg
SSD1015	D4-NE01	2/9/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1016	D5-NW01	2/4/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.7	ug/Kg
SSD1016	D5-NW01	2/4/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1017	D5-NE01	2/9/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1017	D5-NE01	2/9/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1018	D6-NW01 (18)	2/10/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.5	ug/Kg
SSD1018	D6-NW01 (18)	2/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1019	D6-NE01A (19A)	2/26/2004	SW6010B	LEAD (TOTAL)	463		0.17	0.17	mg/Kg
SSD1019	D6-NE01B (19B)	2/26/2004	SW6010B	LEAD (TOTAL)	48.7		0.16	0.16	mg/Kg
SSD1019	E6-SE01 (9)	2/27/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.7	ug/Kg
SSD1019	D6-NE01 (19)	2/27/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1020	D7-NW01 (20)	2/11/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.8	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/kg = milligram/kilogram

PG/G = picogram/gram

ug/kg = microgram/kilogram

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APPENDIX C-2

Demolition Area 1 Source Area COWR

Quad Post Soil Excavation Confirmation Sample Results

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1020	D7-NW01 (20)	2/11/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1021	D7-NE01	2/9/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.8	ug/Kg
SSD1021	D7-NE01	2/9/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1022	D8-NW01	2/9/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	5	ug/Kg
SSD1022	D8-NW01	2/9/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1023	D8-NE01 (23)	2/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.7	ug/Kg
SSD1023	D8-NE01 (23)	2/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1024	Q24/25-01	11/10/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
SSD1024	Q24/25-01	11/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1026	D3-SE01	2/4/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	5.1	ug/Kg
SSD1026	D3-SE01	2/4/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1027	D4-SW01	2/4/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1027	D4-SW01	2/4/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1028	D4-SE01 (28)	6/1/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.88	3.4	ug/Kg
SSD1028	D4-SE01 (28)	6/1/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1028	D4-SE01FD (28)	6/1/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.88	3.4	ug/Kg
SSD1028	D4-SE01FD (28)	6/1/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1029	D5-SW01 (29)	6/9/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	350		8.07	120	ug/Kg
SSD1029	D5-SW01 (29)	6/9/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	340		11.3	120	ug/Kg
SSD1029	Q29-02	7/20/2004	M8321A	PERCHLORATE	1.1	J	0.35	2.2	ug/Kg
SSD1029	Q29-02	7/20/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	3800		8.07	120	ug/Kg
SSD1029	Q29-03	9/24/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.2	ug/Kg
SSD1029	Q29-03	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1030	D5-SE01 (30)	6/9/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.82	3.2	ug/Kg
SSD1030	D5-SE01 (30)	6/9/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1031	D6-SW01 (31)	6/10/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.8	3.1	ug/Kg
SSD1031	D6-SW01 (31)	6/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1032	Q32-01	9/24/2004	M8321A	PERCHLORATE	1	J	0.34	2.1	ug/Kg
SSD1032	Q32-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1033	D7-SW01 (33)	2/17/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.8	ug/Kg
SSD1033	D7-SW01 (33)	2/17/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1034	D7-SE01 (34)	2/20/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1034	D7-SE01 (34)	2/20/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		8.07	120	ug/Kg
SSD1034	D7-SE02 (34)	3/2/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.4	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/kg = milligram/kilogram

PG/G = picogram/gram

ug/kg = microgram/kilogram

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APPENDIX C-2
Quad Post Soil Excavation Confirmation Sample Results

Demolition Area 1 Source Area COWR

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1034	D7-SE02 (34)	3/2/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1034	D7-SE02 (34)-FD	3/2/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.4	ug/Kg
SSD1034	D7-SE02 (34)-FD	3/2/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1035	D8-SW01 (35)	2/13/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1035	D8-SW01 (35)	2/13/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1035	D8-SW01-FD (35)	2/13/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1035	D8-SW01-FD (35)	2/13/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1036	D8-SE01(36)	2/25/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1036	D8-SE01(36)	2/25/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1036	Q36-02	11/10/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2.1	ug/Kg
SSD1036	Q36-02	11/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1037	Q37-01	11/10/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2.1	ug/Kg
SSD1037	Q37-01	11/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1038	Q38-01	11/10/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2.1	ug/Kg
SSD1038	Q38-01	11/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1039	C3-NE01	2/9/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.7	5.3	ug/Kg
SSD1039	C3-NE01	2/9/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1039	C3-NE01-FD	2/9/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.7	5.3	ug/Kg
SSD1039	C3-NE01-FD	2/9/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1039	C3-NE02 (39)	3/1/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	5	ug/Kg
SSD1039	C3-NE02 (39)	3/1/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1040	C4-NW01 (40)	3/1/2004	E314.0	PERCHLORATE	4.8		1.5	4.6	ug/Kg
SSD1040	C4-NW01 (40)	3/1/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	130		8.07	120	ug/Kg
SSD1040	C4-NW02 (40)	3/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	5	ug/Kg
SSD1040	C4-NW02 (40)	3/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1041	Q41-01	9/24/2004	M8321A	PERCHLORATE	1.4	J	0.35	2.2	ug/Kg
SSD1041	Q41-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1042	Q42-01	9/24/2004	M8321A	PERCHLORATE	0.52	J	0.34	2.1	ug/Kg
SSD1042	Q42-01	9/24/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	120	J	11.3	120	ug/Kg
SSD1043	Q43-01	9/24/2004	M8321A	PERCHLORATE	1.2	J	0.36	2.2	ug/Kg
SSD1043	Q43-01	9/24/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		8.07	120	ug/Kg
SSD1043	Q43-01	9/24/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	730		11.3	120	ug/Kg
SSD1043	Q43-02	10/25/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2.1	ug/Kg
SSD1043	Q43-02	10/25/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

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APPENDIX C-2
Quad Post Soil Excavation Confirmation Sample Results

Demolition Area 1 Source Area COWR

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1043	Q43-02 FD	10/25/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
SSD1043	Q43-02 FD	10/25/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	760		11.3	120	ug/Kg
SSD1044	Q44-01	9/24/2004	M8321A	PERCHLORATE	1.6	J	0.33	2.1	ug/Kg
SSD1044	Q44-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1044	Q44-01FD	9/24/2004	M8321A	PERCHLORATE	2	J	0.33	2.1	ug/Kg
SSD1044	Q44-01FD	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1045	Q45-01	9/24/2004	M8321A	PERCHLORATE	1.5	J	0.33	2.1	ug/Kg
SSD1045	Q45-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1046	Q46-01	9/24/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
SSD1046	Q46-01	9/24/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	280		8.07	120	ug/Kg
SSD1046	Q46-01	9/24/2004	SW8330	NITROGLYCERIN	2600		860	2500	ug/Kg
SSD1046	Q46-01	9/24/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	120		11.3	120	ug/Kg
SSD1046	Q46-02	10/25/2004	M8321A	PERCHLORATE	0.82	J	0.37	2.3	ug/Kg
SSD1046	Q46-02	10/25/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		8.07	120	ug/Kg
SSD1046	Q46-03	12/17/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
SSD1046	Q46-03	12/17/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	210		8.07	120	ug/Kg
SSD1046	Q46-03	12/17/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	110	J	11.3	120	ug/Kg
SSD1046	Q46-03 FD	12/17/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
SSD1046	Q46-03 FD	12/17/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	820		8.07	120	ug/Kg
SSD1046	Q46-03 FD	12/17/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	190		11.3	120	ug/Kg
SSD1046	Q46-04	12/29/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
SSD1046	Q46-04	12/29/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1046	Q74-01	1/11/2005	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
SSD1046	Q74-01	1/11/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1047	C7-NE01 (47)	2/20/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1047	C7-NE01 (47)	2/20/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1047	C7-NE02 (47)	3/3/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1047	C7-NE02 (47)	3/3/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1048	C8-NW01 (48)	2/20/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.8	ug/Kg
SSD1048	C8-NW01 (48)	2/20/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1049	C8-NE01 (49)	2/26/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.7	5.1	ug/Kg
SSD1049	C8-NE01 (49)	2/26/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1049	C8-NE01 (49)-FD	2/26/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.9	ug/Kg
SSD1049	C8-NE01 (49)-FD	2/26/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

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APPENDIX C-2

Demolition Area 1 Source Area COWR

Quad Post Soil Excavation Confirmation Sample Results

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1049	Q49-02	11/10/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.32	2	ug/Kg
SSD1049	Q49-02	11/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1050	Q50-01	11/10/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
SSD1050	Q50-01	11/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1050	Q50-01 FD	11/10/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
SSD1050	Q50-01 FD	11/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1051	Q51/64-01	11/10/2004	M8321A	PERCHLORATE	0.54	J	0.36	2.3	ug/Kg
SSD1051	Q51/64-01	11/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1052	C3-SE01	2/9/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.8	5.5	ug/Kg
SSD1052	C3-SE01	2/9/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1053	C4-SW01 (53)	2/10/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.7	5.3	ug/Kg
SSD1053	C4-SW01 (53)	2/10/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1054	C4-SE01 (54)	6/1/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.92	3.6	ug/Kg
SSD1054	C4-SE01 (54)	6/1/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	330		11.3	120	ug/Kg
SSD1054	Q54	6/18/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.89	3.5	ug/Kg
SSD1054	Q54	6/18/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1055	Q55-01	9/24/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2.1	ug/Kg
SSD1055	Q55-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1056	Q56-01	9/24/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2.1	ug/Kg
SSD1056	Q56-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1057	Q57-01	9/24/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2.1	ug/Kg
SSD1057	Q57-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1058	Q58-01	9/24/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
SSD1058	Q58-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1059	Q59-01	12/17/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2.1	ug/Kg
SSD1059	Q59-01	12/17/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1060	Q60-01	12/22/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
SSD1060	Q60-01	12/22/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	300		8.07	120	ug/Kg
SSD1060	Q60-02	2/15/2005	SW8321A	Non-Detect on PERCHLORATE	ND	U	0.39	2.4	ug/Kg
SSD1060	Q60-02	2/15/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	420		8.07	120	ug/Kg
SSD1060	Q60-02	2/15/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	120		11.3	120	ug/Kg
SSD1060	Q60-03	2/15/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	250		8.07	120	ug/Kg
SSD1060	Q60-03	2/15/2005	SW8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
SSD1060	Q60-04	2/24/2005	SW8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg

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J = Estimated

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ug/kg = microgram/kilogram

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APPENDIX C-2

Demolition Area 1 Source Area COWR

Quad Post Soil Excavation Confirmation Sample Results

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1060	Q60-04	2/24/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1061	Q61-01	12/22/2004	M8321A	PERCHLORATE	1.2	J	0.37	2.3	ug/Kg
SSD1061	Q61-01	12/22/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	120		8.07	120	ug/Kg
SSD1062	Q62-01	12/22/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.39	2.4	ug/Kg
SSD1062	Q62-01	12/22/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1200		8.07	120	ug/Kg
SSD1062	Q62-02	2/15/2005	SW8321A	PERCHLORATE	1.3	J	0.42	2.7	ug/Kg
SSD1062	Q62-02	2/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1062	Q62-02FD	2/15/2005	SW8321A	PERCHLORATE	0.93	J	0.4	2.5	ug/Kg
SSD1062	Q62-02FD	2/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1062	Q62-03	2/15/2005	SW8321A	PERCHLORATE	1.9	J	0.41	2.6	ug/Kg
SSD1062	Q62-03	2/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1063	Q63-01	12/22/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.41	2.6	ug/Kg
SSD1063	Q63-01	12/22/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1065	B3-NE01 (65)	2/11/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.7	5.3	ug/Kg
SSD1065	B3-NE01 (65)	2/11/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1066	B4-NW01 (66)	2/11/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.8	ug/Kg
SSD1066	B4-NW01 (66)	2/11/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1066	B4NW02 (66)	3/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.5	ug/Kg
SSD1066	B4NW02 (66)	3/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1067	B4-NE01 (67)	2/11/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1067	B4-NE01 (67)	2/11/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	140		8.07	120	ug/Kg
SSD1067	B4-NE02 (67)	3/2/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.8	ug/Kg
SSD1067	B4-NE02 (67)	3/2/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	580		8.07	120	ug/Kg
SSD1067	B4-NE02 (67)	3/2/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	130		11.3	120	ug/Kg
SSD1067	B4-NE03 (67)	3/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.7	ug/Kg
SSD1067	B4-NE03 (67)	3/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1068	Q68	6/18/2004	M8321A	PERCHLORATE	7.2		0.89	3.5	ug/Kg
SSD1068	Q68	6/18/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1068	Q68-02	7/20/2004	M8321A	PERCHLORATE	25		0.37	2.3	ug/Kg
SSD1068	Q68-02	7/20/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	320		8.07	120	ug/Kg
SSD1068	Q68-02	7/20/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	140		11.3	120	ug/Kg
SSD1068	Q68-03	9/24/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
SSD1068	Q68-03	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1068	Q68-03 FD	9/24/2004	M8321A	PERCHLORATE	0.76	J	0.36	2.2	ug/Kg

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APPENDIX C-2

Demolition Area 1 Source Area COWR

Quad Post Soil Excavation Confirmation Sample Results

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1068	Q68-03 FD	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1069	Q69	6/18/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.82	3.2	ug/Kg
SSD1069	Q69	6/18/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1070	Q70	6/18/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.78	3.1	ug/Kg
SSD1070	Q70	6/18/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1070	Q70FD	6/18/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.79	3.1	ug/Kg
SSD1070	Q70FD	6/18/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1070	Q70-02	6/14/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	420		31	120	ug/Kg
SSD1070	Q70-03	6/22/2005	E331.0	Non-Detect on PERCHLORATE	ND	U	0.0975	0.81	ug/Kg
SSD1070	Q70-04	6/22/2005	E331.0	Non-Detect on PERCHLORATE	ND	U	0.0965	0.82	ug/Kg
SSD1070	Q70-03	6/22/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1070	Q70-04	6/22/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1071	Q71-01	9/24/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
SSD1071	Q71-01	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1072	Q72-01	12/17/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
SSD1072	Q72-01	12/17/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1073	Q73-01	12/22/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
SSD1073	Q73-01	12/22/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	430		8.07	120	ug/Kg
SSD1073	Q73-01	12/22/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	300		11.3	120	ug/Kg
SSD1073	Q73-02	2/15/2005	SW8321A	Non-Detect on PERCHLORATE	ND	U	0.4	2.5	ug/Kg
SSD1073	Q73-02	2/15/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	260		11.3	120	ug/Kg
SSD1073	Q73-02	2/15/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	250		8.07	120	ug/Kg
SSD1073	Q73-03	2/15/2005	SW8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
SSD1073	Q73-03	2/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1075	Q75/76-01	1/11/2005	M8321A	Non-Detect on PERCHLORATE	ND	U	0.39	2.4	ug/Kg
SSD1075	Q75/76-01	1/11/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1075	Q75/76-01FD	1/11/2005	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
SSD1075	Q75/76-01FD	1/11/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1077	B3-SE01 (77)	2/11/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.8	ug/Kg
SSD1077	B3-SE01 (77)	2/11/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1078	B4-SW01 (78)	2/11/2004	E314.0	PERCHLORATE	2.5	J	1.7	5.3	ug/Kg
SSD1078	B4-SW01 (78)	2/11/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1078	B4-SW01FD (78)	2/11/2004	E314.0	PERCHLORATE	2.6	J	1.7	5.3	ug/Kg
SSD1078	B4-SW01FD (78)	2/11/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/kg = milligram/kilogram

PG/G = picogram/gram

ug/kg = microgram/kilogram

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APPENDIX C-2
Quad Post Soil Excavation Confirmation Sample Results

Demolition Area 1 Source Area COWR

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1079	B4-SE01 (79)	2/12/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.8	ug/Kg
SSD1079	B4-SE01 (79)	2/12/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1079	B4-SE02 (79)	3/3/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.7	5.2	ug/Kg
SSD1079	B4-SE02 (79)	3/3/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1080	B5-SW01 (80)	2/13/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1080	B5-SW01 (80)	2/13/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	400		8.07	120	ug/Kg
SSD1080	B5-SW01 (80)	2/13/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	160		11.3	120	ug/Kg
SSD1080	B5-SW01 (80)	3/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1080	B5-SW01 (80)	3/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1081	B5-SE01(81)	2/25/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.4	ug/Kg
SSD1081	B5-SE01(81)	2/25/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1081	Q81	6/18/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	180		8.07	120	ug/Kg
SSD1081	Q81-02	7/20/2004	M8321A	PERCHLORATE	0.97	J	0.38	2.4	ug/Kg
SSD1081	Q81-02	7/20/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1100		8.07	120	ug/Kg
SSD1081	Q81-02	7/20/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	180		11.3	120	ug/Kg
SSD1081	Q81-03	9/24/2004	M8321A	PERCHLORATE	0.49	J	0.38	2.4	ug/Kg
SSD1081	Q81-03	9/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1082	B6-SW01(82)	2/25/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.9	ug/Kg
SSD1082	B6-SW01(82)	2/25/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1082	Q82	6/18/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.88	3.4	ug/Kg
SSD1082	Q82	6/18/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1083	A6-SE01 (83)	2/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.5	ug/Kg
SSD1083	A6-SE01 (83)	2/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1083	A6-SE01 (83)FD	2/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.7	ug/Kg
SSD1083	A6-SE01-FD (83)	2/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1083	Q83	6/18/2004	M8321A	PERCHLORATE	1.2	J	0.87	3.4	ug/Kg
SSD1083	Q83	6/18/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1084	B7-SW01(84)	2/24/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	5	ug/Kg
SSD1084	B7-SW01(84)	2/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1085	Q85-01	10/28/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
SSD1085	Q85-01	10/28/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1086	Q86-01	1/11/2005	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.3	ug/Kg
SSD1086	Q86-01	1/11/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1087	Q87/88-01	1/11/2005	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg

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mg/kg = milligram/kilogram
 PG/G = picogram/gram
 ug/kg = microgram/kilogram

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APPENDIX C-2
Quad Post Soil Excavation Confirmation Sample Results

Demolition Area 1 Source Area COWR

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1087	Q87/88-01	1/11/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1088	A3-NE01 (88)	2/12/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.9	ug/Kg
SSD1088	A3-NE01 (88)	2/12/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1089	A4-NW01 (89)	2/12/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.5	ug/Kg
SSD1089	A4-NW01 (89)	2/12/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1090	A4-NE01 (90)	2/12/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.5	ug/Kg
SSD1090	A4-NE01 (90)	2/12/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1091	A5-NW01 (91)	2/17/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.3	ug/Kg
SSD1091	A5-NW01 (91)	2/17/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	570	J	8.07	120	ug/Kg
SSD1091	A5-NW01-FD (91)	2/17/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.2	ug/Kg
SSD1091	A5-NW01-FD (91)	2/17/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	2500	J	8.07	120	ug/Kg
SSD1091	A5-NW02 (91)	3/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.4	ug/Kg
SSD1091	A5-NW02 (91)	3/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1092	A5-NE01(92)	2/25/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.7	ug/Kg
SSD1092	A5-NE01(92)	2/25/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1093	A6-NW01 (93)	2/23/2004	E314.0	PERCHLORATE	25		1.7	5.3	ug/Kg
SSD1093	A6-NW01 (93)	2/23/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	500		8.07	120	ug/Kg
SSD1093	A5-NW02 (93)	3/1/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg
SSD1093	A5-NW02 (93)	3/1/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	130		8.07	120	ug/Kg
SSD1093	A5-NW03 (93)	3/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.2	ug/Kg
SSD1093	A5-NW03 (93)	3/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1094	A6-NE01 (94)	2/23/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.7	5.3	ug/Kg
SSD1094	A6-NE01 (94)	2/23/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1095	A7-NW01(95)	2/24/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.9	ug/Kg
SSD1095	A7-NW01(95)	2/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1096	Q96-01	10/28/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
SSD1096	Q96-01	10/28/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1097	Q97-01	10/28/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
SSD1097	Q97-01	10/28/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1100	A5-SE01(100)	2/25/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.9	ug/Kg
SSD1100	A5-SE01(100)	2/25/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1101	A6-SW01 (101)	2/24/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.8	ug/Kg

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mg/kg = milligram/kilogram
 PG/G = picogram/gram
 ug/kg = microgram/kilogram

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APPENDIX C-2

Demolition Area 1 Source Area COWR

Quad Post Soil Excavation Confirmation Sample Results

Location	Sample ID	Date	Test	Analyte	Result	Qual	DL	RL	Units
SSD1101	A6-SW01 (101)	2/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1101	A5-SW02 (101)	3/2/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.5	ug/Kg
SSD1101	A5-SW02 (101)	3/2/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1102	A6-SE01 (102)	2/24/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.4	4.3	ug/Kg
SSD1102	A6-SE01 (102)	2/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1103	A7-SW01 (103)	2/24/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.9	ug/Kg
SSD1103	A7-SW01 (103)	2/24/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
SSD1104	Q104-01	10/28/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.33	2	ug/Kg
SSD1104	Q104-01	10/28/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

Notes:

Shaded Cells indicate samples from locations that were excavated.

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

mg/kg = milligram/kilogram
 PG/G = picogram/gram
 ug/kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	110		0.45	0.45	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	12		0.21	0.21	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.1		0.14	0.14	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.4	J	0.28	0.28	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.48	J	0.18	0.18	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	310		0.45	0.45	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	63		0.23	0.23	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	25		0.27	0.27	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	4.3		0.16	0.16	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	1500		0.34	0.34	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	OCTACHLORODIBENZOFURAN	100		0.31	0.31	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	6.3	J	0.16	0.16	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	3.8		0.36	0.36	PG/G
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.6	0.6	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	130		8.07	120	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	22000		33.9	360	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	M8321A	PERCHLORATE	3.2	J	0.97	3.8	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	ALUMINUM (TOTAL)	9140		2.8	13.6986	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	ANTIMONY (TOTAL)	1.7	J	0.29	4.1096	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	ARSENIC (TOTAL)	3.3		0.26	0.6849	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	BARIUM (TOTAL)	88.1		0.43	13.6986	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.4		0.026	0.3425	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	BORON (TOTAL)	7.7		0.26	6.8493	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	CADMIUM (TOTAL)	3.2		0.052	0.3425	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	CALCIUM (TOTAL)	669		11.9	342.4658	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	CHROMIUM (TOTAL)	11		0.095	0.6849	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	COBALT (TOTAL)	2.9	J	0.15	3.4247	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	COPPER (TOTAL)	60		0.23	1.7123	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	IRON (TOTAL)	11900		4.1	6.8493	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	LEAD (TOTAL)	48		0.13	0.2055	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	MAGNESIUM (TOTAL)	1100		12.2	342.4658	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	MANGANESE (TOTAL)	437		0.043	1.0274	mg/Kg

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J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW7470A	MERCURY (TOTAL)	1.5		0.017	0.041	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	MOLYBDENUM (TOTAL)	0.73		0.12	0.6849	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	NICKEL (TOTAL)	6.7		0.14	2.7397	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	POTASSIUM (TOTAL)	550		17	342.4658	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	SILVER (TOTAL)	1.8		0.18	0.6849	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	VANADIUM (TOTAL)	16.7		0.14	3.4247	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW6010B	ZINC (TOTAL)	121		0.16	1.3699	mg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	1,3-DIETHYL-1,3-DIPHENYL UREA	49	J	29.2	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	2,4-DINITROTOLUENE	58	J	62.4	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	ANTHRACENE	37	J	27.5	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	BENZO(A)ANTHRACENE	130	J	30.8	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	BENZO(A)PYRENE	80	J	34.4	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	BENZO(B)FLUORANTHENE	130	J	55.2	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	BENZO(G,H,I)PERYLENE	58	J	47.1	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	BENZO(K)FLUORANTHENE	130	J	38.2	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	CHRYSENE	250	J	26	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	1300		25.3	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	FLUORANTHENE	340	J	72.3	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	HEXACHLOROBENZENE	35	J	25.8	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	240	J	27.1	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	NAPHTHALENE	4800		54.2	760	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	PHENANTHRENE	42	J	26.3	420	µg/Kg
ECCBPD1042	6/17/2004	Q42-BP-001 (pre)	SW8270C	PYRENE	280	J	75.2	420	µg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	700		0.23	0.23	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	23		0.15	0.15	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	12		0.23	0.23	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5	J	0.11	0.11	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	50		0.23	0.23	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.5	J	0.12	0.12	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	44		0.21	0.21	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	12		0.19	0.19	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	1.8	J	0.16	0.16	PG/G

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	2,3,4,7,8-PENTACHLORODIBENZOFURAN	2	J	0.12	0.12	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1300		0.23	0.23	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	81		0.18	0.18	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	410		0.22	0.22	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	55		0.13	0.13	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	4400		0.35	0.35	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	OCTACHLORODIBENZOFURAN	31		0.17	0.17	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	110		0.19	0.19	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	26	J	0.14	0.14	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	22		0.48	0.48	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	10		0.33	0.33	PG/G
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.59	0.59	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	E314.0	Non-Detect on PERCHLORATE	ND	U	1.6	4.9	µg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8330	NITROGLYCERIN	7200		860	2500	µg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	ALUMINUM (TOTAL)	10700		3.8	23.4236	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	ANTIMONY (TOTAL)	7.8		0.4	7.0271	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	ARSENIC (TOTAL)	4.9		0.35	1.1712	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	BARIUM (TOTAL)	206		0.59	23.4236	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.035	0.5856	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	BORON (TOTAL)	5.9	J	0.35	11.7118	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	CADMIUM (TOTAL)	4.7	J	0.07	0.5856	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	CALCIUM (TOTAL)	422	J	16	585.5898	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	CHROMIUM (TOTAL)	13.6		0.13	1.1712	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	COBALT (TOTAL)	4	J	0.2	5.8559	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	COPPER (TOTAL)	190		0.3	2.9279	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	IRON (TOTAL)	15200		5.6	11.7118	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	LEAD (TOTAL)	342		0.18	0.3514	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	MAGNESIUM (TOTAL)	1520		16.5	585.5898	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	MANGANESE (TOTAL)	359		0.059	1.7568	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW7471A	MERCURY (TOTAL)	0.2		0.017	0.0395	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	MOLYBDENUM (TOTAL)	1.7		0.16	1.1712	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	NICKEL (TOTAL)	10.9		0.19	4.6847	mg/Kg

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mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	POTASSIUM (TOTAL)	694		23	585.5898	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	SELENIUM (TOTAL)	7.2		0.37	0.5856	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	SILVER (TOTAL)	0.52	J	0.25	1.1712	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	VANADIUM (TOTAL)	19.8		0.19	5.8559	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW6010B	ZINC (TOTAL)	353		0.21	2.3424	mg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8270C	DI-N-BUTYL PHTHALATE	3000		30.8	400	µg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8270C	N-NITROSODIPHENYLAMINE	690		33	400	µg/Kg
ECCBPD1042	7/7/2004	Q42-BP-001(pre)	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	24	J	7.4	39	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	260		1	1	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	56		0.66	0.66	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	7		0.89	0.89	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.8	J	0.54	0.54	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.7	J	0.37	0.37	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	16		0.56	0.56	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	10		0.52	0.52	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.6	J	0.37	0.37	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.49	J	0.29	0.29	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.52	J	0.41	0.41	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.84	J	0.5	0.5	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.46	J	0.1	0.1	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	450		1	1	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	310		0.76	0.76	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	79	J	0.54	0.54	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	54	J	0.41	0.41	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	2200		1.7	1.7	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	OCTACHLORODIBENZOFURAN	430		1.3	1.3	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	13	J	0.37	0.37	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	6.1	J	0.27	0.27	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	8.3	J	0.5	0.5	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	8.2	J	0.49	0.49	PG/G
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.55	0.55	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg

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mg/Kg = milligram/kilogram
 PG/G = picogram/gram
 ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
SSD1042	8/4/2004	Q42-BP-003 (pre)	M8321A	PERCHLORATE	0.68	J	0.4	2.5	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	ALUMINUM (TOTAL)	15400		3.6	17.5439	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	ANTIMONY (TOTAL)	25.1		0.37	5.2632	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	ARSENIC (TOTAL)	6.3		0.33	0.8772	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	BARIUM (TOTAL)	494		0.55	17.5439	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.51		0.033	0.4386	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	BORON (TOTAL)	10.7		0.33	8.7719	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	CADMIUM (TOTAL)	1		0.066	0.4386	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	CALCIUM (TOTAL)	512		15	438.5965	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	CHROMIUM (TOTAL)	18.1		0.12	0.8772	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	COBALT (TOTAL)	4.3	J	0.19	4.386	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	COPPER (TOTAL)	118		0.28	2.193	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	IRON (TOTAL)	27000		5.2	8.7719	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	LEAD (TOTAL)	210		0.16	0.2632	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	MAGNESIUM (TOTAL)	1460		15.4	438.5965	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	MANGANESE (TOTAL)	618		0.055	1.3158	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW7471A	MERCURY (TOTAL)	0.39		0.018	0.0441	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	MOLYBDENUM (TOTAL)	1.4		0.15	0.8772	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	NICKEL (TOTAL)	15.1		0.18	3.5088	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	POTASSIUM (TOTAL)	632		21.5	438.5965	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	SELENIUM (TOTAL)	0.49	J	0.35	0.4386	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	SILVER (TOTAL)	0.46	J	0.23	0.8772	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	VANADIUM (TOTAL)	20.6		0.18	4.386	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW6010B	ZINC (TOTAL)	180		0.2	1.7544	mg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	1,2,4-TRIMETHYLBENZENE	140				µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	1,3-DIETHYL-1,3-DIPHENYL UREA	140	J	29.2	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	2-METHYLNAPHTHALENE	40	J	28.9	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	BENZO(A)ANTHRACENE	34	J	30.8	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	230	J	92	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	CHRYSENE	50	J	26	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	3000		25.3	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	FLUORANTHENE	130	J	72.3	410	µg/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	HEXACHLOROBENZENE	320000		3225	41000	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	80	J	27.1	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	NAPHTHALENE	62	J	29.8	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	PHENANTHRENE	31	J	26.3	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	PHENOL	80	J	39	410	µg/Kg
SSD1042	8/4/2004	Q42-BP-003 (pre)	SW8270C	PYRENE	100	J	75.2	410	µg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	180		0.39	0.39	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	9.9		0.27	0.27	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.7	J	0.23	0.23	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.7	J	0.13	0.13	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.4	J	0.24	0.24	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.7	J	0.22	0.22	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.59	J	0.3	0.3	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	370		0.39	0.39	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	46		0.33	0.33	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	48		0.23	0.23	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	18	J	0.15	0.15	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	1600		0.6	0.6	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	OCTACHLORODIBENZOFURAN	29		0.5	0.5	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	6.9		0.2	0.2	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	2.3	J	0.13	0.13	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.2		0.36	0.36	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.1	J	0.3	0.3	PG/G
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.47	0.47	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	µg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	ALUMINUM (TOTAL)	8430		2.9	17.8822	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	ANTIMONY (TOTAL)	1.8	J	0.3	5.3647	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	ARSENIC (TOTAL)	4.5		0.27	0.8941	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	BARIUM (TOTAL)	76.1		0.45	17.8822	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.39	J	0.027	0.4471	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	BORON (TOTAL)	4.9	J	0.27	8.9411	mg/Kg

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mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	CADMIUM (TOTAL)	0.56		0.054	0.4471	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	CALCIUM (TOTAL)	468		12.2	447.0552	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	CHROMIUM (TOTAL)	11.5		0.098	0.8941	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	COBALT (TOTAL)	3.3	J	0.15	4.4706	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	COPPER (TOTAL)	36		0.23	2.2353	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	IRON (TOTAL)	11500		4.3	8.9411	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	LEAD (TOTAL)	36.4		0.13	0.2682	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	MAGNESIUM (TOTAL)	1470		12.6	447.0552	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	MANGANESE (TOTAL)	257		0.045	1.3412	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW7471A	MERCURY (TOTAL)	0.46		0.017	0.0407	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	MOLYBDENUM (TOTAL)	0.73	J	0.13	0.8941	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	NICKEL (TOTAL)	6.5		0.14	3.5764	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	POTASSIUM (TOTAL)	661		17.6	447.0552	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	SELENIUM (TOTAL)	0.35	J	0.29	0.4471	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	VANADIUM (TOTAL)	16.9		0.14	4.4706	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW6010B	ZINC (TOTAL)	69.8		0.16	1.7882	mg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	350	J	29.2	380	µg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	79	J	31.3	380	µg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8270C	TETRACHLORONAPHTHALENE, (TOTAL)	40		13	38	µg/Kg
SSD1042	8/23/2004	Q42-BP-004 (pre)	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	53		7.2	38	µg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.61	0.61	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	ALUMINUM (TOTAL)	10800		2.3	19.4761	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	ANTIMONY (TOTAL)	7.9		0.38	5.8428	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	ARSENIC (TOTAL)	4.5		0.41	0.9738	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	BARIUM (TOTAL)	54.1		0.34	19.4761	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.039	0.4869	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	BORON (TOTAL)	3.3	J	0.16	9.738	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	CALCIUM (TOTAL)	645		8.5	486.9023	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	CHROMIUM (TOTAL)	14.1		0.11	0.9738	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	COBALT (TOTAL)	4.1	J	0.11	4.869	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	COPPER (TOTAL)	45.7		0.37	2.4345	mg/Kg

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mg/Kg = milligram/kilogram

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ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	IRON (TOTAL)	15200		5.1	9.738	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	LEAD (TOTAL)	539		0.22	0.2921	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	MAGNESIUM (TOTAL)	1820		8	486.9023	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	MANGANESE (TOTAL)	241		0.22	1.4607	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW7471A	MERCURY (TOTAL)	0.24		0.019	0.0446	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	MOLYBDENUM (TOTAL)	0.89	J	0.16	0.9738	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	NICKEL (TOTAL)	8.7		0.22	3.8952	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	POTASSIUM (TOTAL)	767		11.1	486.9023	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	VANADIUM (TOTAL)	19.5		0.14	4.869	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW6010B	ZINC (TOTAL)	63.2		0.25	1.9476	mg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW8270C	DI-N-BUTYL PHTHALATE	130	J	31	410	µg/Kg
SSD1042	2/18/2005	Q42-BP-0045(pre)	SW8270C	NAPHTHALENE	160	J	36.6	410	µg/Kg
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	68		0.095	0.095	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.85		0.063	0.063	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.79	J	0.039	0.039	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.1	J	0.1	0.1	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.5	J	0.099	0.099	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.34	J	0.09	0.09	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	130		0.095	0.095	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	8.8		0.06	0.06	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	36		0.1	0.1	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	4.9	J	0.043	0.043	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	560		0.074	0.074	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	OCTACHLORODIBENZOFURAN	28		0.082	0.082	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	4.1		0.083	0.083	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.36	J	0.044	0.044	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.1	J	0.095	0.095	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.51	J	0.09	0.09	PG/G
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8321A	Non-Detect on PERCHLORATE	ND	U	0.4	2.5	µg/Kg
SSD1042	2/18/2005	Q42-BP-005 (pre)	SW8270C	Non-Detect on all 8 analytes	ND	U			µg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	58		0.089	0.089	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.6		0.074	0.074	PG/G

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PG/G = picogram/gram

ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	1.1	J	0.084	0.084	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.7	J	0.076	0.076	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.2	J	0.053	0.053	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.1	J	0.074	0.074	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.68	J	0.053	0.053	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2	J	0.075	0.075	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.2	J	0.074	0.074	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.53	J	0.065	0.065	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.73	J	0.054	0.054	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.41	J	0.054	0.054	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.73	J	0.062	0.062	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.73	J	0.17	0.17	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	120		0.089	0.089	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	32		0.078	0.078	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	15	J	0.075	0.075	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	12	J	0.057	0.057	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	1100		0.15	0.15	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	OCTACHLORODIBENZOFURAN	40		0.1	0.1	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.9	J	0.065	0.065	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	5.6	J	0.057	0.057	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.3		0.078	0.078	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.1	J	0.17	0.17	PG/G
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.55	0.55	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW1010	IGNITABILITY	0		0.01	70	DEG F
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW9045	PH	6.6		0.01	0.01	PH UNITS
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW9034	Non-Detect on SULFIDE	ND	U	5.32	8.9	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	1200		8.07	120	µg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	510		11.3	120	µg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8321A	PERCHLORATE	1	J	0.36	2.2	µg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	ALUMINUM (TOTAL)	5670		2.3	19.646	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	ANTIMONY (TOTAL)	1.8	J	0.38	5.8938	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	ARSENIC (TOTAL)	3.7		0.41	0.9823	mg/Kg

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 ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	BARIUM (TOTAL)	144		0.34	19.646	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.039	0.4911	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	BORON (TOTAL)	2.3	J	0.16	9.823	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	CADMIUM (TOTAL)	0.31	J	0.059	0.4911	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	CALCIUM (TOTAL)	281	J	8.5	491.1495	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	CHROMIUM (TOTAL)	7.7	J	0.11	0.9823	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	COBALT (TOTAL)	2.9	J	0.11	4.9115	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	COPPER (TOTAL)	49.6		0.37	2.4557	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	IRON (TOTAL)	8100		5.2	9.823	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	LEAD (TOTAL)	16.2		0.23	0.2947	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	MAGNESIUM (TOTAL)	1180		8	491.1495	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	MANGANESE (TOTAL)	117		0.23	1.4734	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW7471A	MERCURY (TOTAL)	0.12		0.017	0.0395	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	NICKEL (TOTAL)	5.2		0.23	3.9292	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	POTASSIUM (TOTAL)	453	J	11.2	491.1495	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	SILVER (TOTAL)	17.5		0.14	0.9823	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	VANADIUM (TOTAL)	13.2		0.14	4.9115	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW6010B	ZINC (TOTAL)	126		0.26	1.9646	mg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8082	Non-Detect on all 7 analytes	ND	U			µg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	260	J	103	370	µg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	920		28.3	370	µg/Kg
SSD1043	3/23/2005	Q43-BP-001 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	170	J	30.3	370	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	580		0.27	0.27	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	64		0.17	0.17	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	6.2		0.19	0.19	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.4	J	0.16	0.16	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	6.9		0.099	0.099	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	14		0.17	0.17	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.94	J	0.1	0.1	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11		0.16	0.16	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.58	J	0.23	0.23	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1400		0.27	0.27	PG/G

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ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	350		0.18	0.18	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	110		0.16	0.16	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	70		0.11	0.11	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	6700		0.32	0.32	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	OCTACHLORODIBENZOFURAN	630		0.17	0.17	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	11	J	0.095	0.095	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	2.4		0.22	0.22	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.6		0.2	0.2	PG/G
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.58	0.58	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	M8321A	Non-Detect on PERCHLORATE	ND	U	0.89	3.5	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	ALUMINUM (TOTAL)	8770		3.3	20.4236	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	ANTIMONY (TOTAL)	4.5	J	0.35	6.1271	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	ARSENIC (TOTAL)	3.4		0.31	1.0212	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	BARIUM (TOTAL)	115		0.51	20.4236	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.031	0.5106	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	BORON (TOTAL)	8.1	J	0.31	10.2118	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	CADMIUM (TOTAL)	11.3		0.061	0.5106	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	CALCIUM (TOTAL)	316	J	14	510.5896	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	CHROMIUM (TOTAL)	12.3		0.11	1.0212	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	COBALT (TOTAL)	3.1	J	0.17	5.1059	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	COPPER (TOTAL)	135		0.27	2.5529	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	IRON (TOTAL)	12600		4.9	10.2118	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	LEAD (TOTAL)	286		0.15	0.3064	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	MAGNESIUM (TOTAL)	1270		14.4	510.5896	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	MANGANESE (TOTAL)	266		0.051	1.5318	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW7471A	MERCURY (TOTAL)	213		3.6	0	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	MOLYBDENUM (TOTAL)	0.86	J	0.14	1.0212	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	NICKEL (TOTAL)	8.9		0.16	4.0847	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	POTASSIUM (TOTAL)	558		20.1	510.5896	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	SILVER (TOTAL)	0.47	J	0.21	1.0212	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	VANADIUM (TOTAL)	16		0.16	5.1059	mg/Kg

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ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW6010B	ZINC (TOTAL)	384		0.18	2.0424	mg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	1,3-DIETHYL-1,3-DIPHENYL UREA	53	J	34	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	2,4-DINITROTOLUENE	1900		72.6	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	2-METHYLNAPHTHALENE	84	J	33.6	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	2-NITRODIPHENYLAMINE	210	J	75.7	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	ACENAPHTHENE	100	J	36.9	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	ANTHRACENE	82	J	32	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	BENZO(A)ANTHRACENE	180	J	35.9	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	BENZO(A)PYRENE	88	J	40	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	BENZO(B)FLUORANTHENE	150	J	64.3	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	BENZO(K)FLUORANTHENE	110	J	44.5	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	CARBAZOLE	46	J	91.9	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	CHRYSENE	270	J	30.3	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	2000		29.5	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	DIBENZOFURAN	67	J	41.9	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	FLUORANTHENE	930		84.2	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	FLUORENE	130	J	46.9	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	2900		31.5	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	NAPHTHALENE	64	J	34.7	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	PHENANTHRENE	380		30.6	380	µg/Kg
ECCBPD1044	6/16/2004	Q44-BP-001 (pre)	SW8270C	PYRENE	720		87.5	380	µg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	35		0.17	0.17	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	6.7		0.086	0.086	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.5	J	0.077	0.077	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.9	J	0.12	0.12	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.6	J	0.12	0.12	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0	u	0.32	0.32	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	78		0.17	0.17	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	16		0.093	0.093	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	13		0.11	0.11	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	6.6	J	0.082	0.082	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	740		0.17	0.17	PG/G

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ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	OCTACHLORODIBENZOFURAN	24		0.099	0.099	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	3.2	J	0.081	0.081	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.3	J	0.17	0.17	PG/G
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.51	0.51	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	350		8.07	120	µg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8330	OCTAHYDRO-1,3,5,7-TETRAZOCINE	390		11.3	120	µg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8330	TETRYL	2000		44.5	120	µg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	M8321A	PERCHLORATE	18		0.89	3.5	µg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	ALUMINUM (TOTAL)	11400		3.5	21.5715	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	ANTIMONY (TOTAL)	6.7		0.37	6.4714	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	ARSENIC (TOTAL)	2.7		0.32	1.0786	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	BARIUM (TOTAL)	109		0.54	21.5715	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.032	0.5393	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	BORON (TOTAL)	7.1	J	0.32	10.7857	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	CADMIUM (TOTAL)	7.6		0.065	0.5393	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	CALCIUM (TOTAL)	354	J	14.8	539.2871	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	CHROMIUM (TOTAL)	16.3		0.12	1.0786	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	COBALT (TOTAL)	3.4	J	0.18	5.3929	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	COPPER (TOTAL)	260		0.28	2.6964	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	IRON (TOTAL)	11300		5.2	10.7857	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	LEAD (TOTAL)	295		0.16	0.3236	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	MAGNESIUM (TOTAL)	1020		15.2	539.2871	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	MANGANESE (TOTAL)	204		0.054	1.6179	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW7470A	MERCURY (TOTAL)	0.11		0.015	0.0367	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	MOLYBDENUM (TOTAL)	1.1	J	0.15	1.0786	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	NICKEL (TOTAL)	10.7		0.17	4.3143	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	POTASSIUM (TOTAL)	405	J	21.2	539.2871	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	SILVER (TOTAL)	85		0.23	1.0786	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	SODIUM (TOTAL)	165	J	49.9	539.2871	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	VANADIUM (TOTAL)	10.9		0.17	5.3929	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW6010B	ZINC (TOTAL)	1650		1.9	21.5715	mg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8270C	1,3-DIETHYL-1,3-DIPHENYL UREA	190	J	33.1	380	µg/Kg

DL = Detection Limit

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J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8270C	2,4-DINITROTOLUENE	120	J	70.7	380	µg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	1100		28.7	380	µg/Kg
ECCBPD1045	6/21/2004	Q45-BP-001 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	470		30.7	380	µg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.52	0.52	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	M8321A	PERCHLORATE	6.9		0.33	2.1	µg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	ALUMINUM (TOTAL)	1760		3.1	18.8608	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	ANTIMONY (TOTAL)	2.6	J	0.32	5.6582	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	ARSENIC (TOTAL)	1.7		0.28	0.943	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	BARIUM (TOTAL)	41		0.47	18.8608	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.18	J	0.028	0.4715	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	BORON (TOTAL)	2.2	J	0.28	9.4304	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	CADMIUM (TOTAL)	0.084	J	0.057	0.4715	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	CALCIUM (TOTAL)	146	J	12.9	471.5202	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	CHROMIUM (TOTAL)	3.1		0.1	0.943	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	COBALT (TOTAL)	1.7	J	0.16	4.7152	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	COPPER (TOTAL)	15.3		0.25	2.3576	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	IRON (TOTAL)	3620		4.5	9.4304	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	LEAD (TOTAL)	7		0.14	0.2829	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	MAGNESIUM (TOTAL)	442	J	13.3	471.5202	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	MANGANESE (TOTAL)	70		0.047	1.4146	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	MOLYBDENUM (TOTAL)	0.5	J	0.13	0.943	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	NICKEL (TOTAL)	1.7	J	0.15	3.7722	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW7471A	Non-Detect on MERCURY (TOTAL)	ND	U	0.013	0.0319	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	POTASSIUM (TOTAL)	197	J	18.5	471.5202	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	VANADIUM (TOTAL)	5.2		0.15	4.7152	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW6010B	ZINC (TOTAL)	12.7		0.17	1.8861	mg/Kg
ECCBPD1045	8/6/2004	Q45-BP-003 (pre)	SW8270C	Non-Detect on all 86 analytes	ND	U			µg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	40		0.35	0.35	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	21		0.28	0.28	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.4	J	0.44	0.44	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.2	J	0.29	0.29	PG/G

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mg/Kg = milligram/kilogram
 PG/G = picogram/gram
 ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	87		0.35	0.35	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	21		0.3	0.3	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	21		0.4	0.4	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	10		0.21	0.21	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	830		0.28	0.28	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8290	OCTACHLORODIBENZOFURAN	150		0.24	0.24	PG/G
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.57	0.57	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	940		8.07	120	µg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	5100		11.3	120	µg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	M8321A	PERCHLORATE	98		3.7	23	µg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	ALUMINUM (TOTAL)	8370		3.4	19.7847	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	ANTIMONY (TOTAL)	21.7		0.58	5.9354	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	ARSENIC (TOTAL)	8		0.57	0.9892	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	BARIUM (TOTAL)	2160	J	12	197.8474	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.03	0.4946	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	BORON (TOTAL)	4.2	J	0.68	9.8924	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	CADMIUM (TOTAL)	0.29	J	0.05	0.4946	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	CALCIUM (TOTAL)	1290		23	494.6186	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	CHROMIUM (TOTAL)	10.5		0.11	0.9892	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	COBALT (TOTAL)	3.1	J	0.31	4.9462	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	COPPER (TOTAL)	195		0.26	2.4731	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	IRON (TOTAL)	11600		3.5	9.8924	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	LEAD (TOTAL)	174		0.21	0.2968	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	MAGNESIUM (TOTAL)	1680		24	494.6186	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	MANGANESE (TOTAL)	187		0.099	1.4839	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW7471A	MERCURY (TOTAL)	0.061		0.017	0.0408	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	MOLYBDENUM (TOTAL)	2.2		0.12	0.9892	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	NICKEL (TOTAL)	8.1		0.29	3.9569	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	POTASSIUM (TOTAL)	915		47.9	494.6186	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	SODIUM (TOTAL)	203	J	23.5	494.6186	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	VANADIUM (TOTAL)	14		0.3	4.9462	mg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW6010B	ZINC (TOTAL)	123		0.19	1.9785	mg/Kg

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ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	160	J	106	380	µg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	590		29.3	380	µg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8270C	HEXACHLOROBENZENE	1200		29.9	380	µg/Kg
ECCD1045	11/3/2004	Q45-BP-004 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	63	J	31.4	380	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	860		0.56	0.56	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	27		0.24	0.24	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	3.1	J	0.26	0.26	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	23		0.38	0.38	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	61		0.4	0.4	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	63		0.37	0.37	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	24		0.33	0.33	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.88	J	0.23	0.23	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.1	J	0.18	0.18	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	7.3		0.67	0.67	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.93	J	0.45	0.45	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1600		0.56	0.56	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	100		0.25	0.25	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	600		0.38	0.38	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	4400		0.46	0.46	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	OCTACHLORODIBENZOFURAN	110		0.31	0.31	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	220		0.33	0.33	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	18		0.2	0.2	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	74		0.67	0.67	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	11		0.45	0.45	PG/G
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW9012A	Non-Detect on CYANIDE	ND	U	0.53	0.5246	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	M8321A	PERCHLORATE	47		0.95	3.7	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	ALUMINUM (TOTAL)	13900		3.2	19.5848	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	ANTIMONY (TOTAL)	3	J	0.33	5.8754	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	ARSENIC (TOTAL)	3.7		0.29	0.9792	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	BARIUM (TOTAL)	94.3		0.49	19.5848	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.029	0.4896	mg/Kg

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mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

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APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	BORON (TOTAL)	6.3	J	0.29	9.7924	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	CADMIUM (TOTAL)	2.7		0.059	0.4896	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	CALCIUM (TOTAL)	312	J	13.4	489.6201	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	CHROMIUM (TOTAL)	15.1		0.11	0.9792	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	COBALT (TOTAL)	3.5	J	0.17	4.8962	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	COPPER (TOTAL)	590		0.25	2.4481	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	IRON (TOTAL)	12700		4.7	9.7924	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	LEAD (TOTAL)	139		0.15	0.2938	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	MAGNESIUM (TOTAL)	1340		13.8	489.6201	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	MANGANESE (TOTAL)	188		0.049	1.4689	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW7471A	MERCURY (TOTAL)	0.87		0.016	0.0381	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	MOLYBDENUM (TOTAL)	1.1		0.14	0.9792	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	NICKEL (TOTAL)	23.6		0.16	3.917	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	POTASSIUM (TOTAL)	486	J	19.2	489.6201	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	SELENIUM (TOTAL)	0.77		0.31	0.4896	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	SILVER (TOTAL)	3.8		0.21	0.9792	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	SODIUM (TOTAL)	221	J	45.3	489.6201	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	VANADIUM (TOTAL)	15.4		0.16	4.8962	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW6010B	ZINC (TOTAL)	2150		1.8	19.5848	mg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	2-METHYLNAPHTHALENE	83	J	34.1	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	BENZO(A)ANTHRACENE	82	J	36.3	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	BENZO(A)PYRENE	100	J	40.6	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	BENZO(B)FLUORANTHENE	200	J	65.1	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	BENZO(G,H,I)PERYLENE	66	J	55.5	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	BENZO(K)FLUORANTHENE	150	J	45	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	BENZOIC ACID	120	J	145	980	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	1600		108	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	CHRYSENE	190	J	30.7	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	DI-N-BUTYL PHTHALATE	480		29.8	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	120		8.1	40	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	N-NITROSODIPHENYLAMINE	160	J	32	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	PHENANTHRENE	37	J	31	390	µg/Kg

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J = Estimated

ND = Non Detect

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mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	PYRENE	130	J	88.7	390	µg/Kg
ECCBPD1056	6/25/2004	Q56A-BP-001(Pre)	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	160		7.7	40	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	240		0.32	0.32	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	57		0.26	0.26	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13		0.27	0.27	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.2		0.26	0.26	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.2	J	0.18	0.18	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	22		0.37	0.37	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.2	J	0.19	0.19	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	24		24	0.29	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	11		0.29	0.29	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2	J	0.19	0.19	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.2	J	0.16	0.16	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	4.5		0.33	0.33	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	500		0.32	0.32	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	130		0.27	0.27	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	230		0.3	0.3	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	26		0.2	0.2	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	2700		0.34	0.34	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	OCTACHLORODIBENZOFURAN	720		0.31	0.31	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	95		0.29	0.29	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	15	J	0.17	0.17	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	54		0.33	0.33	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	14		0.34	0.34	PG/G
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW9012A	CYANIDE	0.67		0.6	0.6	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	M8321A	Non-Detect on PERCHLORATE	ND	U	1	4	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	ALUMINUM (TOTAL)	13100		4.4	19.802	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	ANTIMONY (TOTAL)	67.3		0.45	5.9406	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	ARSENIC (TOTAL)	6.8		0.4	0.9901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	BARIUM (TOTAL)	1100		0.67	19.802	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.38	J	0.04	0.495	mg/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	BORON (TOTAL)	13.3		0.4	9.901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	CADMIUM (TOTAL)	4.9		0.08	0.495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	CALCIUM (TOTAL)	608		18.2	495.0495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	CHROMIUM (TOTAL)	20.7		0.15	0.9901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	COBALT (TOTAL)	3.7	J	0.23	4.9505	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	COPPER (TOTAL)	417		0.35	2.4752	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	IRON (TOTAL)	19000		6.4	9.901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	LEAD (TOTAL)	756		0.2	0.297	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	MAGNESIUM (TOTAL)	1980		18.7	495.0495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	MANGANESE (TOTAL)	314		0.067	1.4851	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW7470A	MERCURY (TOTAL)	0.55		0.02	0.0475	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	MOLYBDENUM (TOTAL)	1		0.19	0.9901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	NICKEL (TOTAL)	10.5		0.21	3.9604	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	POTASSIUM (TOTAL)	844		26.2	495.0495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	SILVER (TOTAL)	4.3		0.28	0.9901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	SODIUM (TOTAL)	185	J	61.6	495.0495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	VANADIUM (TOTAL)	17.2		0.21	4.9505	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW6010B	ZINC (TOTAL)	1770		2.4	19.802	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	2,4-DINITROTOLUENE	2400		62.4	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	2,6-DINITROTOLUENE	100	J	45.5	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	2-METHYLNAPHTHALENE	310	J	28.9	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	2-NITRODIPHENYLAMINE	200	J	65	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	ACENAPHTHENE	140	J	31.7	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	ANTHRACENE	490		27.5	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	BENZO(A)ANTHRACENE	130	J	30.8	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	BENZO(A)PYRENE	91	J	34.4	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	BENZO(B)FLUORANTHENE	180	J	55.2	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	BENZO(G,H,I)PERYLENE	61	J	47.1	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	BENZO(K)FLUORANTHENE	110	J	38.2	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	BENZYL BUTYL PHTHALATE	200	J	61	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	97	J	92	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	CARBAZOLE	88	J	78.9	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	CHRYSENE	240	J	26	440	µg/Kg

DL = Detection Limit

RL = Reporting Limit

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mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	140	J	25.3	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	DIBENZOFURAN	130	J	36	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	340		9	44	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	FLUORANTHENE	620		72.3	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	FLUORENE	190	J	40.3	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	HEXACHLORO BENZENE	5700		77.4	990	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	1400		27.1	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	NAPHTHALENE	230	J	29.8	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	PHENANTHRENE	670		26.3	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	PYRENE	380	J	75.2	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-001 (pre)	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	570		8.5	44	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	240		0.32	0.32	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	57		0.26	0.26	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	13		0.27	0.27	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	7.2		0.26	0.26	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	3.2	J	0.18	0.18	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	22		0.37	0.37	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	3.2	J	0.19	0.19	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	24		24	0.29	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	11		0.29	0.29	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2	J	0.19	0.19	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	2,3,4,7,8-PENTACHLORODIBENZOFURAN	1.2	J	0.16	0.16	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	4.5		0.33	0.33	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	500		0.32	0.32	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	130		0.27	0.27	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	230		0.3	0.3	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	26		0.2	0.2	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	2700		0.34	0.34	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	OCTACHLORODIBENZOFURAN	720		0.31	0.31	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	95		0.29	0.29	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	15	J	0.17	0.17	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	54		0.33	0.33	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	14		0.34	0.34	PG/G
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW9012A	CYANIDE	0.67		0.6	0.6	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	M8321A	Non-Detect on PERCHLORATE	ND	U	1	4	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	ALUMINUM (TOTAL)	13100		4.4	19.802	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	ANTIMONY (TOTAL)	67.3		0.45	5.9406	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	ARSENIC (TOTAL)	6.8		0.4	0.9901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	BARIUM (TOTAL)	1100		0.67	19.802	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	BERYLLIUM (TOTAL)	0.38	J	0.04	0.495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	BORON (TOTAL)	13.3		0.4	9.901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	CADMIUM (TOTAL)	4.9		0.08	0.495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	CALCIUM (TOTAL)	608		18.2	495.0495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	CHROMIUM (TOTAL)	20.7		0.15	0.9901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	COBALT (TOTAL)	3.7	J	0.23	4.9505	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	COPPER (TOTAL)	417		0.35	2.4752	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	IRON (TOTAL)	19000		6.4	9.901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	LEAD (TOTAL)	756		0.2	0.297	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	MAGNESIUM (TOTAL)	1980		18.7	495.0495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	MANGANESE (TOTAL)	314		0.067	1.4851	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW7470A	MERCURY (TOTAL)	0.55		0.02	0.0475	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	MOLYBDENUM (TOTAL)	1		0.19	0.9901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	NICKEL (TOTAL)	10.5		0.21	3.9604	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	POTASSIUM (TOTAL)	844		26.2	495.0495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	SILVER (TOTAL)	4.3		0.28	0.9901	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	SODIUM (TOTAL)	185	J	61.6	495.0495	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	VANADIUM (TOTAL)	17.2		0.21	4.9505	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW6010B	ZINC (TOTAL)	1770		2.4	19.802	mg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	2,4-DINITROTOLUENE	2400		62.4	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	2,6-DINITROTOLUENE	100	J	45.5	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	2-METHYLNAPHTHALENE	310	J	28.9	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	2-NITRODIPHENYLAMINE	200	J	65	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	ACENAPHTHENE	140	J	31.7	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	ANTHRACENE	490		27.5	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	BENZO(A)ANTHRACENE	130	J	30.8	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	BENZO(A)PYRENE	91	J	34.4	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	BENZO(B)FLUORANTHENE	180	J	55.2	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	BENZO(G,H,I)PERYLENE	61	J	47.1	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	BENZO(K)FLUORANTHENE	110	J	38.2	440	µg/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

PG/G = picogram/gram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-3
Burn Pit Soil Sample Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	BENZYL BUTYL PHTHALATE	200	J	61	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	BIS(2-ETHYLHEXYL) PHTHALATE	97	J	92	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	CARBAZOLE	88	J	78.9	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	CHRYSENE	240	J	26	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	DI-N-BUTYL PHTHALATE	140	J	25.3	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	DIBENZOFURAN	130	J	36	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	340		9	44	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	FLUORANTHENE	620		72.3	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	FLUORENE	190	J	40.3	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	HEXACHLOROBENZENE	5700		77.4	990	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	N-NITROSODIPHENYLAMINE	1400		27.1	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	NAPHTHALENE	230	J	29.8	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	PHENANTHRENE	670		26.3	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	PYRENE	380	J	75.2	440	µg/Kg
ECCBPD1056	6/18/2004	Q56-BP-002 (pre)	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	570		8.5	44	µg/Kg

DL = Detection Limit
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 U = Undetected

mg/Kg = milligram/kilogram
 PG/G = picogram/gram
 ug/Kg = microgram/kilogram

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
6/14/2004	Q42-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	73		0.23	0.23	PG/G	0.73	
6/14/2004	Q42-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	8.9		0.12	0.12	PG/G	0.089	
6/14/2004	Q42-BP-001 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.3	J	0.087	0.087	PG/G	0.13	
6/14/2004	Q42-BP-001 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.2	J	0.2	0.2	PG/G	0.22	
6/14/2004	Q42-BP-001 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.27	J	0.088	0.088	PG/G	0.027	
6/14/2004	Q42-BP-001 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.1	J	0.17	0.17	PG/G	0.21	
6/14/2004	Q42-BP-001 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.23	J	0.12	0.12	PG/G	0.0115	
6/14/2004	Q42-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	180		0.23	0.23	PG/G	1.8	
6/14/2004	Q42-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	41		0.13	0.13	PG/G	0.41	
6/14/2004	Q42-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	16.6	J	0.18	0.18	PG/G	1.66	
6/14/2004	Q42-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	5.1	J	0.096	0.096	PG/G	0.51	
6/14/2004	Q42-BP-001 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	2500		0.24	0.24	PG/G	2.5	
6/14/2004	Q42-BP-001 (post)	SW8290	OCTACHLORODIBENZOFURAN	65		0.18	0.18	PG/G	0.065	
6/14/2004	Q42-BP-001 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	2.4	J	0.11	0.11	PG/G	1.2	
6/14/2004	Q42-BP-001 (post)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	2.1	J	0.26	0.26	PG/G	0.21	9.7725
6/14/2004	Q42-BP-001 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.57	0.57	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg		
6/14/2004	Q42-BP-001 (post)	M8321A	Non-Detect on PERCHLORATE	ND	U	0.87	3.4	µg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	ALUMINUM (TOTAL)	8510		2.7	16.3399	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	ANTIMONY (TOTAL)	0.84	J	0.28	4.902	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	ARSENIC (TOTAL)	3.2		0.25	0.817	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	BARIUM (TOTAL)	23.3		0.41	16.3399	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.025	0.4085	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	BORON (TOTAL)	6.5	J	0.25	8.1699	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	CADMIUM (TOTAL)	0.36	J	0.049	0.4085	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	CALCIUM (TOTAL)	2410		11.2	408.4967	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	CHROMIUM (TOTAL)	10.4		0.09	0.817	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	COBALT (TOTAL)	3.4	J	0.14	4.085	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	COPPER (TOTAL)	23.5		0.21	2.0425	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	IRON (TOTAL)	10500		3.9	8.1699	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	LEAD (TOTAL)	20.7		0.12	0.2451	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	MAGNESIUM (TOTAL)	1300		11.5	408.4967	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	MANGANESE (TOTAL)	142		0.041	1.2255	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW7470A	MERCURY (TOTAL)	0.31		0.017	0.0403	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	MOLYBDENUM (TOTAL)	0.78	J	0.11	0.817	mg/Kg		

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ug/Kg = microgram/kilogram

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
6/14/2004	Q42-BP-001 (post)	SW6010B	NICKEL (TOTAL)	6.5		0.13	3.268	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	POTASSIUM (TOTAL)	480		16.1	408.4967	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	SILVER (TOTAL)	0.37	J	0.17	0.817	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	VANADIUM (TOTAL)	15.6		0.13	4.085	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW6010B	ZINC (TOTAL)	34.2		0.15	1.634	mg/Kg		
6/14/2004	Q42-BP-001 (post)	SW8270C	CHRYSENE	35	J	30.6	390	µg/Kg		
6/14/2004	Q42-BP-001 (post)	SW8270C	N-NITROSODIPHENYLAMINE	38	J	31.9	390	µg/Kg		
8/23/2004	Q42-BP-001a (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	34		0.21	0.21	PG/G	0.34	
8/23/2004	Q42-BP-001a (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	4.5	J	0.12	0.12	PG/G	0.045	
8/23/2004	Q42-BP-001a (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.1	J	0.08	0.08	PG/G	0.11	
8/23/2004	Q42-BP-001a (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.23	J	0.081	0.081	PG/G	0.023	
8/23/2004	Q42-BP-001a (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.4	J	0.13	0.13	PG/G	0.2	
8/23/2004	Q42-BP-001a (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.23	J	0.094	0.094	PG/G	0.0115	
8/23/2004	Q42-BP-001a (post)	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.3	J	0.082	0.082	PG/G	0.03	
8/23/2004	Q42-BP-001a (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	94		0.21	0.21	PG/G	0.94	
8/23/2004	Q42-BP-001a (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	16		0.14	0.14	PG/G	0.16	
8/23/2004	Q42-BP-001a (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	8.1	J	0.13	0.13	PG/G	0.81	
8/23/2004	Q42-BP-001a (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	3.8	J	0.085	0.085	PG/G	0.38	
8/23/2004	Q42-BP-001a (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	570		0.21	0.21	PG/G	0.57	
8/23/2004	Q42-BP-001a (post)	SW8290	OCTACHLORODIBENZOFURAN	25		0.22	0.22	PG/G	0.025	
8/23/2004	Q42-BP-001a (post)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	0.77	J	0.13	0.13	PG/G	0.385	
8/23/2004	Q42-BP-001a (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	1.1	J	0.086	0.086	PG/G	0.55	
8/23/2004	Q42-BP-001a (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	0.66	J	0.26	0.26	PG/G	0.66	
8/23/2004	Q42-BP-001a (post)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	1.1	J	0.22	0.22	PG/G	0.11	5.3495
8/23/2004	Q42-BP-001a (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.59	0.59	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	280		8.07	120	µg/Kg		
8/23/2004	Q42-BP-001a (post)	SW8330	OCTAHYDRO-1,3,5,7-TETRAZOCINE	200		11.3	120	µg/Kg		
8/23/2004	Q42-BP-001a (post)	M8321A	PERCHLORATE	3.6		0.4	2.5	µg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	ALUMINUM (TOTAL)	9880		3.6	21.7167	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	ANTIMONY (TOTAL)	1.5	J	0.37	6.515	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	ARSENIC (TOTAL)	4.2		0.33	1.0858	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	BARIIUM (TOTAL)	50.3		0.54	21.7167	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	BERYLLIUM (TOTAL)	0.44	J	0.033	0.5429	mg/Kg		

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
8/23/2004	Q42-BP-001a (post)	SW6010B	BORON (TOTAL)	4.8	J	0.33	10.8584	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	CADMIUM (TOTAL)	0.58		0.065	0.5429	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	CALCIUM (TOTAL)	528	J	14.9	542.9176	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	CHROMIUM (TOTAL)	12		0.12	1.0858	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	COBALT (TOTAL)	3	J	0.18	5.4292	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	COPPER (TOTAL)	37.7		0.28	2.7146	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	IRON (TOTAL)	12800		5.2	10.8584	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	LEAD (TOTAL)	23.5		0.16	0.3258	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	MAGNESIUM (TOTAL)	1260		15.3	542.9176	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	MANGANESE (TOTAL)	362		0.054	1.6288	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW7471A	MERCURY (TOTAL)	0.69		0.017	0.0398	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	MOLYBDENUM (TOTAL)	0.61	J	0.15	1.0858	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	NICKEL (TOTAL)	6.4		0.17	4.3433	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	POTASSIUM (TOTAL)	580		21.3	542.9176	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	SELENIUM (TOTAL)	0.74	J	0.35	0.5429	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	SILVER (TOTAL)	1.5		0.23	1.0858	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	VANADIUM (TOTAL)	19		0.17	5.4292	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW6010B	ZINC (TOTAL)	49.4		0.2	2.1717	mg/Kg		
8/23/2004	Q42-BP-001a (post)	SW8270C	BENZO(K)FLUORANTHENE	51	J	46.9	410	µg/Kg		
8/23/2004	Q42-BP-001a (post)	SW8270C	CHRYSENE	43	J	31.9	410	µg/Kg		
8/23/2004	Q42-BP-001a (post)	SW8270C	NAPHTHALENE	53	J	36.6	410	µg/Kg		
8/23/2004	Q42-BP-001a (post)	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	34	J	14	40	µg/Kg		
8/23/2004	Q42-BP-001a (post)	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	35	J	7.7	40	µg/Kg		
8/4/2004	Q42-BP-002 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	140		1.4	1.4	PG/G	1.4	
8/4/2004	Q42-BP-002 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	11		0.85	0.85	PG/G	0.11	
8/4/2004	Q42-BP-002 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	3.8	J	0.75	0.75	PG/G	0.38	
8/4/2004	Q42-BP-002 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	5.4	J	0.45	0.45	PG/G	0.54	
8/4/2004	Q42-BP-002 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	2.2	J	0.44	0.44	PG/G	0.22	
8/4/2004	Q42-BP-002 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	11		0.72	0.72	PG/G	1.1	
8/4/2004	Q42-BP-002 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	3.6	J	0.43	0.43	PG/G	1.8	
8/4/2004	Q42-BP-002 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	2	J	0.32	0.32	PG/G	0.1	
8/4/2004	Q42-BP-002 (post)	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	2.5	J	0.55	0.55	PG/G	0.25	

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ECC

APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
8/4/2004	Q42-BP-002 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	300		1.4	1.4	PG/G	3	
8/4/2004	Q42-BP-002 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	40	J	0.98	0.98	PG/G	0.4	
8/4/2004	Q42-BP-002 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	91	J	0.75	0.75	PG/G	9.1	
8/4/2004	Q42-BP-002 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	34	J	0.52	0.52	PG/G	3.4	
8/4/2004	Q42-BP-002 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	1500		2.1	2.1	PG/G	1.5	
8/4/2004	Q42-BP-002 (post)	SW8290	OCTACHLORODIBENZOFURAN	39		2.1	2.1	PG/G	0.039	
8/4/2004	Q42-BP-002 (post)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	5	J	0.43	0.43	PG/G	2.5	
8/4/2004	Q42-BP-002 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	26	J	0.31	0.31	PG/G	13	
8/4/2004	Q42-BP-002 (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	16	J	0.42	0.42	PG/G	16	
8/4/2004	Q42-BP-002 (post)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	42.3	J	0.54	0.54	PG/G	4.23	59.069
8/4/2004	Q42-BP-002 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.56	0.56	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg		
8/4/2004	Q42-BP-002 (post)	M8321A	PERCHLORATE	14		0.37	2.3	µg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	ALUMINUM (TOTAL)	9680		3.9	23.6128	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	ANTIMONY (TOTAL)	5.7	J	0.4	7.0838	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	ARSENIC (TOTAL)	4.9	J	0.35	1.1806	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	BARIUM (TOTAL)	208		0.59	23.6128	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	BERYLLIUM (TOTAL)	0.45	J	0.035	0.5903	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	BORON (TOTAL)	6.5	J	0.35	11.8064	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	CADMIUM (TOTAL)	1.1		0.071	0.5903	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	CALCIUM (TOTAL)	366	J	16.2	590.3188	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	CHROMIUM (TOTAL)	13		0.13	1.1806	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	COBALT (TOTAL)	3.4	J	0.2	5.9032	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	COPPER (TOTAL)	111		0.31	2.9516	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	IRON (TOTAL)	14200		5.6	11.8064	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	LEAD (TOTAL)	242		0.18	0.3542	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	MAGNESIUM (TOTAL)	1600		16.6	590.3188	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	MANGANESE (TOTAL)	260		0.059	1.771	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW7471A	MERCURY (TOTAL)	0.5		0.017	0.0417	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	MOLYBDENUM (TOTAL)	0.96	J	0.17	1.1806	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	NICKEL (TOTAL)	7.9		0.19	4.7226	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	POTASSIUM (TOTAL)	589	J	23.2	590.3188	mg/Kg		

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mg/Kg = milligram/kilogram
 PG/G = picogram/gram
 ug/Kg = microgram/kilogram

ECC

APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
8/4/2004	Q42-BP-002 (post)	SW6010B	SELENIUM (TOTAL)	0.49	J	0.38	0.5903	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	VANADIUM (TOTAL)	18.5		0.19	5.9032	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW6010B	ZINC (TOTAL)	178		0.21	2.3613	mg/Kg		
8/4/2004	Q42-BP-002 (post)	SW8270C	2,4-DINITROTOLUENE	2400		73.7	390	µg/Kg		
8/4/2004	Q42-BP-002 (post)	SW8270C	2,6-DINITROTOLUENE	170	J	53.7	390	µg/Kg		
8/4/2004	Q42-BP-002 (post)	SW8270C	DI-N-BUTYL PHTHALATE	640		29.9	390	µg/Kg		
8/4/2004	Q42-BP-002 (post)	SW8270C	HEXACHLOROBENZENE	55	J	30.5	390	µg/Kg		
8/4/2004	Q42-BP-002 (post)	SW8270C	N-NITROSODIPHENYLAMINE	420		32	390	µg/Kg		
8/4/2004	Q42-BP-002 (post)	SW8270C	PHENANTHRENE	32	J	31.1	390	µg/Kg		
8/6/2004	Q42-BP-003 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	66		0.62	0.62	PG/G	0.66	
8/6/2004	Q42-BP-003 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	7.6		0.39	0.39	PG/G	0.076	
8/6/2004	Q42-BP-003 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.9	J	0.35	0.35	PG/G	0.19	
8/6/2004	Q42-BP-003 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	1.4	J	0.22	0.22	PG/G	0.14	
8/6/2004	Q42-BP-003 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	5.5	J	0.35	0.35	PG/G	0.55	
8/6/2004	Q42-BP-003 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.49	J	0.23	0.23	PG/G	0.049	
8/6/2004	Q42-BP-003 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	5.1	J	0.33	0.33	PG/G	0.51	
8/6/2004	Q42-BP-003 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2.1	J	0.24	0.24	PG/G	1.05	
8/6/2004	Q42-BP-003 (post)	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.44	J	0.23	0.23	PG/G	0.044	
8/6/2004	Q42-BP-003 (post)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.47	J	0.19	0.19	PG/G	0.047	
8/6/2004	Q42-BP-003 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	130		0.62	0.62	PG/G	1.3	
8/6/2004	Q42-BP-003 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	31		0.44	0.44	PG/G	0.31	
8/6/2004	Q42-BP-003 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	44	J	0.34	0.34	PG/G	4.4	
8/6/2004	Q42-BP-003 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	11	J	0.24	0.24	PG/G	1.1	
8/6/2004	Q42-BP-003 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	710		0.85	0.85	PG/G	0.71	
8/6/2004	Q42-BP-003 (post)	SW8290	OCTACHLORODIBENZOFURAN	40		0.67	0.67	PG/G	0.04	
8/6/2004	Q42-BP-003 (post)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	15	J	0.24	0.24	PG/G	7.5	
8/6/2004	Q42-BP-003 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.36	J	0.18	0.18	PG/G	0.18	
8/6/2004	Q42-BP-003 (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	8.7	J	0.17	0.17	PG/G	8.7	
8/6/2004	Q42-BP-003 (post)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	4.5	J	0.19	0.19	PG/G	0.45	28.006
8/6/2004	Q42-BP-003 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.62	0.62	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg		
8/6/2004	Q42-BP-003 (post)	M8321A	PERCHLORATE	0.8	J	0.4	2.5	µg/Kg		

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 ug/Kg = microgram/kilogram

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
8/6/2004	Q42-BP-003 (post)	SW6010B	ALUMINUM (TOTAL)	10900		3.8	23.1675	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	ANTIMONY (TOTAL)	6.1	J	0.39	6.9502	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	ARSENIC (TOTAL)	5.7		0.35	1.1584	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	BARIUM (TOTAL)	189		0.58	23.1675	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	BERYLLIUM (TOTAL)	0.43	J	0.035	0.5792	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	BORON (TOTAL)	6.8	J	0.35	11.5837	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	CADMIUM (TOTAL)	0.53	J	0.07	0.5792	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	CALCIUM (TOTAL)	414	J	15.9	579.1864	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	CHROMIUM (TOTAL)	13.8		0.13	1.1584	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	COBALT (TOTAL)	3.5	J	0.2	5.7919	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	COPPER (TOTAL)	82.7		0.3	2.8959	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	IRON (TOTAL)	14900		5.5	11.5837	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	LEAD (TOTAL)	65.2		0.17	0.3475	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	MAGNESIUM (TOTAL)	1760		16.3	579.1864	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	MANGANESE (TOTAL)	370		0.058	1.7376	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW7471A	MERCURY (TOTAL)	0.073		0.017	0.041	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	MOLYBDENUM (TOTAL)	1.2		0.16	1.1584	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	NICKEL (TOTAL)	8		0.19	4.6335	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	POTASSIUM (TOTAL)	588		22.8	579.1864	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	VANADIUM (TOTAL)	20		0.19	5.7919	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW6010B	ZINC (TOTAL)	121		0.21	2.3167	mg/Kg		
8/6/2004	Q42-BP-003 (post)	SW8270C	CHLORONAPHTHALENE, (TOTAL)	22	J	7.7	40	µg/Kg		
8/6/2004	Q42-BP-003 (post)	SW8270C	HEXACHLOROBENZENE	48	J	32.6	420	µg/Kg		
8/30/2004	Q42-BP-004 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	200		0.49	0.49	PG/G	2	
8/30/2004	Q42-BP-004 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	22		0.19	0.19	PG/G	0.22	
8/30/2004	Q42-BP-004 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	2.1	J	0.24	0.24	PG/G	0.21	
8/30/2004	Q42-BP-004 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	6.4		0.25	0.25	PG/G	0.64	
8/30/2004	Q42-BP-004 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	6.3		0.23	0.23	PG/G	0.63	
8/30/2004	Q42-BP-004 (post)	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.63	J	0.14	0.14	PG/G	0.063	
8/30/2004	Q42-BP-004 (post)	SW8290	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.83	J	0.37	0.37	PG/G	0.83	
8/30/2004	Q42-BP-004 (post)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.85	J	0.3	0.3	PG/G	0.085	
8/30/2004	Q42-BP-004 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	480		0.49	0.49	PG/G	4.8	

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
8/30/2004	Q42-BP-004 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	120		0.22	0.22	PG/G	1.2	
8/30/2004	Q42-BP-004 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	49		0.24	0.24	PG/G	4.9	
8/30/2004	Q42-BP-004 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	30		0.14	0.14	PG/G	3	
8/30/2004	Q42-BP-004 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	2800		0.5	0.5	PG/G	2.8	
8/30/2004	Q42-BP-004 (post)	SW8290	OCTACHLORODIBENZOFURAN	150		0.31	0.31	PG/G	0.15	
8/30/2004	Q42-BP-004 (post)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	6.9	J	0.2	0.2	PG/G	3.45	
8/30/2004	Q42-BP-004 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	1.7	J	0.14	0.14	PG/G	0.85	
8/30/2004	Q42-BP-004 (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	3		0.37	0.37	PG/G	3	
8/30/2004	Q42-BP-004 (post)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	5.7	J	0.3	0.3	PG/G	0.57	29.398
8/30/2004	Q42-BP-004 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.57	0.57	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	130		11.3	120	µg/Kg		
8/30/2004	Q42-BP-004 (post)	M8321A	PERCHLORATE	0.47	J	0.36	2.3	µg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	ALUMINUM (TOTAL)	6710		2.9	17.4627	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	ANTIMONY (TOTAL)	1.2	J	0.3	5.2388	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	ARSENIC (TOTAL)	3.3	J	0.26	0.8731	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	BARIUM (TOTAL)	51.7		0.44	17.4627	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	BERYLLIUM (TOTAL)	0.29	J	0.026	0.4366	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	CADMIUM (TOTAL)	0.45		0.052	0.4366	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	CALCIUM (TOTAL)	244	J	12	436.5668	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	CHROMIUM (TOTAL)	8.1		0.096	0.8731	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	COBALT (TOTAL)	2.8	J	0.15	4.3657	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	COPPER (TOTAL)	164		0.23	2.1828	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	IRON (TOTAL)	9480		4.2	8.7313	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	LEAD (TOTAL)	30.7		0.13	0.2619	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	MAGNESIUM (TOTAL)	1130		12.3	436.5668	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	MANGANESE (TOTAL)	242		0.044	1.3097	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW7471A	MERCURY (TOTAL)	0.4		0.015	0.0358	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	NICKEL (TOTAL)	5.2		0.14	3.4925	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	POTASSIUM (TOTAL)	357	J	17.2	436.5668	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	VANADIUM (TOTAL)	12.3		0.14	4.3657	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW6010B	ZINC (TOTAL)	68.4		0.16	1.7463	mg/Kg		
8/30/2004	Q42-BP-004 (post)	SW8270C	CHRYSENE	39	J	29.5	380	µg/Kg		

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ug/Kg = microgram/kilogram

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
8/30/2004	Q42-BP-004 (post)	SW8270C	DI-N-BUTYL PHTHALATE	34	J	28.7	380	µg/Kg		
8/30/2004	Q42-BP-004 (post)	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	54		13	37	µg/Kg		
8/30/2004	Q42-BP-004 (post)	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	52		7.1	37	µg/Kg		
3/23/2005	Q42-BP-005 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	29		0.059	0.059	PG/G	0.29	
3/23/2005	Q42-BP-005 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.9	J	0.039	0.039	PG/G	0.029	
3/23/2005	Q42-BP-005 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.47	J	0.044	0.044	PG/G	0.047	
3/23/2005	Q42-BP-005 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.4	J	0.032	0.032	PG/G	0.04	
3/23/2005	Q42-BP-005 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.3	J	0.046	0.046	PG/G	0.13	
3/23/2005	Q42-BP-005 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.5	J	0.045	0.045	PG/G	0.15	
3/23/2005	Q42-BP-005 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.41	J	0.038	0.038	PG/G	0.205	
3/23/2005	Q42-BP-005 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	64		0.059	0.059	PG/G	0.64	
3/23/2005	Q42-BP-005 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	11		0.04	0.04	PG/G	0.11	
3/23/2005	Q42-BP-005 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	12	J	0.045	0.045	PG/G	1.2	
3/23/2005	Q42-BP-005 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	2.1	J	0.034	0.034	PG/G	0.21	
3/23/2005	Q42-BP-005 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	540		0.095	0.095	PG/G	0.54	
3/23/2005	Q42-BP-005 (post)	SW8290	OCTACHLORODIBENZOFURAN	15		0.061	0.061	PG/G	0.015	
3/23/2005	Q42-BP-005 (post)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.7	J	0.038	0.038	PG/G	0.85	
3/23/2005	Q42-BP-005 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	1.4	J	0.032	0.032	PG/G	0.7	
3/23/2005	Q42-BP-005 (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	0.13	J	0.052	0.052	PG/G	0.13	
3/23/2005	Q42-BP-005 (post)	SW8290	TETRACHLORINATED DIBENZOFURANS, (TOTAL)	0.24	J	0.068	0.068	PG/G	0.024	5.31
3/23/2005	Q42-BP-005 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.49	0.49	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg		
3/23/2005	Q42-BP-005 (post)	SW8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	µg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	ALUMINUM (TOTAL)	4170		2.3	19.2219	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	ANTIMONY (TOTAL)	0.71	J	0.37	5.7666	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	ARSENIC (TOTAL)	2.5		0.4	0.9611	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	BARIUM (TOTAL)	24.5		0.34	19.2219	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	BERYLLIUM (TOTAL)	0.18	J	0.038	0.4805	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	CADMIUM (TOTAL)	0.31	J	0.058	0.4805	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	CALCIUM (TOTAL)	204	J	8.4	480.5474	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	CHROMIUM (TOTAL)	6.8		0.11	0.9611	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	COBALT (TOTAL)	1.9	J	0.11	4.8055	mg/Kg		

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mg/Kg = milligram/kilogram
 PG/G = picogram/gram
 ug/Kg = microgram/kilogram

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
3/23/2005	Q42-BP-005 (post)	SW6010B	COPPER (TOTAL)	16.9		0.37	2.4027	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	IRON (TOTAL)	6730		5	9.6109	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	LEAD (TOTAL)	18.2		0.22	0.2883	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	MAGNESIUM (TOTAL)	761		7.9	480.5474	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	MANGANESE (TOTAL)	146		0.22	1.4416	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW7471A	MERCURY (TOTAL)	0.059		0.015	0.0369	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	NICKEL (TOTAL)	3.5	J	0.22	3.8444	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	POTASSIUM (TOTAL)	362	J	11	480.5474	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	SILVER (TOTAL)	0.34	J	0.13	0.9611	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	VANADIUM (TOTAL)	10.3		0.13	4.8055	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW6010B	ZINC (TOTAL)	39		0.25	1.9222	mg/Kg		
3/23/2005	Q42-BP-005 (post)	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	66		7.4	37	µg/Kg		
3/23/2005	Q42-BP-005 (post)	SW8270C	TETRACHLORONAPHTHALENE, (TOTAL)	61		12	37	µg/Kg		
3/23/2005	Q42-BP-005 (post)	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	84		7	37	µg/Kg		
3/23/2005	Q43-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	19		0.052	0.052	PG/G	0.19	
3/23/2005	Q43-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.1	J	0.039	0.039	PG/G	0.021	
3/23/2005	Q43-BP-001 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.23	J	0.04	0.04	PG/G	0.023	
3/23/2005	Q43-BP-001 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.64	J	0.042	0.042	PG/G	0.064	
3/23/2005	Q43-BP-001 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.63	J	0.041	0.041	PG/G	0.063	
3/23/2005	Q43-BP-001 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	0.16	J	0.034	0.034	PG/G	0.08	
3/23/2005	Q43-BP-001 (post)	SW8290	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.12	J	0.032	0.032	PG/G	0.012	
3/23/2005	Q43-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	43		0.052	0.052	PG/G	0.43	
3/23/2005	Q43-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	8	J	0.041	0.041	PG/G	0.08	
3/23/2005	Q43-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	5.4	J	0.041	0.041	PG/G	0.54	
3/23/2005	Q43-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	2.4	J	0.033	0.033	PG/G	0.24	
3/23/2005	Q43-BP-001 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	920		0.12	0.12	PG/G	0.92	
3/23/2005	Q43-BP-001 (post)	SW8290	OCTACHLORODIBENZOFURAN	10	J	0.049	0.049	PG/G	0.01	
3/23/2005	Q43-BP-001 (post)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	0.99	J	0.034	0.034	PG/G	0.495	
3/23/2005	Q43-BP-001 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.4	J	0.028	0.028	PG/G	0.2	
3/23/2005	Q43-BP-001 (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1.2		0.05	0.05	PG/G	1.2	4.568
3/23/2005	Q43-BP-001 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.54	0.54	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW8330	2,4,6-TRINITROTOLUENE	130		8.2	120	µg/Kg		

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
3/23/2005	Q43-BP-001 (post)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	170		8.07	120	µg/Kg		
3/23/2005	Q43-BP-001 (post)	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	20000		33.9	360	µg/Kg		
3/23/2005	Q43-BP-001 (post)	SW8321A	PERCHLORATE	1.3	J	0.36	2.3	µg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	ALUMINUM (TOTAL)	5400		2.6	18.8679	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	ANTIMONY (TOTAL)	0.49	J	0.43	5.6604	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	ARSENIC (TOTAL)	3.5		0.46	0.9434	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	BARIUM (TOTAL)	62.9		0.38	18.8679	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	BERYLLIUM (TOTAL)	0.26	J	0.044	0.4717	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	BORON (TOTAL)	2	J	0.18	9.434	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	CADMIUM (TOTAL)	0.21	J	0.066	0.4717	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	CALCIUM (TOTAL)	229	J	9.6	471.6981	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	CHROMIUM (TOTAL)	7.3		0.12	0.9434	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	COBALT (TOTAL)	3.2	J	0.12	4.717	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	COPPER (TOTAL)	48.1		0.42	2.3585	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	IRON (TOTAL)	7150		5.8	9.434	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	LEAD (TOTAL)	8.4		0.25	0.283	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	MAGNESIUM (TOTAL)	1220		9	471.6981	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	MANGANESE (TOTAL)	144		0.25	1.4151	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW7471A	MERCURY (TOTAL)	0.067		0.018	0.0437	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	NICKEL (TOTAL)	4.6		0.25	3.7736	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	POTASSIUM (TOTAL)	566		12.5	471.6981	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	VANADIUM (TOTAL)	12.8		0.15	4.717	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW6010B	ZINC (TOTAL)	92.9		0.29	1.8868	mg/Kg		
3/23/2005	Q43-BP-001 (post)	SW8270C	DI-N-BUTYL PHTHALATE	520		25.3	380	µg/Kg		
3/23/2005	Q43-BP-001 (post)	SW8270C	N-NITROSODIPHENYLAMINE	52	J	27.1	380	µg/Kg		
4/19/2005	Q43-BP-001 (post)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	130		0.21	0.21	PG/G	1.3	
6/18/2004	Q44-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	16		0.12	0.12	PG/G	0.16	
6/18/2004	Q44-BP-001 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.5	J	0.13	0.13	PG/G	0.15	
6/18/2004	Q44-BP-001 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	2.3	J	0.082	0.082	PG/G	0.23	
6/18/2004	Q44-BP-001 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4.5	J	0.14	0.14	PG/G	0.45	
6/18/2004	Q44-BP-001 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	4.5	J	0.13	0.13	PG/G	0.45	

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
6/18/2004	Q44-BP-001 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.25	J	0.098	0.098	PG/G	0.0125	
6/18/2004	Q44-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	300		0.21	0.21	PG/G	3	
6/18/2004	Q44-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	75		0.13	0.13	PG/G	0.75	
6/18/2004	Q44-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	33		0.13	0.13	PG/G	3.3	
6/18/2004	Q44-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	19		0.093	0.093	PG/G	1.9	
6/18/2004	Q44-BP-001 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	2000		0.24	0.24	PG/G	2	
6/18/2004	Q44-BP-001 (post)	SW8290	OCTACHLORODIBENZOFURAN	110		0.17	0.17	PG/G	0.11	
6/18/2004	Q44-BP-001 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	2.4	J	0.091	0.091	PG/G	1.2	
6/18/2004	Q44-BP-001 (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	2.6	J	0.2	0.2	PG/G	2.6	17.6125
6/18/2004	Q44-BP-001 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.52	0.52	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	750		8.07	120	µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	250		11.3	120	µg/Kg		
6/18/2004	Q44-BP-001 (post)	M8321A	Non-Detect on PERCHLORATE	ND	U	0.9	3.5	µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	ALUMINUM (TOTAL)	8300		3.5	21.45	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	ANTIMONY (TOTAL)	1.6	J	0.36	6.435	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	ARSENIC (TOTAL)	3.1		0.32	1.0725	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	BARIUM (TOTAL)	78.6		0.54	21.45	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.032	0.5363	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	BORON (TOTAL)	6.8	J	0.32	10.725	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	CADMIUM (TOTAL)	0.58		0.064	0.5363	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	CALCIUM (TOTAL)	222	J	14.7	536.2505	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	CHROMIUM (TOTAL)	10.3		0.12	1.0725	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	COBALT (TOTAL)	3	J	0.18	5.3625	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	COPPER (TOTAL)	52.1		0.28	2.6813	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	IRON (TOTAL)	9950		5.1	10.725	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	LEAD (TOTAL)	72.1		0.16	0.3218	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	MAGNESIUM (TOTAL)	1280		15.1	536.2505	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	MANGANESE (TOTAL)	198		0.054	1.6088	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW7471A	MERCURY (TOTAL)	8.7		0.14	0.14	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	MOLYBDENUM (TOTAL)	0.58	J	0.15	1.0725	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	NICKEL (TOTAL)	6.9		0.17	4.29	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	POTASSIUM (TOTAL)	540		21.1	536.2505	mg/Kg		

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
6/18/2004	Q44-BP-001 (post)	SW6010B	SELENIUM (TOTAL)	0.42	J	0.34	0.5363	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	VANADIUM (TOTAL)	14.3		0.17	5.3625	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW6010B	ZINC (TOTAL)	123		0.19	2.145	mg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8270C	1,3-DIETHYL-1,3-DIPHENYL UREA	64	J	32.9	370	µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8270C	CHRYSENE	52	J	29.3	370	µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8270C	DI-N-BUTYL PHTHALATE	340	J	28.5	370	µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8270C	FLUORANTHENE	140	J	81.4	370	µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8270C	FLUORENE	62	J	45.4	370	µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8270C	PHENANTHRENE	150	J	29.6	370	µg/Kg		
6/18/2004	Q44-BP-001 (post)	SW8270C	PYRENE	120	J	84.7	370	µg/Kg		
8/6/2004	Q45-BP-003 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	5.9		0.45	0.45	PG/G	0.059	
8/6/2004	Q45-BP-003 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.44	J	0.25	0.25	PG/G	0.044	
8/6/2004	Q45-BP-003 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	12		0.45	0.45	PG/G	0.12	
8/6/2004	Q45-BP-003 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	2	J	0.31	0.31	PG/G	0.02	
8/6/2004	Q45-BP-003 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	2.5	J	0.26	0.26	PG/G	0.25	
8/6/2004	Q45-BP-003 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	0.55	J	0.18	0.18	PG/G	0.055	
8/6/2004	Q45-BP-003 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	100		0.76	0.76	PG/G	0.1	
8/6/2004	Q45-BP-003 (post)	SW8290	OCTACHLORODIBENZOFURAN	4.3	J	0.63	0.63	PG/G	0.0043	0.6523
8/6/2004	Q45-BP-003 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.52	0.52	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg		
8/6/2004	Q45-BP-003 (post)	M8321A	PERCHLORATE	4.9		0.33	2.1	µg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	ALUMINUM (TOTAL)	1610		3.3	19.9904	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	ANTIMONY (TOTAL)	2.4	J	0.34	5.9971	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	ARSENIC (TOTAL)	1.4		0.3	0.9995	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	BARIUM (TOTAL)	31.2		0.5	19.9904	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	BERYLLIUM (TOTAL)	0.21	J	0.03	0.4998	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	CADMIUM (TOTAL)	0.062	J	0.06	0.4998	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	CALCIUM (TOTAL)	98.5	J	13.7	499.7601	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	CHROMIUM (TOTAL)	2.4		0.11	0.9995	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	COBALT (TOTAL)	1.4	J	0.17	4.9976	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	COPPER (TOTAL)	5.8		0.26	2.4988	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	IRON (TOTAL)	3160		4.8	9.9952	mg/Kg		

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APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
8/6/2004	Q45-BP-003 (post)	SW6010B	LEAD (TOTAL)	5		0.15	0.2999	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	MAGNESIUM (TOTAL)	362	J	14.1	499.7601	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	MANGANESE (TOTAL)	63.6		0.05	1.4993	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	MOLYBDENUM (TOTAL)	0.54	J	0.14	0.9995	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	NICKEL (TOTAL)	1.4	J	0.16	3.9981	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW7471A	Non-Detect on MERCURY (TOTAL)	ND	U	0.014	0.0347	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	POTASSIUM (TOTAL)	164	J	19.6	499.7601	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	VANADIUM (TOTAL)	4.1	J	0.16	4.9976	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW6010B	ZINC (TOTAL)	11.3		0.18	1.999	mg/Kg		
8/6/2004	Q45-BP-003 (post)	SW8270C	Non-Detect on all 86 analytes	ND	U			µg/Kg		
11/10/2004	Q45-BP-004 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	66		0.23	0.23	PG/G	0.66	
11/10/2004	Q45-BP-004 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.35	J	0.099	0.099	PG/G	0.0035	
11/10/2004	Q45-BP-004 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.52	J	0.14	0.14	PG/G	0.052	
11/10/2004	Q45-BP-004 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.8	J	0.17	0.17	PG/G	0.18	
11/10/2004	Q45-BP-004 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	2.9	J	0.14	0.14	PG/G	0.29	
11/10/2004	Q45-BP-004 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	140		0.23	0.23	PG/G	1.4	
11/10/2004	Q45-BP-004 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	0.75	J	0.11	0.11	PG/G	0.0075	
11/10/2004	Q45-BP-004 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	24		0.15	0.15	PG/G	2.4	
11/10/2004	Q45-BP-004 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	2600		0.37	0.37	PG/G	2.6	
11/10/2004	Q45-BP-004 (post)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	0.28	J	0.12	0.12	PG/G	0.14	7.733
11/10/2004	Q45-BP-004 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.49	0.49	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW1010	IGNITABILITY	0		0	70	DEGREES		
11/10/2004	Q45-BP-004 (post)	SW9045	PH	6.6		0	0	PH UNITS		
11/10/2004	Q45-BP-004 (post)	SW9034	Non-Detect on SULFIDE	ND	U	5.17	8.5	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	760		11.3	120	µg/Kg		
11/10/2004	Q45-BP-004 (post)	M8321A	PERCHLORATE	0.99	J	0.33	2.1	µg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	ALUMINUM (TOTAL)	6050		3.3	19.2591	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	ANTIMONY (TOTAL)	0.49	J	0.4	5.7777	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	ARSENIC (TOTAL)	3		0.3	0.963	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	BARIUM (TOTAL)	14	J	1.1	19.2591	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	BERYLLIUM (TOTAL)	0.24	J	0.029	0.4815	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	BORON (TOTAL)	5.9	J	0.66	9.6296	mg/Kg		

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Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
11/10/2004	Q45-BP-004 (post)	SW6010B	CADMIUM (TOTAL)	0.15	J	0.048	0.4815	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	CALCIUM (TOTAL)	154	J	22.4	481.4776	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	CHROMIUM (TOTAL)	8.8		0.11	0.963	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	COBALT (TOTAL)	3.6	J	0.3	4.8148	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	COPPER (TOTAL)	6.5		0.25	2.4074	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	IRON (TOTAL)	9210		3.4	9.6296	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	LEAD (TOTAL)	5.4		0.12	0.2889	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	MAGNESIUM (TOTAL)	1480		23.3	481.4776	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	MANGANESE (TOTAL)	113		0.096	1.4444	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	MOLYBDENUM (TOTAL)	0.62		0.19	0.963	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	NICKEL (TOTAL)	5.9		0.28	3.8518	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW7471A	Non-Detect on MERCURY (TOTAL)	ND	U	0.018	0.0421	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	POTASSIUM (TOTAL)	535		46.6	481.4776	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	VANADIUM (TOTAL)	13.5		0.29	4.8148	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW6010B	ZINC (TOTAL)	18.9		0.18	1.9259	mg/Kg		
11/10/2004	Q45-BP-004 (post)	SW8270C	Non-Detect on all 86 analytes	ND	U			µg/Kg		
6/21/2004	Q56-BP-002 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	40		0.22	0.22	PG/G	0.4	
6/21/2004	Q56-BP-002 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	2.6	J	0.099	0.099	PG/G	0.026	
6/21/2004	Q56-BP-002 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	4	J	0.14	0.14	PG/G	0.4	
6/21/2004	Q56-BP-002 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	3.6	J	0.13	0.13	PG/G	0.36	
6/21/2004	Q56-BP-002 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	2	J	0.11	0.11	PG/G	1	
6/21/2004	Q56-BP-002 (post)	SW8290	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.22	J	0.074	0.074	PG/G	0.011	
6/21/2004	Q56-BP-002 (post)	SW8290	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	1	J	0.18	0.18	PG/G	1	
6/21/2004	Q56-BP-002 (post)	SW8290	2,3,7,8-TETRACHLORODIBENZOFURAN	0.32	J	0.12	0.12	PG/G	0.032	
6/21/2004	Q56-BP-002 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	83		0.22	0.22	PG/G	0.83	
6/21/2004	Q56-BP-002 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	8	J	0.11	0.11	PG/G	0.08	
6/21/2004	Q56-BP-002 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	38		0.14	0.14	PG/G	3.8	
6/21/2004	Q56-BP-002 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	330		0.19	0.19	PG/G	0.33	
6/21/2004	Q56-BP-002 (post)	SW8290	OCTACHLORODIBENZOFURAN	13		0.19	0.19	PG/G	0.013	
6/21/2004	Q56-BP-002 (post)	SW8290	PENTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	7.5	J	0.11	0.11	PG/G	3.75	
6/21/2004	Q56-BP-002 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	0.73	J	0.067	0.067	PG/G	0.365	
6/21/2004	Q56-BP-002 (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	9.6		0.18	0.18	PG/G	9.6	21.997

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APPENDIX C-4
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Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
6/21/2004	Q56-BP-002 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.54	0.54	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW8330	Non-Detect on all 19 analytes	ND	U			µg/Kg		
6/21/2004	Q56-BP-002 (post)	M8321A	Non-Detect on PERCHLORATE	ND	U	0.84	3.3	µg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	ALUMINUM (TOTAL)	6290		3.5	21.2026	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	ANTIMONY (TOTAL)	5.3	J	0.36	6.3608	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	ARSENIC (TOTAL)	3.2		0.32	1.0601	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	BARIUM (TOTAL)	409		0.53	21.2026	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	BERYLLIUM (TOTAL)	0.42	J	0.032	0.5301	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	BORON (TOTAL)	6.4	J	0.32	10.6013	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	CADMIUM (TOTAL)	1.4		0.064	0.5301	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	CALCIUM (TOTAL)	237	J	14.5	530.0653	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	CHROMIUM (TOTAL)	10.6		0.12	1.0601	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	COBALT (TOTAL)	4	J	0.18	5.3007	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	COPPER (TOTAL)	45.1		0.28	2.6503	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	IRON (TOTAL)	10000		5.1	10.6013	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	LEAD (TOTAL)	52.1		0.16	0.318	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	MAGNESIUM (TOTAL)	1920		14.9	530.0653	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	MANGANESE (TOTAL)	181		0.053	1.5902	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW7470A	MERCURY (TOTAL)	0.038		0.017	0.0401	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	MOLYBDENUM (TOTAL)	0.67	J	0.15	1.0601	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	NICKEL (TOTAL)	6.6		0.17	4.2405	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	POTASSIUM (TOTAL)	793		20.8	530.0653	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	SILVER (TOTAL)	0.41	J	0.22	1.0601	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	VANADIUM (TOTAL)	13		0.17	5.3007	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW6010B	ZINC (TOTAL)	115		0.19	2.1203	mg/Kg		
6/21/2004	Q56-BP-002 (post)	SW8270C	2-METHYLNAPHTHALENE	63	J	31.9	360	µg/Kg		
6/21/2004	Q56-BP-002 (post)	SW8270C	CHRYSENE	37	J	28.7	360	µg/Kg		
6/21/2004	Q56-BP-002 (post)	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	73		7.3	36	µg/Kg		
6/21/2004	Q56-BP-002 (post)	SW8270C	FLUORANTHENE	98	J	79.7	360	µg/Kg		
6/21/2004	Q56-BP-002 (post)	SW8270C	HEXACHLOROBENZENE	140	J	28.4	360	µg/Kg		
6/21/2004	Q56-BP-002 (post)	SW8270C	PHENANTHRENE	59	J	29	360	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	27		0.25	0.25	PG/G	0.27	

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Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
6/14/2004	Q57-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	3.7	J	0.12	0.12	PG/G	0.037	
6/14/2004	Q57-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	110		0.25	0.25	PG/G	1.1	
6/14/2004	Q57-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	14		0.14	0.14	PG/G	0.14	
6/14/2004	Q57-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	8.9	J	0.15	0.15	PG/G	0.89	
6/14/2004	Q57-BP-001 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	550		0.33	0.33	PG/G	0.55	
6/14/2004	Q57-BP-001 (post)	SW8290	OCTACHLORODIBENZOFURAN	19		0.18	0.18	PG/G	0.019	3.006
6/14/2004	Q57-BP-001 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.51	0.51	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	300		8.07	120	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8330	OCTAHYDRO-1,3,5,7-TETRAZOCINE	550		11.3	120	µg/Kg		
6/14/2004	Q57-BP-001 (post)	M8321A	PERCHLORATE	11		0.88	3.4	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	ALUMINUM (TOTAL)	5610		3.2	19.2382	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	ANTIMONY (TOTAL)	2.4	J	0.33	5.7715	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	ARSENIC (TOTAL)	2.8		0.29	0.9619	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	BARIUM (TOTAL)	28.6		0.48	19.2382	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	BERYLLIUM (TOTAL)	0.23	J	0.029	0.481	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	BORON (TOTAL)	8.2	J	0.29	9.6191	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	CADMIUM (TOTAL)	1.1		0.058	0.481	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	CALCIUM (TOTAL)	303	J	13.2	480.9542	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	CHROMIUM (TOTAL)	42.3		0.11	0.9619	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	COBALT (TOTAL)	4.3	J	0.16	4.8095	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	COPPER (TOTAL)	57		0.25	2.4048	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	IRON (TOTAL)	13900		4.6	9.6191	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	LEAD (TOTAL)	382		0.14	0.2886	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	MAGNESIUM (TOTAL)	958		13.5	480.9542	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	MANGANESE (TOTAL)	172		0.048	1.4429	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW7470A	MERCURY (TOTAL)	0.11		0.018	0.0442	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	MOLYBDENUM (TOTAL)	1		0.13	0.9619	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	NICKEL (TOTAL)	5.6		0.15	3.8476	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	POTASSIUM (TOTAL)	378	J	18.9	480.9542	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	SILVER (TOTAL)	3.8		0.2	0.9619	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	VANADIUM (TOTAL)	10.5		0.15	4.8095	mg/Kg		
6/14/2004	Q57-BP-001 (post)	SW6010B	ZINC (TOTAL)	85.6		0.17	1.9238	mg/Kg		

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Demolition Area 1 Source Area COWR

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6/14/2004	Q57-BP-001 (post)	SW8270C	BENZO(A)ANTHRACENE	50	J	34.1	370	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8270C	BENZO(A)PYRENE	44	J	38.1	370	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8270C	BENZO(B)FLUORANTHENE	63	J	61.1	370	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8270C	BENZO(K)FLUORANTHENE	61	J	42.3	370	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8270C	CHRYSENE	69	J	28.8	370	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8270C	DI-N-BUTYL PHTHALATE	180	J	28	370	µg/Kg		
6/14/2004	Q57-BP-001 (post)	SW8270C	N-NITROSODIPHENYLAMINE	61	J	30	370	µg/Kg		
6/14/2004	Q70-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	40		0.42	0.42	PG/G	0.4	
6/14/2004	Q70-BP-001 (post)	SW8290	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	5.5		0.18	0.18	PG/G	0.055	
6/14/2004	Q70-BP-001 (post)	SW8290	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.77	J	0.23	0.23	PG/G	0.0077	
6/14/2004	Q70-BP-001 (post)	SW8290	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.67	J	0.19	0.19	PG/G	0.067	
6/14/2004	Q70-BP-001 (post)	SW8290	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	1.6	J	0.22	0.22	PG/G	0.16	
6/14/2004	Q70-BP-001 (post)	SW8290	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	1.4	J	0.19	0.19	PG/G	0.14	
6/14/2004	Q70-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	83		0.42	0.42	PG/G	0.83	
6/14/2004	Q70-BP-001 (post)	SW8290	HEPTACHLORINATED DIBENZOFURANS, (TOTAL)	20	J	0.2	0.2	PG/G	0.2	
6/14/2004	Q70-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	11	J	0.2	0.2	PG/G	1.1	
6/14/2004	Q70-BP-001 (post)	SW8290	HEXACHLORINATED DIBENZOFURANS, (TOTAL)	6.3	J	0.13	0.13	PG/G	0.63	
6/14/2004	Q70-BP-001 (post)	SW8290	OCTACHLORODIBENZO-P-DIOXIN	750		0.5	0.5	PG/G	0.75	
6/14/2004	Q70-BP-001 (post)	SW8290	OCTACHLORODIBENZOFURAN	29		0.36	0.36	PG/G	0.029	
6/14/2004	Q70-BP-001 (post)	SW8290	PENTACHLORINATED DIBENZOFURANS, (TOTAL)	1.6	J	0.1	0.1	PG/G	0.8	
6/14/2004	Q70-BP-001 (post)	SW8290	TETRACHLORINATED DIBENZO-P-DIOXINS, (TOTAL)	1		0.28	0.28	PG/G	1	6.1687
6/14/2004	Q70-BP-001 (post)	SW9012A	Non-Detect on CYANIDE	ND	U	0.48	0.48	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		8.07	120	µg/Kg		
6/14/2004	Q70-BP-001 (post)	M8321A	PERCHLORATE	0.94	J	0.78	3	µg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	ALUMINUM (TOTAL)	2960		3	18.1475	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	ANTIMONY (TOTAL)	0.41	J	0.31	5.4443	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	ARSENIC (TOTAL)	1.8		0.27	0.9074	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	BARIUM (TOTAL)	14.2	J	0.45	18.1475	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	BERYLLIUM (TOTAL)	0.22	J	0.027	0.4537	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	BORON (TOTAL)	3.3	J	0.27	9.0738	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	CADMIUM (TOTAL)	0.23	J	0.054	0.4537	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	CALCIUM (TOTAL)	103	J	12.4	453.6876	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	CHROMIUM (TOTAL)	4.9		0.1	0.9074	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	COBALT (TOTAL)	2.2	J	0.15	4.5369	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	COPPER (TOTAL)	19.3		0.24	2.2684	mg/Kg		

DL= Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

mg/Kg = milligram/kilogram
 PG/G = picogram/gram
 ug/Kg = microgram/kilogram

ECC

APPENDIX C-4
Burn Pit Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units	TEQ	TEQ (total)
6/14/2004	Q70-BP-001 (post)	SW6010B	IRON (TOTAL)	5350		4.3	9.0738	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	LEAD (TOTAL)	15		0.14	0.2722	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	MAGNESIUM (TOTAL)	746		12.8	453.6876	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	MANGANESE (TOTAL)	114		0.045	1.3611	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW7470A	MERCURY (TOTAL)	0.11		0.013	0.0313	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	MOLYBDENUM (TOTAL)	0.74	J	0.13	0.9074	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	NICKEL (TOTAL)	3.2	J	0.15	3.6295	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	POTASSIUM (TOTAL)	291	J	17.8	453.6876	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	VANADIUM (TOTAL)	7.5		0.15	4.5369	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW6010B	ZINC (TOTAL)	29.3		0.16	1.8148	mg/Kg		
6/14/2004	Q70-BP-001 (post)	SW8270C	Non-Detect on all 86 analytes	ND	U			µg/Kg		

DL = Detection Limit
RL = Reporting Limit
J = Estimated
ND = Non Detect
U = Undetected

mg/Kg = milligram/kilogram
PG/G = picogram/gram
ug/Kg = microgram/kilogram

ECC

APPENDIX C-5 Waste Characterization Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Matrix	Analyte	Result	Qual	DL	RL	Units
ECCRO01	5/6/2004	Q42 COMPOSITE	SW8330	ST	2,4,6-TRINITROTOLUENE	400		16.4	240	ug/Kg
ECCRO01	5/6/2004	Q42 COMPOSITE	SW8330	ST	2-AMINO-4,6-DINITROTOLUENE	170		18.1	120	ug/Kg
ECCRO01	5/6/2004	Q42 COMPOSITE	SW8330	ST	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		16.1	120	ug/Kg
ECCRO01	5/6/2004	Q42 COMPOSITE	SW8330	ST	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	18000		22.6	240	ug/Kg
ECCRO03	8/17/2004	Q45/56 rolloff	SW6010B	ST	BARIUM (TOTAL)	2360		5	200	ug/L
ECCRO03	8/17/2004	Q45/56 rolloff	SW6010B	ST	CADMIUM (TOTAL)	26.3		0.6	5	ug/L
ECCRO03	8/17/2004	Q45/56 rolloff	SW6010B	ST	CHROMIUM (TOTAL)	2.8	J	1.1	10	ug/L
ECCRO03	8/17/2004	Q45/56 rolloff	SW6010B	ST	LEAD (TOTAL)	14100		1.5	3	ug/L
ECCRO03	8/17/2004	Q45/56 rolloff	SW7470A	ST	Non-Detect on MERCURY (TOTAL)	ND	U	10	10	ug/L
ECCRO03	8/17/2004	Q45/56 rolloff	SW6010B	ST	SELENIUM (TOTAL)	5.3		3.2	5	ug/L
ECCRO03	8/17/2004	Q45/56 rolloff	SW8270C	ST	Non-Detect on all 12 analytes	ND	U			ug/L
SSD1042	3/7/2005	Q42-BP-005	SW9012A	ST	Non-Detect on CYANIDE	ND	U	0.58	0.5828	mg/Kg
SSD1042	3/7/2005	Q42-BP-005	SW1010	ST	IGNITABILITY	0		0.1	70	DEGREES
SSD1042	3/7/2005	Q42-BP-005	SW9045	ST	PH	7.1		0.1	0.1	PH UNITS
SSD1042	3/7/2005	Q42-BP-005	SW9034	ST	Non-Detect on SULFIDE	ND	U	5.54	9.3	mg/Kg
SSD1042	3/7/2005	Q42-BP-005	SW6010B	ST	ARSENIC (TOTAL)	3.8		0.45	1.0668	mg/Kg
SSD1042	3/7/2005	Q42-BP-005	SW6010B	ST	BARIUM (TOTAL)	35.3		0.37	21.3356	mg/Kg
SSD1042	3/7/2005	Q42-BP-005	SW6010B	ST	CADMIUM (TOTAL)	0.16	J	0.064	0.5334	mg/Kg
SSD1042	3/7/2005	Q42-BP-005	SW6010B	ST	CHROMIUM (TOTAL)	7.8		0.12	1.0668	mg/Kg
SSD1042	3/7/2005	Q42-BP-005	SW6010B	ST	LEAD (TOTAL)	16.9		0.25	0.32	mg/Kg
SSD1042	3/7/2005	Q42-BP-005	SW7471A	ST	MERCURY (TOTAL)	0.046		0.017	0.0411	mg/Kg
SSD1042	3/7/2005	Q42-BP-005	SW8082	ST	Non-Detect on all 7 analytes	ND	U			ug/Kg
SSD1042	3/7/2005	Q42-BP-005	SW8270C	ST	Non-Detect on all 78 analytes	ND	U			ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	1,3-DINITROBENZENE	ND	U	30	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	2,4,6-TRINITROTOLUENE	ND	U	14	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	2,4-DIAMINO-6-NITROTOLUENE	ND	U	14	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	2,4-DINITROTOLUENE	ND	U	30	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	2,6-DIAMINO-4-NITROTOLUENE	ND	U	19	250	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/L = microgram/Liter

ug/Kg = microgram/kilogram

ECC

APPENDIX C-5 Waste Characterization Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Matrix	Analyte	Result	Qual	DL	RL	Units
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	2,6-DINITROTOLUENE	ND	U	18	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	2-NITROTOLUENE	ND	U	13	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	3-NITROTOLUENE	ND	U	13	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	4-AMINO-2,6-DINITROTOLUENE	ND	U	18	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	4-NITROTOLUENE	ND	U	13	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	ND	U	15	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	NITROBENZENE	ND	U	13	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	NITROGLYCERIN	ND	U	610	2500	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	10	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	PENTAERYTHRITOL TETRANITRATE	ND	U	1300	5000	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	PICRIC ACID	ND	U	24	120	ug/Kg
SSD1PB041	7/1/2005	Q41PBSTP_070105	SW8330	SO	TETRYL	ND	U	18	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	1,3,5-TRINITROBENZENE	ND	U	14	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	1,3-DINITROBENZENE	ND	U	30	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	2,4,6-TRINITROTOLUENE	ND	U	14	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	2,4-DIAMINO-6-NITROTOLUENE	ND	U	14	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	2,4-DINITROTOLUENE	ND	U	30	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	2,6-DIAMINO-4-NITROTOLUENE	ND	U	19	250	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	2,6-DINITROTOLUENE	ND	U	18	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	2-AMINO-4,6-DINITROTOLUENE	ND	U	16	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	2-NITROTOLUENE	ND	U	13	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	3-NITROTOLUENE	ND	U	13	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	4-AMINO-2,6-DINITROTOLUENE	ND	U	18	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	4-NITROTOLUENE	ND	U	13	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	140		15	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	NITROBENZENE	ND	U	13	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	NITROGLYCERIN	ND	U	610	2500	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	ND	U	10	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	PENTAERYTHRITOL TETRANITRATE	ND	U	1300	5000	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/L = microgram/Liter

ug/Kg = microgram/kilogram

ECC

APPENDIX C-5 Waste Characterization Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Matrix	Analyte	Result	Qual	DL	RL	Units
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	PICRIC ACID	ND	U	24	120	ug/Kg
SSD1PB022	7/1/2005	Q22PBSTP_070105	SW8330	SO	TETRYL	ND	U	18	120	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW9012A	SO	CYANIDE	ND	U	0.56	0.56	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	D2216	SO	MOISTURE, PERCENT	19		0		PERCENT
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW1010	SO	IGNITABILITY	0		0	70	DEGREES
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW9045	SO	PH	5.5		0	0	PH UNITS
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW9034	SO	SULFIDE	ND	U	5.83	9.6	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW6010B	SO	ARSENIC (TOTAL)	2.9		0.43	1.014	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW6010B	SO	BARIUM (TOTAL)	17.9	J	0.35	20.2809	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW6010B	SO	CADMIUM (TOTAL)	0.41	J	0.061	0.507	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW6010B	SO	CHROMIUM (TOTAL)	8.5		0.11	1.014	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW6010B	SO	LEAD (TOTAL)	16.9		0.23	0.3042	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW7471A	SO	MERCURY (TOTAL)	0.24		0.017	0.0531	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW6010B	SO	SELENIUM (TOTAL)	ND	U	0.5	0.507	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW6010B	SO	SILVER (TOTAL)	ND	U	0.14	1.014	mg/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8082	SO	PCB-1016 (AROCHLOR 1016)	ND	U	3.87	21	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8082	SO	PCB-1221 (AROCHLOR 1221)	ND	U	3.87	21	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8082	SO	PCB-1232 (AROCHLOR 1232)	ND	U	3.87	21	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8082	SO	PCB-1242 (AROCHLOR 1242)	ND	U	3.87	21	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8082	SO	PCB-1248 (AROCHLOR 1248)	ND	U	3.41	21	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8082	SO	PCB-1254 (AROCHLOR 1254)	ND	U	3.41	21	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8082	SO	PCB-1260 (AROCHLOR 1260)	ND	U	3.41	21	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	1,2,4-TRICHLOROBENZENE	ND	U	30.2	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	1,2-DICHLOROBENZENE	ND	U	38.5	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	1,3-DICHLOROBENZENE	ND	U	38	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	1,3-DIETHYL-1,3-DIPHENYL UREA	ND	U	43.4	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	1,4-DICHLOROBENZENE	ND	U	25.9	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2,2'-OXYBIS(1-CHLORO)PROPANE	ND	U	16.6	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2,4,5-TRICHLOROPHENOL	ND	U	126	1000	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/L = microgram/Liter

ug/Kg = microgram/kilogram

ECC

APPENDIX C-5 Waste Characterization Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Matrix	Analyte	Result	Qual	DL	RL	Units
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2,4,6-TRICHLOROPHENOL	ND	U	114	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2,4-DICHLOROPHENOL	ND	U	42	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2,4-DIMETHYLPHENOL	ND	U	63.6	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2,4-DINITROPHENOL	ND	U	120	1000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2,4-DINITROTOLUENE	ND	U	76.6	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2,6-DINITROTOLUENE	ND	U	55.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-CHLOROBENZALDEHYDE	ND	U	37.7	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-CHLOROBENZOIC ACID	ND	U	130	2000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-CHLORONAPHTHALENE	ND	U	34	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-CHLOROPHENOL	ND	U	35.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-METHYL-3-NITROANILINE (3-NITRO-O-TOLUIDINE)	ND	U	33.7	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-METHYL-5-NITROANILINE (5-NITRO-O-TOLUIDINE)	ND	U	48.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-METHYLNAPHTHALENE	ND	U	35.5	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-METHYLPHENOL (O-CRESOL)	ND	U	45	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-NITROANILINE	ND	U	161	1000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-NITRODIPHENYLAMINE	ND	U	29.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	2-NITROPHENOL	ND	U	47.5	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	3,3'-DICHLOROBENZIDINE	ND	U	221	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	3,5-DINITROANILINE	ND	U	32.1	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	3-CHLOROBENZALDEHYDE	ND	U	35.7	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	3-NITROANILINE	ND	U	110	1000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4,6-DINITRO-2-METHYLPHENOL	ND	U	144	1000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4-BROMOPHENYL PHENYL ETHER	ND	U	33.1	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4-CHLORO-3-METHYLPHENOL	ND	U	70.9	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4-CHLOROANILINE	ND	U	89.2	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4-CHLOROBENZALDEHYDE	ND	U	44.3	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4-CHLOROPHENYL PHENYL ETHER	ND	U	56	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4-METHYLPHENOL (P-CRESOL)	ND	U	99.1	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4-NITROANILINE	ND	U	296	1000	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/L = microgram/Liter

ug/Kg = microgram/kilogram

ECC

APPENDIX C-5 Waste Characterization Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Matrix	Analyte	Result	Qual	DL	RL	Units
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	4-NITROPHENOL	ND	U	298	1000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	ACENAPHTHENE	ND	U	38.9	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	ACENAPHTHYLENE	ND	U	25	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	ANILINE (PHENYLAMINE, AMINO BENZENE)	ND	U	27.7	1000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	ANTHRACENE	ND	U	33.7	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BENZO(A)ANTHRACENE	47	J	37.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BENZO(A)PYRENE	ND	U	42.2	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BENZO(B)FLUORANTHENE	ND	U	67.7	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BENZO(G,H,I)PERYLENE	ND	U	57.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BENZO(K)FLUORANTHENE	63	J	46.9	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BENZOIC ACID	ND	U	151	1000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BENZYL ALCOHOL	ND	U	63.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BENZYL BUTYL PHTHALATE	ND	U	74.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BIS(2-CHLOROETHOXY) METHANE	ND	U	33.4	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BIS(2-CHLOROETHYL) ETHER (2-CHLOROETHYL ETHER)	ND	U	25.5	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	BIS(2-ETHYLHEXYL) PHTHALATE	ND	U	113	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	CARBAZOLE	ND	U	96.8	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	CHRYSENE	75	J	31.9	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	DI-N-BUTYL PHTHALATE	ND	U	31	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	DI-N-OCTYL PHTHALATE	ND	U	50.4	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	DIBENZ(A,H)ANTHRACENE	ND	U	81	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	DIBENZOFURAN	ND	U	44.2	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	DIETHYL PHTHALATE	ND	U	53.9	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	DIMETHYL PHTHALATE	ND	U	53.6	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	DIPROPYL ADIPATE	ND	U	37.3	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	FLUORANTHENE	ND	U	88.7	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	FLUORENE	ND	U	49.4	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	HEXACHLORO BENZENE	ND	U	31.7	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	HEXACHLOROBUTADIENE	ND	U	24.7	410	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/L = microgram/Liter

ug/Kg = microgram/kilogram

ECC

APPENDIX C-5
Waste Characterization Results

Demolition Area 1 Source Area COWR

Location	Date	Sample ID	Test	Matrix	Analyte	Result	Qual	DL	RL	Units
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	HEXACHLOROCYCLOPENTADIENE	ND	U	43.4	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	HEXACHLOROETHANE	ND	U	35.2	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	INDENO(1,2,3-C,D)PYRENE	ND	U	79.1	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	ISOPHORONE	ND	U	39.9	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	N-NITROSODI-N-PROPYLAMINE	ND	U	44.3	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	N-NITROSODIMETHYLAMINE	ND	U	35.6	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	N-NITROSODIPHENYLAMINE	ND	U	33.3	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	NAPHTHALENE	ND	U	36.6	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	NITROBENZENE	ND	U	36.4	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	PENTACHLOROPHENOL	ND	U	50.6	1000	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	PHENANTHRENE	ND	U	32.3	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	PHENOL	ND	U	47.9	410	ug/Kg
ECCSSD1_WC	3/2/2005	ECCSSD1_030205	SW8270C	SO	PYRENE	ND	U	92.3	410	ug/Kg
SS90-A	7/3/2003	#7AA	SW6010B	SO	LEAD (TOTAL)	266		0.14	0.14	mg/Kg
SS90-A	7/3/2003	#7AA	SW131/ SW6010B	SO	LEAD (TCLP)	7360		1.3	1.3	ug/L
SS90-A	7/3/2003	#7AA	SW7471A	SO	MERCURY (TOTAL)	1.2		0.02	0.02	mg/Kg
SS90-A	7/3/2003	#7BA	SW6010B	SO	LEAD (TOTAL)	354		0.17	0.17	mg/Kg
SS90-A	7/3/2003	#7BA	SW131/ SW6010B	SO	LEAD (TCLP)	3920		1.3	1.3	ug/L
SS90-A	7/3/2003	#7BA	SW7471A	SO	MERCURY (TOTAL)	0.09		0.018	0.018	mg/Kg
SS90-A	7/3/2003	#7CA	SW6010B	SO	LEAD (TOTAL)	111		0.15	0.15	mg/Kg
SS90-A	7/3/2003	#7CA	SW131/ SW6010B	SO	LEAD (TCLP)	302		1.3	1.3	ug/L
SS90-A	7/3/2003	#7CA	SW7471A	SO	MERCURY (TOTAL)	0.24		0.017	0.017	mg/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/L = microgram/Liter

ug/Kg = microgram/kilogram

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC070803DM01(pre)	16	7/25/2003	SW9010	Non-Detect on CYANIDE	ND	U	0.67	0.67	mg/Kg	100	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	ALUMINUM (TOTAL)	4770		1.9	1.9	mg/Kg		
ECC070803DM01(pre)	16	7/25/2003	SW6010B	ANTIMONY (TOTAL)	0.72		0.4	0.4	mg/Kg	10	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	ARSENIC (TOTAL)	3.4		0.25	0.25	mg/Kg	30	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	BARIUM (TOTAL)	48.2		0.77	0.77	mg/Kg	1000	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	BERYLLIUM (TOTAL)	0.15		0.0211	0.0211	mg/Kg	0.7	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	BORON (TOTAL)	4.7		0.49	0.49	mg/Kg		
ECC070803DM01(pre)	16	7/25/2003	SW6010B	CADMIUM (TOTAL)	2		0.032	0.032	mg/Kg	30	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	CALCIUM (TOTAL)	910		23.6	23.6	mg/Kg		
ECC070803DM01(pre)	16	7/25/2003	SW6010B	CHROMIUM (TOTAL)	6.1		0.063	0.063	mg/Kg	1000	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	COBALT (TOTAL)	1.3		0.19	0.19	mg/Kg	500	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	COPPER (TOTAL)	14.5		0.15	0.15	mg/Kg	1000	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	IRON (TOTAL)	7290		1.8	1.8	mg/Kg		
ECC070803DM01(pre)	16	7/25/2003	SW6010B	LEAD (TOTAL)	86.6		0.16	0.16	mg/Kg	300	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	MAGNESIUM (TOTAL)	385		19.2	19.2	mg/Kg		
ECC070803DM01(pre)	16	7/25/2003	SW6010B	MANGANESE (TOTAL)	45.2		0.074	0.074	mg/Kg		
ECC070803DM01(pre)	16	7/25/2003	SW7471	MERCURY (TOTAL)	0.19		0.023	0.023	mg/Kg	20	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	NICKEL (TOTAL)	6.4		0.21	0.21	mg/Kg	300	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	POTASSIUM (TOTAL)	539		26.4	26.4	mg/Kg		
ECC070803DM01(pre)	16	7/25/2003	SW6010B	SELENIUM (TOTAL)	1.3		0.18	0.18	mg/Kg	400	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	SILVER (TOTAL)	0.13		0.095	0.095	mg/Kg	100	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	VANADIUM (TOTAL)	31.8		0.23	0.23	mg/Kg	400	
ECC070803DM01(pre)	16	7/25/2003	SW6010B	ZINC (TOTAL)	22.7		0.6	0.6	mg/Kg	2500	
ECC082103DM03 (pre)	19	8/29/2003	SW9010	Non-Detect on CYANIDE	ND	U	0.6	0.6	mg/Kg	100	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	ALUMINUM (TOTAL)	14800		3	3	mg/Kg		
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	ANTIMONY (TOTAL)	1.1		0.59	0.59	mg/Kg	10	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	ARSENIC (TOTAL)	5.5		0.61	0.61	mg/Kg	30	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	BARIUM (TOTAL)	20.3		0.75	0.75	mg/Kg	1000	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	BERYLLIUM (TOTAL)	0.26		0.025	0.025	mg/Kg	0.7	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	BORON (TOTAL)	3.9		0.61	0.61	mg/Kg		
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	CADMIUM (TOTAL)	0.63		0.076	0.076	mg/Kg	30	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	CALCIUM (TOTAL)	248		23	23	mg/Kg		
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	CHROMIUM (TOTAL)	14.7		0.18	0.18	mg/Kg	1000	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	COBALT (TOTAL)	2.2		0.25	0.25	mg/Kg	500	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	COPPER (TOTAL)	6.4		0.3	0.3	mg/Kg	1000	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	IRON (TOTAL)	16700		4.2	4.2	mg/Kg		
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	LEAD (TOTAL)	16.9		0.16	0.16	mg/Kg	300	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	MAGNESIUM (TOTAL)	838		22.5	22.5	mg/Kg		
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	MANGANESE (TOTAL)	51.1		0.088	0.088	mg/Kg		
ECC082103DM03 (pre)	19	8/29/2003	SW7470A	MERCURY (TOTAL)	0.076		0.02	0.02	mg/Kg	20	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)	1.6		0.21	0.21	mg/Kg		
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	NICKEL (TOTAL)	4.8		0.27	0.27	mg/Kg	300	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	POTASSIUM (TOTAL)	431		49.7	49.7	mg/Kg		
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	SELENIUM (TOTAL)	0.69		0.43	0.43	mg/Kg	400	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	VANADIUM (TOTAL)	29.5		0.25	0.25	mg/Kg	400	
ECC082103DM03 (pre)	19	8/29/2003	SW6010B	ZINC (TOTAL)	17.2		0.13	0.13	mg/Kg	2500	
ECC082503DM01 (pre)	20	8/29/2003	SW9010	Non-Detect on CYANIDE	ND	U	0.58	0.58	mg/Kg	100	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	ALUMINUM (TOTAL)	8740		3	3	mg/Kg		
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	ANTIMONY (TOTAL)	1.2		0.6	0.6	mg/Kg	10	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	ARSENIC (TOTAL)	4.6		0.62	0.62	mg/Kg	30	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	BARIUM (TOTAL)	20.2		0.76	0.76	mg/Kg	1000	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	BERYLLIUM (TOTAL)	0.25		0.026	0.026	mg/Kg	0.7	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	BORON (TOTAL)	3.8		0.62	0.62	mg/Kg		
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	CADMIUM (TOTAL)	0.32		0.077	0.077	mg/Kg	30	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	CALCIUM (TOTAL)	308		23.3	23.3	mg/Kg		
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	CHROMIUM (TOTAL)	10.5		0.18	0.18	mg/Kg	1000	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	COBALT (TOTAL)	2		0.26	0.26	mg/Kg	500	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	COPPER (TOTAL)	21.8		0.31	0.31	mg/Kg	1000	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	IRON (TOTAL)	13400		4.3	4.3	mg/Kg		
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	LEAD (TOTAL)	26.8		0.17	0.17	mg/Kg	300	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	MAGNESIUM (TOTAL)	820		22.9	22.9	mg/Kg		
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	MANGANESE (TOTAL)	60.9		0.09	0.09	mg/Kg		
ECC082503DM01 (pre)	20	8/29/2003	SW7470A	MERCURY (TOTAL)	1.5		0.019	0.019	mg/Kg	20	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)	0.63		0.22	0.22	mg/Kg		
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	NICKEL (TOTAL)	4.1		0.27	0.27	mg/Kg	300	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	POTASSIUM (TOTAL)	495		50.4	50.4	mg/Kg		
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	SELENIUM (TOTAL)	0.88		0.44	0.44	mg/Kg	400	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	VANADIUM (TOTAL)	25.3		0.26	0.26	mg/Kg	400	
ECC082503DM01 (pre)	20	8/29/2003	SW6010B	ZINC (TOTAL)	20.9		0.13	0.13	mg/Kg	2500	
ECC090903DM01 (pre)	25	9/17/2003	SW9010	Non-Detect on CYANIDE	ND	U	0.52	0.52	mg/Kg	100	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	ALUMINUM (TOTAL)	9810		2	2	mg/Kg		
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.61		0.41	0.41	mg/Kg	10	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	ARSENIC (TOTAL)	4.4		0.26	0.26	mg/Kg	30	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	BARIUM (TOTAL)	16.2		0.78	0.78	mg/Kg	1000	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.43		0.021	0.021	mg/Kg	0.7	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	BORON (TOTAL)	3.2		0.49	0.49	mg/Kg		
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	CADMIUM (TOTAL)	0.12		0.032	0.032	mg/Kg	30	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	CALCIUM (TOTAL)	296		24	24	mg/Kg		

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	CHROMIUM (TOTAL)	11.4		0.065	0.065	mg/Kg	1000	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	COBALT (TOTAL)	3.2		0.19	0.19	mg/Kg	500	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	COPPER (TOTAL)	8		0.15	0.15	mg/Kg	1000	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	IRON (TOTAL)	11800		1.8	1.8	mg/Kg		
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	LEAD (TOTAL)	10.5		0.16	0.16	mg/Kg	300	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	1100		19.5	19.5	mg/Kg		
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	MANGANESE (TOTAL)	93.6		0.075	0.075	mg/Kg		
ECC090903DM01 (pre)	25	9/17/2003	SW7471	MERCURY (TOTAL)	0.31		0.018	0.018	mg/Kg	20	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	0.89		0.17	0.17	mg/Kg		
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	NICKEL (TOTAL)	5.9		0.21	0.21	mg/Kg	300	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	POTASSIUM (TOTAL)	577		26.9	26.9	mg/Kg		
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	SELENIUM (TOTAL)	0.76		0.18	0.18	mg/Kg	400	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	SODIUM (TOTAL)	271		23.5	23.5	mg/Kg		
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	VANADIUM (TOTAL)	19.4		0.24	0.24	mg/Kg	400	
ECC090903DM01 (pre)	25	9/17/2003	SW6010B	ZINC (TOTAL)	19.4		0.61	0.61	mg/Kg	2500	
ECC092403DM01 (pre)	31	10/8/2003	SW9010	Non-Detect on CYANIDE	ND	U	0.52	0.52	mg/Kg	100	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	ALUMINUM (TOTAL)	13800		2.2	2.2	mg/Kg		
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	ARSENIC (TOTAL)	5.2		0.42	0.42	mg/Kg	30	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	BARIUM (TOTAL)	17.3	J	1.2	1.2	mg/Kg	1000	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.041	0.041	mg/Kg	0.7	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	BORON (TOTAL)	2.2	J	0.64	0.64	mg/Kg		
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	CALCIUM (TOTAL)	186	J	29.1	29.1	mg/Kg		
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	CHROMIUM (TOTAL)	15.6		0.13	0.13	mg/Kg	1000	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	COBALT (TOTAL)	3.7		0.29	0.29	mg/Kg	500	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	COPPER (TOTAL)	10.1		0.2	0.2	mg/Kg	1000	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	IRON (TOTAL)	15200		3	3	mg/Kg		

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	LEAD (TOTAL)	10		0.14	0.14	mg/Kg	300	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	MAGNESIUM (TOTAL)	1730		30.5	30.5	mg/Kg		
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	MANGANESE (TOTAL)	78.3		0.12	0.12	mg/Kg		
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	NICKEL (TOTAL)	6.5		0.28	0.28	mg/Kg	300	
ECC092403DM01 (pre)	31	10/8/2003	SW7471	Non-Detect on MERCURY (TOTAL)	ND	U	0.015	0.015	mg/Kg	20	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	POTASSIUM (TOTAL)	658		32.3	32.3	mg/Kg		
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	SELENIUM (TOTAL)	0.86		0.3	0.3	mg/Kg	400	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	THALLIUM (TOTAL)	0.41	J	0.38	0.38	mg/Kg	8	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	VANADIUM (TOTAL)	22.9		0.29	0.29	mg/Kg	400	
ECC092403DM01 (pre)	31	10/8/2003	SW6010B	ZINC (TOTAL)	27.3		0.23	0.23	mg/Kg	2500	
ECC012004DM02 (pre)	2	1/22/2004	SW9010	Non-Detect on CYANIDE	ND	U	0.57	0.57	mg/Kg	100	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	ALUMINUM (TOTAL)	11400		3.6	3.6	mg/Kg		
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	ARSENIC (TOTAL)	3.5		0.31	0.31	mg/Kg	30	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	BARIUM (TOTAL)	27		0.58	0.58	mg/Kg	1000	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	BERYLLIUM (TOTAL)	0.38		0.033	0.033	mg/Kg	0.7	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	CADMIUM (TOTAL)	1.6		0.076	0.076	mg/Kg	30	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	CALCIUM (TOTAL)	279		19.1	19.1	mg/Kg		
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	CHROMIUM (TOTAL)	12.6		0.16	0.16	mg/Kg	1000	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	COBALT (TOTAL)	3.4		0.25	0.25	mg/Kg	500	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	COPPER (TOTAL)	18.7		0.33	0.33	mg/Kg	1000	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	IRON (TOTAL)	12000		3.9	3.9	mg/Kg		
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	LEAD (TOTAL)	15		0.17	0.17	mg/Kg	300	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	MAGNESIUM (TOTAL)	1390		16.6	16.6	mg/Kg		
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	MANGANESE (TOTAL)	184		0.12	0.12	mg/Kg		
ECC012004DM02 (pre)	2	1/22/2004	SW7471	MERCURY (TOTAL)	0.38		0.019	0.019	mg/Kg	20	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	NICKEL (TOTAL)	6.5		0.26	0.26	mg/Kg	300	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	POTASSIUM (TOTAL)	635		42.7	42.7	mg/Kg		
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	THALLIUM (TOTAL)	0.61		0.46	0.46	mg/Kg	8	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	VANADIUM (TOTAL)	18.8		0.24	0.24	mg/Kg	400	
ECC012004DM02 (pre)	2	1/22/2004	SW6010B	ZINC (TOTAL)	32.1		0.44	0.44	mg/Kg	2500	
ECC101204DM01 (pre)	36	10/13/2004	SW9012A	Non-Detect on CYANIDE	ND	U	0.63	0.63	mg/Kg	100	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	ALUMINUM (TOTAL)	12800		4.4	24.9781	mg/Kg		
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	ANTIMONY (TOTAL)	0.8	J	0.52	7.4934	mg/Kg	10	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	ARSENIC (TOTAL)	3.9		0.72	1.2489	mg/Kg	30	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	BARIUM (TOTAL)	27.7		1.5	24.9781	mg/Kg	1000	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	BERYLLIUM (TOTAL)	0.32	J	0.062	0.6245	mg/Kg	0.7	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	BORON (TOTAL)	2.5	J	0.84	12.4891	mg/Kg		
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	CADMIUM (TOTAL)	0.3	J	0.062	0.6245	mg/Kg	30	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	CALCIUM (TOTAL)	3490		45	624.454	mg/Kg		
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	CHROMIUM (TOTAL)	12.9		0.14	1.2489	mg/Kg	1000	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	COBALT (TOTAL)	2.2	J	0.42	6.2445	mg/Kg	500	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	COPPER (TOTAL)	149		0.32	3.1223	mg/Kg	1000	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	IRON (TOTAL)	14000		4.4	12.4891	mg/Kg		
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	LEAD (TOTAL)	82.3		0.15	0.3747	mg/Kg	300	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	MAGNESIUM (TOTAL)	1110		30.3	624.454	mg/Kg		
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	MANGANESE (TOTAL)	78		0.12	1.8734	mg/Kg		
ECC101204DM01 (pre)	36	10/13/2004	SW7471A	MERCURY (TOTAL)	0.076		0.02	0.0478	mg/Kg	20	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	MOLYBDENUM (TOTAL)	0.97	J	0.15	1.2489	mg/Kg		
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	NICKEL (TOTAL)	6.1		0.36	4.9956	mg/Kg	300	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	POTASSIUM (TOTAL)	743		42.3	624.454	mg/Kg		
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	SELENIUM (TOTAL)	1.1		0.54	0.6245	mg/Kg	400	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	SILVER (TOTAL)	0.14	J	0.11	1.2489	mg/Kg	100	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	VANADIUM (TOTAL)	25		0.5	6.2445	mg/Kg	400	
ECC101204DM01 (pre)	36	10/13/2004	SW6010B	ZINC (TOTAL)	41.9		0.24	2.4978	mg/Kg	2500	
ECC030405D101 (pre)	4	3/10/2005	SW9012A	Non-Detect on CYANIDE	ND	U	0.69	0.69	mg/Kg	100	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	ALUMINUM (TOTAL)	11100		3	24.9557	mg/Kg		
ECC030405D101 (pre)	4	3/10/2005	SW6010B	ANTIMONY (TOTAL)	1.2	J	0.49	7.4867	mg/Kg	10	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	ARSENIC (TOTAL)	3.7		0.52	1.2478	mg/Kg	30	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	BARIUM (TOTAL)	67.2		0.44	24.9557	mg/Kg	1000	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	BERYLLIUM (TOTAL)	0.58	J	0.05	0.6239	mg/Kg	0.7	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	CADMIUM (TOTAL)	0.88		0.075	0.6239	mg/Kg	30	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	CALCIUM (TOTAL)	354	J	10.9	623.893	mg/Kg		
ECC030405D101 (pre)	4	3/10/2005	SW6010B	CHROMIUM (TOTAL)	13.5		0.14	1.2478	mg/Kg	1000	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	COBALT (TOTAL)	3.4	J	0.14	6.2389	mg/Kg	500	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	COPPER (TOTAL)	49.8		0.47	3.1195	mg/Kg	1000	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	IRON (TOTAL)	14100		6.6	12.4779	mg/Kg		
ECC030405D101 (pre)	4	3/10/2005	SW6010B	LEAD (TOTAL)	30.4		0.29	0.3743	mg/Kg	300	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	MAGNESIUM (TOTAL)	1330		10.2	623.893	mg/Kg		
ECC030405D101 (pre)	4	3/10/2005	SW6010B	MANGANESE (TOTAL)	499		0.29	1.8717	mg/Kg		
ECC030405D101 (pre)	4	3/10/2005	SW7471A	MERCURY (TOTAL)	0.78		0.018	0.0437	mg/Kg	20	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	MOLYBDENUM (TOTAL)	0.52	J	0.2	1.2478	mg/Kg		
ECC030405D101 (pre)	4	3/10/2005	SW6010B	NICKEL (TOTAL)	7.4		0.29	4.9911	mg/Kg	300	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	POTASSIUM (TOTAL)	707		14.2	623.893	mg/Kg		
ECC030405D101 (pre)	4	3/10/2005	SW6010B	SODIUM (TOTAL)	766		35.6	623.893	mg/Kg		
ECC030405D101 (pre)	4	3/10/2005	SW6010B	VANADIUM (TOTAL)	20.2		0.17	6.2389	mg/Kg	400	
ECC030405D101 (pre)	4	3/10/2005	SW6010B	ZINC (TOTAL)	175		0.32	2.4956	mg/Kg	2500	
ECC042205D101 (pre)	10	4/28/2005	SW9012A	Non-Detect on CYANIDE	ND	U	0.65	0.65	mg/Kg	100	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	ALUMINUM (TOTAL)	8840		12.1	27.4236	mg/Kg		

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC042205D101 (pre)	10	4/28/2005	SW6010B	ANTIMONY (TOTAL)	0.59	J	0.56	8.2271	mg/Kg	10	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	ARSENIC (TOTAL)	3.5		0.62	1.3712	mg/Kg	30	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	BARIUM (TOTAL)	22.6	J	1.2	27.4236	mg/Kg	1000	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	BERYLLIUM (TOTAL)	0.34	J	0.027	0.6856	mg/Kg	0.7	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	BORON (TOTAL)	2.5	J	1.7	13.7118	mg/Kg		
ECC042205D101 (pre)	10	4/28/2005	SW6010B	CADMIUM (TOTAL)	0.4	J	0.082	0.6856	mg/Kg	30	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	CALCIUM (TOTAL)	922		28.9	685.589	mg/Kg		
ECC042205D101 (pre)	10	4/28/2005	SW6010B	CHROMIUM (TOTAL)	11.6		0.16	1.3712	mg/Kg	1000	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	COBALT (TOTAL)	3.6	J	0.37	6.8559	mg/Kg	500	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	COPPER (TOTAL)	25.3		0.36	3.4279	mg/Kg	1000	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	IRON (TOTAL)	12200		5.2	13.7118	mg/Kg		
ECC042205D101 (pre)	10	4/28/2005	SW6010B	LEAD (TOTAL)	24.7		0.4	0.4114	mg/Kg	300	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	MAGNESIUM (TOTAL)	1400		28.8	685.589	mg/Kg		
ECC042205D101 (pre)	10	4/28/2005	SW6010B	MANGANESE (TOTAL)	131		0.096	2.0568	mg/Kg		
ECC042205D101 (pre)	10	4/28/2005	SW7471A	MERCURY (TOTAL)	0.34		0.02	0.0489	mg/Kg	20	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	MOLYBDENUM (TOTAL)	1	J	0.27	1.3712	mg/Kg		
ECC042205D101 (pre)	10	4/28/2005	SW6010B	NICKEL (TOTAL)	6.5		0.41	5.4847	mg/Kg	300	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	POTASSIUM (TOTAL)	554	J	58.2	685.589	mg/Kg		
ECC042205D101 (pre)	10	4/28/2005	SW6010B	VANADIUM (TOTAL)	17.5		0.37	6.8559	mg/Kg	400	
ECC042205D101 (pre)	10	4/28/2005	SW6010B	ZINC (TOTAL)	43.9		0.22	2.7424	mg/Kg	2500	
ECC050305D101 (pre)	12	5/5/2005	SW9012A	Non-Detect on CYANIDE	ND	U	0.49	0.49	mg/Kg	100	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	ALUMINUM (TOTAL)	11000		7.9	18.0463	mg/Kg		
ECC050305D101 (pre)	12	5/5/2005	SW6010B	ANTIMONY (TOTAL)	1.1	J	0.37	5.4139	mg/Kg	10	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	ARSENIC (TOTAL)	4.2		0.38	0.9023	mg/Kg	30	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	BARIUM (TOTAL)	24.9		0.76	18.0463	mg/Kg	1000	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	BERYLLIUM (TOTAL)	0.36	J	0.018	0.4512	mg/Kg	0.7	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-6 Pre-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RSC1 Std.	> Soil RSC1 Std
ECC050305D101 (pre)	12	5/5/2005	SW6010B	BORON (TOTAL)	5.2	J	0.42	9.0232	mg/Kg		
ECC050305D101 (pre)	12	5/5/2005	SW6010B	CADMIUM (TOTAL)	0.45	J	0.054	0.4512	mg/Kg	30	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	CALCIUM (TOTAL)	583		19	451.158	mg/Kg		
ECC050305D101 (pre)	12	5/5/2005	SW6010B	CHROMIUM (TOTAL)	14.4		0.11	0.9023	mg/Kg	1000	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	COBALT (TOTAL)	4.3	J	0.24	4.5116	mg/Kg	500	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	COPPER (TOTAL)	35.8		0.23	2.2558	mg/Kg	1000	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	IRON (TOTAL)	13100		3.4	9.0232	mg/Kg		
ECC050305D101 (pre)	12	5/5/2005	SW6010B	LEAD (TOTAL)	27.1		0.26	0.2707	mg/Kg	300	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	MAGNESIUM (TOTAL)	1860		19	451.158	mg/Kg		
ECC050305D101 (pre)	12	5/5/2005	SW6010B	MANGANESE (TOTAL)	187		0.063	1.3535	mg/Kg		
ECC050305D101 (pre)	12	5/5/2005	SW7471A	MERCURY (TOTAL)	0.39		0.018	0.043	mg/Kg	20	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	MOLYBDENUM (TOTAL)	0.87	J	0.18	0.9023	mg/Kg		
ECC050305D101 (pre)	12	5/5/2005	SW6010B	NICKEL (TOTAL)	7.3		0.27	3.6093	mg/Kg	300	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	POTASSIUM (TOTAL)	581		38.3	451.158	mg/Kg		
ECC050305D101 (pre)	12	5/5/2005	SW6010B	VANADIUM (TOTAL)	18.3		0.24	4.5116	mg/Kg	400	
ECC050305D101 (pre)	12	5/5/2005	SW6010B	ZINC (TOTAL)	61.7		0.14	1.8046	mg/Kg	2500	

Notes:

RCS-1: Massachusetts Residential S-1 standard

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC070803DM01	16	7/25/2003	SW9010	CYANIDE	2.4		0.61	0.61	mg/Kg	100	
ECC070803DM01	16	7/25/2003	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	38	J	13	13	ug/Kg	100000	
ECC070803DM01	16	7/25/2003	SW6010B	ALUMINUM (TOTAL)	8140		1.7	1.7	mg/Kg		
ECC070803DM01	16	7/25/2003	SW6010B	ANTIMONY (TOTAL)	0.83		0.36	0.36	mg/Kg	10	
ECC070803DM01	16	7/25/2003	SW6010B	ARSENIC (TOTAL)	4.6		0.22	0.22	mg/Kg	30	
ECC070803DM01	16	7/25/2003	SW6010B	BARIUM (TOTAL)	16.1		0.68	0.68	mg/Kg	1000	
ECC070803DM01	16	7/25/2003	SW6010B	BERYLLIUM (TOTAL)	0.17		0.019	0.019	mg/Kg	0.7	
ECC070803DM01	16	7/25/2003	SW6010B	CADMIUM (TOTAL)	1.2		0.028	0.028	mg/Kg	30	
ECC070803DM01	16	7/25/2003	SW6010B	CALCIUM (TOTAL)	282		20.9	20.9	mg/Kg		
ECC070803DM01	16	7/25/2003	SW6010B	CHROMIUM (TOTAL)	8.1		0.056	0.056	mg/Kg	1000	
ECC070803DM01	16	7/25/2003	SW6010B	COBALT (TOTAL)	1.5		0.17	0.17	mg/Kg	500	
ECC070803DM01	16	7/25/2003	SW6010B	COPPER (TOTAL)	847		0.13	0.13	mg/Kg	1000	
ECC070803DM01	16	7/25/2003	SW6010B	IRON (TOTAL)	13000		1.6	1.6	mg/Kg		
ECC070803DM01	16	7/25/2003	SW6010B	LEAD (TOTAL)	213		0.14	0.14	mg/Kg	300	
ECC070803DM01	16	7/25/2003	SW6010B	MAGNESIUM (TOTAL)	416		17	17	mg/Kg		
ECC070803DM01	16	7/25/2003	SW6010B	MANGANESE (TOTAL)	45.6		0.066	0.066	mg/Kg		
ECC070803DM01	16	7/25/2003	SW7471	MERCURY (TOTAL)	0.071		0.02	0.02	mg/Kg	20	
ECC070803DM01	16	7/25/2003	SW6010B	MOLYBDENUM (TOTAL)	1.2		0.15	0.15	mg/Kg		
ECC070803DM01	16	7/25/2003	SW6010B	NICKEL (TOTAL)	3.4		0.19	0.19	mg/Kg	300	
ECC070803DM01	16	7/25/2003	SW6010B	POTASSIUM (TOTAL)	413		23.4	23.4	mg/Kg		
ECC070803DM01	16	7/25/2003	SW6010B	SELENIUM (TOTAL)	2.7		0.16	0.16	mg/Kg	400	
ECC070803DM01	16	7/25/2003	SW6010B	SILVER (TOTAL)	0.087		0.084	0.084	mg/Kg	100	
ECC070803DM01	16	7/25/2003	SW6010B	VANADIUM (TOTAL)	25.1		0.21	0.21	mg/Kg	400	
ECC070803DM01	16	7/25/2003	SW6010B	ZINC (TOTAL)	23.9		0.53	0.53	mg/Kg	2500	
ECC070803DM01	16	7/25/2003	SW8270C	BENZO(A)ANTHRACENE	54	J	38	410	ug/Kg	700	
ECC070803DM01	16	7/25/2003	SW8270C	BENZO(A)PYRENE	48	J	42.5	410	ug/Kg	700	
ECC070803DM01	16	7/25/2003	SW8270C	BENZO(B)FLUORANTHENE	110	J	68.1	410	ug/Kg	700	
ECC070803DM01	16	7/25/2003	SW8270C	BENZO(K)FLUORANTHENE	110	J	47.2	410	ug/Kg	7000	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC070803DM01	16	7/25/2003	SW8270C	CHRYSENE	120	J	32.1	410	ug/Kg	7000	
ECC070803DM01	16	7/25/2003	SW8270C	NAPHTHALENE	65	J	36.8	410	ug/Kg	4000	
ECC070803DM01	16	7/25/2003	SW8270C	PYRENE	130	J	92.8	410	ug/Kg	700000	
ECC082103DM03 (post)	19	8/29/2003	SW9010	CYANIDE	0.7		0.57	0.57	mg/Kg	100	
ECC082103DM03 (post)	19	8/29/2003	E314.0	Non-Detect on all 2 analytes	ND	U			ug/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW8330	2,4,6-TRINITROTOLUENE	17		1.86	13	ug/Kg	100000	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	ALUMINUM (TOTAL)	18400		3	3	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	ALUMINUM (TOTAL)	20000		2.9	2.9	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	ANTIMONY (TOTAL)	0.66		0.59	0.59	mg/Kg	10	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	ANTIMONY (TOTAL)	0.73		0.58	0.58	mg/Kg	10	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	ARSENIC (TOTAL)	5.6		0.6	0.6	mg/Kg	30	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	ARSENIC (TOTAL)	6.1		0.6	0.6	mg/Kg	30	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	BARIUM (TOTAL)	18.9		0.74	0.74	mg/Kg	1000	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	BARIUM (TOTAL)	18.9		0.73	0.73	mg/Kg	1000	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	BERYLLIUM (TOTAL)	0.33		0.0252	0.0252	mg/Kg	0.7	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	BERYLLIUM (TOTAL)	0.33		0.025	0.025	mg/Kg	0.7	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	BORON (TOTAL)	3.9		0.6	0.6	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	BORON (TOTAL)	4		0.6	0.6	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	CADMIUM (TOTAL)	1.5		0.076	0.076	mg/Kg	30	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	CADMIUM (TOTAL)	1.1		0.074	0.074	mg/Kg	30	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	CALCIUM (TOTAL)	169		22.9	22.9	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	CALCIUM (TOTAL)	175		22.6	22.6	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	CHROMIUM (TOTAL)	19.6		0.18	0.18	mg/Kg	1000	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	CHROMIUM (TOTAL)	21.4		0.17	0.17	mg/Kg	1000	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	COBALT (TOTAL)	3.3		0.25	0.25	mg/Kg	500	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	COBALT (TOTAL)	3.7		0.25	0.25	mg/Kg	500	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	COPPER (TOTAL)	6.1		0.3	0.3	mg/Kg	1000	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	COPPER (TOTAL)	5.1		0.3	0.3	mg/Kg	1000	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC082103DM03 (post)	19	8/29/2003	SW6010B	IRON (TOTAL)	18000		4.2	4.2	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	IRON (TOTAL)	18600		4.1	4.1	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	LEAD (TOTAL)	11.2		0.16	0.16	mg/Kg	300	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	LEAD (TOTAL)	10.9		0.16	0.16	mg/Kg	300	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	MAGNESIUM (TOTAL)	1320		22.5	22.5	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	MAGNESIUM (TOTAL)	1390		22.1	22.1	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	MANGANESE (TOTAL)	65.2		0.088	0.088	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	MANGANESE (TOTAL)	67.7		0.087	0.087	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW7470A	MERCURY (TOTAL)	0.024		0.019	0.019	mg/Kg	20	
ECC082103DM03 (post)	19	8/29/2003	SW7470A	MERCURY (TOTAL)	0.04		0.018	0.018	mg/Kg	20	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)	1.4		0.21	0.21	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)	1.3		0.21	0.21	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	NICKEL (TOTAL)	6.6		0.26	0.26	mg/Kg	300	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	NICKEL (TOTAL)	7.3		0.26	0.26	mg/Kg	300	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	POTASSIUM (TOTAL)	553		49.5	49.5	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	POTASSIUM (TOTAL)	580		48.8	48.8	mg/Kg		
ECC082103DM03 (post)	19	8/29/2003	SW6010B	SELENIUM (TOTAL)	0.62		0.43	0.43	mg/Kg	400	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	SELENIUM (TOTAL)	1.1		0.42	0.42	mg/Kg	400	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	VANADIUM (TOTAL)	29.2		0.25	0.25	mg/Kg	400	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	VANADIUM (TOTAL)	30.4		0.25	0.25	mg/Kg	400	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	ZINC (TOTAL)	17.9		0.13	0.13	mg/Kg	2500	
ECC082103DM03 (post)	19	8/29/2003	SW6010B	ZINC (TOTAL)	18.3		0.12	0.12	mg/Kg	2500	
ECC082103DM03 (post)	19	8/29/2003	SW8270C	Non-Detect on all 172 analytes	ND	U			ug/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW9010	Non-Detect on all 2 analytes	ND	U			mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	E314.0	Non-Detect on all 2 analytes	ND	U			ug/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW8330	2-NITROTOLUENE	69		5.97	13	ug/Kg	500000	
ECC082503DM01 (post)	20	8/29/2003	SW8330	2-NITROTOLUENE	68		5.83	13	ug/Kg	500000	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	ALUMINUM (TOTAL)	17500		2.9	2.9	mg/Kg		

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC082503DM01 (post)	20	8/29/2003	SW6010B	ALUMINUM (TOTAL)	16200		2.9	2.9	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	ANTIMONY (TOTAL)	0.95		0.58	0.58	mg/Kg	10	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	ANTIMONY (TOTAL)	0.89		0.57	0.57	mg/Kg	10	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	ARSENIC (TOTAL)	6		0.59	0.59	mg/Kg	30	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	ARSENIC (TOTAL)	5.8		0.59	0.59	mg/Kg	30	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	BARIUM (TOTAL)	16.7		0.72	0.72	mg/Kg	1000	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	BARIUM (TOTAL)	16		0.72	0.72	mg/Kg	1000	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	BERYLLIUM (TOTAL)	0.37		0.0244	0.0244	mg/Kg	0.7	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	BERYLLIUM (TOTAL)	0.4		0.025	0.025	mg/Kg	0.7	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	BORON (TOTAL)	4.2		0.59	0.59	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	BORON (TOTAL)	3.9		0.59	0.59	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	CADMIUM (TOTAL)	0.27		0.074	0.074	mg/Kg	30	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	CADMIUM (TOTAL)	0.47		0.073	0.073	mg/Kg	30	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	CALCIUM (TOTAL)	188		22.3	22.3	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	CALCIUM (TOTAL)	187		22.2	22.2	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	CHROMIUM (TOTAL)	19.3		0.17	0.17	mg/Kg	1000	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	CHROMIUM (TOTAL)	17		0.17	0.17	mg/Kg	1000	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	COBALT (TOTAL)	4.5		0.25	0.25	mg/Kg	500	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	COBALT (TOTAL)	3.1		0.24	0.24	mg/Kg	500	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	COPPER (TOTAL)	12.8		0.29	0.29	mg/Kg	1000	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	COPPER (TOTAL)	15.4		0.29	0.29	mg/Kg	1000	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	IRON (TOTAL)	17500		4.1	4.1	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	IRON (TOTAL)	16500		4.1	4.1	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	LEAD (TOTAL)	14.9		0.16	0.16	mg/Kg	300	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	LEAD (TOTAL)	17		0.16	0.16	mg/Kg	300	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	MAGNESIUM (TOTAL)	1830		21.9	21.9	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	MAGNESIUM (TOTAL)	1210		21.8	21.8	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	MANGANESE (TOTAL)	88.6		0.086	0.086	mg/Kg		

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC082503DM01 (post)	20	8/29/2003	SW6010B	MANGANESE (TOTAL)	63.5		0.086	0.086	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW7470A	MERCURY (TOTAL)	0.1		0.021	0.021	mg/Kg	20	
ECC082503DM01 (post)	20	8/29/2003	SW7470A	MERCURY (TOTAL)	0.094		0.02	0.02	mg/Kg	20	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)	0.83		0.21	0.21	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	MOLYBDENUM (TOTAL)	0.9		0.21	0.21	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	NICKEL (TOTAL)	8.9		0.26	0.26	mg/Kg	300	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	NICKEL (TOTAL)	6.5		0.26	0.26	mg/Kg	300	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	POTASSIUM (TOTAL)	637		48.2	48.2	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	POTASSIUM (TOTAL)	565		48	48	mg/Kg		
ECC082503DM01 (post)	20	8/29/2003	SW6010B	SELENIUM (TOTAL)	1.2		0.42	0.42	mg/Kg	400	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	SELENIUM (TOTAL)	1.4		0.42	0.42	mg/Kg	400	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	VANADIUM (TOTAL)	27.8		0.25	0.25	mg/Kg	400	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	VANADIUM (TOTAL)	26.7		0.24	0.24	mg/Kg	400	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	ZINC (TOTAL)	25		0.12	0.12	mg/Kg	2500	
ECC082503DM01 (post)	20	8/29/2003	SW6010B	ZINC (TOTAL)	20.3		0.12	0.12	mg/Kg	2500	
ECC082503DM01 (post)	20	8/29/2003	SW8270C	BENZOIC ACID	260	J	161	1100	ug/Kg	1E+06	
ECC082503DM01 (post)	20	8/29/2003	SW8270C	BENZOIC ACID	280	J	158	1100	ug/Kg	1E+06	
ECC090903DM01 (post)	25	9/17/2003	SW9010	CYANIDE	1.4		0.5	0.5	mg/Kg	100	
ECC090903DM01 (post)	25	9/17/2003	E314.0	PERCHLORATE	28		1.8	4.8	ug/Kg		
ECC090903DM01 (post)	25	9/17/2003	E314.0	PERCHLORATE	8.6		1.8	4.8	ug/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW8330	2-NITROTOLUENE	18		5.38	13	ug/Kg	500000	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	ALUMINUM (TOTAL)	10600		2.2	2.2	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	ALUMINUM (TOTAL)	11600		2.2	2.2	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.82		0.46	0.46	mg/Kg	10	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	ANTIMONY (TOTAL)	0.94		0.45	0.45	mg/Kg	10	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	ARSENIC (TOTAL)	4.2		0.29	0.29	mg/Kg	30	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	ARSENIC (TOTAL)	4.4		0.28	0.28	mg/Kg	30	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	BARIUM (TOTAL)	11.9		0.88	0.88	mg/Kg	1000	

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC090903DM01 (post)	25	9/17/2003	SW6010B	BARIUM (TOTAL)	10.6		0.86	0.86	mg/Kg	1000	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.41		0.024	0.024	mg/Kg	0.7	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	BERYLLIUM (TOTAL)	0.44		0.024	0.024	mg/Kg	0.7	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	BORON (TOTAL)	3		0.55	0.55	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	BORON (TOTAL)	2.9		0.54	0.54	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	CADMIUM (TOTAL)	0.41		0.036	0.036	mg/Kg	30	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	CADMIUM (TOTAL)	0.12		0.035	0.035	mg/Kg	30	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	CALCIUM (TOTAL)	155		26.8	26.8	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	CALCIUM (TOTAL)	145		26.4	26.4	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	CHROMIUM (TOTAL)	10.5		0.072	0.072	mg/Kg	1000	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	CHROMIUM (TOTAL)	11.3		0.071	0.071	mg/Kg	1000	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	COBALT (TOTAL)	2.6		0.22	0.22	mg/Kg	500	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	COBALT (TOTAL)	2.5		0.21	0.21	mg/Kg	500	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	COPPER (TOTAL)	47.7		0.17	0.17	mg/Kg	1000	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	COPPER (TOTAL)	49.6		0.17	0.17	mg/Kg	1000	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	IRON (TOTAL)	13800		2	2	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	IRON (TOTAL)	13100		2	2	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	LEAD (TOTAL)	13.8		0.18	0.18	mg/Kg	300	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	LEAD (TOTAL)	8.5		0.18	0.18	mg/Kg	300	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	907		21.8	21.8	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	MAGNESIUM (TOTAL)	636		21.5	21.5	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	MANGANESE (TOTAL)	67.4		0.084	0.084	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	MANGANESE (TOTAL)	36.4		0.083	0.083	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW7471	MERCURY (TOTAL)	0.069		0.017	0.017	mg/Kg	20	
ECC090903DM01 (post)	25	9/17/2003	SW7471	MERCURY (TOTAL)	0.039		0.018	0.018	mg/Kg	20	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	0.82		0.19	0.19	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	MOLYBDENUM (TOTAL)	0.91		0.19	0.19	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	NICKEL (TOTAL)	5.4		0.24	0.24	mg/Kg	300	

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC090903DM01 (post)	25	9/17/2003	SW6010B	NICKEL (TOTAL)	4.8		0.24	0.24	mg/Kg	300	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	POTASSIUM (TOTAL)	469		30	30	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	POTASSIUM (TOTAL)	460		29.6	29.6	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	SELENIUM (TOTAL)	1.1		0.2	0.2	mg/Kg	400	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	SELENIUM (TOTAL)	0.78		0.2	0.2	mg/Kg	400	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	SILVER (TOTAL)	1.4		0.11	0.11	mg/Kg	100	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	SILVER (TOTAL)	0.64		0.11	0.11	mg/Kg	100	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	SODIUM (TOTAL)	304		26.2	26.2	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	SODIUM (TOTAL)	289		25.9	25.9	mg/Kg		
ECC090903DM01 (post)	25	9/17/2003	SW6010B	VANADIUM (TOTAL)	20		0.26	0.26	mg/Kg	400	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	VANADIUM (TOTAL)	20.7		0.26	0.26	mg/Kg	400	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	ZINC (TOTAL)	14.3		0.68	0.68	mg/Kg	2500	
ECC090903DM01 (post)	25	9/17/2003	SW6010B	ZINC (TOTAL)	12.4		0.67	0.67	mg/Kg	2500	
ECC090903DM01 (post)	25	9/17/2003	SW8270C	Non-Detect on all 156 analytes	ND	U			ug/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW9010	CYANIDE	3.8		0.48	0.48	mg/Kg	100	
ECC092403DM01 (post)	31	10/8/2003	SW9010	CYANIDE	6.1		0.51	0.51	mg/Kg	100	
ECC092403DM01 (post)	31	10/8/2003	E314.0	Non-Detect on all 2 analytes	ND	U			ug/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW8330	2,4,6-TRINITROTOLUENE	3300000		6243	53000	ug/Kg	100000	X
ECC092403DM01 (post)	31	10/8/2003	SW8330	2,4,6-TRINITROTOLUENE	1300000		3096	27000	ug/Kg	100000	X
ECC092403DM01 (post)	31	10/8/2003	SW6010B	ALUMINUM (TOTAL)	9150		2.3	2.3	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	ALUMINUM (TOTAL)	7230		2.3	2.3	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	ARSENIC (TOTAL)	3.9		0.42	0.42	mg/Kg	30	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	ARSENIC (TOTAL)	3.4		0.42	0.42	mg/Kg	30	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	BARIUM (TOTAL)	14.4	J	1.2	1.2	mg/Kg	1000	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	BARIUM (TOTAL)	11.9	J	1.2	1.2	mg/Kg	1000	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.041	0.041	mg/Kg	0.7	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	BERYLLIUM (TOTAL)	0.27	J	0.041	0.041	mg/Kg	0.7	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	CADMIUM (TOTAL)	0.11	J	0.051	0.051	mg/Kg	30	

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

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mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC092403DM01 (post)	31	10/8/2003	SW6010B	CADMIUM (TOTAL)	0.28	J	0.051	0.051	mg/Kg	30	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	CALCIUM (TOTAL)	128	J	29.2	29.2	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	CALCIUM (TOTAL)	138	J	29.3	29.3	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	CHROMIUM (TOTAL)	10.6		0.13	0.13	mg/Kg	1000	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	CHROMIUM (TOTAL)	9.2		0.13	0.13	mg/Kg	1000	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	COBALT (TOTAL)	3.4	J	0.3	0.3	mg/Kg	500	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	COBALT (TOTAL)	2.7		0.3	0.3	mg/Kg	500	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	COPPER (TOTAL)	330		0.2	0.2	mg/Kg	1000	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	COPPER (TOTAL)	650		0.2	0.2	mg/Kg	1000	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	IRON (TOTAL)	12000		3.1	3.1	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	IRON (TOTAL)	10500		3.1	3.1	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	LEAD (TOTAL)	75.3		0.14	0.14	mg/Kg	300	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	LEAD (TOTAL)	109		0.14	0.14	mg/Kg	300	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	MAGNESIUM (TOTAL)	1430		30.7	30.7	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	MAGNESIUM (TOTAL)	1160		30.7	30.7	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	MANGANESE (TOTAL)	86.1		0.12	0.12	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	MANGANESE (TOTAL)	74.8		0.12	0.12	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	NICKEL (TOTAL)	5		0.29	0.29	mg/Kg	300	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	NICKEL (TOTAL)	4.3		0.29	0.29	mg/Kg	300	
ECC092403DM01 (post)	31	10/8/2003	SW7471	Non-Detect on all 2 analytes	ND	U			mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	POTASSIUM (TOTAL)	541		32.4	32.4	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	POTASSIUM (TOTAL)	491	J	32.5	32.5	mg/Kg		
ECC092403DM01 (post)	31	10/8/2003	SW6010B	SELENIUM (TOTAL)	1.8		0.31	0.31	mg/Kg	400	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	SELENIUM (TOTAL)	2.1		0.31	0.31	mg/Kg	400	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	SILVER (TOTAL)	0.18	J	0.16	0.16	mg/Kg	100	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	SILVER (TOTAL)	0.67	J	0.16	0.16	mg/Kg	100	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	VANADIUM (TOTAL)	17.2		0.3	0.3	mg/Kg	400	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	VANADIUM (TOTAL)	14		0.3	0.3	mg/Kg	400	

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC092403DM01 (post)	31	10/8/2003	SW6010B	ZINC (TOTAL)	40.7		0.23	0.23	mg/Kg	2500	
ECC092403DM01 (post)	31	10/8/2003	SW6010B	ZINC (TOTAL)	52.3		0.23	0.23	mg/Kg	2500	
ECC092403DM01 (post)	31	10/8/2003	SW8270C	2,4,6-TRINITROTOLUENE	4900000	TIC	0	0	ug/Kg	100000	X
ECC092403DM01 (post)	31	10/8/2003	SW8270C	2,4,6-TRINITROTOLUENE	11000000	TIC	0	0	ug/Kg	100000	X
ECC092403DM01 (post)	31	10/8/2003	SW8270C	2,4-DINITROTOLUENE	40000		3247	17000	ug/Kg	700	X
ECC092403DM01 (post)	31	10/8/2003	SW8270C	2,4-DINITROTOLUENE	54000		3220	34000	ug/Kg	700	X
ECC092403DM01 (post)	31	10/8/2003	SW8270C	CHLORONAPHTHALENE, (TOTAL)	19	J	6.6	34	ug/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW9010	CYANIDE	1.3		0.56	0.56	mg/Kg	100	
ECC012004DM02 (post_c)	2	1/22/2004	E314.0	Non-Detect on PERCHLORATE	ND	U	1.5	4.6	ug/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	ALUMINUM (TOTAL)	8900		3.6	3.6	mg/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	ARSENIC (TOTAL)	3.1		0.31	0.31	mg/Kg	30	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	BARIUM (TOTAL)	18.4		0.58	0.58	mg/Kg	1000	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	BORON (TOTAL)	3.7		0.25	0.25	mg/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	CADMIUM (TOTAL)	0.35		0.077	0.077	mg/Kg	30	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	CALCIUM (TOTAL)	216		19.3	19.3	mg/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	CHROMIUM (TOTAL)	10.4		0.17	0.17	mg/Kg	1000	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	COBALT (TOTAL)	2.9		0.25	0.25	mg/Kg	500	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	COPPER (TOTAL)	13.8		0.33	0.33	mg/Kg	1000	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	IRON (TOTAL)	9630		3.9	3.9	mg/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	LEAD (TOTAL)	12		0.18	0.18	mg/Kg	300	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	MAGNESIUM (TOTAL)	1250		16.8	16.8	mg/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	MANGANESE (TOTAL)	122		0.12	0.12	mg/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW7471	MERCURY (TOTAL)	0.12		0.017	0.017	mg/Kg	20	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	NICKEL (TOTAL)	5.5		0.26	0.26	mg/Kg	300	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	POTASSIUM (TOTAL)	578		43.1	43.1	mg/Kg		
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	SELENIUM (TOTAL)	0.44		0.42	0.42	mg/Kg	400	
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	VANADIUM (TOTAL)	16.7		0.24	0.24	mg/Kg	400	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC012004DM02 (post_c)	2	1/22/2004	SW6010B	ZINC (TOTAL)	33.6		0.44	0.44	mg/Kg	2500	
ECC012004DM02 (post_c)	2	1/22/2004	SW8270C	Non-Detect on all 86 analytes	ND	U			ug/Kg		
ECC101204DM01 (post)	36	10/13/2004	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW9012A	Non-Detect on CYANIDE	ND	U	0.57	0.57	mg/Kg	100	
ECC101204DM01 (post)	36	10/14/2004	SW8330	2,4,6-TRINITROTOLUENE	120		1.5	13	ug/Kg	100000	
ECC101204DM01 (post)	36	10/14/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	19		3.02	13	ug/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW8330	4-AMINO-2,6-DINITROTOLUENE	18		2.49	13	ug/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	64		1.41	13	ug/Kg	100000	
ECC101204DM01 (post)	36	10/14/2004	SW8330	OCTAHYDRO-1,3,5,7-TETRAZOCINE	55		1.24	13	ug/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW8330	TETRYL	240		1.66	13	ug/Kg	100000	
ECC101204DM01 (post)	36	10/14/2004	M8321A	Non-Detect on PERCHLORATE	ND	U	0.41	2.5	ug/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW6010B	ALUMINUM (TOTAL)	13700		4.1	23.2791	mg/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW6010B	ARSENIC (TOTAL)	3.7		0.68	1.164	mg/Kg	30	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	BARIUM (TOTAL)	23.4		1.4	23.2791	mg/Kg	1000	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	BERYLLIUM (TOTAL)	0.33	J	0.058	0.582	mg/Kg	0.7	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	BORON (TOTAL)	2	J	0.78	11.6395	mg/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW6010B	CADMIUM (TOTAL)	0.31	J	0.058	0.582	mg/Kg	30	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	CALCIUM (TOTAL)	4440		41.9	581.9773	mg/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW6010B	CHROMIUM (TOTAL)	12.8		0.13	1.164	mg/Kg	1000	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	COBALT (TOTAL)	2.1	J	0.4	5.8198	mg/Kg	500	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	COPPER (TOTAL)	10.4		0.3	2.9099	mg/Kg	1000	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	IRON (TOTAL)	13900		4.1	11.6395	mg/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW6010B	LEAD (TOTAL)	25.6		0.14	0.3492	mg/Kg	300	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	MAGNESIUM (TOTAL)	1090		28.2	581.9773	mg/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW6010B	MANGANESE (TOTAL)	84.1		0.12	1.7459	mg/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW7471A	MERCURY (TOTAL)	0.06		0.021	0.05	mg/Kg	20	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	MOLYBDENUM (TOTAL)	1.4		0.14	1.164	mg/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW6010B	NICKEL (TOTAL)	6.2		0.34	4.6558	mg/Kg	300	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC101204DM01 (post)	36	10/14/2004	SW6010B	POTASSIUM (TOTAL)	665		39.4	581.9773	mg/Kg		
ECC101204DM01 (post)	36	10/14/2004	SW6010B	SELENIUM (TOTAL)	1		0.5	0.582	mg/Kg	400	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	SILVER (TOTAL)	0.17	J	0.1	1.164	mg/Kg	100	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	VANADIUM (TOTAL)	22.8		0.47	5.8198	mg/Kg	400	
ECC101204DM01 (post)	36	10/14/2004	SW6010B	ZINC (TOTAL)	19.5		0.22	2.3279	mg/Kg	2500	
ECC101204DM01 (post)	36	10/14/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW9012A	Non-Detect on CYANIDE	ND	U	0.56	0.56	mg/Kg	100	
ECC030405D101 (post)	4	3/10/2005	SW8330	2,4-DINITROTOLUENE	20		1.5	13	ug/Kg	700	
ECC030405D101 (post)	4	3/10/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	29		3.02	13	ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	22		2.49	13	ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	430		1.41	13	ug/Kg	100000	
ECC030405D101 (post)	4	3/10/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	120		1.24	13	ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW8321A	Non-Detect on PERCHLORATE	ND	U	0.4	2.5	ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW6010B	ALUMINUM (TOTAL)	10200		2.4	20.5584	mg/Kg		
ECC030405D101 (post)	4	3/10/2005	SW6010B	ANTIMONY (TOTAL)	0.61	J	0.4	6.1675	mg/Kg	10	
ECC030405D101 (post)	4	3/10/2005	SW6010B	ARSENIC (TOTAL)	3.3		0.43	1.0279	mg/Kg	30	
ECC030405D101 (post)	4	3/10/2005	SW6010B	BARIUM (TOTAL)	69.4		0.36	20.5584	mg/Kg	1000	
ECC030405D101 (post)	4	3/10/2005	SW6010B	BERYLLIUM (TOTAL)	0.47	J	0.041	0.514	mg/Kg	0.7	
ECC030405D101 (post)	4	3/10/2005	SW6010B	CADMIUM (TOTAL)	0.73		0.062	0.514	mg/Kg	30	
ECC030405D101 (post)	4	3/10/2005	SW6010B	CALCIUM (TOTAL)	467	J	8.9	513.9591	mg/Kg		
ECC030405D101 (post)	4	3/10/2005	SW6010B	CHROMIUM (TOTAL)	12.2		0.11	1.0279	mg/Kg	1000	
ECC030405D101 (post)	4	3/10/2005	SW6010B	COBALT (TOTAL)	2.8	J	0.11	5.1396	mg/Kg	500	
ECC030405D101 (post)	4	3/10/2005	SW6010B	COPPER (TOTAL)	134		0.39	2.5698	mg/Kg	1000	
ECC030405D101 (post)	4	3/10/2005	SW6010B	IRON (TOTAL)	12200		5.4	10.2792	mg/Kg		
ECC030405D101 (post)	4	3/10/2005	SW6010B	LEAD (TOTAL)	51.2		0.24	0.3084	mg/Kg	300	
ECC030405D101 (post)	4	3/10/2005	SW6010B	MAGNESIUM (TOTAL)	1140		8.4	513.9591	mg/Kg		
ECC030405D101 (post)	4	3/10/2005	SW6010B	MANGANESE (TOTAL)	471		0.24	1.5419	mg/Kg		
ECC030405D101 (post)	4	3/10/2005	SW7471A	MERCURY (TOTAL)	0.88		0.017	0.0415	mg/Kg	20	

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ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC030405D101 (post)	4	3/10/2005	SW6010B	MOLYBDENUM (TOTAL)	0.66	J	0.16	1.0279	mg/Kg		
ECC030405D101 (post)	4	3/10/2005	SW6010B	NICKEL (TOTAL)	7		0.24	4.1117	mg/Kg	300	
ECC030405D101 (post)	4	3/10/2005	SW6010B	POTASSIUM (TOTAL)	630		11.7	513.9591	mg/Kg		
ECC030405D101 (post)	4	3/10/2005	SW6010B	SELENIUM (TOTAL)	0.57		0.5	0.514	mg/Kg	400	
ECC030405D101 (post)	4	3/10/2005	SW6010B	SILVER (TOTAL)	0.24	J	0.14	1.0279	mg/Kg	100	
ECC030405D101 (post)	4	3/10/2005	SW6010B	VANADIUM (TOTAL)	18.7		0.14	5.1396	mg/Kg	400	
ECC030405D101 (post)	4	3/10/2005	SW6010B	ZINC (TOTAL)	95.5		0.27	2.0558	mg/Kg	2500	
ECC030405D101 (post)	4	3/10/2005	SW8270C	BENZO(A)ANTHRACENE	87	J	38.3	410	ug/Kg	700	
ECC030405D101 (post)	4	3/10/2005	SW8270C	BENZO(A)PYRENE	59	J	42.8	410	ug/Kg	700	
ECC030405D101 (post)	4	3/10/2005	SW8270C	BENZO(B)FLUORANTHENE	86	J	68.7	410	ug/Kg	700	
ECC030405D101 (post)	4	3/10/2005	SW8270C	BENZO(K)FLUORANTHENE	100	J	47.5	410	ug/Kg	7000	
ECC030405D101 (post)	4	3/10/2005	SW8270C	CHRYSENE	120	J	32.3	410	ug/Kg	7000	
ECC030405D101 (post)	4	3/10/2005	SW8270C	DI-N-BUTYL PHTHALATE	180	J	31.5	410	ug/Kg	50000	
ECC030405D101 (post)	4	3/10/2005	SW8270C	DICHLORONAPHTHALENE, (TOTAL)	420		8.2	41	ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW8270C	DIETHYL PHTHALATE	69	J	54.6	410	ug/Kg	700	
ECC030405D101 (post)	4	3/10/2005	SW8270C	FLUORANTHENE	110	J	89.9	410	ug/Kg	1E+06	
ECC030405D101 (post)	4	3/10/2005	SW8270C	HEXACHLORONAPHTHALENE, (TOTAL)	52		12	41	ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW8270C	PENTACHLORONAPHTHALENE, (TOTAL)	1100		150	410	ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW8270C	PYRENE	180	J	93.5	410	ug/Kg	700000	
ECC030405D101 (post)	4	3/10/2005	SW8270C	TETRACHLORONAPHTHALENE, (TOTAL)	3800		140	410	ug/Kg		
ECC030405D101 (post)	4	3/10/2005	SW8270C	TRICHLORONAPHTHALENE, (TOTAL)	4500		77	410	ug/Kg		
ECC042205D101 (post)	10	4/28/2005	SW9012A	Non-Detect on CYANIDE	ND	U	0.64	0.64	mg/Kg	100	
ECC042205D101 (post)	10	4/28/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
ECC042205D101 (post)	10	4/28/2005	SW6010B	ALUMINUM (TOTAL)	7990		10	22.8081	mg/Kg		
ECC042205D101 (post)	10	4/28/2005	SW6010B	ARSENIC (TOTAL)	3.1		0.51	1.1404	mg/Kg	30	
ECC042205D101 (post)	10	4/28/2005	SW6010B	BARIUM (TOTAL)	37.7		0.96	22.8081	mg/Kg	1000	
ECC042205D101 (post)	10	4/28/2005	SW6010B	BERYLLIUM (TOTAL)	0.28	J	0.023	0.5702	mg/Kg	0.7	
ECC042205D101 (post)	10	4/28/2005	SW6010B	CADMIUM (TOTAL)	0.38	J	0.068	0.5702	mg/Kg	30	

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC042205D101 (post)	10	4/28/2005	SW6010B	CALCIUM (TOTAL)	1950		24.1	570.2034	mg/Kg		
ECC042205D101 (post)	10	4/28/2005	SW6010B	CHROMIUM (TOTAL)	14.2		0.14	1.1404	mg/Kg	1000	
ECC042205D101 (post)	10	4/28/2005	SW6010B	COBALT (TOTAL)	3	J	0.31	5.702	mg/Kg	500	
ECC042205D101 (post)	10	4/28/2005	SW6010B	COPPER (TOTAL)	408		0.3	2.851	mg/Kg	1000	
ECC042205D101 (post)	10	4/28/2005	SW6010B	IRON (TOTAL)	11400		4.3	11.4041	mg/Kg		
ECC042205D101 (post)	10	4/28/2005	SW6010B	LEAD (TOTAL)	98		0.33	0.3421	mg/Kg	300	
ECC042205D101 (post)	10	4/28/2005	SW6010B	MAGNESIUM (TOTAL)	1130		24	570.2034	mg/Kg		
ECC042205D101 (post)	10	4/28/2005	SW6010B	MANGANESE (TOTAL)	122		0.08	1.7106	mg/Kg		
ECC042205D101 (post)	10	4/28/2005	SW7471A	MERCURY (TOTAL)	0.55		0.017	0.0397	mg/Kg	20	
ECC042205D101 (post)	10	4/28/2005	SW6010B	MOLYBDENUM (TOTAL)	0.9	J	0.23	1.1404	mg/Kg		
ECC042205D101 (post)	10	4/28/2005	SW6010B	NICKEL (TOTAL)	6.6		0.34	4.5616	mg/Kg	300	
ECC042205D101 (post)	10	4/28/2005	SW6010B	POTASSIUM (TOTAL)	392	J	48.4	570.2034	mg/Kg		
ECC042205D101 (post)	10	4/28/2005	SW6010B	SELENIUM (TOTAL)	1.7		0.48	0.5702	mg/Kg	400	
ECC042205D101 (post)	10	4/28/2005	SW6010B	VANADIUM (TOTAL)	15		0.31	5.702	mg/Kg	400	
ECC042205D101 (post)	10	4/28/2005	SW6010B	ZINC (TOTAL)	73.1		0.18	2.2808	mg/Kg	2500	
ECC042205D101 (post)	10	4/28/2005	SW8270C	2-METHYLNAPHTHALENE	98	J	37.2	420	ug/Kg	4000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	ACENAPHTHENE	270	J	40.9	420	ug/Kg	20000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	ANTHRACENE	150	J	35.4	420	ug/Kg	1E+06	
ECC042205D101 (post)	10	4/28/2005	SW8270C	BENZO(A)ANTHRACENE	110	J	39.7	420	ug/Kg	700	
ECC042205D101 (post)	10	4/28/2005	SW8270C	BENZO(A)PYRENE	59	J	44.3	420	ug/Kg	700	
ECC042205D101 (post)	10	4/28/2005	SW8270C	BENZO(B)FLUORANTHENE	73	J	71.1	420	ug/Kg	700	
ECC042205D101 (post)	10	4/28/2005	SW8270C	BENZO(K)FLUORANTHENE	120	J	49.2	420	ug/Kg	7000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	CHRYSENE	160	J	33.5	420	ug/Kg	7000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	DI-N-BUTYL PHTHALATE	50	J	32.6	420	ug/Kg	50000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	DIBENZOFURAN	130	J	46.4	420	ug/Kg	100000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	FLUORANTHENE	460		93.2	420	ug/Kg	1E+06	
ECC042205D101 (post)	10	4/28/2005	SW8270C	FLUORENE	220	J	51.9	420	ug/Kg	400000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	N-NITROSODIPHENYLAMINE	51	J	34.9	420	ug/Kg	100000	

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC042205D101 (post)	10	4/28/2005	SW8270C	NAPHTHALENE	76	J	38.4	420	ug/Kg	4000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	PHENANTHRENE	560		33.9	420	ug/Kg	100000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	PYRENE	620		96.9	420	ug/Kg	700000	
ECC042205D101 (post)	10	4/28/2005	SW8270C	TETRACHLORNAPHTHALENE, (TOTAL)	35	J	11	43	ug/Kg		
ECC050305D101 (post)	12	5/5/2005	SW9012A	CYANIDE	0.7		0.45	0.45	mg/Kg	100	
ECC050305D101 (post)	12	5/5/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	41		3.02	13	ug/Kg		
ECC050305D101 (post)	12	5/5/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	29		2.49	13	ug/Kg		
ECC050305D101 (post)	12	5/5/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	42		1.41	13	ug/Kg	100000	
ECC050305D101 (post)	12	5/5/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	47		1.24	13	ug/Kg		
ECC050305D101 (post)	12	5/5/2005	SW8321A	PERCHLORATE	0.39	J	0.37	2.3	ug/Kg		
ECC050305D101 (post)	12	5/5/2005	SW6010B	ALUMINUM (TOTAL)	10700		8.1	18.4257	mg/Kg		
ECC050305D101 (post)	12	5/5/2005	SW6010B	ANTIMONY (TOTAL)	0.74	J	0.38	5.5277	mg/Kg	10	
ECC050305D101 (post)	12	5/5/2005	SW6010B	ARSENIC (TOTAL)	5.7		0.39	0.9213	mg/Kg	30	
ECC050305D101 (post)	12	5/5/2005	SW6010B	BARIUM (TOTAL)	24.7		0.77	18.4257	mg/Kg	1000	
ECC050305D101 (post)	12	5/5/2005	SW6010B	BERYLLIUM (TOTAL)	0.45	J	0.018	0.4606	mg/Kg	0.7	
ECC050305D101 (post)	12	5/5/2005	SW6010B	BORON (TOTAL)	5.9	J	0.43	9.2129	mg/Kg		
ECC050305D101 (post)	12	5/5/2005	SW6010B	CADMIUM (TOTAL)	1.6		0.055	0.4606	mg/Kg	30	
ECC050305D101 (post)	12	5/5/2005	SW6010B	CALCIUM (TOTAL)	212	J	19.4	460.6427	mg/Kg		
ECC050305D101 (post)	12	5/5/2005	SW6010B	CHROMIUM (TOTAL)	18.7		0.11	0.9213	mg/Kg	1000	
ECC050305D101 (post)	12	5/5/2005	SW6010B	COBALT (TOTAL)	6.6		0.25	4.6064	mg/Kg	500	
ECC050305D101 (post)	12	5/5/2005	SW6010B	COPPER (TOTAL)	158		0.24	2.3032	mg/Kg	1000	
ECC050305D101 (post)	12	5/5/2005	SW6010B	IRON (TOTAL)	17400		3.5	9.2129	mg/Kg		
ECC050305D101 (post)	12	5/5/2005	SW6010B	LEAD (TOTAL)	22.7		0.27	0.2764	mg/Kg	300	
ECC050305D101 (post)	12	5/5/2005	SW6010B	MAGNESIUM (TOTAL)	1800		19.4	460.6427	mg/Kg		
ECC050305D101 (post)	12	5/5/2005	SW6010B	MANGANESE (TOTAL)	178		0.065	1.3819	mg/Kg		
ECC050305D101 (post)	12	5/5/2005	SW7471A	MERCURY (TOTAL)	0.36		0.018	0.0429	mg/Kg	20	
ECC050305D101 (post)	12	5/5/2005	SW6010B	MOLYBDENUM (TOTAL)	2.2		0.18	0.9213	mg/Kg		
ECC050305D101 (post)	12	5/5/2005	SW6010B	NICKEL (TOTAL)	7.6		0.28	3.6851	mg/Kg	300	

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 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
ECC050305D101 (post)	12	5/5/2005	SW6010B	POTASSIUM (TOTAL)	587		39.1	460.6427	mg/Kg		
ECC050305D101 (post)	12	5/5/2005	SW6010B	THALLIUM (TOTAL)	1		0.78	0.9213	mg/Kg	8	
ECC050305D101 (post)	12	5/5/2005	SW6010B	VANADIUM (TOTAL)	20.4		0.25	4.6064	mg/Kg	400	
ECC050305D101 (post)	12	5/5/2005	SW6010B	ZINC (TOTAL)	44.8		0.15	1.8426	mg/Kg	2500	
ECC050305D101 (post)	12	5/5/2005	SW8270C	Non-Detect on all 86 analytes	ND	U			ug/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005		PERCHLORATE	0.44	J	0.111	0.92	ug/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW9012A	Non-Detect on CYANIDE	ND	U	0.53	0.53	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	2000		31	120.00	ug/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	600		17	120.00	ug/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	ALUMINUM (TOTAL)	11900		7.9	17.88	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	ANTIMONY (TOTAL)	1.2	J	0.37	5.36	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	ARSENIC (TOTAL)	3.8		0.38	0.89	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	BARIUM (TOTAL)	28.3		0.75	17.88	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	BERYLLIUM (TOTAL)	0.37	J	0.018	0.45	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	CALCIUM (TOTAL)	677		18.9	447.06	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	CHROMIUM (TOTAL)	12.5		0.11	0.89	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	COBALT (TOTAL)	3.5	J	0.24	4.47	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	COPPER (TOTAL)	21.2		0.23	2.24	mg/Kg		

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

ECC

APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	IRON (TOTAL)	13100		3.4	8.94	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	LEAD (TOTAL)	91.1	J	0.26	0.27	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	MAGNESIUM (TOTAL)	1520		18.8	447.06	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	MANGANESE (TOTAL)	86.3	J	0.063	1.34	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW7471A	MERCURY (TOTAL)	0.025	J	0.016	0.15	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	MOLYBDENUM (TOTAL)	0.68	J	0.18	0.89	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	NICKEL (TOTAL)	6.5		0.27	3.58	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	POTASSIUM (TOTAL)	872		38	447.06	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	SELENIUM (TOTAL)	0.47		0.34	0.45	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	VANADIUM (TOTAL)	19.8		0.24	4.47	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW6010B	ZINC (TOTAL)	30.2		0.14	1.79	mg/Kg		
Q22PB_053105	24, 26, 28, 30, 37, 38, 39, 40	5/31/2005	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
Q41PB_053105	45, 46, 47	5/31/2005		PERCHLORATE	2		0.12	1.00	ug/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW9012A	Non-Detect on CYANIDE	ND	U	0.59	0.59	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	560		31	120.00	ug/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	270		17	120.00	ug/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	ALUMINUM (TOTAL)	9870		9	20.44	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	ANTIMONY (TOTAL)	1.5	J	0.42	6.13	mg/Kg		

DL = Detection Limit
 RL = Reporting Limit
 J = Estimated
 ND = Non Detect
 U = Undetected

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APPENDIX C-7 Post-BIP Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std	> Soil RCS-1 Std
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	ARSENIC (TOTAL)	3.7		0.43	1.02	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	BARIUM (TOTAL)	83.1		0.86	20.44	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	BERYLLIUM (TOTAL)	0.41	J	0.02	0.51	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	CADMIUM (TOTAL)	1		0.061	0.51	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	CALCIUM (TOTAL)	617		21.6	511.02	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	CHROMIUM (TOTAL)	13		0.12	1.02	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	COBALT (TOTAL)	2.8	J	0.28	5.11	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	COPPER (TOTAL)	75.9		0.27	2.56	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	IRON (TOTAL)	13500		3.9	10.22	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	LEAD (TOTAL)	35.6		0.3	0.31	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	MAGNESIUM (TOTAL)	1100		21.5	511.02	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	MANGANESE (TOTAL)	532		0.071	1.53	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW7471A	MERCURY (TOTAL)	2.5		0.017	0.16	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	MOLYBDENUM (TOTAL)	0.69	J	0.2	1.02	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	NICKEL (TOTAL)	8		0.31	4.09	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	POTASSIUM (TOTAL)	585		43.4	511.02	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	SILVER (TOTAL)	2.1		0.18	1.02	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	VANADIUM (TOTAL)	18.4		0.28	5.11	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW6010B	ZINC (TOTAL)	73	J	0.16	2.04	mg/Kg		
Q41PB_053105	45, 46, 47	5/31/2005	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		

Notes:**RCS-1: Massachusetts Residential S-1 standard***DL = Detection Limit**RL = Reporting Limit**J = Estimated**ND = Non Detect**U = Undetected**mg/Kg = milligram/kilogram**ug/Kg = microgram/kilogram*

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APPENDIX C-8
BIP - Supplemental Sample Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (see Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std.	> Soil RCS-1 Std.
SSD1D5022-SS1	4	6/8/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	200		31	120	ug/Kg	100000	
SSD1D5022-SS1	4	6/8/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	140		17	120	ug/Kg		
SSD1D5022-SS2	4	6/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
SSD1D5022-SS2 FD	4	6/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
SSD1D5022-SS3	4	6/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
SSD1D5022-SS4	4	6/8/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	160		31	120	ug/Kg	100000	
SSD1D5022-SS5	4	6/8/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	220		16	120	ug/Kg		
SSD1D5022-SS5	4	6/8/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	130		18	120	ug/Kg		
SSD1D5022-SS5	4	6/8/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	330		31	120	ug/Kg	100000	
SSD1D5022-SS5	4	6/8/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	190		17	120	ug/Kg		
SSD1D5022-SS6	4	6/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
SSD1D5022-SS7	4	6/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
SSD1D5022-SS8	4	6/8/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	200		31	120	ug/Kg	100000	
SSD1D5022-SS8	4	6/8/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TETRAZOCINE	240		17	120	ug/Kg		
ECC092403DM01-SS1	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
ECC092403DM01-SS1	31	5/6/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
ECC092403DM01-SS2	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
ECC092403DM01-SS2	31	5/6/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
ECC092403DM01-SS3	31	5/6/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	140		9.03	120	ug/Kg		
ECC092403DM01-SS3	31	5/6/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
ECC092403DM01-SS4	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
ECC092403DM01-SS4	31	5/6/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
ECC092403DM01-SS5	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
ECC092403DM01-SS5	31	5/6/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
ECC092403DM01-SS6	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
ECC092403DM01-SS6	31	5/6/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
ECC092403DM01-SS7	31	5/6/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	330		9.03	120	ug/Kg		
ECC092403DM01-SS7	31	5/6/2004	SW8330	4-AMINO-2,6-DINITROTOLUENE	280		8.53	120	ug/Kg		

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-8
BIP - Supplemental Sample Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (see Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std.	> Soil RCS-1 Std
ECC092403DM01-SS7	31	5/6/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		
ECC092403DM01-SS8	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg		
ECC092403DM01-SS8	31	5/6/2004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg		

Notes:**RCS-1: Massachusetts Residential S-1 standard**

DL = Detection Limit
RL = Reporting Limit
J = Estimated
ND = Non Detect
U = Undetected

ECC

APPENDIX C-9
BIP- Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std.
ECC030405D101-A	4	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC030405D101-B	4	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC030405D101-C	4	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
SSD15022-SS5-2	4	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
SSD15022-SS8-2	4	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
Q22POST-A	24, 26, 28, 30, 37, 38, 39, 40	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
Q22POST-B	24, 26, 28, 30, 37, 38, 39, 40	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
Q22POST-C	24, 26, 28, 30, 37, 38, 39, 40	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
SSD1PB022-SS5	24, 26, 28, 30, 37, 38, 39, 40	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
SSD1PB022-SS6	24, 26, 28, 30, 37, 38, 39, 40	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
SSD1PB022-SS7	24, 26, 28, 30, 37, 38, 39, 40	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
SSD1PB022-SS8	24, 26, 28, 30, 37, 38, 39, 40	7/18/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
Q41POST-A	45, 46, 47	7/18/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	180		15	120	ug/Kg	100000
Q41POST-B	45, 46, 47	7/18/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	240		15	120	ug/Kg	100000
Q41POST-C	45, 46, 47	7/18/2005	SW8330	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	230		15	120	ug/Kg	100000
Q41POST-B	45, 46, 47	7/18/2005	SW8330	OCTAHYDRO-1,3,5,7-TETRAZOCINE	140		10	120	ug/Kg	
Q41POST-A02	45, 46, 47	7/29/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
Q41POST-B02	45, 46, 47	7/29/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
Q41POST-C02	45, 46, 47	7/29/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS1	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS2	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS3	31	5/6/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	140				ug/Kg	
ECC092403DM01-SS4	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS5	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS6	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS7	31	5/6/2004	SW8330	2-AMINO-4,6-DINITROTOLUENE	330				ug/Kg	
ECC092403DM01-SS7	31	5/6/2004	SW8330	4-AMINO-2,6-DINITROTOLUENE	280		8.53	120	ug/Kg	
ECC092403DM01-SS8	31	5/6/2004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS9	31	11/1/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	

DL = Detection Limit
 RL = Reporting Limit

ND = Non Detect
 U = Undetected
 ug/Kg = microgram/kilogram

ECC

APPENDIX C-9
BIP- Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std.
ECC092403DM01-SS10	31	11/1/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	460				ug/Kg	
ECC092403DM01-SS10	31	11/1/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	300		8.53	120	ug/Kg	
ECC092403DM01-SS10	31	11/1/2005	SW8330	Non-Detect on all other analytes	ND	U			ug/Kg	
ECC092403DM01-SS11	31	11/1/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE1a	31	11/1/2005	SW8330	2,4,6-TRINITROTOLUENE	110,000				ug/Kg	100000
ECC092403DM01-PE1a	31	11/1/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	2300				ug/Kg	
ECC092403DM01-PE1a	31	11/1/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	2000		8.53	120	ug/Kg	
ECC092403DM01-PE1a	31	11/1/2005	SW8330	Non-Detect on all other explosive analytes	ND	U			ug/Kg	
ECC092403DM01-PE1b	31	11/8/2005	SW8330	2,4,6-TRINITROTOLUENE	1,400,000				ug/Kg	100000
				2-AMINO-4,6-DINITROTOLUENE	5000				ug/Kg	
				4-AMINO-2,6-DINITROTOLUENE	6800				ug/Kg	
				2,4-DINITROTOLUENE	1400				ug/Kg	700
				HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	270				ug/Kg	100000
ECC092403DM01-PE1b FD		11/8/2005	SW8330	2,4,6-TRINITROTOLUENE	920,000				ug/Kg	100000
				2-AMINO-4,6-DINITROTOLUENE	4200				ug/Kg	
				4-AMINO-2,6-DINITROTOLUENE	4800				ug/Kg	
				2,4-DINITROTOLUENE	900				ug/Kg	700
				HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	200				ug/Kg	100000
ECC092403DM01-PE1c		11/15/2005	SW8330	2,4,6-TRINITROTOLUENE	3,700				ug/Kg	100000
				2-AMINO-4,6-DINITROTOLUENE	170				ug/Kg	
				4-AMINO-2,6-DINITROTOLUENE	150				ug/Kg	
ECC092403DM01-PE1d		11/15/2005	SW8330	2,4,6-TRINITROTOLUENE	3,400				ug/Kg	100000
ECC092403DM01-PE1e		11/15/2005	SW8330	2,4,6-TRINITROTOLUENE	510				ug/Kg	100000
ECC092403DM01-PE1f		11/23/2005	SW8330	2,4,6-TRINITROTOLUENE	130,000				ug/Kg	100000
			SW8330	2-AMINO-4,6-DINITROTOLUENE	580				ug/Kg	
			SW8330	4-AMINO-2,6-DINITROTOLUENE	950				ug/Kg	
ECC092403DM01-PE1g		11/23/2005	SW8330	2,4,6-TRINITROTOLUENE	560				ug/Kg	100000
			SW8330	Non-Detect or < RL all OTHER explosive analytes	ND	U			ug/Kg	
ECC092403DM01-PE1h		12/2/2005	SW8330	2,4,6-TRINITROTOLUENE	3,300				ug/Kg	100000
			SW8330	2-AMINO-4,6-DINITROTOLUENE	120				ug/Kg	
ECC092403DM01-PE1i		12/7/2005	SW8330	2,4,6-TRINITROTOLUENE	430,000				ug/Kg	100000
				2-AMINO-4,6-DINITROTOLUENE	3800				ug/Kg	
				2,4-DINITROTOLUENE	2400				ug/Kg	700

DL = Detection Limit
 RL = Reporting Limit

ND = Non Detect
 U = Undetected
 ug/Kg = microgram/kilogram

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APPENDIX C-9
BIP- Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std.
				HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE (RDX)	590				ug/Kg	100000
ECC092403DM01-PE1j		12/7/2005	SW8330	2,4,6-TRINITROTOLUENE	6300				ug/Kg	100000
				Non-Detect or < RL all OTHER explosive analytes	ND	U			ug/Kg	
ECC092403DM01-PE1k		12/7/2005	SW8330	2,4,6-TRINITROTOLUENE	730				ug/Kg	100000
				Non-Detect or < RL all OTHER explosive analytes	ND	U			ug/Kg	
ECC092405DM01-PE1l		12/13/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE2a		11/1/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE2b		11/8/2005	SW8330	2,4,6-TRINITROTOLUENE	260				ug/Kg	100000
ECC092403DM01-PE2c		11/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE2d		11/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE2e		11/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE3a		11/1/2005	SW8330	2,4,6-TRINITROTOLUENE	2,600				ug/Kg	100000
ECC092403DM01-PE3a		11/1/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	610				ug/Kg	
ECC092403DM01-PE3a		11/1/2005	SW8330	4-AMINO-2,6-DINITROTOLUENE	420		8.53	120	ug/Kg	
ECC092403DM01-PE3a		11/1/2005	SW8330	Non-Detect on all other explosive analytes	ND	U			ug/Kg	
ECC092403DM01-PE3b		11/8/2005	SW8330	2,4,6-TRINITROTOLUENE	45,000				ug/Kg	100000
				2-AMINO-4,6-DINITROTOLUENE	370				ug/Kg	
				4-AMINO-2,6-DINITROTOLUENE	440				ug/Kg	
ECC092403DM01-PE3c		11/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE3d		11/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE3e		11/15/2005	SW8330	2,4,6-TRINITROTOLUENE	650				ug/Kg	100000
ECC092403DM01-PE3f		11/23/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE4a		11/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE5a		11/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE6a		11/8/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	140				ug/Kg	
ECC092403DM01-PE6b		11/23/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-PE6b FD		11/23/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS12		11/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS13		11/8/2005	SW8330	2,4,6-TRINITROTOLUENE	140				ug/Kg	100000
				2-AMINO-4,6-DINITROTOLUENE	390				ug/Kg	
				4-AMINO-2,6-DINITROTOLUENE	230				ug/Kg	
ECC092403DM01-SS14		11/8/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	

DL = Detection Limit
 RL = Reporting Limit

ND = Non Detect
 U = Undetected
 ug/Kg = microgram/kilogram

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APPENDIX C-9
BIP- Post Soil Excavation Sample Results

Demolition Area 1 Source Area COWR

Sample ID	BIP Number (from Table 3-12)	Date	Test	Analyte	Result	Qual	DL	RL	Units	Soil RCS-1 Std.
ECC092403DM01-SS15		11/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS15 FD		11/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS16		11/15/2005	SW8330	2,4,6-TRINITROTOLUENE	730				ug/Kg	100000
ECC092403DM01-SS16b		11/23/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS17		11/15/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS18		11/23/2005	SW8330	2-AMINO-4,6-DINITROTOLUENE	120				ug/Kg	
ECC092403DM01-SS19		11/23/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
ECC092403DM01-SS20		11/23/2005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg	
Notes: RCS-1: Massachusetts Residential S-1 standard										

DL = Detection Limit
 RL = Reporting Limit

ND = Non Detect
 U = Undetected
 ug/Kg = microgram/kilogram

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APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
2/26/2004	TSA022504-001	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
2/26/2004	TSB022604-002	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
2/26/2004	TSB022604-003	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
2/27/2004	TSB022604-004	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
2/27/2004	TSB022604-004	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.6	ug/Kg
2/27/2004	TSC022704-005	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
2/27/2004	TSC022704-006	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
2/28/2004	TSC022704-007	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
2/28/2004	TSC022704-008	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
2/28/2004	TSC022704-009	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/2/2004	TSA030404-010	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/3/2004	TSA030204-011	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/3/2004	TSB030304-012	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/4/2004	TSA030304-S001	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/4/2004	TSA030304-S001	SW8270C	2-METHYLPHENOL (O-CRESOL)	67	J	36.7	380	ug/Kg
3/4/2004	TSA030304-S001	SW8270C	4-METHYLPHENOL (P-CRESOL)	270	J	80.8	380	ug/Kg
3/4/2004	TSA030304-S001	SW8270C	ANTHRACENE	55	J	27.5	380	ug/Kg
3/4/2004	TSA030304-S001	SW8270C	BENZOIC ACID	260	J	123	960	ug/Kg
3/4/2004	TSA030304-S001	SW8270C	PHENOL	600		39	380	ug/Kg
3/4/2004	TSA030404-S002	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/4/2004	TSA030404-S002	SW8270C	2-METHYLPHENOL (O-CRESOL)	78	J	36.7	380	ug/Kg
3/4/2004	TSA030404-S002	SW8270C	4-METHYLPHENOL (P-CRESOL)	290	J	80.8	380	ug/Kg
3/4/2004	TSA030404-S002	SW8270C	ANTHRACENE	180	J	27.5	380	ug/Kg
3/4/2004	TSA030404-S002	SW8270C	BENZOIC ACID	340	J	123	940	ug/Kg
3/4/2004	TSA030404-S002	SW8270C	PHENOL	650		39	380	ug/Kg
3/4/2004	TSA030404-S003	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/4/2004	TSA030404-S003	SW8270C	2,4-DIMETHYLPHENOL	78	J	51.8	370	ug/Kg
3/4/2004	TSA030404-S003	SW8270C	2-METHYLPHENOL (O-CRESOL)	100	J	36.7	370	ug/Kg
3/4/2004	TSA030404-S003	SW8270C	4-METHYLPHENOL (P-CRESOL)	350	J	80.8	370	ug/Kg
3/4/2004	TSA030404-S003	SW8270C	ANTHRACENE	280	J	27.5	370	ug/Kg
3/4/2004	TSA030404-S003	SW8270C	PHENOL	780		39	370	ug/Kg
3/4/2004	TSB030304-013	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

DL = Detection Limit

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U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

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APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
3/4/2004	TSB030304-014	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/4/2004	TSB030404-015	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/5/2004	TS 030504-016	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/5/2004	TSBINC_COMP	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/10/2004	TS031004-S004	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg
3/10/2004	TS031004-S005	SW8270C	Non-Detect on all 78 analytes	ND	U			ug/Kg
3/10/2004	TS031004-S006	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/10/2004	TS031004-S006	SW8270C	2-METHYLPHENOL (O-CRESOL)	61	J	36.7	370	ug/Kg
3/10/2004	TS031004-S006	SW8270C	4-METHYLPHENOL (P-CRESOL)	270	J	80.8	370	ug/Kg
3/10/2004	TS031004-S006	SW8270C	ANTHRACENE	36	J	27.5	370	ug/Kg
3/10/2004	TS031004-S006	SW8270C	PHENOL	540		39	370	ug/Kg
3/10/2004	TS031004-S007	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/10/2004	TS031004-S007	SW8270C	2-METHYLPHENOL (O-CRESOL)	41	J	36.7	370	ug/Kg
3/10/2004	TS031004-S007	SW8270C	4-METHYLPHENOL (P-CRESOL)	190	J	80.8	370	ug/Kg
3/10/2004	TS031004-S007	SW8270C	PHENOL	470		39	370	ug/Kg
3/11/2004	TS031104-S008	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/11/2004	TS031104-S009	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/11/2004	TS031104-S010	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/19/2004	TS031904-S011	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/19/2004	TS031904-S011	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.4	5	ug/Kg
3/19/2004	TS031904-S012	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/19/2004	TS031904-S012	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.6	ug/Kg
3/20/2004	TS031904-S013	SW8330	4-NITROTOLUENE	ND	U	350	350	ug/Kg
3/20/2004	TS031904-S013	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.5	5.3	ug/Kg
3/20/2004	TS031904-S014	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/20/2004	TS031904-S014	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.5	5.4	ug/Kg
3/20/2004	TS031904-S015	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/22/2004	TS032204-S016	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/22/2004	TS032204-S016	SW8270C	2-METHYLPHENOL (O-CRESOL)	50	J	36.7	360	ug/Kg
3/22/2004	TS032204-S016	SW8270C	4-METHYLPHENOL (P-CRESOL)	190	J	80.8	360	ug/Kg
3/22/2004	TS032204-S016	SW8270C	ANTHRACENE	38	J	27.5	360	ug/Kg
3/22/2004	TS032204-S016	SW8270C	NAPHTHALENE	60	J	29.8	360	ug/Kg

DL = Detection Limit

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J = Estimated

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U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

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APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
3/22/2004	TS032204-S016	SW8270C	PHENOL	840		39	360	ug/Kg
3/22/2004	TS032204-S017	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/22/2004	TS032204-S018	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/22/2004	TS032204-S019	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/22/2004	TS032204-S020	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/22/2004	TS032204-S020	SW8270C	2,4-DIMETHYLPHENOL	100	J	51.8	380	ug/Kg
3/22/2004	TS032204-S020	SW8270C	2-METHYLPHENOL (O-CRESOL)	120	J	36.7	380	ug/Kg
3/22/2004	TS032204-S020	SW8270C	4-METHYLPHENOL (P-CRESOL)	480		80.8	380	ug/Kg
3/22/2004	TS032204-S020	SW8270C	ANTHRACENE	140	J	27.5	380	ug/Kg
3/22/2004	TS032204-S020	SW8270C	BENZOIC ACID	280	J	123	960	ug/Kg
3/22/2004	TS032204-S020	SW8270C	PHENOL	1100		39	380	ug/Kg
3/31/2004	TS033004-017	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/31/2004	TS033004-019	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/31/2004	TS033104-018	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/31/2004	TS033104-020	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
3/31/2004	TS033104-020	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.8	ug/Kg
4/1/2004	TS033104-021	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS033104-021	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.5	5.5	ug/Kg
4/1/2004	TS033104-022	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS033104-022	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.7	ug/Kg
4/1/2004	TS040104-024	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-024	SW8270C	4-METHYLPHENOL (P-CRESOL)	170	J	92.9	380	ug/Kg
4/1/2004	TS040104-024	SW8270C	BENZOIC ACID	610	J	141	950	ug/Kg
4/1/2004	TS040104-024	SW8270C	PHENOL	650		44.8	380	ug/Kg
4/1/2004	TS040104-025	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-025	SW8270C	4-METHYLPHENOL (P-CRESOL)	140	J	87.8	360	ug/Kg
4/1/2004	TS040104-025	SW8270C	BENZOIC ACID	190	J	134	900	ug/Kg
4/1/2004	TS040104-025	SW8270C	PHENOL	570		42.4	360	ug/Kg
4/1/2004	TS040104-026	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-026	SW8270C	4-METHYLPHENOL (P-CRESOL)	130	J	92.6	380	ug/Kg
4/1/2004	TS040104-026	SW8270C	BENZOIC ACID	430	J	141	950	ug/Kg
4/1/2004	TS040104-026	SW8270C	PHENOL	580		44.7	380	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

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APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
4/1/2004	TS040104-027	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-027	SW8321A	PERCHLORATE	1.9	J	1.6	5.7	ug/Kg
4/1/2004	TS040104-027	SW8270C	4-METHYLPHENOL (P-CRESOL)	100	J	91.8	380	ug/Kg
4/1/2004	TS040104-027	SW8270C	BENZOIC ACID	220	J	140	940	ug/Kg
4/1/2004	TS040104-027	SW8270C	PHENOL	570		44.3	380	ug/Kg
4/1/2004	TS040104-028	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-028	SW8270C	4-METHYLPHENOL (P-CRESOL)	140	J	89.8	370	ug/Kg
4/1/2004	TS040104-028	SW8270C	BENZOIC ACID	310	J	137	920	ug/Kg
4/1/2004	TS040104-028	SW8270C	PHENOL	630		43.3	370	ug/Kg
4/1/2004	TS040104-029	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-029	SW8270C	4-METHYLPHENOL (P-CRESOL)	170	J	92.9	380	ug/Kg
4/1/2004	TS040104-029	SW8270C	BENZOIC ACID	560	J	141	950	ug/Kg
4/1/2004	TS040104-029	SW8270C	PHENOL	610		44.8	380	ug/Kg
4/1/2004	TS040104-030	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-030	SW8321A	PERCHLORATE	2.8	J	1.7	6.1	ug/Kg
4/1/2004	TS040104-030	SW8270C	2-METHYLPHENOL (O-CRESOL)	64	J	42.7	380	ug/Kg
4/1/2004	TS040104-030	SW8270C	4-METHYLPHENOL (P-CRESOL)	220	J	94	380	ug/Kg
4/1/2004	TS040104-030	SW8270C	PHENOL	700		45.3	380	ug/Kg
4/1/2004	TS040104-031	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-031	SW8321A	PERCHLORATE	2.8	J	1.6	5.8	ug/Kg
4/1/2004	TS040104-031	SW8270C	2-METHYLPHENOL (O-CRESOL)	59	J	42.7	380	ug/Kg
4/1/2004	TS040104-031	SW8270C	4-METHYLPHENOL (P-CRESOL)	250	J	94	380	ug/Kg
4/1/2004	TS040104-031	SW8270C	BENZOIC ACID	390	J	143	960	ug/Kg
4/1/2004	TS040104-031	SW8270C	PHENOL	830		45.3	380	ug/Kg
4/1/2004	TS040104-032	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/1/2004	TS040104-032	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.9	ug/Kg
4/1/2004	TS040104-032	SW8270C	2-METHYLPHENOL (O-CRESOL)	69	J	42.7	380	ug/Kg
4/1/2004	TS040104-032	SW8270C	4-METHYLPHENOL (P-CRESOL)	250	J	94	380	ug/Kg
4/1/2004	TS040104-032	SW8270C	BENZOIC ACID	440	J	143	960	ug/Kg
4/1/2004	TS040104-032	SW8270C	PHENOL	900		45.3	380	ug/Kg
4/2/2004	TS040204-033	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-033	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.6	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

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APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
4/2/2004	TS040204-034	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-034	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.6	ug/Kg
4/2/2004	TS040204-035	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-035	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.8	ug/Kg
4/2/2004	TS040204-36	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-36	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.7	ug/Kg
4/2/2004	TS040204-37	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-37	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.5	5.5	ug/Kg
4/2/2004	TS040204-38	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-38	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.7	ug/Kg
4/2/2004	TS040204-39	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-39	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.6	ug/Kg
4/2/2004	TS040204-40	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-40	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.7	ug/Kg
4/2/2004	TS040204-41	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/2/2004	TS040204-41	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.7	ug/Kg
4/3/2004	TS040204-042	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/3/2004	TS040204-042	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.6	ug/Kg
4/3/2004	TS040204-043	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/3/2004	TS040204-043	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.5	5.5	ug/Kg
4/3/2004	TS040204-044	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/3/2004	TS040204-044	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.6	5.7	ug/Kg
4/3/2004	TS040204-045	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
4/3/2004	TS040204-045	SW8321A	Non-Detect on PERCHLORATE	ND	U	1.5	5.4	ug/Kg
7/8/2004	TS070704-001a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/8/2004	TS070704-001b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/8/2004	TS070704-001c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/8/2004	TS070704-001d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/8/2004	TS070704-001e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/8/2004	TS070704-001x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/9/2004	TS070804-002a	M8321A	PERCHLORATE	0.46	J	0.36	2.2	ug/Kg
7/9/2004	TS070804-002c	M8321A	PERCHLORATE	1.1	J	0.36	2.3	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
7/9/2004	TS070804-002d	M8321A	PERCHLORATE	0.61	J	0.35	2.2	ug/Kg
7/9/2004	TS070804-002e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/9/2004	TS070804-002x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/10/2004	TS070904-003a	M8321A	PERCHLORATE	0.36	J	0.35	2.2	ug/Kg
7/10/2004	TS070904-003b	M8321A	PERCHLORATE	0.53	J	0.35	2.2	ug/Kg
7/10/2004	TS070904-003c	M8321A	PERCHLORATE	2.4		0.37	2.3	ug/Kg
7/10/2004	TS070904-003d	M8321A	PERCHLORATE	2.9		0.35	2.2	ug/Kg
7/10/2004	TS070904-003e	M8321A	PERCHLORATE	0.8	J	0.36	2.3	ug/Kg
7/10/2004	TS070904-003x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/12/2004	TS071004-004a	M8321A	PERCHLORATE	0.4	J	0.36	2.3	ug/Kg
7/12/2004	TS071004-004b	M8321A	PERCHLORATE	0.68	J	0.35	2.2	ug/Kg
7/12/2004	TS071004-004c	M8321A	PERCHLORATE	0.56	J	0.36	2.2	ug/Kg
7/12/2004	TS071004-004d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/12/2004	TS071004-004e	M8321A	PERCHLORATE	0.44	J	0.36	2.2	ug/Kg
7/12/2004	TS071004-004x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/12/2004	TS071104-005a	M8321A	PERCHLORATE	0.74	J	0.35	2.2	ug/Kg
7/12/2004	TS071104-005b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/12/2004	TS071104-005c	M8321A	PERCHLORATE	0.37	J	0.35	2.2	ug/Kg
7/12/2004	TS071104-005d	M8321A	PERCHLORATE	1.1	J	0.36	2.3	ug/Kg
7/12/2004	TS071104-005e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/12/2004	TS071104-005x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/13/2004	TS071204-006a	M8321A	PERCHLORATE	0.37	J	0.36	2.2	ug/Kg
7/13/2004	TS071204-006b	M8321A	PERCHLORATE	0.41	J	0.35	2.2	ug/Kg
7/13/2004	TS071204-006c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
7/13/2004	TS071204-006d	M8321A	PERCHLORATE	1.3	J	0.35	2.2	ug/Kg
7/13/2004	TS071204-006e	M8321A	PERCHLORATE	0.44	J	0.35	2.2	ug/Kg
7/13/2004	TS071204-006x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/14/2004	TS01304-007x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/14/2004	TS071304-007a	M8321A	PERCHLORATE	0.72	J	0.35	2.2	ug/Kg
7/14/2004	TS071304-007b	M8321A	PERCHLORATE	0.44	J	0.37	2.3	ug/Kg
7/14/2004	TS071304-007d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/14/2004	TS071304-007e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg

DL = Detection Limit

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ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
7/15/2004	TS071304-008a	M8321A	PERCHLORATE	1.1	J	0.36	2.2	ug/Kg
7/15/2004	TS071304-008b	M8321A	PERCHLORATE	1	J	0.36	2.2	ug/Kg
7/15/2004	TS071304-008c	M8321A	PERCHLORATE	0.86	J	0.35	2.2	ug/Kg
7/15/2004	TS071304-008d	M8321A	PERCHLORATE	1.1	J	0.36	2.3	ug/Kg
7/15/2004	TS071304-008x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/15/2004	TS071404-009a	M8321A	PERCHLORATE	0.93	J	0.36	2.2	ug/Kg
7/15/2004	TS071404-009b	M8321A	PERCHLORATE	1.1	J	0.36	2.2	ug/Kg
7/15/2004	TS071404-009c	M8321A	PERCHLORATE	1.1	J	0.36	2.3	ug/Kg
7/15/2004	TS071404-009x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/17/2004	TS071604-010a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/17/2004	TS071604-010b	M8321A	PERCHLORATE	0.5	J	0.36	2.3	ug/Kg
7/17/2004	TS071604-010c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/17/2004	TS071604-010d	M8321A	PERCHLORATE	1.6	J	0.36	2.2	ug/Kg
7/17/2004	TS071604-010e	M8321A	PERCHLORATE	0.41	J	0.37	2.3	ug/Kg
7/17/2004	TS071604-010f	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/17/2004	TS071604-010x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/19/2004	TS071704-011a	M8321A	PERCHLORATE	0.6	J	0.37	2.3	ug/Kg
7/19/2004	TS071704-011b	M8321A	PERCHLORATE	0.5	J	0.37	2.3	ug/Kg
7/19/2004	TS071704-011c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/19/2004	TS071704-011d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/19/2004	TS071704-011e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/19/2004	TS071704-011x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/19/2004	TS071804-012a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/19/2004	TS071804-012b	M8321A	PERCHLORATE	0.88	J	0.36	2.3	ug/Kg
7/19/2004	TS071804-012c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
7/19/2004	TS071804-012d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/19/2004	TS071804-012e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/19/2004	TS071804-012x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/20/2004	TS071904-013a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/20/2004	TS071904-013b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/20/2004	TS071904-013c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/20/2004	TS071904-013d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.39	2.4	ug/Kg

DL = Detection Limit

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ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
7/20/2004	TS071904-013e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/20/2004	TS071904-013x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/21/2004	TS072004-014a	M8321A	PERCHLORATE	1.3	J	0.36	2.2	ug/Kg
7/21/2004	TS072004-014b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/21/2004	TS072004-014c	M8321A	PERCHLORATE	0.56	J	0.36	2.2	ug/Kg
7/21/2004	TS072004-014d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/21/2004	TS072004-014e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/21/2004	TS072004-014x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/21/2004	TS080804-28a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/21/2004	TS080804-28b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/21/2004	TS080804-28c	M8321A	PERCHLORATE	0.81	J	0.36	2.3	ug/Kg
7/21/2004	TS080804-28d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/21/2004	TS080804-28e	M8321A	PERCHLORATE	0.36	J	0.36	2.2	ug/Kg
7/22/2004	TS072104-15a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/22/2004	TS072104-15b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
7/22/2004	TS072104-15c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/22/2004	TS07210415x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/24/2004	TS072304-016a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/24/2004	TS072304-016b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/24/2004	TS072304-016c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/24/2004	TS072304-016d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/24/2004	TS072304-016e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/24/2004	TS072304-016x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/26/2004	TS072404-017a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/26/2004	TS072404-017b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/26/2004	TS072404-017c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/26/2004	TS072404-017d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/26/2004	TS072404-017e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/26/2004	TS072404-017x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/26/2004	TS072504-018b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.39	2.4	ug/Kg
7/26/2004	TS072504-018c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/26/2004	TS072504-018d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg

DL = Detection Limit

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ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
7/26/2004	TS072504-018e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.2	ug/Kg
7/26/2004	TS072504-018x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/27/2004	TS072604-019a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/27/2004	TS072604-019b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/27/2004	TS072604-019d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
7/27/2004	TS072604-019e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/27/2004	TS072604-019x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/27/2004	TS072704-F15	M8321A	PERCHLORATE	0.37	J	0.34	2.1	ug/Kg
7/31/2004	TS0702704-020x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
7/31/2004	TS072704-020a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
7/31/2004	TS072704-020b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
7/31/2004	TS072704-020c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/2/2004	TS073104-021a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/2/2004	TS073104-021b	M8321A	PERCHLORATE	0.46	J	0.36	2.3	ug/Kg
8/2/2004	TS073104-021c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
8/2/2004	TS073104-021d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/2/2004	TS073104-021x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/2/2004	TS073104-021x-FD	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/2/2004	TS080104-022a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/2/2004	TS080104-022b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/2/2004	TS080104-022c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/2/2004	TS080104-022d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/2/2004	TS080104-022e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/2/2004	TS080104-022X	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/3/2004	TS080204-23a	M8321A	PERCHLORATE	2.3		0.36	2.3	ug/Kg
8/3/2004	TS080204-23b	M8321A	PERCHLORATE	0.43	J	0.36	2.3	ug/Kg
8/3/2004	TS080204-23c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
8/3/2004	TS080204-23d	M8321A	PERCHLORATE	0.42	J	0.36	2.3	ug/Kg
8/3/2004	TS080204-23e	M8321A	PERCHLORATE	0.63	J	0.35	2.2	ug/Kg
8/3/2004	TS080204-23x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/4/2004	TS080304-24a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/4/2004	TS080304-24b	M8321A	PERCHLORATE	0.68	J	0.35	2.2	ug/Kg

DL = Detection Limit

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mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
8/4/2004	TS080304-24c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/4/2004	TS080304-24d	M8321A	PERCHLORATE	0.74	J	0.36	2.3	ug/Kg
8/4/2004	TS080304-24e	M8321A	PERCHLORATE	0.36	J	0.34	2.2	ug/Kg
8/5/2004	TS080304-24x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/6/2004	TS080404-25x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/6/2004	TS080604-25a	M8321A	PERCHLORATE	0.45	J	0.36	2.2	ug/Kg
8/6/2004	TS080604-25b	M8321A	PERCHLORATE	0.47	J	0.35	2.2	ug/Kg
8/6/2004	TS080604-25c	M8321A	PERCHLORATE	0.43	J	0.34	2.2	ug/Kg
8/6/2004	TS080604-25e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/7/2004	TS080504-026a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/7/2004	TS080504-026b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/7/2004	TS080504-026c	M8321A	PERCHLORATE	1.3	J	0.36	2.2	ug/Kg
8/7/2004	TS080504-026d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/7/2004	TS080504-026e	M8321A	PERCHLORATE	0.4	J	0.36	2.3	ug/Kg
8/7/2004	TS080604-026x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/9/2004	TS080704-27a	M8321A	PERCHLORATE	0.38	J	0.36	2.2	ug/Kg
8/9/2004	TS080704-27b	M8321A	PERCHLORATE	2.4		0.36	2.2	ug/Kg
8/9/2004	TS080704-27c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/9/2004	TS080704-27d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/9/2004	TS080704-27e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/9/2004	TS080704-27x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/9/2004	TS080804-28x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/10/2004	TS080404-025d_comp	M8321A	PERCHLORATE	0.76	J	0.34	2.1	ug/Kg
8/10/2004	TS080904-029b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/10/2004	TS080904-029c	M8321A	PERCHLORATE	0.75	J	0.35	2.2	ug/Kg
8/10/2004	TS080904-029d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/10/2004	TS080904-029e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/10/2004	TS080904-029x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/11/2004	TS081004-030x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/11/2004	TS081004-30a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/11/2004	TS081004-30b	M8321A	PERCHLORATE	0.47	J	0.36	2.3	ug/Kg
8/11/2004	TS081004-30c	M8321A	PERCHLORATE	0.45	J	0.37	2.3	ug/Kg

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ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
8/11/2004	TS081004-30d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/11/2004	TS081004-30e	M8321A	PERCHLORATE	0.42	J	0.36	2.2	ug/Kg
8/13/2004	TS081204031bb(2)	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/13/2004	TS081204031c(2)	M8321A	PERCHLORATE	1.8	J	0.37	2.3	ug/Kg
8/13/2004	TS081204031cc(2)	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/13/2004	TS081204-31a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/13/2004	TS081204-31b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.32	2	ug/Kg
8/13/2004	TS081204-31c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.32	2	ug/Kg
8/13/2004	TS081204-31d	M8321A	PERCHLORATE	1.9	J	0.36	2.2	ug/Kg
8/13/2004	TS081204-31e	M8321A	PERCHLORATE	0.85	J	0.35	2.2	ug/Kg
8/13/2004	TS081204-31x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/14/2004	TS081304-032aa	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/14/2004	TS081304-32b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/14/2004	TS081304-32c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/14/2004	TS081304-32d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/14/2004	TS081304-32e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/14/2004	TS081304-32x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/16/2004	TS081404-033a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/16/2004	TS081404-033b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/16/2004	TS081404-033c	M8321A	PERCHLORATE	0.94	J	0.36	2.2	ug/Kg
8/16/2004	TS081404-033d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
8/16/2004	TS081404-033e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/16/2004	TS081404-33x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/17/2004	TS081604-34a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
8/17/2004	TS081604-34b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/17/2004	TS081604-34c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/17/2004	TS081604-34d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/17/2004	TS081604-34e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/17/2004	TS081604-34x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/19/2004	TS081704-035a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
8/19/2004	TS081704-035b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
8/19/2004	TS081704-035c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
8/19/2004	TS081704-035d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
8/19/2004	TS081704-035e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
8/19/2004	TS081704-035x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
8/19/2004	TS081804-036a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
8/19/2004	TS081804-036b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/19/2004	TS081804-036c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
8/19/2004	TS081804-036x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/20/2004	TS091504-037a	M8321A	PERCHLORATE	0.65	J	0.37	2.3	ug/Kg
9/20/2004	TS091504-037b	M8321A	PERCHLORATE	0.38	J	0.36	2.3	ug/Kg
9/20/2004	TS091504-037c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/20/2004	TS091504-037d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
9/20/2004	TS091504-037e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/20/2004	TS091504-037x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/20/2004	TS091804-038a	M8321A	PERCHLORATE	0.37	J	0.37	2.3	ug/Kg
9/20/2004	TS091804-038b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/20/2004	TS091804-038c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/20/2004	TS091804-038d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
9/20/2004	TS091804-038e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.4	2.5	ug/Kg
9/20/2004	TS091804-038x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/20/2004	TS091804-038x	SW8270C	BENZOIC ACID	350	J	123	950	ug/Kg
9/21/2004	TS092004-039a	M8321A	PERCHLORATE	0.4	J	0.35	2.2	ug/Kg
9/21/2004	TS092004-039b	M8321A	PERCHLORATE	0.35	J	0.34	2.1	ug/Kg
9/21/2004	TS092004-039c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
9/21/2004	TS092004-039d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/21/2004	TS092004-039e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/21/2004	TS092004-039x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/22/2004	TS092204-040a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/22/2004	TS092204-040b	M8321A	PERCHLORATE	0.47	J	0.36	2.3	ug/Kg
9/22/2004	TS092204-040c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
9/22/2004	TS092204-040d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
9/22/2004	TS092204-040e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/22/2004	TS092204-040x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

DL = Detection Limit

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ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
9/24/2004	TS092204-041a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
9/24/2004	TS092204-041c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/24/2004	TS092204-041d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/24/2004	TS092204-041e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
9/24/2004	TS092204-041x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/25/2004	TS092404-042a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
9/25/2004	TS092404-042b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
9/25/2004	TS092404-042c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/25/2004	TS092404-042d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
9/25/2004	TS092404-042e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
9/25/2004	TS092404-042x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/27/2004	TS092504-043a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
9/27/2004	TS092504-043b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/27/2004	TS092504-043c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.3	ug/Kg
9/27/2004	TS092504-043d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
9/27/2004	TS092504-043e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/27/2004	TS092504-043x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/27/2004	TS092604-044a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
9/27/2004	TS092604-044b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
9/27/2004	TS092604-044c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/27/2004	TS092604-044d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/27/2004	TS092604-044e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/27/2004	TS092604-044x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/28/2004	TS092704-045a	M8321A	PERCHLORATE	1.9	J	0.36	2.2	ug/Kg
9/28/2004	TS092704-045b	M8321A	PERCHLORATE	2.1	J	0.37	2.3	ug/Kg
9/28/2004	TS092704-045c	M8321A	PERCHLORATE	1.7	J	0.35	2.2	ug/Kg
9/28/2004	TS092704-045DD	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/28/2004	TS092704-045EE	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
9/28/2004	TS092704-045x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
9/29/2004	TS092804-046a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/29/2004	TS092804-046b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
9/29/2004	TS092804-046c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg

DL = Detection Limit

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ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
9/29/2004	TS092804-046d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/29/2004	TS092804-046e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
9/29/2004	TS092804-046x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/2/2004	TS100104-047a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
10/2/2004	TS100104-047b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
10/2/2004	TS100104-047c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
10/2/2004	TS100104-047d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
10/2/2004	TS100104-047e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
10/2/2004	TS100104-047x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/4/2004	TS100204-048a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
10/4/2004	TS100204-048a	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100204-048b	M8321A	PERCHLORATE	0.86	J	0.37	2.3	ug/Kg
10/4/2004	TS100204-048b	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100204-048c	M8321A	PERCHLORATE	0.64	J	0.36	2.3	ug/Kg
10/4/2004	TS100204-048c	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100204-048d	M8321A	PERCHLORATE	0.79	J	0.37	2.3	ug/Kg
10/4/2004	TS100204-048d	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100204-048e	M8321A	PERCHLORATE	0.72	J	0.37	2.3	ug/Kg
10/4/2004	TS100204-048e	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100204-048x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/4/2004	TS100304-049a	M8321A	PERCHLORATE	0.78	J	0.37	2.3	ug/Kg
10/4/2004	TS100304-049a	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100304-049b	M8321A	PERCHLORATE	1.3	J	0.37	2.3	ug/Kg
10/4/2004	TS100304-049b	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100304-049c	M8321A	PERCHLORATE	1.1	J	0.37	2.3	ug/Kg
10/4/2004	TS100304-049c	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100304-049d	M8321A	PERCHLORATE	1.1	J	0.36	2.3	ug/Kg
10/4/2004	TS100304-049d	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100304-049e	M8321A	PERCHLORATE	0.81	J	0.37	2.3	ug/Kg
10/4/2004	TS100304-049e	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/4/2004	TS100304-049x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/5/2004	TS100404-050a	M8321A	PERCHLORATE	1.7	J	0.36	2.3	ug/Kg

DL = Detection Limit

RL = Reporting Limit

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ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
10/5/2004	TS100404-050b	M8321A	PERCHLORATE	1.9	J	0.37	2.3	ug/Kg
10/5/2004	TS100404-050c	M8321A	PERCHLORATE	1.8	J	0.37	2.3	ug/Kg
10/5/2004	TS100404-050d	M8321A	PERCHLORATE	1.7	J	0.38	2.3	ug/Kg
10/5/2004	TS100404-050e	M8321A	PERCHLORATE	1.7	J	0.38	2.4	ug/Kg
10/5/2004	TS100404-050x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/5/2004	TS100404-050x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/6/2004	TS100504-051a	M8321A	PERCHLORATE	0.62	J	0.36	2.3	ug/Kg
10/6/2004	TS100504-051b	M8321A	PERCHLORATE	0.39	J	0.36	2.3	ug/Kg
10/6/2004	TS100504-051c	M8321A	PERCHLORATE	0.81	J	0.37	2.3	ug/Kg
10/6/2004	TS100504-051d	M8321A	PERCHLORATE	0.97	J	0.38	2.4	ug/Kg
10/6/2004	TS100504-051e	M8321A	PERCHLORATE	2.5		0.38	2.4	ug/Kg
10/6/2004	TS100504-051x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/6/2004	TS100504-051x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/7/2004	TS100604-052a	M8321A	PERCHLORATE	1.2	J	0.39	2.4	ug/Kg
10/7/2004	TS100604-052b	M8321A	PERCHLORATE	0.93	J	0.36	2.2	ug/Kg
10/7/2004	TS100604-052c	M8321A	PERCHLORATE	1.7	J	0.37	2.3	ug/Kg
10/7/2004	TS100604-052d	M8321A	PERCHLORATE	1.6	J	0.37	2.3	ug/Kg
10/7/2004	TS100604-052e	M8321A	PERCHLORATE	1.2	J	0.39	2.5	ug/Kg
10/7/2004	TS100604-052x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/7/2004	TS100604-052x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/8/2004	TS100404-053a	M8321A	PERCHLORATE	0.96	J	0.38	2.4	ug/Kg
10/8/2004	TS100404-053b	M8321A	PERCHLORATE	1.2	J	0.37	2.3	ug/Kg
10/8/2004	TS100404-053c	M8321A	PERCHLORATE	0.86	J	0.38	2.4	ug/Kg
10/8/2004	TS100704-053x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/8/2004	TS100704-053x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/11/2004	TS101004-054x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/11/2004	TS101004-054x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/12/2004	TS101104-055a	M8321A	PERCHLORATE	0.89	J	0.37	2.3	ug/Kg
10/12/2004	TS101104-055b	M8321A	PERCHLORATE	0.67	J	0.37	2.3	ug/Kg
10/12/2004	TS101104-055c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
10/12/2004	TS101104-055d	M8321A	PERCHLORATE	0.8	J	0.38	2.4	ug/Kg
10/12/2004	TS101104-055e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg

DL = Detection Limit

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J = Estimated

ND = Non Detect

U = Undetected

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
10/12/2004	TS101104-055x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/12/2004	TS101104-055x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/13/2004	TS101204-056a	M8321A	PERCHLORATE	0.39	J	0.37	2.3	ug/Kg
10/13/2004	TS101204-056b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
10/13/2004	TS101204-056c	M8321A	PERCHLORATE	0.45	J	0.37	2.3	ug/Kg
10/13/2004	TS101204-056d	M8321A	PERCHLORATE	0.39	J	0.37	2.3	ug/Kg
10/13/2004	TS101204-056d	M8321A	PERCHLORATE	0.78	J	0.38	2.4	ug/Kg
10/13/2004	TS101204-056x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/13/2004	TS101204-056x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/15/2004	TS101304-057a	M8321A	PERCHLORATE	0.56	J	0.38	2.4	ug/Kg
10/15/2004	TS101304-057b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
10/15/2004	TS101304-057c	M8321A	PERCHLORATE	0.38	J	0.38	2.4	ug/Kg
10/15/2004	TS101304-057d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
10/15/2004	TS101304-057e	M8321A	PERCHLORATE	0.4	J	0.37	2.3	ug/Kg
10/15/2004	TS101304-057x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/15/2004	TS101304-057x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/18/2004	TS101504-058a	M8321A	PERCHLORATE	0.98	J	0.37	2.3	ug/Kg
10/18/2004	TS101504-058b	M8321A	PERCHLORATE	0.82	J	0.36	2.3	ug/Kg
10/18/2004	TS101504-058c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
10/18/2004	TS101504-058x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/18/2004	TS101504-058x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
10/18/2004	TS101604-059a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
10/18/2004	TS101604-059b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
10/18/2004	TS101604-059c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
10/18/2004	TS101604-059d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
10/18/2004	TS101604-059x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
10/22/2004	TS102104-060a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
10/22/2004	TS102104-060b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
10/22/2004	TS102104-060c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
10/22/2004	TS102104-060d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
10/22/2004	TS102104-060e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
10/22/2004	TS102104-060x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
10/25/2004	TS102204-061a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.39	2.5	ug/Kg
10/25/2004	TS102204-061x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/1/2004	TS112904-062a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/1/2004	TS112904-062b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
12/1/2004	TS112904-062c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/1/2004	TS112904-062d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/1/2004	TS112904-062e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/1/2004	TS112904-062x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
12/2/2004	TS120104-063a	M8321A	PERCHLORATE	0.83	J	0.39	2.4	ug/Kg
12/2/2004	TS120104-063b	M8321A	PERCHLORATE	0.55	J	0.37	2.3	ug/Kg
12/4/2004	TS120104-063c	M8321A	PERCHLORATE	2.5		0.37	2.3	ug/Kg
12/4/2004	TS120104-063d	M8321A	PERCHLORATE	2.3		0.36	2.3	ug/Kg
12/4/2004	TS120104-063e	M8321A	PERCHLORATE	1.6	J	0.37	2.3	ug/Kg
12/4/2004	TS120104-063x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
12/4/2004	TS12014-063x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/6/2004	TS120304-064a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/6/2004	TS120304-064c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/6/2004	TS120304-064d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/6/2004	TS120304-064x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/6/2004	TS120304-064x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
12/7/2004	TS120504-065a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/7/2004	TS120504-065b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/7/2004	TS120504-065c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/7/2004	TS120504-065d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/7/2004	TS120504-065e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/7/2004	TS120504-065x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/7/2004	TS120604-066a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/7/2004	TS120604-066b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/7/2004	TS120604-066c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/8/2004	TS120604-066d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
12/8/2004	TS120604-066e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/8/2004	TS120604-066x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
12/9/2004	TS120804-067a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/9/2004	TS120804-067b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/9/2004	TS120804-067c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/9/2004	TS120804-067d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/9/2004	TS120804-067e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/9/2004	TS120804-067x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/10/2004	TS120904-068a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
12/10/2004	TS120904-068b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
12/10/2004	TS120904-068c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.39	2.4	ug/Kg
12/10/2004	TS120904-068d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
12/10/2004	TS120904-068e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.38	2.4	ug/Kg
12/10/2004	TS120904-068x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/11/2004	TS121004-069a	M8321A	PERCHLORATE	0.6	J	0.35	2.2	ug/Kg
12/11/2004	TS121004-069b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/11/2004	TS121004-069c	M8321A	PERCHLORATE	0.81	J	0.36	2.2	ug/Kg
12/11/2004	TS121004-069d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/11/2004	TS121004-069e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
12/11/2004	TS121004-069x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/13/2004	TS121104-070a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/13/2004	TS121104-070b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/13/2004	TS121104-070c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/13/2004	TS121104-070d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/13/2004	TS121104-070e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/13/2004	TS121104-070x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/13/2004	TS121204-071a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/13/2004	TS121204-071b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/13/2004	TS121204-071c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/13/2004	TS121204-071d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/13/2004	TS121204-071e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/13/2004	TS121204-071x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/14/2004	TS121304-072a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/14/2004	TS121304-072b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
12/14/2004	TS121304-072c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/14/2004	TS121304-072d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/14/2004	TS121304-072e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/14/2004	TS121304-072x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/15/2004	TS121404-073a	M8321A	PERCHLORATE	0.54	J	0.36	2.2	ug/Kg
12/15/2004	TS121404-073b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/15/2004	TS121404-073c	M8321A	PERCHLORATE	1.1	J	0.36	2.2	ug/Kg
12/15/2004	TS121404-073d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/15/2004	TS121404-073e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/15/2004	TS121404-073x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/16/2004	TS121504-074a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/16/2004	TS121504-074b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/16/2004	TS121504-074c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/16/2004	TS121504-074d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/16/2004	TS121504-074e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/16/2004	TS121504-074x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/17/2004	TS121604-075a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/17/2004	TS121604-075b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/17/2004	TS121604-075c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/17/2004	TS121604-075d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/17/2004	TS121604-075e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/17/2004	TS121604-075x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/18/2004	TS121704-076a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/18/2004	TS121704-076b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/18/2004	TS121704-076c	M8321A	PERCHLORATE	0.59	J	0.36	2.3	ug/Kg
12/18/2004	TS121704-076d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/18/2004	TS121704-076e	M8321A	PERCHLORATE	1.7	J	0.36	2.3	ug/Kg
12/18/2004	TS121704-076x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/20/2004	TS121804-077a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/20/2004	TS121804-077b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/20/2004	TS121804-077c	M8321A	PERCHLORATE	0.82	J	0.35	2.2	ug/Kg
12/20/2004	TS121804-077d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

mg/Kg = milligram/kilogram

ug/Kg = microgram/kilogram

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
12/20/2004	TS121804-077e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/20/2004	TS121804-077x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/20/2004	TS121904-078a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/20/2004	TS121904-078b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/20/2004	TS121904-078c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/20/2004	TS121904-078d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
12/20/2004	TS121904-078e	M8321A	PERCHLORATE	0.84	J	0.36	2.2	ug/Kg
12/20/2004	TS121904-078x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/21/2004	TS122004-079a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/21/2004	TS122004-079b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/21/2004	TS122004-079c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.1	ug/Kg
12/22/2004	TS122004-079d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/22/2004	TS122004-079e	M8321A	PERCHLORATE	0.58	J	0.36	2.2	ug/Kg
12/22/2004	TS122004-079x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/22/2004	TS122104-080a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.34	2.2	ug/Kg
12/22/2004	TS122104-080b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
12/22/2004	TS122104-080x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/30/2004	TS122904-081a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/30/2004	TS122904-081b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/30/2004	TS122904-081c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
12/31/2004	TS122004-081e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/31/2004	TS122904-081d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
12/31/2004	TS122904-081x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
12/31/2004	TS122904-081x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
1/3/2005	TS010105-083a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
1/3/2005	TS010105-083b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.3	ug/Kg
1/3/2005	TS010105-083c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
1/3/2005	TS010105-083d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
1/3/2005	TS010105-083e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
1/3/2005	TS010105-083x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
1/3/2005	TS123104-082a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
1/3/2005	TS123104-082b	M8321A	PERCHLORATE	0.58	J	0.38	2.3	ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

ECC

APPENDIX C-10
Treated Soil Sample Results

Demolition Area 1 Source Area COWR

Date	Sample ID	Test	Analyte	Result	Qual	DL	RL	Units
1/3/2005	TS123104-082c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
1/3/2005	TS123104-082x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
1/3/2005	TS123104-082x	SW8270C	Non-Detect on all 8 analytes	ND	U			ug/Kg
1/4/2005	TS010205-084a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
1/4/2005	TS010205-084b	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
1/4/2005	TS010205-084c	M8321A	Non-Detect on PERCHLORATE	ND	U	0.37	2.3	ug/Kg
1/4/2005	TS010205-084d	M8321A	Non-Detect on PERCHLORATE	ND	U	0.36	2.2	ug/Kg
1/4/2005	TS010205-084e	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
1/4/2005	TS010205-084x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg
1/5/2005	TS010305-085a	M8321A	Non-Detect on PERCHLORATE	ND	U	0.35	2.2	ug/Kg
1/5/2005	TS010305-085b	M8321A	Non-Detect on PERCHLORATE	ND	U	1.8	11	ug/Kg
1/5/2005	TS010305-085c	M8321A	Non-Detect on PERCHLORATE	ND	U	1.7	11	ug/Kg
1/5/2005	TS010305-085d	M8321A	Non-Detect on PERCHLORATE	ND	U	1.8	11	ug/Kg
1/5/2005	TS010305-085x	SW8330	Non-Detect on all 19 analytes	ND	U			ug/Kg

DL = Detection Limit

RL = Reporting Limit

J = Estimated

ND = Non Detect

U = Undetected

Appendix D

Supplemental Post-Screening Investigation Summary Report
and Supporting Documentation



Impact Area Groundwater Study Program Final Supplemental Post-Screening Investigation Summary Report Demolition Area 1 Source Area

**Camp Edwards
Massachusetts Military Reservation
Cape Cod, Massachusetts**

February 26, 2009

Prepared for:

U.S. Army Environmental Command
Impact Area Groundwater Study Program
Camp Edwards, Massachusetts

Prepared by:

AMEC Earth & Environmental, Inc
Westford, Massachusetts
Contract No. DAHA92-01-D-0006

and

U.S. Army Corps of Engineers
New England District
Concord, Massachusetts

DISCLAIMER

This document has been prepared pursuant to government administrative orders (U.S. EPA Region I SDWA Docket No. I-97-1019 and 1-2000-0014) and is subject to approval by the U. S. Environmental Protection Agency. The opinions, findings, and conclusions expressed are those of the authors and not necessarily those of the Environmental Protection Agency.

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ACRONYMS AND ABBREVIATIONS

1,3-DNB	1,3-Dinitrobenzene
2,4-DNT	2,4-Dinitrotoluene
AMEC	AMEC Earth and Environmental, Inc.
COC	Contaminants of concern
COWR	Completion of Work Report
CRREL	US Army Cold Regions Research Engineering Laboratory
HMX	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IAGWSP	Impact Area Groundwater Study Program
MassDEP	Massachusetts Department of Environmental Protection
MCL	Maximum contaminant level
MCP	Massachusetts Contingency Plan
mg	Milligram
mg/Kg	Milligrams per kilogram
µg/Kg	Micrograms per kilogram
µg/L	Micrograms per liter
MMR	Massachusetts Military Reservation
PRG	Preliminary Remediation Goal
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
RRA	Rapid response action
SVOC	Semi-volatile organic compound
TNT	2,4,6-Trinitrotoluene
EPA	United States Environmental Protection Agency

1.0 INTRODUCTION

This report is a supporting piece to the Draft Demolition Area 1 Source Area Completion of Work Report, which in turn supports the Demolition Area 1 Decision Document Addendum. It presents results of soil sampling conducted in the area outside the Demolition Area 1 perimeter road and analysis of those samples conducted in accordance with the Final Supplemental PSI Work Plan dated August 28, 2002. It also includes further evaluation of the leaching-to-groundwater potential and risks of exposure to the detected contaminants.

1.1 Project Background

A Post-Screening Investigation was conducted in spring 2002 to determine the horizontal and vertical extent of soil contamination within the perimeter road at Demolition Area 1. The Post-Screening Investigation included the collection of soil samples from 24 soil grids located within the perimeter road that surrounds Demolition Area 1 and completion of an EM-61 magnetometer survey within three areas outside the perimeter road. The results of the magnetometer survey, presented in the Rapid Response Action (RRA) plan (AMEC, 2003), showed that the anomalies uncovered were mostly metallic debris not indicative of a significant contaminant source and no further investigation of anomalies was proposed. The Post-Screening Investigation results however, indicated that although the vertical extent of soil contamination was adequately delineated by available data, additional soil data were needed to define the lateral extent. In particular, the areas to the north, east, and south of the perimeter road required additional sampling to confirm the lateral extent of the contaminants of concern (COCs). That investigation of the soil, the subject of this report, was named the Supplemental Post-Screening Investigation.

The Supplemental PSI Work Plan (AMEC, 2002c) was developed with the objective of collecting additional data to adequately characterize the lateral extent of soil contamination at Demolition Area 1. The final version of the work plan, with EPA and MassDEP comments incorporated, was finalized on August 28, 2002.

A Rapid Response Action (RRA) plan was developed in February 2003 for the Demolition Area 1 source area with the limits of excavation based in part on the results of the Post-Screening Investigation. The results of the Post-Screening Investigation were presented in detail in the Draft RRA Plan Demo 1 Soil Operable Unit (AMEC, 2003). The results of the Supplemental Post Screening Investigation were not available at that time; however, the Draft RRA Plan stated that "the results will be used to confirm that the perimeter road to the north, east, and west at Demolition Area 1 defines the lateral extent of COCs proposed for remediation." While the results of the Supplemental Post-Screening Investigation were used for RRA planning, they were never reported. This Draft Revised Supplemental Post-Screening Investigation Report fills that information gap by providing the data collected during the Supplemental Post-Screening Investigation along with interpretation of that data to determine the significance of the contaminants detected.

1.2 OBJECTIVE

The objective of the Supplemental Post-Screening Investigation was to collect additional data to characterize the lateral extent of contamination outside the perimeter road at Demolition Area 1

so that the planned extent of Rapid Response Actions (RRA) could be confirmed or modified if necessary. It was determined based on this data that the perimeter road marked the extent of the area that needed to be remediated during the RRA. The objective of this updated Supplemental Post-Screening Investigation Report is to provide the data that was collected and interpret the data so that the appropriateness and adequacy of the extent of the RRA excavation can be determined.

2.0 SOIL SAMPLING ACTIVITIES

2.1 Sampling Rationale

In accordance with the Supplemental Post-Screening Investigation Work Plan, soil sampling was conducted at 22 soil grids located outside the perimeter road at Demolition Area 1. The lateral extent of contamination to the west of the Demolition Area 1 depression is defined by existing data. Therefore, most Supplemental Post-Screening Investigation soil grids were located outside the northern, eastern, and southern portions of the perimeter road. Soil samples also were collected from two grids located within the perimeter road. Samples were collected in October-November 2002. Locations are presented in Figure 1.

To the north of the perimeter road, soil sampling grids (12AW through 12BE) were situated along two rows to detect contamination that may have resulted from activities inside Demolition Area 1. Sampling grids were located at intervals of approximately 150 feet along each row, and the rows were spaced 50 feet apart at approximately 10 and 60 feet north of the perimeter road.

To the south and east of the perimeter road, two rows of soil grids (12BG through 12BT) were situated in a similar manner approximately with their centers located 10 and 60 feet from the edge of the road to evaluate the possible extent of soil contamination.

During the initial Post-Screening Investigation, two areas of magnetic anomalies outside the perimeter to the southeast of Demolition Area 1 were found to contain concertina wire, barbed wire, pig tails (steel posts used to tie down concertina wire), fence posts, and steel scrap. Some small arms items and one unfired, inert 30mm target practice round also were discovered.

One soil grid (12BF) was located inside the perimeter road in the northeast portion of the site. This location was later excavated as part of the RRA. An additional soil grid (12BU) located inside the perimeter road just northeast of the bunker was added to determine if contamination was present in the western portion of Demolition Area 1 that was not excavated during the RRA.

2.2 Sampling Procedure

All samples used to characterize the nature and extent of contaminants in the Supplemental Post-Screening Investigation, were collected in a manner that was consistent with the Massachusetts Military Reservation Standard Operating Procedures (MMR SOPs), the Health and Safety Guidelines (AMEC), the Field Guide to High Explosives, the Soil Sampling Protocol, and the Standard Guide for Composite Sampling and Field Subsampling for Environmental Waste Management Activities (ASTM, 1996).

The soil sampling grids each measured 22 feet by 22 feet and consisted of five sampling points arranged in an "X" pattern. Each of the four corner sampling points was spaced 5.5 feet from the nearest grid edges and 11 feet from the next nearest sampling point. The center sampling point was at the center of the grid. The vertical sampling intervals were 0-0.25, 0.25-0.5, and 0.5-1.0 feet below ground surface (bgs). Subsamples were collected from each sampling point at each depth interval, homogenized and analyzed as a composite sample representing that depth interval.

The composite samples were submitted for analysis of explosives (Method SW8330LN), metals (Method IM40MB), SVOCs (Method SW8270), dyes (Method SW8321D), and perchlorate (EPA Method 314.0).

3.0 SOIL ANALYTICAL RESULTS

Soil analytical results for the Supplemental Post-Screening Investigation samples are summarized below and are presented in Table 1. Background concentrations (developed in June 2000 (AMEC, 2000) and May 2002 (AMEC 2002b)), MCP S-1/GW-1 criteria, and MMR PRG values have also been provided in this Table. A summary of maximum concentrations, minimum concentrations, and frequency of detections is provided in Table 2. Pre-excavation soil data from the excavated portion within the perimeter road has also been presented in this table for comparison purposes.

3.1 Explosives/Perchlorate

Explosives compounds were detected at two locations, both north of the perimeter road. RDX and HMX were each detected in sample 12BA from 6-12" below the ground surface (bgs) at concentrations of 670 and 300J µg/Kg, respectively. 2,4-DNT and TNT were detected at grid 12BC; 2,4-DNT at 0-3" (1,100J µg/Kg) and 3-6" bgs (700 µg/Kg), and TNT at 3-6" bgs (18J µg/Kg). Also, 1,3-dinitrobenzene was detected at a concentration of 23J µg/Kg in the 3-6" depth interval at grid 12BC.

Perchlorate was detected at four sample locations at a maximum concentration of 7.27 µg/Kg. Three of the samples were located outside of the northern perimeter road; grids 12AY from 0-3" bgs (7.27 µg/Kg), 12AZ from 0-3" bgs (5.13 µg/Kg), and 12BC from 3-6" bgs (5.48 µg/Kg). Perchlorate was also detected at grid 12BU located near the former bunker west of the central depression from 0-3" (2.98 µg/Kg) and 3-6" bgs (3.96 µg/Kg) (both estimated concentrations were below the reporting limit of the analytical method).

3.2 Other Organic Compounds

SVOCs were detected at many of the sample locations. The SVOC most frequently detected was bis (2-ethylhexyl) phthalate (max 60 µg/Kg). This compound was often seen as a laboratory contaminant in SVOC analyses collected during this time period. The next most frequently occurring SVOC was benzoic acid (max 310 µg/Kg). This analyte is naturally present in organic matter associated with vegetation in site (AMEC, 2003) and therefore is often seen at background concentrations in SVOC samples. Other SVOCs detected less frequently include: fluoranthene (max 790 µg/Kg), pyrene (max 1,900 µg/Kg), benzo(a)pyrene (max 150 µg/Kg), benzo(a)anthracene (max 420 µg/Kg), benzo(b)fluoranthene (max 310 µg/Kg), benzo(k)fluoranthene (max 290 µg/Kg), benzo(g,h,i)perylene (max 55 µg/Kg), chrysene (max 730 µg/Kg), dibenzo(a,h)anthracene (max 25 µg/Kg), indeno(1,2,3-cd)perylene (max 66 µg/Kg), phenanthrene (max 41 µg/Kg), and 1,3-diethyl-1,3-diphenyl urea (max 140 µg/Kg). Of these, only 1,3-diethyl-1,3-diphenyl urea is known to be a constituent of some military munitions.

Concentrations of the dye benzanthrone (maximum concentration of 57J µg/Kg) were detected in three samples from two adjacent sample grids located south of the perimeter road (12BL at 0-3" and 3-6" bgs, and 12BM at 6-12" bgs).

3.3 Metals

Nineteen metals were analyzed for in the Supplemental Post-Screening Investigation samples. Many of these metals are present naturally at some concentration in soil as indicated by their

presence in every sample. The maximum detected concentrations of these metals are provided in Table 2. Copper (max 497 mg/Kg, background concentration 11 mg/Kg) and lead (max 534 mg/Kg, background concentration 19 mg/Kg) were the metals most commonly detected above their typical background concentrations, especially in the area north of the perimeter road. This area is down range beyond the former small arms targets that were present before the area was used for demolition activities.

4.0 DATA EVALUATION

Data collected during the Supplemental Post-Screening Investigation are evaluated in several ways in the sections below:

- The extent of contaminants detected,
- Comparison of the concentrations to those detected within the perimeter road prior to the RRA, and
- Comparison of the concentrations to cleanup standards such as MCP Method 1 risk assessment standards and preliminary remediation goals (PRGs, USEPA, 2004).

The conceptual site model for Demolition Area 1 describes the source for the groundwater contamination as being explosives and perchlorate deposited within the perimeter road. A source removal action was conducted at Demolition Area 1 to address contaminated soil, munitions and explosives that were potentially sources for the groundwater plume. In addition, metals consistent with small arms firing were found in the soil at the northern slope of the Demo 1 bowl. Lead-contaminated soil was removed from this area, including that from the Supplemental Post-Screening investigation area 12BF, as well as Quad 19 where the highest levels of lead inside the perimeter road were detected, as part of the source response action. As described in the following section, the Supplemental Post Screening Investigation results show that only residual levels of contamination remain outside the Demo 1 perimeter road. These detections are consistent with the conceptual site model and do not suggest some other undefined source.

4.1 Explosives/Perchlorate

2,4-DNT, TNT and 1,3-dinitrobenzene were detected only at grid 12BC located 60 feet north of the perimeter road. 2,4-DNT concentrations decreased with depth. 2,4-DNT was not detected in the deepest sample collected (6-12" bgs) so the vertical extent seems to be well defined. The highest concentration of 2,4-DNT (1,100J µg/Kg) was above the MCP S-1/GW-1 Method 1 standard of 700 µg/Kg and below the residential PRG of 12,220 µg/Kg. The concentration of TNT (18 µg/Kg) in the 3-6" depth interval at grid 12BC was below the residential PRG (16,200 µg/Kg). The concentration of 1,3-dinitrobenzene was below residential PRG (611 µg/Kg).

2,4-DNT was detected in only two of 78 samples collected in the area outside the perimeter road at Demo 1. The concentrations in those two samples were 770 ug/Kg and 1,100 ug/Kg, which are both below the MCP Method 2 S-1 direct contact exposure-based soil concentration of 2,000 ug/Kg. The sample grid with the detections (12BC) is separated from the main Demo 1 source area by a clean sample grid (12BA), further indicating that this is an isolated detection. Average concentrations for 2,4-DNT are well below both the direct contact and leaching standards found in the MCP. This residual 2,4-DNT concentration is not present consistently enough or at high enough concentrations to contribute to exposure to human or environmental receptors.

RDX and HMX were detected only in the 6-12" interval at grid 12BA located 10 feet north of the perimeter road. They were not detected from 0-6". Concentrations are not likely to increase with depth since they are located outside the perimeter road where historically, there has been little

disturbance. RDX and HMX concentrations at grid 12BA were below the MCP S-1/GW-1 Method 1 standards (1,000 and 2,000 µg/Kg, respectively) and their residential PRGs (4,420 and 306,000 µg/Kg, respectively).

Three out of four detections of perchlorate were north of the perimeter road. The other was west of the excavation area near the bunker. Perchlorate concentrations were all below the MCP S-1/GW-1 Method 1 standard (100 µg/Kg) and the residential PRG (7,820 µg/Kg).

4.2 Other Organic Compounds

Dyes and SVOCs were detected sporadically at low concentrations. These contaminants are not considered leachable to groundwater due to their high K_d values. The concentrations of these compounds were below the MCP Method 1 S-1/GW-1 standards.

The detections typically occurred south and east of the excavated area, with the highest concentrations in grid 12BL. Of those SVOCs having at least four detects; benzo(a)anthracene (max 420 µg/Kg, S-1/GW-1 criteria 7,000 µg/Kg), benzo(a)pyrene (max 150 µg/Kg, S-1/GW-1 criteria 2,000 µg/Kg), benzo(b)fluoranthene (max 310 µg/Kg, S-1/GW-1 criteria 7,000 µg/Kg), benzo(k)fluoranthene (max 290 µg/Kg, S-1/GW-1 criteria 70,000,000 µg/Kg), Chrysene (max 460 µg/Kg, S-1/GW-1 criteria 70,000 µg/Kg), fluoranthene (max 790 µg/Kg, S-1/GW-1 criteria 1,000,000 µg/Kg), and pyrene (max 1900 µg/Kg, S-1/GW-1 criteria 1,000,000 µg/Kg); all had their highest detections in 12BL. Other areas with more than 5-6 detects included grid 12BQ followed by 12BC, although neither one of these grids had concentrations approaching the values in 12BL. Dyes (benzathrone, max 57 µg/Kg, S-1/GW-1 criteria not available) were only detected in two locations, grid 12BL and adjacent grid 12BM.

4.3 Metals

Detection of metals was widespread, in part due to their natural presence in soils. Many of the metals were detected in every sample. Lead and copper have been identified as being detected at concentrations above background levels in the area north of the perimeter road. As noted above, this area is down range of the former location of small arms targets used before the site was designated as a demolition site.

Only one sample, from grid 12 BA, had a detection of lead above the MCP Method 1 S-1/GW-1 Standard. Based on the vertical averaging of the lead concentrations from this grid (427 mg/Kg at 0 to 0.25 feet, 65.8 mg/Kg at 0.25 to 0.5 feet and 86.3 mg/Kg at 0.5 feet to 1 foot) the average lead concentration (193 mg/Kg) was below the Method 1, S-1/GW-1 soil standard (300 mg/Kg). Grid 12BF, where there was a reported detection of lead, was removed to a depth of 1-foot as part of the soil response action. Although there is no post-excavation confirmation sample for grid 12BF, the deepest pre-excavation sample at the 0.5 to 1-foot depth in grid 12BF had a concentration of 168 mg/Kg which is below the Method 1 S-1/GW-1 standard. All other metals were below the Method 1 S-1/GW-1 standards. These lead detections suggest that isolated particles of lead from small arms firing exist outside the perimeter. However, as was the case with explosives, the residual lead concentration is not present consistently enough or at high enough concentrations to contribute to exposure to human or environmental receptors.

5.0 SUMMARY AND CONCLUSIONS

The Supplemental Post-Screening Investigation included the collection and analysis of soil samples collected from 22 soil grid locations outside the perimeter road at Demolition Area 1 and two locations within the road in order to acquire data to characterize the lateral extent of contamination around the Demolition Area 1 source area. Previous sampling efforts had defined the extent of contamination to the west of the Demolition Area 1 glacial depression and indicated that the contamination was present approximately up to the perimeter road on the northern, eastern, and southern edges of the site. Most of the supplemental Post-Screening Investigation soil grids were located north, east, and south of the perimeter road to assess whether the road actually delineates the extent of contamination.

The explosives contaminants detected during the Supplemental Post-Screening Investigation were often detected within the Demolition Area 1 perimeter road; therefore it appears that their presence is likely related to former activities within Demolition Area 1. Because the detections outside the perimeter road are sparse and of relatively low concentrations, the detections appear to represent the outer edges of the area impacted by Demolition Area 1 activities. Their presence on only the north side, or downwind from the prevailing wind, suggests that they may have been deposited as the wind either carried fine particles of explosives and/or propellants during explosions or scoured particles from the soil surface from the contaminated area within the bowl.

The concentrations detected during the Supplemental Post-Screening Investigation have been evaluated. 2,4-DNT, RDX, HMX, TNT and 1,3-Dinitrobenzene were each detected in only one of the 22 sample locations outside of the perimeter road. Perchlorate was detected in three of the 22 sample locations outside of the perimeter road. The low frequency of detection suggests that a widespread source of contamination is not present. The presence of these contaminants is most likely the result of the deposition of propellants and explosives during activities within the Demolition Area 1 bowl. The concentrations detected during the Supplemental Post-Screening Investigation are lower than the maximum concentration of any of these contaminants detected within the area excavated during the RRA (see Table 2). Because of the low frequency of detections and the leaching characteristics (high K_d) of the particular contaminant, neither metals nor SVOCs are expected to have an impact on groundwater.

The results of the Supplemental Post-Screening Investigation support the conclusion that the perimeter road delineates the extent of significant contamination in soil at Demolition Area 1 and that the perimeter road was an appropriate delineation for the excavation conducted during the RRA. Based on the levels and frequencies of detection, the detected concentrations outside the perimeter road do not warrant further assessment or remediation.

Groundwater monitoring, conducted as part of the Remedial Action, will be used to confirm that no continuing source of groundwater contamination remains at Demolition Area 1. Predictive groundwater modeling shows the comprehensive system addressing the Demolition Area 1 plume is positioned to monitor and, if necessary, capture and treat any additional groundwater contamination that might result from any additional source contaminants (Figure 3.)

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6.0 REFERENCES

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AMEC, 2002a. Final Post-Screening Investigation (PSI) Work Plan Demo 1 Soil Operable Unit Plan. AMEC Earth and Environmental, Westford, Massachusetts. April 8, 2002.

AMEC, 2002b, Draft Supplemental Background Investigation Report, AMEC Earth and Environmental, Westford, Massachusetts, May 2, 2002.

AMEC, 2002c. Final Supplemental Post-Screening Investigation (PSI) Work Plan Demo 1 Soil Operable Unit Plan. AMEC Earth and Environmental, Westford, Massachusetts. August 28, 2002.

AMEC, 2003. Draft Rapid Response Action/Release Abatement Measure Plan, Demo 1 Soil Operable Unit Plan. AMEC Earth and Environmental, Westford, Massachusetts. February 19, 2003.

AMEC, 2005. Draft Demolition Area 1 Soil Rapid Response Action and Soil Operable Unit Closeout Report. AMEC Earth and Environmental, Westford, Massachusetts. December 21, 2005.

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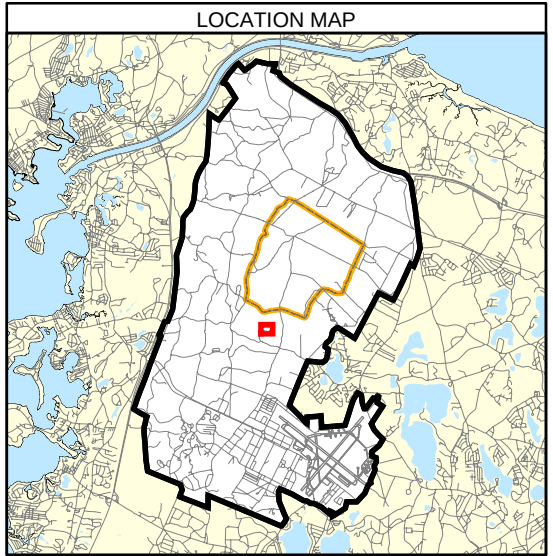
FIGURES



 **Impact Area
Groundwater Study Program**

LEGEND

-  Supplemental PSI Soil Grid
-  Existing Monitoring Wells
-  Elevation Contours (ft)
-  Roads
-  Treeline

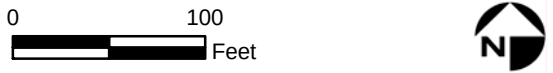


NOTES & SOURCES

Map Projection: NAD 83, UTM, Zone 19N, Meters
Basemap data from US Geological Survey 7 1/2 minute
Topographic Map Source: MassGIS
Aerial Photos: Color Digital Orthophotos,
Date Flown: 2002, Source: EarthData International

TITLE

**Supplemental PSI
Soil Sampling Locations
Demo 1 Soil Operable Unit**

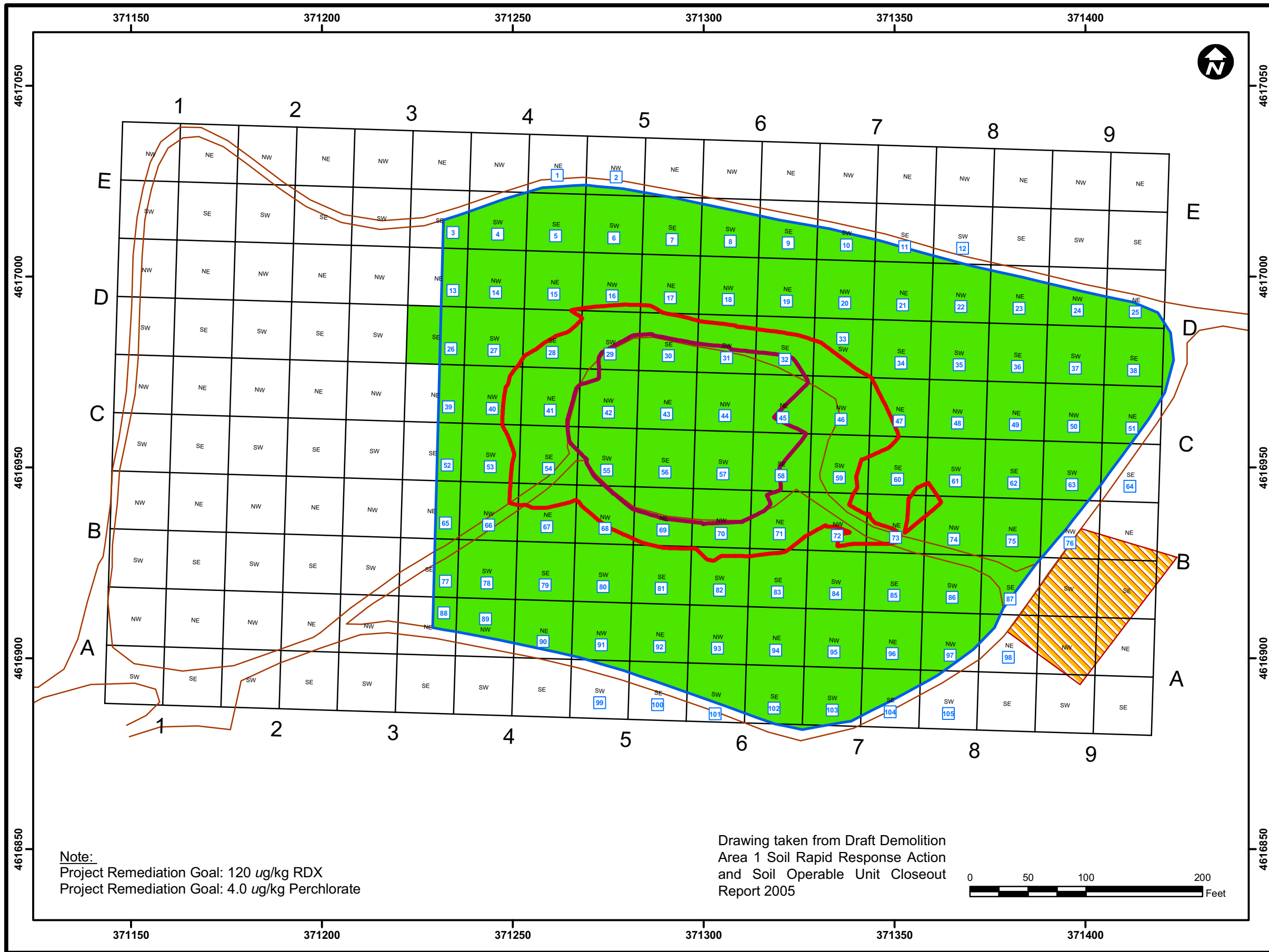


DRAFT

AMEC Earth and Environmental, Inc.
Westford, Massachusetts

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G:\MMR_COE\Work\2006\ID494\ID494_Fig1.mxd
May 26, 2006 DWN: JBB CHKD: MR

FIGURE
1



Contract No.		DACW33-02-D-0003			
Description		Demo 1 Final Excavation			
Coordinate system		NAD 1983, UTM, Zone 19 North in meters			
Note		Positional data corrected by Pine Hill Reset LW4668.			
Sources		Grids surveyed by Atlantics. MMR boundary and roads provided by MA ARNG.			
Date	30-NOV-2005	Rev.		Date	Approved By
Drawn By	J. Kim				
Checked By	S. Gangopadhyay				
Approved By					

Legend

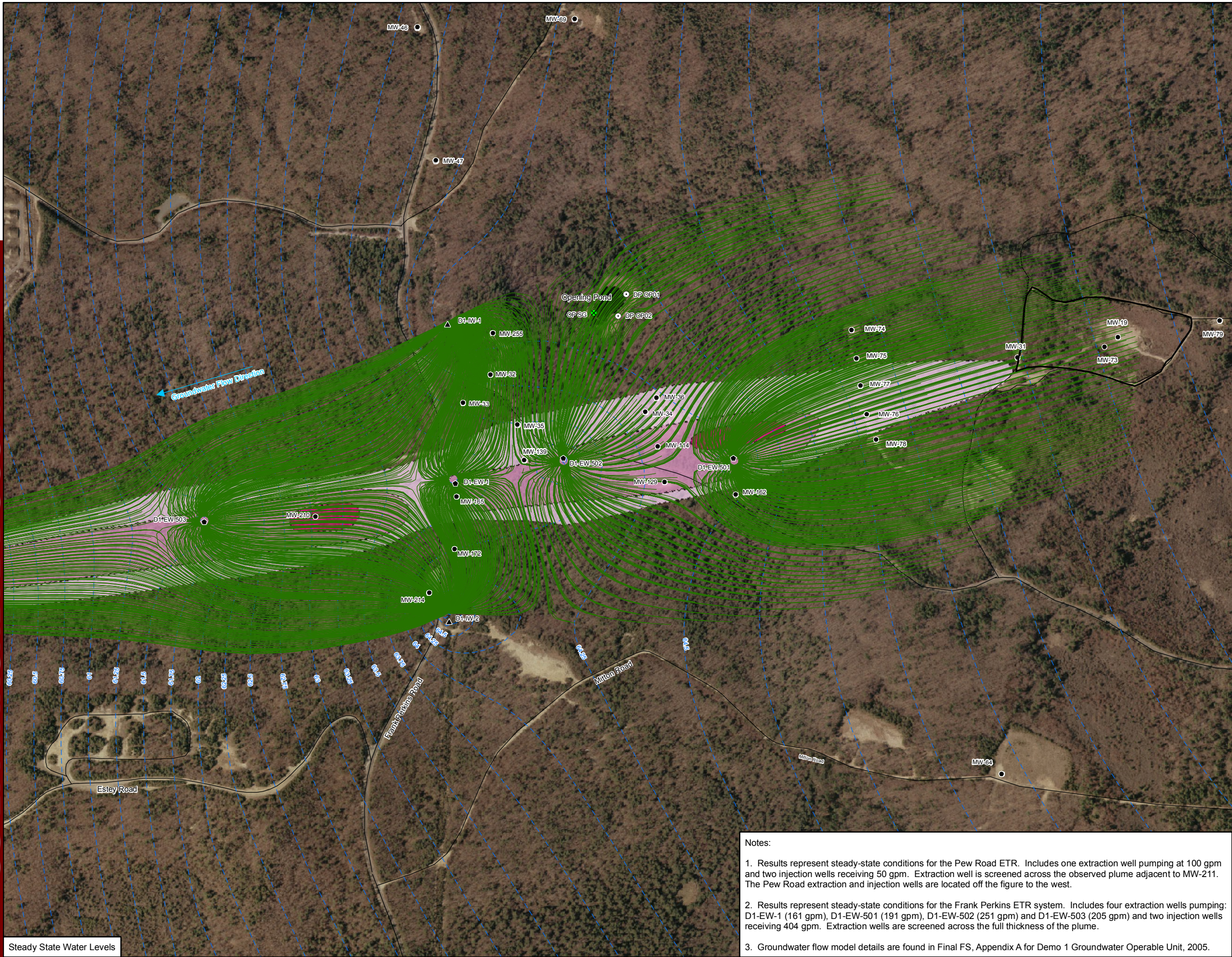
- Excavated and met project remediation goals
- Demo 1 Screening Area
- Quad Number
- Excavation Boundary
- 120 ft topographic contour (Pre-excavation)
- 110 ft topographic contour (Pre-excavation)
- Roads
- Grids

FIGURE 2

The inset map shows a larger geographic area with a red square indicating the 'Area of Detail' location. The area is labeled 'Area of Detail'.

Title:
Demo 1
Final Excavation Status Map

Impact Area
Groundwater Study Program
Massachusetts Military Reservation
Cape Cod, Massachusetts



**Impact Area
Groundwater Study Program**

LEGEND

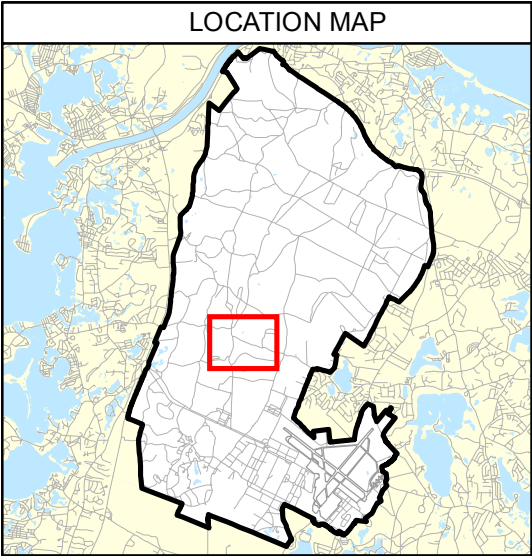
- Monitoring Well
- Piezometer
- Staff Gauge
- Extraction Well
- Injection Well

Perchlorate in Groundwater

- 2 to 24 ppb
- 24 to 200 ppb
- > 200 ppb

- Model-Simulated Streamlines in Capture Zone
- Model-Simulated Groundwater Elevation Contours Under Pumping Conditions
- Demo 1 Source Area

Note: Plume shell illustrated is representative of widest observed at each transect cross-section Groundwater data through April 2007. Contour lines dashed where inferred.



NOTES & SOURCES

Basemap data from US Geological Survey 7 1/2 minute Topographic Maps. Source: MassGIS
Aerial Photos: Color Digital Orthophotos:
Date Flown: 2002 Source: EarthData International

TITLE

Simulated 10-Year Capture Zone
Demo 1 RA ETR Systems

**US Army Corps
of Engineers**
New England District

0 500
Feet



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M:\MMR\2008\Demo1\COWR\PSI\MXDs\Fig3_012909.mxd
February 3, 2009 DWN: MTW CHKD: DGW

- Notes:
- Results represent steady-state conditions for the Pew Road ETR. Includes one extraction well pumping at 100 gpm and two injection wells receiving 50 gpm. Extraction well is screened across the observed plume adjacent to MW-211. The Pew Road extraction and injection wells are located off the figure to the west.
 - Results represent steady-state conditions for the Frank Perkins ETR system. Includes four extraction wells pumping: D1-EW-1 (161 gpm), D1-EW-501 (191 gpm), D1-EW-502 (251 gpm) and D1-EW-503 (205 gpm) and two injection wells receiving 404 gpm. Extraction wells are screened across the full thickness of the plume.
 - Groundwater flow model details are found in Final FS, Appendix A for Demo 1 Groundwater Operable Unit, 2005.

TABLES

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Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12AW1AAA	12AW	10/25/02	8321D	{ND on all 4} analytes			0	0.25						
HC12AW1AAA	12AW	10/25/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12AW1AAA	12AW	10/25/02	D2216M	MOISTURE	12.3	PERCENT	0	0.25						
HC12AW1AAA	12AW	10/25/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12AW1AAA	12AW	10/25/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12AW1AAA	12AW	10/25/02	IM40MB	ALUMINUM	9100	MG/KG	0	0.25	16019				7.61E+03	X
HC12AW1AAA	12AW	10/25/02	IM40MB	ARSENIC	3.7	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12AW1AAA	12AW	10/25/02	IM40MB	BARIUM	11.3	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12AW1AAA	12AW	10/25/02	IM40MB	BERYLLIUM	0.19	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12AW1AAA	12AW	10/25/02	IM40MB	BORON	2.6	MG/KG	0	0.25	9.6				1.56E+03	
HC12AW1AAA	12AW	10/25/02	IM40MB	CADMIUM	0.19	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12AW1AAA	12AW	10/25/02	IM40MB	CALCIUM	141	MG/KG	0	0.25	288					
HC12AW1AAA	12AW	10/25/02	IM40MB	CHROMIUM, TOTAL	10.4	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12AW1AAA	12AW	10/25/02	IM40MB	COBALT	2.1	MG/KG	0	0.25	4				9.03E+02	
HC12AW1AAA	12AW	10/25/02	IM40MB	COPPER	15.5	MG/KG	0	0.25	11	X			3.13E+02	
HC12AW1AAA	12AW	10/25/02	IM40MB	IRON	10500	MG/KG	0	0.25	17800				2.35E+03	X
HC12AW1AAA	12AW	10/25/02	IM40MB	LEAD	45.3	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	X
HC12AW1AAA	12AW	10/25/02	IM40MB	MAGNESIUM	916	MG/KG	0	0.25	2010					
HC12AW1AAA	12AW	10/25/02	IM40MB	MANGANESE	46.4	MG/KG	0	0.25	134				1.76E+02	
HC12AW1AAA	12AW	10/25/02	IM40MB	MOLYBDENUM	0.73	MG/KG	0	0.25	1.2				3.91E+01	
HC12AW1AAA	12AW	10/25/02	IM40MB	NICKEL	4.5 J	MG/KG	0	0.25	10				1.56E+02	
HC12AW1AAA	12AW	10/25/02	IM40MB	POTASSIUM	444	MG/KG	0	0.25	766					
HC12AW1AAA	12AW	10/25/02	IM40MB	VANADIUM	19.5	MG/KG	0	0.25	28.8				5.48E+01	
HC12AW1AAA	12AW	10/25/02	IM40MB	ZINC	17.4	MG/KG	0	0.25	25.6				2.35E+03	
HC12AW1AAA	12AW	10/25/02	SW8270	BENZOIC ACID	65 J	UG/KG	0	0.25					1.00E+08	
HC12AW1AAA	12AW	10/25/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12AW1AAA	12AW	10/25/02	SW8270	FLUORANTHENE	22 J	UG/KG	0	0.25	460		1.00E+06		2.29E+05	
HC12AW1AAA	12AW	10/25/02	SW8270	PYRENE	23 J	UG/KG	0	0.25	460				2.32E+05	
HC12AW1BAA	12AW	10/25/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12AW1BAA	12AW	10/25/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12AW1BAA	12AW	10/25/02	D2216M	MOISTURE	14.7	PERCENT	0.25	0.5						
HC12AW1BAA	12AW	10/25/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12AW1BAA	12AW	10/25/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12AW1BAA	12AW	10/25/02	IM40MB	ALUMINUM	11800	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12AW1BAA	12AW	10/25/02	IM40MB	ARSENIC	4.2	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12AW1BAA	12AW	10/25/02	IM40MB	BARIUM	14	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12AW1BAA	12AW	10/25/02	IM40MB	BERYLLIUM	0.21	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12AW1BAA	12AW	10/25/02	IM40MB	BORON	2.9	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12AW1BAA	12AW	10/25/02	IM40MB	CADMIUM	0.09 J	MG/KG	0.25	0.5	0.94		2.00E+00		3.70E+00	
HC12AW1BAA	12AW	10/25/02	IM40MB	CALCIUM	149	MG/KG	0.25	0.5	288					
HC12AW1BAA	12AW	10/25/02	IM40MB	CHROMIUM, TOTAL	13	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12AW1BAA	12AW	10/25/02	IM40MB	COBALT	2.8	MG/KG	0.25	0.5	4				9.03E+02	
HC12AW1BAA	12AW	10/25/02	IM40MB	COPPER	8.5	MG/KG	0.25	0.5	11				3.13E+02	
HC12AW1BAA	12AW	10/25/02	IM40MB	IRON	10600	MG/KG	0.25	0.5	17800				2.35E+03	X

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12AW1BAA	12AW	10/25/02	IM40MB	LEAD	24	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	
HC12AW1BAA	12AW	10/25/02	IM40MB	MAGNESIUM	1170	MG/KG	0.25	0.5	2010					
HC12AW1BAA	12AW	10/25/02	IM40MB	MANGANESE	52.2	MG/KG	0.25	0.5	134				1.76E+02	
HC12AW1BAA	12AW	10/25/02	IM40MB	MOLYBDENUM	0.61	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12AW1BAA	12AW	10/25/02	IM40MB	NICKEL	5.9 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12AW1BAA	12AW	10/25/02	IM40MB	POTASSIUM	515	MG/KG	0.25	0.5	766					
HC12AW1BAA	12AW	10/25/02	IM40MB	VANADIUM	19	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12AW1BAA	12AW	10/25/02	IM40MB	ZINC	18.9	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12AW1BAA	12AW	10/25/02	SW8270	BENZOIC ACID	46 J	UG/KG	0.25	0.5					1.00E+08	
HC12AW1BAA	12AW	10/25/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12AW1CAA	12AW	10/25/02	8321D	{ND on all 4} analytes			0.5	1						
HC12AW1CAA	12AW	10/25/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12AW1CAA	12AW	10/25/02	D2216M	MOISTURE	11.4	PERCENT	0.5	1						
HC12AW1CAA	12AW	10/25/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12AW1CAA	12AW	10/25/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12AW1CAA	12AW	10/25/02	IM40MB	ALUMINUM	8600	MG/KG	0.5	1	16019				7.61E+03	X
HC12AW1CAA	12AW	10/25/02	IM40MB	ARSENIC	2.8	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12AW1CAA	12AW	10/25/02	IM40MB	BARIUM	10.7	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12AW1CAA	12AW	10/25/02	IM40MB	BERYLLIUM	0.17	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12AW1CAA	12AW	10/25/02	IM40MB	BORON	1.9 J	MG/KG	0.5	1	9.6				1.56E+03	
HC12AW1CAA	12AW	10/25/02	IM40MB	CALCIUM	174	MG/KG	0.5	1	288					
HC12AW1CAA	12AW	10/25/02	IM40MB	CHROMIUM, TOTAL	8.8	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12AW1CAA	12AW	10/25/02	IM40MB	COBALT	2.2	MG/KG	0.5	1	4				9.03E+02	
HC12AW1CAA	12AW	10/25/02	IM40MB	COPPER	4.7	MG/KG	0.5	1	11				3.13E+02	
HC12AW1CAA	12AW	10/25/02	IM40MB	IRON	7810	MG/KG	0.5	1	17800				2.35E+03	X
HC12AW1CAA	12AW	10/25/02	IM40MB	LEAD	16.2	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12AW1CAA	12AW	10/25/02	IM40MB	MAGNESIUM	1320	MG/KG	0.5	1	2010					
HC12AW1CAA	12AW	10/25/02	IM40MB	MANGANESE	52.2	MG/KG	0.5	1	134				1.76E+02	
HC12AW1CAA	12AW	10/25/02	IM40MB	MOLYBDENUM	0.57	MG/KG	0.5	1	1.2				3.91E+01	
HC12AW1CAA	12AW	10/25/02	IM40MB	NICKEL	4.4 J	MG/KG	0.5	1	10				1.56E+02	
HC12AW1CAA	12AW	10/25/02	IM40MB	POTASSIUM	513	MG/KG	0.5	1	766					
HC12AW1CAA	12AW	10/25/02	IM40MB	VANADIUM	13.7	MG/KG	0.5	1	28.8				5.48E+01	
HC12AW1CAA	12AW	10/25/02	IM40MB	ZINC	13.3	MG/KG	0.5	1	25.6				2.35E+03	
HC12AW1CAA	12AW	10/25/02	SW8270	{ND on all 78} analytes			0.5	1						
HC12AW1CAD	12AW	10/25/02	8321D	{ND on all 4} analytes			0.5	1						
HC12AW1CAD	12AW	10/25/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12AW1CAD	12AW	10/25/02	D2216M	MOISTURE	10.4	PERCENT	0.5	1						
HC12AW1CAD	12AW	10/25/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12AW1CAD	12AW	10/25/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12AW1CAD	12AW	10/25/02	IM40MB	ALUMINUM	9060	MG/KG	0.5	1	16019				7.61E+03	X
HC12AW1CAD	12AW	10/25/02	IM40MB	ARSENIC	3.1	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12AW1CAD	12AW	10/25/02	IM40MB	BARIUM	11.6	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12AW1CAD	12AW	10/25/02	IM40MB	BERYLLIUM	0.18	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12AW1CAD	12AW	10/25/02	IM40MB	BORON	1.9 J	MG/KG	0.5	1	9.6				1.56E+03	

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12AW1CAD	12AW	10/25/02	IM40MB	CALCIUM	112	MG/KG	0.5	1	288					
HC12AW1CAD	12AW	10/25/02	IM40MB	CHROMIUM, TOTAL	9.7	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12AW1CAD	12AW	10/25/02	IM40MB	COBALT	2.4	MG/KG	0.5	1	4				9.03E+02	
HC12AW1CAD	12AW	10/25/02	IM40MB	COPPER	5.2	MG/KG	0.5	1	11				3.13E+02	
HC12AW1CAD	12AW	10/25/02	IM40MB	IRON	7740	MG/KG	0.5	1	17800				2.35E+03	X
HC12AW1CAD	12AW	10/25/02	IM40MB	LEAD	11.9	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12AW1CAD	12AW	10/25/02	IM40MB	MAGNESIUM	951	MG/KG	0.5	1	2010					
HC12AW1CAD	12AW	10/25/02	IM40MB	MANGANESE	41.5	MG/KG	0.5	1	134				1.76E+02	
HC12AW1CAD	12AW	10/25/02	IM40MB	MOLYBDENUM	0.45	MG/KG	0.5	1	1.2				3.91E+01	
HC12AW1CAD	12AW	10/25/02	IM40MB	NICKEL	4.8 J	MG/KG	0.5	1	10				1.56E+02	
HC12AW1CAD	12AW	10/25/02	IM40MB	POTASSIUM	445	MG/KG	0.5	1	766					
HC12AW1CAD	12AW	10/25/02	IM40MB	VANADIUM	14.1	MG/KG	0.5	1	28.8				5.48E+01	
HC12AW1CAD	12AW	10/25/02	IM40MB	ZINC	14.3	MG/KG	0.5	1	25.6				2.35E+03	
HC12AW1CAD	12AW	10/25/02	SW8270	BENZOIC ACID	29 J	UG/KG	0.5	1					1.00E+08	
HC12AX1AAA	12AX	10/25/02	8321D	{ND on all 4} analytes			0	0.25						
HC12AX1AAA	12AX	10/25/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12AX1AAA	12AX	10/25/02	D2216M	MOISTURE	23.6	PERCENT	0	0.25						
HC12AX1AAA	12AX	10/25/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12AX1AAA	12AX	10/25/02	IM40HG	MERCURY	0.09 J	MG/KG	0	0.25						
HC12AX1AAA	12AX	10/25/02	IM40MB	ALUMINUM	10000	MG/KG	0	0.25	16019				7.61E+03	X
HC12AX1AAA	12AX	10/25/02	IM40MB	ARSENIC	3.9	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12AX1AAA	12AX	10/25/02	IM40MB	BARIUM	14	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12AX1AAA	12AX	10/25/02	IM40MB	BERYLLIUM	0.15	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12AX1AAA	12AX	10/25/02	IM40MB	BORON	2.7	MG/KG	0	0.25	9.6				1.56E+03	
HC12AX1AAA	12AX	10/25/02	IM40MB	CADMIUM	0.08 J	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12AX1AAA	12AX	10/25/02	IM40MB	CALCIUM	144	MG/KG	0	0.25	288					
HC12AX1AAA	12AX	10/25/02	IM40MB	CHROMIUM, TOTAL	9.9	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12AX1AAA	12AX	10/25/02	IM40MB	COBALT	1.6	MG/KG	0	0.25	4				9.03E+02	
HC12AX1AAA	12AX	10/25/02	IM40MB	COPPER	19.4	MG/KG	0	0.25	11	X			3.13E+02	
HC12AX1AAA	12AX	10/25/02	IM40MB	IRON	11900	MG/KG	0	0.25	17800				2.35E+03	X
HC12AX1AAA	12AX	10/25/02	IM40MB	LEAD	28.1	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12AX1AAA	12AX	10/25/02	IM40MB	MAGNESIUM	599	MG/KG	0	0.25	2010					
HC12AX1AAA	12AX	10/25/02	IM40MB	MANGANESE	29.2	MG/KG	0	0.25	134				1.76E+02	
HC12AX1AAA	12AX	10/25/02	IM40MB	MOLYBDENUM	0.67	MG/KG	0	0.25	1.2				3.91E+01	
HC12AX1AAA	12AX	10/25/02	IM40MB	NICKEL	3.5 J	MG/KG	0	0.25	10				1.56E+02	
HC12AX1AAA	12AX	10/25/02	IM40MB	POTASSIUM	400	MG/KG	0	0.25	766					
HC12AX1AAA	12AX	10/25/02	IM40MB	VANADIUM	22.6	MG/KG	0	0.25	28.8				5.48E+01	
HC12AX1AAA	12AX	10/25/02	IM40MB	ZINC	18.5	MG/KG	0	0.25	25.6				2.35E+03	
HC12AX1AAA	12AX	10/25/02	SW8270	BENZOIC ACID	97 J	UG/KG	0	0.25					1.00E+08	
HC12AX1BAA	12AX	10/25/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12AX1BAA	12AX	10/25/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12AX1BAA	12AX	10/25/02	D2216M	MOISTURE	20.4	PERCENT	0.25	0.5						
HC12AX1BAA	12AX	10/25/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12AX1BAA	12AX	10/25/02	IM40HG	MERCURY	0.06 J	MG/KG	0.25	0.5						

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12AX1BAA	12AX	10/25/02	IM40MB	ALUMINUM	14400	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12AX1BAA	12AX	10/25/02	IM40MB	ARSENIC	4.3	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12AX1BAA	12AX	10/25/02	IM40MB	BARIUM	13.3	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12AX1BAA	12AX	10/25/02	IM40MB	BERYLLIUM	0.23	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12AX1BAA	12AX	10/25/02	IM40MB	BORON	2.8	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12AX1BAA	12AX	10/25/02	IM40MB	CALCIUM	116	MG/KG	0.25	0.5	288					
HC12AX1BAA	12AX	10/25/02	IM40MB	CHROMIUM, TOTAL	14.3	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12AX1BAA	12AX	10/25/02	IM40MB	COBALT	2.5	MG/KG	0.25	0.5	4				9.03E+02	
HC12AX1BAA	12AX	10/25/02	IM40MB	COPPER	9.2	MG/KG	0.25	0.5	11				3.13E+02	
HC12AX1BAA	12AX	10/25/02	IM40MB	IRON	13600	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12AX1BAA	12AX	10/25/02	IM40MB	LEAD	9.8	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12AX1BAA	12AX	10/25/02	IM40MB	MAGNESIUM	900	MG/KG	0.25	0.5	2010					
HC12AX1BAA	12AX	10/25/02	IM40MB	MANGANESE	40.9	MG/KG	0.25	0.5	134				1.76E+02	
HC12AX1BAA	12AX	10/25/02	IM40MB	MOLYBDENUM	0.67	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12AX1BAA	12AX	10/25/02	IM40MB	NICKEL	5.4 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12AX1BAA	12AX	10/25/02	IM40MB	POTASSIUM	420	MG/KG	0.25	0.5	766					
HC12AX1BAA	12AX	10/25/02	IM40MB	VANADIUM	21.6	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12AX1BAA	12AX	10/25/02	IM40MB	ZINC	18.2	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12AX1BAA	12AX	10/25/02	SW8270	BENZOIC ACID	40 J	UG/KG	0.25	0.5					1.00E+08	
HC12AX1BAA	12AX	10/25/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12AX1CAA	12AX	10/25/02	8321D	{ND on all 4} analytes			0.5	1						
HC12AX1CAA	12AX	10/25/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12AX1CAA	12AX	10/25/02	D2216M	MOISTURE	17.5	PERCENT	0.5	1						
HC12AX1CAA	12AX	10/25/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12AX1CAA	12AX	10/25/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12AX1CAA	12AX	10/25/02	IM40MB	ALUMINUM	13800	MG/KG	0.5	1	16019				7.61E+03	X
HC12AX1CAA	12AX	10/25/02	IM40MB	ARSENIC	4.5	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12AX1CAA	12AX	10/25/02	IM40MB	BARIUM	14.5	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12AX1CAA	12AX	10/25/02	IM40MB	BERYLLIUM	0.23	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12AX1CAA	12AX	10/25/02	IM40MB	BORON	3.1	MG/KG	0.5	1	9.6				1.56E+03	
HC12AX1CAA	12AX	10/25/02	IM40MB	CALCIUM	104	MG/KG	0.5	1	288					
HC12AX1CAA	12AX	10/25/02	IM40MB	CHROMIUM, TOTAL	14.7	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12AX1CAA	12AX	10/25/02	IM40MB	COBALT	2.8	MG/KG	0.5	1	4				9.03E+02	
HC12AX1CAA	12AX	10/25/02	IM40MB	IRON	13000	MG/KG	0.5	1	17800				2.35E+03	X
HC12AX1CAA	12AX	10/25/02	IM40MB	LEAD	8.5	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12AX1CAA	12AX	10/25/02	IM40MB	MAGNESIUM	1250	MG/KG	0.5	1	2010					
HC12AX1CAA	12AX	10/25/02	IM40MB	MANGANESE	53.1	MG/KG	0.5	1	134				1.76E+02	
HC12AX1CAA	12AX	10/25/02	IM40MB	MOLYBDENUM	0.55	MG/KG	0.5	1	1.2				3.91E+01	
HC12AX1CAA	12AX	10/25/02	IM40MB	NICKEL	5.9 J	MG/KG	0.5	1	10				1.56E+02	
HC12AX1CAA	12AX	10/25/02	IM40MB	POTASSIUM	467	MG/KG	0.5	1	766					
HC12AX1CAA	12AX	10/25/02	IM40MB	VANADIUM	20.8	MG/KG	0.5	1	28.8				5.48E+01	
HC12AX1CAA	12AX	10/25/02	IM40MB	ZINC	16.5	MG/KG	0.5	1	25.6				2.35E+03	
HC12AX1CAA	12AX	10/25/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12AY1AAA	12AY	10/25/02	8321D	{ND on all 4} analytes			0	0.25						

Table 1
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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12AY1AAA	12AY	10/25/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12AY1AAA	12AY	10/25/02	D2216M	MOISTURE	13	PERCENT	0	0.25						
HC12AY1AAA	12AY	10/25/02	E314.0	PERCHLORATE	7.27	UG/KG	0	0.25					7.82E+03	
HC12AY1AAA	12AY	10/25/02	IM40HG	MERCURY	0.18	MG/KG	0	0.25						
HC12AY1AAA	12AY	10/25/02	IM40MB	ALUMINUM	5440	MG/KG	0	0.25	16019				7.61E+03	
HC12AY1AAA	12AY	10/25/02	IM40MB	ANTIMONY	3.1 J	MG/KG	0	0.25	1.9	X			3.13E+00	
HC12AY1AAA	12AY	10/25/02	IM40MB	ARSENIC	2.4	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12AY1AAA	12AY	10/25/02	IM40MB	BARIUM	14.2	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12AY1AAA	12AY	10/25/02	IM40MB	BERYLLIUM	0.17	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12AY1AAA	12AY	10/25/02	IM40MB	BORON	1.8 J	MG/KG	0	0.25	9.6				1.56E+03	
HC12AY1AAA	12AY	10/25/02	IM40MB	CALCIUM	189	MG/KG	0	0.25	288					
HC12AY1AAA	12AY	10/25/02	IM40MB	CHROMIUM, TOTAL	6.7	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12AY1AAA	12AY	10/25/02	IM40MB	COBALT	1.3	MG/KG	0	0.25	4				9.03E+02	
HC12AY1AAA	12AY	10/25/02	IM40MB	COPPER	44.3	MG/KG	0	0.25	11	X			3.13E+02	
HC12AY1AAA	12AY	10/25/02	IM40MB	IRON	7310	MG/KG	0	0.25	17800				2.35E+03	X
HC12AY1AAA	12AY	10/25/02	IM40MB	LEAD	266	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	X
HC12AY1AAA	12AY	10/25/02	IM40MB	MAGNESIUM	646	MG/KG	0	0.25	2010					
HC12AY1AAA	12AY	10/25/02	IM40MB	MANGANESE	52.4	MG/KG	0	0.25	134				1.76E+02	
HC12AY1AAA	12AY	10/25/02	IM40MB	MOLYBDENUM	0.59	MG/KG	0	0.25	1.2				3.91E+01	
HC12AY1AAA	12AY	10/25/02	IM40MB	NICKEL	3.4 J	MG/KG	0	0.25	10				1.56E+02	
HC12AY1AAA	12AY	10/25/02	IM40MB	POTASSIUM	375	MG/KG	0	0.25	766					
HC12AY1AAA	12AY	10/25/02	IM40MB	VANADIUM	17	MG/KG	0	0.25	28.8				5.48E+01	
HC12AY1AAA	12AY	10/25/02	IM40MB	ZINC	28.1	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12AY1AAA	12AY	10/25/02	SW8270	1,3-DIETHYL-1,3-DIPHENYL UREA	140 J	UG/KG	0	0.25						
HC12AY1AAA	12AY	10/25/02	SW8270	BENZO(A)PYRENE	20 J	UG/KG	0	0.25	460		2.00E+03		6.22E+01	
HC12AY1AAA	12AY	10/25/02	SW8270	BENZO(B)FLUORANTHENE	24 J	UG/KG	0	0.25	460		7.00E+03		6.21E+02	
HC12AY1AAA	12AY	10/25/02	SW8270	BENZO(K)FLUORANTHENE	28 J	UG/KG	0	0.25	460		7.00E+04		6.21E+03	
HC12AY1AAA	12AY	10/25/02	SW8270	BENZOIC ACID	60 J	UG/KG	0	0.25					1.00E+08	
HC12AY1AAA	12AY	10/25/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	42 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12AY1AAA	12AY	10/25/02	SW8270	CHRYSENE	32 J	UG/KG	0	0.25	460		7.00E+04		6.21E+04	
HC12AY1AAA	12AY	10/25/02	SW8270	DI-N-BUTYL PHTHALATE	42 J	UG/KG	0	0.25					6.11E+05	
HC12AY1AAA	12AY	10/25/02	SW8270	FLUORANTHENE	41 J	UG/KG	0	0.25	460		1.00E+06		2.29E+05	
HC12AY1AAA	12AY	10/25/02	SW8270	PHENANTHRENE	29 J	UG/KG	0	0.25	460				2.19E+06	
HC12AY1AAA	12AY	10/25/02	SW8270	PYRENE	55 J	UG/KG	0	0.25	460				2.32E+05	
HC12AY1BAA	12AY	10/25/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12AY1BAA	12AY	10/25/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12AY1BAA	12AY	10/25/02	D2216M	MOISTURE	11.3	PERCENT	0.25	0.5						
HC12AY1BAA	12AY	10/25/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12AY1BAA	12AY	10/25/02	IM40HG	MERCURY	0.07 J	MG/KG	0.25	0.5						
HC12AY1BAA	12AY	10/25/02	IM40MB	ALUMINUM	4660	MG/KG	0.25	0.5	16019				7.61E+03	
HC12AY1BAA	12AY	10/25/02	IM40MB	ANTIMONY	1.1 J	MG/KG	0.25	0.5	1.9				3.13E+00	
HC12AY1BAA	12AY	10/25/02	IM40MB	ARSENIC	3.2	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12AY1BAA	12AY	10/25/02	IM40MB	BARIUM	10	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12AY1BAA	12AY	10/25/02	IM40MB	BERYLLIUM	0.15	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	

Table 1
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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12AY1BAA	12AY	10/25/02	IM40MB	BORON	2.1 J	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12AY1BAA	12AY	10/25/02	IM40MB	CALCIUM	119	MG/KG	0.25	0.5	288					
HC12AY1BAA	12AY	10/25/02	IM40MB	CHROMIUM, TOTAL	5.8	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12AY1BAA	12AY	10/25/02	IM40MB	COBALT	1.3	MG/KG	0.25	0.5	4				9.03E+02	
HC12AY1BAA	12AY	10/25/02	IM40MB	COPPER	19.4	MG/KG	0.25	0.5	11	X			3.13E+02	
HC12AY1BAA	12AY	10/25/02	IM40MB	IRON	6550	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12AY1BAA	12AY	10/25/02	IM40MB	LEAD	98.7	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	X
HC12AY1BAA	12AY	10/25/02	IM40MB	MAGNESIUM	505	MG/KG	0.25	0.5	2010					
HC12AY1BAA	12AY	10/25/02	IM40MB	MANGANESE	40	MG/KG	0.25	0.5	134				1.76E+02	
HC12AY1BAA	12AY	10/25/02	IM40MB	MOLYBDENUM	0.71	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12AY1BAA	12AY	10/25/02	IM40MB	POTASSIUM	309	MG/KG	0.25	0.5	766					
HC12AY1BAA	12AY	10/25/02	IM40MB	VANADIUM	13.7	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12AY1BAA	12AY	10/25/02	IM40MB	ZINC	17.7	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12AY1BAA	12AY	10/25/02	SW8270	BENZO(A)ANTHRACENE	24 J	UG/KG	0.25	0.5	460		7.00E+03		6.21E+02	
HC12AY1BAA	12AY	10/25/02	SW8270	BENZO(B)FLUORANTHENE	27 J	UG/KG	0.25	0.5	460		7.00E+03		6.21E+02	
HC12AY1BAA	12AY	10/25/02	SW8270	BENZO(K)FLUORANTHENE	23 J	UG/KG	0.25	0.5	460		7.00E+04		6.21E+03	
HC12AY1BAA	12AY	10/25/02	SW8270	BENZOIC ACID	54 J	UG/KG	0.25	0.5					1.00E+08	
HC12AY1BAA	12AY	10/25/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12AY1BAA	12AY	10/25/02	SW8270	CHRYSENE	36 J	UG/KG	0.25	0.5	460		7.00E+04		6.21E+04	
HC12AY1BAA	12AY	10/25/02	SW8270	FLUORANTHENE	19 J	UG/KG	0.25	0.5	460		1.00E+06		2.29E+05	
HC12AY1BAA	12AY	10/25/02	SW8270	PYRENE	78 J	UG/KG	0.25	0.5	460				2.32E+05	
HC12AY1CAA	12AY	10/25/02	8321D	{ND on all 4} analytes			0.5	1						
HC12AY1CAA	12AY	10/25/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12AY1CAA	12AY	10/25/02	D2216M	MOISTURE	6.8	PERCENT	0.5	1						
HC12AY1CAA	12AY	10/25/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12AY1CAA	12AY	10/25/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12AY1CAA	12AY	10/25/02	IM40MB	ALUMINUM	4700	MG/KG	0.5	1	16019				7.61E+03	
HC12AY1CAA	12AY	10/25/02	IM40MB	ARSENIC	2.7	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12AY1CAA	12AY	10/25/02	IM40MB	BARIUM	7.2	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12AY1CAA	12AY	10/25/02	IM40MB	BERYLLIUM	0.15	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12AY1CAA	12AY	10/25/02	IM40MB	BORON	1.5 J	MG/KG	0.5	1	9.6				1.56E+03	
HC12AY1CAA	12AY	10/25/02	IM40MB	CALCIUM	120	MG/KG	0.5	1	288					
HC12AY1CAA	12AY	10/25/02	IM40MB	CHROMIUM, TOTAL	5.4	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12AY1CAA	12AY	10/25/02	IM40MB	COBALT	1.4	MG/KG	0.5	1	4				9.03E+02	
HC12AY1CAA	12AY	10/25/02	IM40MB	COPPER	6.9	MG/KG	0.5	1	11				3.13E+02	
HC12AY1CAA	12AY	10/25/02	IM40MB	IRON	6190	MG/KG	0.5	1	17800				2.35E+03	X
HC12AY1CAA	12AY	10/25/02	IM40MB	LEAD	53.5	MG/KG	0.5	1	19	X	3.00E+02		4.00E+01	X
HC12AY1CAA	12AY	10/25/02	IM40MB	MAGNESIUM	542	MG/KG	0.5	1	2010					
HC12AY1CAA	12AY	10/25/02	IM40MB	MANGANESE	37.8	MG/KG	0.5	1	134				1.76E+02	
HC12AY1CAA	12AY	10/25/02	IM40MB	MOLYBDENUM	0.45	MG/KG	0.5	1	1.2				3.91E+01	
HC12AY1CAA	12AY	10/25/02	IM40MB	NICKEL	2.7 J	MG/KG	0.5	1	10				1.56E+02	
HC12AY1CAA	12AY	10/25/02	IM40MB	POTASSIUM	295	MG/KG	0.5	1	766					
HC12AY1CAA	12AY	10/25/02	IM40MB	VANADIUM	10.1	MG/KG	0.5	1	28.8				5.48E+01	
HC12AY1CAA	12AY	10/25/02	IM40MB	ZINC	11.6	MG/KG	0.5	1	25.6				2.35E+03	

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12AY1CAA	12AY	10/25/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12AZ1AAA	12AZ	10/28/02	8321D	{ND on all 4} analytes			0	0.25						
HC12AZ1AAA	12AZ	10/28/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12AZ1AAA	12AZ	10/28/02	D2216M	MOISTURE	21.3	PERCENT	0	0.25						
HC12AZ1AAA	12AZ	10/28/02	E314.0	PERCHLORATE	5.13	UG/KG	0	0.25					7.82E+03	
HC12AZ1AAA	12AZ	10/28/02	IM40HG	MERCURY	0.07 J	MG/KG	0	0.25						
HC12AZ1AAA	12AZ	10/28/02	IM40MB	ALUMINUM	7420	MG/KG	0	0.25	16019				7.61E+03	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	ARSENIC	3.9	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12AZ1AAA	12AZ	10/28/02	IM40MB	BARIUM	17.3	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	BERYLLIUM	0.18	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	BORON	3.4 J	MG/KG	0	0.25	9.6				1.56E+03	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	CADMIUM	0.07 J	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	CALCIUM	252	MG/KG	0	0.25	288					
HC12AZ1AAA	12AZ	10/28/02	IM40MB	CHROMIUM, TOTAL	8.2	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	COBALT	1.3	MG/KG	0	0.25	4				9.03E+02	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	COPPER	36.3	MG/KG	0	0.25	11	X			3.13E+02	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	IRON	12400	MG/KG	0	0.25	17800				2.35E+03	X
HC12AZ1AAA	12AZ	10/28/02	IM40MB	LEAD	59.2	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	X
HC12AZ1AAA	12AZ	10/28/02	IM40MB	MAGNESIUM	522	MG/KG	0	0.25	2010					
HC12AZ1AAA	12AZ	10/28/02	IM40MB	MANGANESE	38.5	MG/KG	0	0.25	134				1.76E+02	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	MOLYBDENUM	0.76 J	MG/KG	0	0.25	1.2				3.91E+01	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	NICKEL	3.9 J	MG/KG	0	0.25	10				1.56E+02	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	POTASSIUM	377	MG/KG	0	0.25	766					
HC12AZ1AAA	12AZ	10/28/02	IM40MB	VANADIUM	29.5	MG/KG	0	0.25	28.8	X			5.48E+01	
HC12AZ1AAA	12AZ	10/28/02	IM40MB	ZINC	28.2	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12AZ1AAA	12AZ	10/28/02	SW8270	BENZOIC ACID	67 J	UG/KG	0	0.25					1.00E+08	
HC12AZ1AAA	12AZ	10/28/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	29 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12AZ1AAA	12AZ	10/28/02	SW8270	FLUORANTHENE	22 J	UG/KG	0	0.25	460		1.00E+06		2.29E+05	
HC12AZ1AAA	12AZ	10/28/02	SW8270	PYRENE	25 J	UG/KG	0	0.25	460				2.32E+05	
HC12AZ1BAA	12AZ	10/28/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12AZ1BAA	12AZ	10/28/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12AZ1BAA	12AZ	10/28/02	D2216M	MOISTURE	19.1	PERCENT	0.25	0.5						
HC12AZ1BAA	12AZ	10/28/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12AZ1BAA	12AZ	10/28/02	IM40HG	MERCURY	0.07 J	MG/KG	0.25	0.5						
HC12AZ1BAA	12AZ	10/28/02	IM40MB	ALUMINUM	13100	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12AZ1BAA	12AZ	10/28/02	IM40MB	ARSENIC	3.9	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12AZ1BAA	12AZ	10/28/02	IM40MB	BARIUM	13.1	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	BERYLLIUM	0.27	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	BORON	3.2	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	CALCIUM	183	MG/KG	0.25	0.5	288					
HC12AZ1BAA	12AZ	10/28/02	IM40MB	CHROMIUM, TOTAL	12.1	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	COBALT	2.3	MG/KG	0.25	0.5	4				9.03E+02	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	COPPER	24.3	MG/KG	0.25	0.5	11	X			3.13E+02	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	IRON	12200	MG/KG	0.25	0.5	17800				2.35E+03	X

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12AZ1BAA	12AZ	10/28/02	IM40MB	LEAD	22.4	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	MAGNESIUM	812	MG/KG	0.25	0.5	2010					
HC12AZ1BAA	12AZ	10/28/02	IM40MB	MANGANESE	46.8	MG/KG	0.25	0.5	134				1.76E+02	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	MOLYBDENUM	0.73 J	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	NICKEL	5.4 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	POTASSIUM	358	MG/KG	0.25	0.5	766					
HC12AZ1BAA	12AZ	10/28/02	IM40MB	SELENIUM	1.7 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	VANADIUM	22.4	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12AZ1BAA	12AZ	10/28/02	IM40MB	ZINC	32.6	MG/KG	0.25	0.5	25.6	X			2.35E+03	
HC12AZ1BAA	12AZ	10/28/02	SW8270	{ND on all 78} analytes			0.25	0.5						
HC12AZ1CAA	12AZ	10/28/02	8321D	{ND on all 4} analytes			0.5	1						
HC12AZ1CAA	12AZ	10/28/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12AZ1CAA	12AZ	10/28/02	D2216M	MOISTURE	22.8	PERCENT	0.5	1						
HC12AZ1CAA	12AZ	10/28/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12AZ1CAA	12AZ	10/28/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12AZ1CAA	12AZ	10/28/02	IM40MB	ALUMINUM	11900	MG/KG	0.5	1	16019				7.61E+03	X
HC12AZ1CAA	12AZ	10/28/02	IM40MB	ARSENIC	4.4	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12AZ1CAA	12AZ	10/28/02	IM40MB	BARIUM	17.6	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	BERYLLIUM	0.32	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	BORON	3.2	MG/KG	0.5	1	9.6				1.56E+03	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	CALCIUM	218	MG/KG	0.5	1	288					
HC12AZ1CAA	12AZ	10/28/02	IM40MB	CHROMIUM, TOTAL	11.5	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	COBALT	2.4	MG/KG	0.5	1	4				9.03E+02	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	COPPER	11.5	MG/KG	0.5	1	11	X			3.13E+02	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	IRON	11100	MG/KG	0.5	1	17800				2.35E+03	X
HC12AZ1CAA	12AZ	10/28/02	IM40MB	LEAD	61	MG/KG	0.5	1	19	X	3.00E+02		4.00E+01	X
HC12AZ1CAA	12AZ	10/28/02	IM40MB	MAGNESIUM	926	MG/KG	0.5	1	2010					
HC12AZ1CAA	12AZ	10/28/02	IM40MB	MANGANESE	71.6	MG/KG	0.5	1	134				1.76E+02	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	MOLYBDENUM	0.61 J	MG/KG	0.5	1	1.2				3.91E+01	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	NICKEL	6 J	MG/KG	0.5	1	10				1.56E+02	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	POTASSIUM	426	MG/KG	0.5	1	766					
HC12AZ1CAA	12AZ	10/28/02	IM40MB	VANADIUM	19.5	MG/KG	0.5	1	28.8				5.48E+01	
HC12AZ1CAA	12AZ	10/28/02	IM40MB	ZINC	26.8	MG/KG	0.5	1	25.6	X			2.35E+03	
HC12AZ1CAA	12AZ	10/28/02	SW8270	{ND on all 78} analytes			0.5	1						
HC12BA1AAA	12BA	10/28/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BA1AAA	12BA	10/28/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BA1AAA	12BA	10/28/02	D2216M	MOISTURE	9.8	PERCENT	0	0.25						
HC12BA1AAA	12BA	10/28/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BA1AAA	12BA	10/28/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BA1AAA	12BA	10/28/02	IM40MB	ALUMINUM	6030	MG/KG	0	0.25	16019				7.61E+03	
HC12BA1AAA	12BA	10/28/02	IM40MB	ANTIMONY	2.2 J	MG/KG	0	0.25	1.9	X			3.13E+00	
HC12BA1AAA	12BA	10/28/02	IM40MB	ARSENIC	3.1	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BA1AAA	12BA	10/28/02	IM40MB	BARIUM	12.9	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BA1AAA	12BA	10/28/02	IM40MB	BERYLLIUM	0.14	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BA1AAA	12BA	10/28/02	IM40MB	BORON	2.1	MG/KG	0	0.25	9.6				1.56E+03	
HC12BA1AAA	12BA	10/28/02	IM40MB	CADMIUM	0.14	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12BA1AAA	12BA	10/28/02	IM40MB	CALCIUM	138	MG/KG	0	0.25	288					
HC12BA1AAA	12BA	10/28/02	IM40MB	CHROMIUM, TOTAL	7	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BA1AAA	12BA	10/28/02	IM40MB	COBALT	1.6	MG/KG	0	0.25	4				9.03E+02	
HC12BA1AAA	12BA	10/28/02	IM40MB	COPPER	497	MG/KG	0	0.25	11	X			3.13E+02	X
HC12BA1AAA	12BA	10/28/02	IM40MB	IRON	7270	MG/KG	0	0.25	17800				2.35E+03	X
HC12BA1AAA	12BA	10/28/02	IM40MB	LEAD	427	MG/KG	0	0.25	19	X	3.00E+02	X	4.00E+01	X
HC12BA1AAA	12BA	10/28/02	IM40MB	MAGNESIUM	518	MG/KG	0	0.25	2010					
HC12BA1AAA	12BA	10/28/02	IM40MB	MANGANESE	53.3	MG/KG	0	0.25	134				1.76E+02	
HC12BA1AAA	12BA	10/28/02	IM40MB	MOLYBDENUM	0.68 J	MG/KG	0	0.25	1.2				3.91E+01	
HC12BA1AAA	12BA	10/28/02	IM40MB	POTASSIUM	336	MG/KG	0	0.25	766					
HC12BA1AAA	12BA	10/28/02	IM40MB	VANADIUM	13.6	MG/KG	0	0.25	28.8				5.48E+01	
HC12BA1AAA	12BA	10/28/02	IM40MB	ZINC	53.5	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12BA1AAA	12BA	10/28/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	50 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BA1AAA	12BA	10/28/02	SW8270	CHRYSENE	23 J	UG/KG	0	0.25	460		7.00E+04		6.21E+04	
HC12BA1AAA	12BA	10/28/02	SW8270	DI-N-BUTYL PHTHALATE	28 J	UG/KG	0	0.25					6.11E+05	
HC12BA1AAA	12BA	10/28/02	SW8270	FLUORANTHENE	27 J	UG/KG	0	0.25	460		1.00E+06		2.29E+05	
HC12BA1AAA	12BA	10/28/02	SW8270	PYRENE	30 J	UG/KG	0	0.25	460				2.32E+05	
HC12BA1BAA	12BA	10/28/02	8321D	{ND on all 4} analytes				0.25	0.5					
HC12BA1BAA	12BA	10/28/02	8330LN	{ND on all 19} analytes				0.25	0.5					
HC12BA1BAA	12BA	10/28/02	D2216M	MOISTURE	7.6	PERCENT		0.25	0.5					
HC12BA1BAA	12BA	10/28/02	E314.0	{ND on all 1} analytes				0.25	0.5					
HC12BA1BAA	12BA	10/28/02	IM40HG	{ND on all 1} analytes				0.25	0.5					
HC12BA1BAA	12BA	10/28/02	IM40MB	ALUMINUM	3950	MG/KG	0.25	0.5	16019				7.61E+03	
HC12BA1BAA	12BA	10/28/02	IM40MB	ARSENIC	2.4	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BA1BAA	12BA	10/28/02	IM40MB	BARIUM	5.9	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BA1BAA	12BA	10/28/02	IM40MB	BERYLLIUM	0.12	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BA1BAA	12BA	10/28/02	IM40MB	BORON	1.3 J	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BA1BAA	12BA	10/28/02	IM40MB	CALCIUM	103	MG/KG	0.25	0.5	288					
HC12BA1BAA	12BA	10/28/02	IM40MB	CHROMIUM, TOTAL	4.6	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BA1BAA	12BA	10/28/02	IM40MB	COBALT	1.4	MG/KG	0.25	0.5	4				9.03E+02	
HC12BA1BAA	12BA	10/28/02	IM40MB	COPPER	10.9	MG/KG	0.25	0.5	11				3.13E+02	
HC12BA1BAA	12BA	10/28/02	IM40MB	IRON	5180	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BA1BAA	12BA	10/28/02	IM40MB	LEAD	65.8	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	X
HC12BA1BAA	12BA	10/28/02	IM40MB	MAGNESIUM	447	MG/KG	0.25	0.5	2010					
HC12BA1BAA	12BA	10/28/02	IM40MB	MANGANESE	59.2	MG/KG	0.25	0.5	134				1.76E+02	
HC12BA1BAA	12BA	10/28/02	IM40MB	MOLYBDENUM	0.59 J	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BA1BAA	12BA	10/28/02	IM40MB	NICKEL	2.8 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BA1BAA	12BA	10/28/02	IM40MB	POTASSIUM	259	MG/KG	0.25	0.5	766					
HC12BA1BAA	12BA	10/28/02	IM40MB	VANADIUM	8.3	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BA1BAA	12BA	10/28/02	IM40MB	ZINC	13.7	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BA1BAA	12BA	10/28/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	48 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BA1CAA	12BA	10/28/02	8321D	{ND on all 4} analytes				0.5	1					

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BA1CAA	12BA	10/28/02	8330LN	HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	670	UG/KG	0.5	1			1.00E+03		4.42E+03	
HC12BA1CAA	12BA	10/28/02	8330LN	OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET	300 J	UG/KG	0.5	1			2.00E+03		3.06E+05	
HC12BA1CAA	12BA	10/28/02	D2216M	MOISTURE	4.4	PERCENT	0.5	1						
HC12BA1CAA	12BA	10/28/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BA1CAA	12BA	10/28/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BA1CAA	12BA	10/28/02	IM40MB	ALUMINUM	3640	MG/KG	0.5	1	16019				7.61E+03	
HC12BA1CAA	12BA	10/28/02	IM40MB	ARSENIC	1.6	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	
HC12BA1CAA	12BA	10/28/02	IM40MB	BARIUM	5.7	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BA1CAA	12BA	10/28/02	IM40MB	BERYLLIUM	0.13	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BA1CAA	12BA	10/28/02	IM40MB	BORON	0.99 J	MG/KG	0.5	1	9.6				1.56E+03	
HC12BA1CAA	12BA	10/28/02	IM40MB	CALCIUM	116	MG/KG	0.5	1	288					
HC12BA1CAA	12BA	10/28/02	IM40MB	CHROMIUM, TOTAL	4.5	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BA1CAA	12BA	10/28/02	IM40MB	COBALT	1.2	MG/KG	0.5	1	4				9.03E+02	
HC12BA1CAA	12BA	10/28/02	IM40MB	COPPER	13.1	MG/KG	0.5	1	11	X			3.13E+02	
HC12BA1CAA	12BA	10/28/02	IM40MB	IRON	4460	MG/KG	0.5	1	17800				2.35E+03	X
HC12BA1CAA	12BA	10/28/02	IM40MB	LEAD	86.3	MG/KG	0.5	1	19	X	3.00E+02		4.00E+01	X
HC12BA1CAA	12BA	10/28/02	IM40MB	MAGNESIUM	459	MG/KG	0.5	1	2010					
HC12BA1CAA	12BA	10/28/02	IM40MB	MANGANESE	45.5	MG/KG	0.5	1	134				1.76E+02	
HC12BA1CAA	12BA	10/28/02	IM40MB	MOLYBDENUM	0.22 J	MG/KG	0.5	1	1.2				3.91E+01	
HC12BA1CAA	12BA	10/28/02	IM40MB	POTASSIUM	248	MG/KG	0.5	1	766					
HC12BA1CAA	12BA	10/28/02	IM40MB	VANADIUM	7.1	MG/KG	0.5	1	28.8				5.48E+01	
HC12BA1CAA	12BA	10/28/02	IM40MB	ZINC	13.1	MG/KG	0.5	1	25.6				2.35E+03	
HC12BA1CAA	12BA	10/28/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BC1AAA	12BC	10/28/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BC1AAA	12BC	10/28/02	8330LN	2,4-DINITROTOLUENE	1100 J	UG/KG	0	0.25			7.00E+02	X	1.22E+04	
HC12BC1AAA	12BC	10/28/02	D2216M	MOISTURE	25.5	PERCENT	0	0.25						
HC12BC1AAA	12BC	10/28/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BC1AAA	12BC	10/28/02	IM40HG	MERCURY	0.12 J	MG/KG	0	0.25						
HC12BC1AAA	12BC	10/28/02	IM40MB	ALUMINUM	5210	MG/KG	0	0.25	16019				7.61E+03	
HC12BC1AAA	12BC	10/28/02	IM40MB	ANTIMONY	1 J	MG/KG	0	0.25	1.9				3.13E+00	
HC12BC1AAA	12BC	10/28/02	IM40MB	ARSENIC	3.8	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BC1AAA	12BC	10/28/02	IM40MB	BARIUM	23.2	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BC1AAA	12BC	10/28/02	IM40MB	BERYLLIUM	0.14	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BC1AAA	12BC	10/28/02	IM40MB	BORON	2.9	MG/KG	0	0.25	9.6				1.56E+03	
HC12BC1AAA	12BC	10/28/02	IM40MB	CADMIUM	0.12 J	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12BC1AAA	12BC	10/28/02	IM40MB	CALCIUM	294	MG/KG	0	0.25	288	X				
HC12BC1AAA	12BC	10/28/02	IM40MB	CHROMIUM, TOTAL	6.6	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BC1AAA	12BC	10/28/02	IM40MB	COBALT	1.1	MG/KG	0	0.25	4				9.03E+02	
HC12BC1AAA	12BC	10/28/02	IM40MB	COPPER	95.2	MG/KG	0	0.25	11	X			3.13E+02	
HC12BC1AAA	12BC	10/28/02	IM40MB	IRON	9750	MG/KG	0	0.25	17800				2.35E+03	X
HC12BC1AAA	12BC	10/28/02	IM40MB	LEAD	233	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	X
HC12BC1AAA	12BC	10/28/02	IM40MB	MAGNESIUM	331	MG/KG	0	0.25	2010					
HC12BC1AAA	12BC	10/28/02	IM40MB	MANGANESE	35.7	MG/KG	0	0.25	134				1.76E+02	
HC12BC1AAA	12BC	10/28/02	IM40MB	MOLYBDENUM	0.8 J	MG/KG	0	0.25	1.2				3.91E+01	

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HC12BC1AAA	12BC	10/28/02	IM40MB	NICKEL	4.3 J	MG/KG	0	0.25	10				1.56E+02	
HC12BC1AAA	12BC	10/28/02	IM40MB	POTASSIUM	352	MG/KG	0	0.25	766					
HC12BC1AAA	12BC	10/28/02	IM40MB	VANADIUM	24.4	MG/KG	0	0.25	28.8				5.48E+01	
HC12BC1AAA	12BC	10/28/02	IM40MB	ZINC	37.7	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12BC1AAA	12BC	10/28/02	SW8270	BENZO(A)ANTHRACENE	37 J	UG/KG	0	0.25	460		7.00E+03		6.21E+02	
HC12BC1AAA	12BC	10/28/02	SW8270	BENZO(A)PYRENE	35 J	UG/KG	0	0.25	460		2.00E+03		6.22E+01	
HC12BC1AAA	12BC	10/28/02	SW8270	BENZO(B)FLUORANTHENE	84 J	UG/KG	0	0.25	460		7.00E+03		6.21E+02	
HC12BC1AAA	12BC	10/28/02	SW8270	BENZO(G,H,I)PERYLENE	21 J	UG/KG	0	0.25	460		1.00E+06		2.32E+05	
HC12BC1AAA	12BC	10/28/02	SW8270	BENZO(K)FLUORANTHENE	74 J	UG/KG	0	0.25	460		7.00E+04		6.21E+03	
HC12BC1AAA	12BC	10/28/02	SW8270	BENZOIC ACID	94 J	UG/KG	0	0.25					1.00E+08	
HC12BC1AAA	12BC	10/28/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BC1AAA	12BC	10/28/02	SW8270	CHRYSENE	100 J	UG/KG	0	0.25	460		7.00E+04		6.21E+04	
HC12BC1AAA	12BC	10/28/02	SW8270	DI-N-BUTYL PHTHALATE	24 J	UG/KG	0	0.25					6.11E+05	
HC12BC1AAA	12BC	10/28/02	SW8270	FLUORANTHENE	74 J	UG/KG	0	0.25	460		1.00E+06		2.29E+05	
HC12BC1AAA	12BC	10/28/02	SW8270	INDENO(1,2,3-C,D)PYRENE	24 J	UG/KG	0	0.25	460		7.00E+03		6.21E+02	
HC12BC1AAA	12BC	10/28/02	SW8270	PHENANTHRENE	41 J	UG/KG	0	0.25	460				2.19E+06	
HC12BC1AAA	12BC	10/28/02	SW8270	PYRENE	59 J	UG/KG	0	0.25	460				2.32E+05	
HC12BC1BAA	12BC	10/28/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BC1BAA	12BC	10/28/02	8330LN	1,3-DINITROBENZENE	23 J	UG/KG	0.25	0.5					6.11E+02	
HC12BC1BAA	12BC	10/28/02	8330LN	2,4,6-TRINITROTOLUENE	18 J	UG/KG	0.25	0.5					1.62E+04	
HC12BC1BAA	12BC	10/28/02	8330LN	2,4-DINITROTOLUENE	770	UG/KG	0.25	0.5			7.00E+02	X	1.22E+04	
HC12BC1BAA	12BC	10/28/02	D2216M	MOISTURE	18.8	PERCENT	0.25	0.5						
HC12BC1BAA	12BC	10/28/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BC1BAA	12BC	10/28/02	IM40HG	MERCURY	0.07 J	MG/KG	0.25	0.5						
HC12BC1BAA	12BC	10/28/02	IM40MB	ALUMINUM	9370	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BC1BAA	12BC	10/28/02	IM40MB	ARSENIC	3.6	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BC1BAA	12BC	10/28/02	IM40MB	BARIUM	13.1	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BC1BAA	12BC	10/28/02	IM40MB	BERYLLIUM	0.19	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BC1BAA	12BC	10/28/02	IM40MB	BORON	2.8	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BC1BAA	12BC	10/28/02	IM40MB	CALCIUM	130	MG/KG	0.25	0.5	288					
HC12BC1BAA	12BC	10/28/02	IM40MB	CHROMIUM, TOTAL	9.4	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BC1BAA	12BC	10/28/02	IM40MB	COBALT	1.6	MG/KG	0.25	0.5	4				9.03E+02	
HC12BC1BAA	12BC	10/28/02	IM40MB	COPPER	12.9	MG/KG	0.25	0.5	11	X			3.13E+02	
HC12BC1BAA	12BC	10/28/02	IM40MB	IRON	12000	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BC1BAA	12BC	10/28/02	IM40MB	LEAD	32	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	
HC12BC1BAA	12BC	10/28/02	IM40MB	MAGNESIUM	479	MG/KG	0.25	0.5	2010					
HC12BC1BAA	12BC	10/28/02	IM40MB	MANGANESE	26.5	MG/KG	0.25	0.5	134				1.76E+02	
HC12BC1BAA	12BC	10/28/02	IM40MB	MOLYBDENUM	0.55 J	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BC1BAA	12BC	10/28/02	IM40MB	POTASSIUM	317	MG/KG	0.25	0.5	766					
HC12BC1BAA	12BC	10/28/02	IM40MB	VANADIUM	20.4	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BC1BAA	12BC	10/28/02	IM40MB	ZINC	17	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BC1BAA	12BC	10/28/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	36 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BC1CAA	12BC	10/28/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BC1CAA	12BC	10/28/02	8330LN	{ND on all 19} analytes			0.5	1						

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BC1CAA	12BC	10/28/02	D2216M	MOISTURE	18	PERCENT	0.5	1						
HC12BC1CAA	12BC	10/28/02	E314.0	PERCHLORATE	5.48	UG/KG	0.5	1					7.82E+03	
HC12BC1CAA	12BC	10/28/02	IM40HG	MERCURY	0.06 J	MG/KG	0.5	1						
HC12BC1CAA	12BC	10/28/02	IM40MB	ALUMINUM	10900	MG/KG	0.5	1	16019				7.61E+03	X
HC12BC1CAA	12BC	10/28/02	IM40MB	ARSENIC	3.8	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BC1CAA	12BC	10/28/02	IM40MB	BARIUM	11.6	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BC1CAA	12BC	10/28/02	IM40MB	BERYLLIUM	0.21	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BC1CAA	12BC	10/28/02	IM40MB	BORON	3.2	MG/KG	0.5	1	9.6				1.56E+03	
HC12BC1CAA	12BC	10/28/02	IM40MB	CALCIUM	134	MG/KG	0.5	1	288					
HC12BC1CAA	12BC	10/28/02	IM40MB	CHROMIUM, TOTAL	10.6	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BC1CAA	12BC	10/28/02	IM40MB	COBALT	1.7	MG/KG	0.5	1	4				9.03E+02	
HC12BC1CAA	12BC	10/28/02	IM40MB	COPPER	21.3	MG/KG	0.5	1	11	X			3.13E+02	
HC12BC1CAA	12BC	10/28/02	IM40MB	IRON	11400	MG/KG	0.5	1	17800				2.35E+03	X
HC12BC1CAA	12BC	10/28/02	IM40MB	LEAD	38.9	MG/KG	0.5	1	19	X	3.00E+02		4.00E+01	
HC12BC1CAA	12BC	10/28/02	IM40MB	MAGNESIUM	606	MG/KG	0.5	1	2010					
HC12BC1CAA	12BC	10/28/02	IM40MB	MANGANESE	31.4	MG/KG	0.5	1	134				1.76E+02	
HC12BC1CAA	12BC	10/28/02	IM40MB	MOLYBDENUM	0.71 J	MG/KG	0.5	1	1.2				3.91E+01	
HC12BC1CAA	12BC	10/28/02	IM40MB	NICKEL	3.8 J	MG/KG	0.5	1	10				1.56E+02	
HC12BC1CAA	12BC	10/28/02	IM40MB	POTASSIUM	334	MG/KG	0.5	1	766					
HC12BC1CAA	12BC	10/28/02	IM40MB	VANADIUM	19	MG/KG	0.5	1	28.8				5.48E+01	
HC12BC1CAA	12BC	10/28/02	IM40MB	ZINC	23.9	MG/KG	0.5	1	25.6				2.35E+03	
HC12BC1CAA	12BC	10/28/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BD1AAA	12BD	10/29/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BD1AAA	12BD	10/29/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BD1AAA	12BD	10/29/02	D2216M	MOISTURE	16.2 *	PERCENT	0	0.25						
HC12BD1AAA	12BD	10/29/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BD1AAA	12BD	10/29/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BD1AAA	12BD	10/29/02	IM40MB	ALUMINUM	7250	MG/KG	0	0.25	16019				7.61E+03	
HC12BD1AAA	12BD	10/29/02	IM40MB	ARSENIC	2.6 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BD1AAA	12BD	10/29/02	IM40MB	BARIUM	10.1	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BD1AAA	12BD	10/29/02	IM40MB	BERYLLIUM	0.16	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BD1AAA	12BD	10/29/02	IM40MB	BORON	2.4	MG/KG	0	0.25	9.6				1.56E+03	
HC12BD1AAA	12BD	10/29/02	IM40MB	CALCIUM	94.9	MG/KG	0	0.25	288					
HC12BD1AAA	12BD	10/29/02	IM40MB	CHROMIUM, TOTAL	8.4	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BD1AAA	12BD	10/29/02	IM40MB	COBALT	1.8	MG/KG	0	0.25	4				9.03E+02	
HC12BD1AAA	12BD	10/29/02	IM40MB	COPPER	14.4	MG/KG	0	0.25	11	X			3.13E+02	
HC12BD1AAA	12BD	10/29/02	IM40MB	IRON	8810	MG/KG	0	0.25	17800				2.35E+03	X
HC12BD1AAA	12BD	10/29/02	IM40MB	LEAD	28.2	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12BD1AAA	12BD	10/29/02	IM40MB	MAGNESIUM	661	MG/KG	0	0.25	2010					
HC12BD1AAA	12BD	10/29/02	IM40MB	MANGANESE	35.1	MG/KG	0	0.25	134				1.76E+02	
HC12BD1AAA	12BD	10/29/02	IM40MB	MOLYBDENUM	0.65	MG/KG	0	0.25	1.2				3.91E+01	
HC12BD1AAA	12BD	10/29/02	IM40MB	NICKEL	3.5 J	MG/KG	0	0.25	10				1.56E+02	
HC12BD1AAA	12BD	10/29/02	IM40MB	POTASSIUM	236 J	MG/KG	0	0.25	766					
HC12BD1AAA	12BD	10/29/02	IM40MB	VANADIUM	19	MG/KG	0	0.25	28.8				5.48E+01	

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BD1AAA	12BD	10/29/02	IM40MB	ZINC	12.7	MG/KG	0	0.25	25.6				2.35E+03	
HC12BD1AAA	12BD	10/29/02	SW8270	BENZOIC ACID	210 J	UG/KG	0	0.25					1.00E+08	
HC12BD1BAA	12BD	10/29/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BD1BAA	12BD	10/29/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BD1BAA	12BD	10/29/02	D2216M	MOISTURE	15.7 *	PERCENT	0.25	0.5						
HC12BD1BAA	12BD	10/29/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BD1BAA	12BD	10/29/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BD1BAA	12BD	10/29/02	IM40MB	ALUMINUM	12000	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BD1BAA	12BD	10/29/02	IM40MB	ARSENIC	3.2 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BD1BAA	12BD	10/29/02	IM40MB	BARIUM	11.2	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BD1BAA	12BD	10/29/02	IM40MB	BERYLLIUM	0.21	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BD1BAA	12BD	10/29/02	IM40MB	BORON	2.8	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BD1BAA	12BD	10/29/02	IM40MB	CALCIUM	82.5	MG/KG	0.25	0.5	288					
HC12BD1BAA	12BD	10/29/02	IM40MB	CHROMIUM, TOTAL	12.6	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BD1BAA	12BD	10/29/02	IM40MB	COBALT	2.6	MG/KG	0.25	0.5	4				9.03E+02	
HC12BD1BAA	12BD	10/29/02	IM40MB	COPPER	7.1	MG/KG	0.25	0.5	11				3.13E+02	
HC12BD1BAA	12BD	10/29/02	IM40MB	IRON	11000	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BD1BAA	12BD	10/29/02	IM40MB	LEAD	10.9	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BD1BAA	12BD	10/29/02	IM40MB	MAGNESIUM	999	MG/KG	0.25	0.5	2010					
HC12BD1BAA	12BD	10/29/02	IM40MB	MANGANESE	48.2	MG/KG	0.25	0.5	134				1.76E+02	
HC12BD1BAA	12BD	10/29/02	IM40MB	MOLYBDENUM	0.52	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BD1BAA	12BD	10/29/02	IM40MB	NICKEL	5.2 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BD1BAA	12BD	10/29/02	IM40MB	POTASSIUM	303 J	MG/KG	0.25	0.5	766					
HC12BD1BAA	12BD	10/29/02	IM40MB	SELENIUM	1.7	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BD1BAA	12BD	10/29/02	IM40MB	VANADIUM	18.9	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BD1BAA	12BD	10/29/02	IM40MB	ZINC	15.6	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BD1BAA	12BD	10/29/02	SW8270	BENZOIC ACID	27 J	UG/KG	0.25	0.5					1.00E+08	
HC12BD1BAA	12BD	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BD1CAA	12BD	10/29/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BD1CAA	12BD	10/29/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BD1CAA	12BD	10/29/02	D2216M	MOISTURE	10.6 *	PERCENT	0.5	1						
HC12BD1CAA	12BD	10/29/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BD1CAA	12BD	10/29/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BD1CAA	12BD	10/29/02	IM40MB	ALUMINUM	4220	MG/KG	0.5	1	16019				7.61E+03	
HC12BD1CAA	12BD	10/29/02	IM40MB	ARSENIC	1.4 J	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	
HC12BD1CAA	12BD	10/29/02	IM40MB	BARIUM	5.6	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BD1CAA	12BD	10/29/02	IM40MB	BERYLLIUM	0.12	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BD1CAA	12BD	10/29/02	IM40MB	BORON	1.3 J	MG/KG	0.5	1	9.6				1.56E+03	
HC12BD1CAA	12BD	10/29/02	IM40MB	CALCIUM	48.8 J	MG/KG	0.5	1	288					
HC12BD1CAA	12BD	10/29/02	IM40MB	CHROMIUM, TOTAL	5.4	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BD1CAA	12BD	10/29/02	IM40MB	COBALT	2.1	MG/KG	0.5	1	4				9.03E+02	
HC12BD1CAA	12BD	10/29/02	IM40MB	IRON	4710	MG/KG	0.5	1	17800				2.35E+03	X
HC12BD1CAA	12BD	10/29/02	IM40MB	LEAD	5.4	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BD1CAA	12BD	10/29/02	IM40MB	MAGNESIUM	539	MG/KG	0.5	1	2010					

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BD1CAA	12BD	10/29/02	IM40MB	MANGANESE	52.9	MG/KG	0.5	1	134				1.76E+02	
HC12BD1CAA	12BD	10/29/02	IM40MB	MOLYBDENUM	0.49	MG/KG	0.5	1	1.2				3.91E+01	
HC12BD1CAA	12BD	10/29/02	IM40MB	NICKEL	2.9 J	MG/KG	0.5	1	10				1.56E+02	
HC12BD1CAA	12BD	10/29/02	IM40MB	POTASSIUM	195 J	MG/KG	0.5	1	766					
HC12BD1CAA	12BD	10/29/02	IM40MB	VANADIUM	8.2	MG/KG	0.5	1	28.8				5.48E+01	
HC12BD1CAA	12BD	10/29/02	IM40MB	ZINC	8.9	MG/KG	0.5	1	25.6				2.35E+03	
HC12BD1CAA	12BD	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	17 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BE1AAA	12BE	10/29/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BE1AAA	12BE	10/29/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BE1AAA	12BE	10/29/02	D2216M	MOISTURE	25.3 *	PERCENT	0	0.25						
HC12BE1AAA	12BE	10/29/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BE1AAA	12BE	10/29/02	IM40HG	MERCURY	0.07 J	MG/KG	0	0.25						
HC12BE1AAA	12BE	10/29/02	IM40MB	ALUMINUM	7840	MG/KG	0	0.25	16019				7.61E+03	X
HC12BE1AAA	12BE	10/29/02	IM40MB	ARSENIC	3.4 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BE1AAA	12BE	10/29/02	IM40MB	BARIUM	18.7	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BE1AAA	12BE	10/29/02	IM40MB	BERYLLIUM	0.13	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BE1AAA	12BE	10/29/02	IM40MB	BORON	3.3	MG/KG	0	0.25	9.6				1.56E+03	
HC12BE1AAA	12BE	10/29/02	IM40MB	CALCIUM	192	MG/KG	0	0.25	288					
HC12BE1AAA	12BE	10/29/02	IM40MB	CHROMIUM, TOTAL	8.5	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BE1AAA	12BE	10/29/02	IM40MB	COBALT	1.2	MG/KG	0	0.25	4				9.03E+02	
HC12BE1AAA	12BE	10/29/02	IM40MB	COPPER	41.3	MG/KG	0	0.25	11	X			3.13E+02	
HC12BE1AAA	12BE	10/29/02	IM40MB	IRON	11400	MG/KG	0	0.25	17800				2.35E+03	X
HC12BE1AAA	12BE	10/29/02	IM40MB	LEAD	70.5	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	X
HC12BE1AAA	12BE	10/29/02	IM40MB	MAGNESIUM	461	MG/KG	0	0.25	2010					
HC12BE1AAA	12BE	10/29/02	IM40MB	MANGANESE	29.9	MG/KG	0	0.25	134				1.76E+02	
HC12BE1AAA	12BE	10/29/02	IM40MB	MOLYBDENUM	0.7	MG/KG	0	0.25	1.2				3.91E+01	
HC12BE1AAA	12BE	10/29/02	IM40MB	POTASSIUM	274 J	MG/KG	0	0.25	766					
HC12BE1AAA	12BE	10/29/02	IM40MB	VANADIUM	27.1	MG/KG	0	0.25	28.8				5.48E+01	
HC12BE1AAA	12BE	10/29/02	IM40MB	ZINC	41.9	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12BE1AAA	12BE	10/29/02	SW8270	BENZOIC ACID	310 J	UG/KG	0	0.25					1.00E+08	
HC12BE1AAA	12BE	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BE1BAA	12BE	10/29/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BE1BAA	12BE	10/29/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BE1BAA	12BE	10/29/02	D2216M	MOISTURE	22.9 *	PERCENT	0.25	0.5						
HC12BE1BAA	12BE	10/29/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BE1BAA	12BE	10/29/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BE1BAA	12BE	10/29/02	IM40MB	ALUMINUM	15600	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BE1BAA	12BE	10/29/02	IM40MB	ARSENIC	4 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BE1BAA	12BE	10/29/02	IM40MB	BARIUM	13.3	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BE1BAA	12BE	10/29/02	IM40MB	BERYLLIUM	0.28	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BE1BAA	12BE	10/29/02	IM40MB	BORON	3.4	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BE1BAA	12BE	10/29/02	IM40MB	CALCIUM	92.2	MG/KG	0.25	0.5	288					
HC12BE1BAA	12BE	10/29/02	IM40MB	CHROMIUM, TOTAL	15	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BE1BAA	12BE	10/29/02	IM40MB	COBALT	2.7	MG/KG	0.25	0.5	4				9.03E+02	

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BE1BAA	12BE	10/29/02	IM40MB	COPPER	10.6	MG/KG	0.25	0.5	11				3.13E+02	
HC12BE1BAA	12BE	10/29/02	IM40MB	IRON	15200	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BE1BAA	12BE	10/29/02	IM40MB	LEAD	12	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BE1BAA	12BE	10/29/02	IM40MB	MAGNESIUM	727	MG/KG	0.25	0.5	2010					
HC12BE1BAA	12BE	10/29/02	IM40MB	MANGANESE	35	MG/KG	0.25	0.5	134				1.76E+02	
HC12BE1BAA	12BE	10/29/02	IM40MB	MOLYBDENUM	1	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BE1BAA	12BE	10/29/02	IM40MB	NICKEL	5.8 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BE1BAA	12BE	10/29/02	IM40MB	POTASSIUM	258 J	MG/KG	0.25	0.5	766					
HC12BE1BAA	12BE	10/29/02	IM40MB	SELENIUM	1.5 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BE1BAA	12BE	10/29/02	IM40MB	VANADIUM	25.7	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BE1BAA	12BE	10/29/02	IM40MB	ZINC	59.7	MG/KG	0.25	0.5	25.6	X			2.35E+03	
HC12BE1BAA	12BE	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	27 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BE1CAA	12BE	10/29/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BE1CAA	12BE	10/29/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BE1CAA	12BE	10/29/02	D2216M	MOISTURE	18.1 *	PERCENT	0.5	1						
HC12BE1CAA	12BE	10/29/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BE1CAA	12BE	10/29/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BE1CAA	12BE	10/29/02	IM40MB	ALUMINUM	14500	MG/KG	0.5	1	16019				7.61E+03	X
HC12BE1CAA	12BE	10/29/02	IM40MB	ARSENIC	4.4 J	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BE1CAA	12BE	10/29/02	IM40MB	BARIUM	15.9	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BE1CAA	12BE	10/29/02	IM40MB	BERYLLIUM	0.34	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BE1CAA	12BE	10/29/02	IM40MB	BORON	3.9	MG/KG	0.5	1	9.6				1.56E+03	
HC12BE1CAA	12BE	10/29/02	IM40MB	CALCIUM	109	MG/KG	0.5	1	288					
HC12BE1CAA	12BE	10/29/02	IM40MB	CHROMIUM, TOTAL	16.9	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BE1CAA	12BE	10/29/02	IM40MB	COBALT	4.3	MG/KG	0.5	1	4	X			9.03E+02	
HC12BE1CAA	12BE	10/29/02	IM40MB	IRON	13900	MG/KG	0.5	1	17800				2.35E+03	X
HC12BE1CAA	12BE	10/29/02	IM40MB	LEAD	8.4	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BE1CAA	12BE	10/29/02	IM40MB	MAGNESIUM	1670	MG/KG	0.5	1	2010					
HC12BE1CAA	12BE	10/29/02	IM40MB	MANGANESE	72.8	MG/KG	0.5	1	134				1.76E+02	
HC12BE1CAA	12BE	10/29/02	IM40MB	MOLYBDENUM	0.36 J	MG/KG	0.5	1	1.2				3.91E+01	
HC12BE1CAA	12BE	10/29/02	IM40MB	NICKEL	8.4	MG/KG	0.5	1	10				1.56E+02	
HC12BE1CAA	12BE	10/29/02	IM40MB	POTASSIUM	481 J	MG/KG	0.5	1	766					
HC12BE1CAA	12BE	10/29/02	IM40MB	SELENIUM	0.94 J	MG/KG	0.5	1	1.7				3.91E+01	
HC12BE1CAA	12BE	10/29/02	IM40MB	VANADIUM	22.8	MG/KG	0.5	1	28.8				5.48E+01	
HC12BE1CAA	12BE	10/29/02	IM40MB	ZINC	41.2	MG/KG	0.5	1	25.6	X			2.35E+03	
HC12BE1CAA	12BE	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	30 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BF1AAA	12BF	10/29/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BF1AAA	12BF	10/29/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BF1AAA	12BF	10/29/02	D2216M	MOISTURE	16.6 *	PERCENT	0	0.25						
HC12BF1AAA	12BF	10/29/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BF1AAA	12BF	10/29/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BF1AAA	12BF	10/29/02	IM40MB	ALUMINUM	12600	MG/KG	0	0.25	16019				7.61E+03	X
HC12BF1AAA	12BF	10/29/02	IM40MB	ANTIMONY	1.9	MG/KG	0	0.25	1.9				3.13E+00	
HC12BF1AAA	12BF	10/29/02	IM40MB	ARSENIC	3.8 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X

Table 1
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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BF1AAA	12BF	10/29/02	IM40MB	BARIIUM	13	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BF1AAA	12BF	10/29/02	IM40MB	BERYLLIUM	0.19	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BF1AAA	12BF	10/29/02	IM40MB	BORON	3.2	MG/KG	0	0.25	9.6				1.56E+03	
HC12BF1AAA	12BF	10/29/02	IM40MB	CALCIUM	106	MG/KG	0	0.25	288					
HC12BF1AAA	12BF	10/29/02	IM40MB	CHROMIUM, TOTAL	12.8	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BF1AAA	12BF	10/29/02	IM40MB	COBALT	2.2	MG/KG	0	0.25	4				9.03E+02	
HC12BF1AAA	12BF	10/29/02	IM40MB	COPPER	31.5	MG/KG	0	0.25	11	X			3.13E+02	
HC12BF1AAA	12BF	10/29/02	IM40MB	IRON	13500	MG/KG	0	0.25	17800				2.35E+03	X
HC12BF1AAA	12BF	10/29/02	IM40MB	LEAD	534	MG/KG	0	0.25	19	X	3.00E+02	X	4.00E+01	X
HC12BF1AAA	12BF	10/29/02	IM40MB	MAGNESIUM	855	MG/KG	0	0.25	2010					
HC12BF1AAA	12BF	10/29/02	IM40MB	MANGANESE	47.9	MG/KG	0	0.25	134				1.76E+02	
HC12BF1AAA	12BF	10/29/02	IM40MB	MOLYBDENUM	2	MG/KG	0	0.25	1.2	X			3.91E+01	
HC12BF1AAA	12BF	10/29/02	IM40MB	NICKEL	4.5 J	MG/KG	0	0.25	10				1.56E+02	
HC12BF1AAA	12BF	10/29/02	IM40MB	POTASSIUM	300 J	MG/KG	0	0.25	766					
HC12BF1AAA	12BF	10/29/02	IM40MB	VANADIUM	22.6	MG/KG	0	0.25	28.8				5.48E+01	
HC12BF1AAA	12BF	10/29/02	IM40MB	ZINC	34.2	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12BF1AAA	12BF	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BF1BAA	12BF	10/29/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BF1BAA	12BF	10/29/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BF1BAA	12BF	10/29/02	D2216M	MOISTURE	16.3 *	PERCENT	0.25	0.5						
HC12BF1BAA	12BF	10/29/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BF1BAA	12BF	10/29/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BF1BAA	12BF	10/29/02	IM40MB	ALUMINUM	9560	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BF1BAA	12BF	10/29/02	IM40MB	ANTIMONY	3.1	MG/KG	0.25	0.5	1.9	X			3.13E+00	
HC12BF1BAA	12BF	10/29/02	IM40MB	ARSENIC	3.8 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BF1BAA	12BF	10/29/02	IM40MB	BARIIUM	15.2	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BF1BAA	12BF	10/29/02	IM40MB	BERYLLIUM	0.16	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BF1BAA	12BF	10/29/02	IM40MB	BORON	2.9	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BF1BAA	12BF	10/29/02	IM40MB	CALCIUM	118	MG/KG	0.25	0.5	288					
HC12BF1BAA	12BF	10/29/02	IM40MB	CHROMIUM, TOTAL	10.5	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BF1BAA	12BF	10/29/02	IM40MB	COBALT	1.8	MG/KG	0.25	0.5	4				9.03E+02	
HC12BF1BAA	12BF	10/29/02	IM40MB	COPPER	60.5	MG/KG	0.25	0.5	11	X			3.13E+02	
HC12BF1BAA	12BF	10/29/02	IM40MB	IRON	10900	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BF1BAA	12BF	10/29/02	IM40MB	LEAD	319	MG/KG	0.25	0.5	19	X	3.00E+02	X	4.00E+01	X
HC12BF1BAA	12BF	10/29/02	IM40MB	MAGNESIUM	710	MG/KG	0.25	0.5	2010					
HC12BF1BAA	12BF	10/29/02	IM40MB	MANGANESE	46.7	MG/KG	0.25	0.5	134				1.76E+02	
HC12BF1BAA	12BF	10/29/02	IM40MB	MOLYBDENUM	0.84	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BF1BAA	12BF	10/29/02	IM40MB	NICKEL	3.9 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BF1BAA	12BF	10/29/02	IM40MB	POTASSIUM	322 J	MG/KG	0.25	0.5	766					
HC12BF1BAA	12BF	10/29/02	IM40MB	SELENIUM	1 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BF1BAA	12BF	10/29/02	IM40MB	VANADIUM	22.6	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BF1BAA	12BF	10/29/02	IM40MB	ZINC	32.2	MG/KG	0.25	0.5	25.6	X			2.35E+03	
HC12BF1BAA	12BF	10/29/02	SW8270	BENZOIC ACID	41 J	UG/KG	0.25	0.5					1.00E+08	
HC12BF1BAA	12BF	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	26 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BF1CAA	12BF	10/29/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BF1CAA	12BF	10/29/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BF1CAA	12BF	10/29/02	D2216M	MOISTURE	15.3 *	PERCENT	0.5	1						
HC12BF1CAA	12BF	10/29/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BF1CAA	12BF	10/29/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BF1CAA	12BF	10/29/02	IM40MB	ALUMINUM	12900	MG/KG	0.5	1	16019				7.61E+03	X
HC12BF1CAA	12BF	10/29/02	IM40MB	ARSENIC	4 J	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BF1CAA	12BF	10/29/02	IM40MB	BARIUM	13.1	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BF1CAA	12BF	10/29/02	IM40MB	BERYLLIUM	0.2	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BF1CAA	12BF	10/29/02	IM40MB	BORON	3.3	MG/KG	0.5	1	9.6				1.56E+03	
HC12BF1CAA	12BF	10/29/02	IM40MB	CALCIUM	99.9	MG/KG	0.5	1	288					
HC12BF1CAA	12BF	10/29/02	IM40MB	CHROMIUM, TOTAL	13.7	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BF1CAA	12BF	10/29/02	IM40MB	COBALT	2.4	MG/KG	0.5	1	4				9.03E+02	
HC12BF1CAA	12BF	10/29/02	IM40MB	COPPER	60.8	MG/KG	0.5	1	11	X			3.13E+02	
HC12BF1CAA	12BF	10/29/02	IM40MB	IRON	13500	MG/KG	0.5	1	17800				2.35E+03	X
HC12BF1CAA	12BF	10/29/02	IM40MB	LEAD	168	MG/KG	0.5	1	19	X	3.00E+02		4.00E+01	X
HC12BF1CAA	12BF	10/29/02	IM40MB	MAGNESIUM	899	MG/KG	0.5	1	2010					
HC12BF1CAA	12BF	10/29/02	IM40MB	MANGANESE	57	MG/KG	0.5	1	134				1.76E+02	
HC12BF1CAA	12BF	10/29/02	IM40MB	MOLYBDENUM	1.1	MG/KG	0.5	1	1.2				3.91E+01	
HC12BF1CAA	12BF	10/29/02	IM40MB	NICKEL	4.9 J	MG/KG	0.5	1	10				1.56E+02	
HC12BF1CAA	12BF	10/29/02	IM40MB	POTASSIUM	339 J	MG/KG	0.5	1	766					
HC12BF1CAA	12BF	10/29/02	IM40MB	VANADIUM	22.7	MG/KG	0.5	1	28.8				5.48E+01	
HC12BF1CAA	12BF	10/29/02	IM40MB	ZINC	35	MG/KG	0.5	1	25.6	X			2.35E+03	
HC12BF1CAA	12BF	10/29/02	SW8270	{ND on all 78} analytes			0.5	1						
HC12BG1AAA	12BG	10/29/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BG1AAA	12BG	10/29/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BG1AAA	12BG	10/29/02	D2216M	MOISTURE	21.9 *	PERCENT	0	0.25						
HC12BG1AAA	12BG	10/29/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BG1AAA	12BG	10/29/02	IM40HG	MERCURY	0.08 J	MG/KG	0	0.25						
HC12BG1AAA	12BG	10/29/02	IM40MB	ALUMINUM	13800	MG/KG	0	0.25	16019				7.61E+03	X
HC12BG1AAA	12BG	10/29/02	IM40MB	ARSENIC	5 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BG1AAA	12BG	10/29/02	IM40MB	BARIUM	23	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BG1AAA	12BG	10/29/02	IM40MB	BERYLLIUM	0.26	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BG1AAA	12BG	10/29/02	IM40MB	BORON	3.9	MG/KG	0	0.25	9.6				1.56E+03	
HC12BG1AAA	12BG	10/29/02	IM40MB	CALCIUM	447	MG/KG	0	0.25	288	X				
HC12BG1AAA	12BG	10/29/02	IM40MB	CHROMIUM, TOTAL	15.4	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BG1AAA	12BG	10/29/02	IM40MB	COBALT	2.6	MG/KG	0	0.25	4				9.03E+02	
HC12BG1AAA	12BG	10/29/02	IM40MB	COPPER	40.2	MG/KG	0	0.25	11	X			3.13E+02	
HC12BG1AAA	12BG	10/29/02	IM40MB	IRON	15200	MG/KG	0	0.25	17800				2.35E+03	X
HC12BG1AAA	12BG	10/29/02	IM40MB	LEAD	179	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	X
HC12BG1AAA	12BG	10/29/02	IM40MB	MAGNESIUM	1090	MG/KG	0	0.25	2010					
HC12BG1AAA	12BG	10/29/02	IM40MB	MANGANESE	55.9	MG/KG	0	0.25	134				1.76E+02	
HC12BG1AAA	12BG	10/29/02	IM40MB	MOLYBDENUM	0.95	MG/KG	0	0.25	1.2				3.91E+01	
HC12BG1AAA	12BG	10/29/02	IM40MB	NICKEL	5.9 J	MG/KG	0	0.25	10				1.56E+02	

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HC12BG1AAA	12BG	10/29/02	IM40MB	POTASSIUM	459 J	MG/KG	0	0.25	766					
HC12BG1AAA	12BG	10/29/02	IM40MB	SELENIUM	1.1 J	MG/KG	0	0.25	1.7				3.91E+01	
HC12BG1AAA	12BG	10/29/02	IM40MB	VANADIUM	32.2	MG/KG	0	0.25	28.8	X			5.48E+01	
HC12BG1AAA	12BG	10/29/02	IM40MB	ZINC	39.6	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12BG1AAA	12BG	10/29/02	SW8270	BENZOIC ACID	220 J	UG/KG	0	0.25					1.00E+08	
HC12BG1AAA	12BG	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	21 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BG1AAA	12BG	10/29/02	SW8270	PYRENE	21 J	UG/KG	0	0.25	460				2.32E+05	
HC12BG1BAA	12BG	10/29/02	8321D	{ND on all 4} analytes				0.25	0.5					
HC12BG1BAA	12BG	10/29/02	8330LN	{ND on all 19} analytes				0.25	0.5					
HC12BG1BAA	12BG	10/29/02	D2216M	MOISTURE	18.4 *	PERCENT		0.25	0.5					
HC12BG1BAA	12BG	10/29/02	E314.0	{ND on all 1} analytes				0.25	0.5					
HC12BG1BAA	12BG	10/29/02	IM40HG	MERCURY	0.06 J	MG/KG	0.25	0.5						
HC12BG1BAA	12BG	10/29/02	IM40MB	ALUMINUM	16200	MG/KG	0.25	0.5	16019	X			7.61E+03	X
HC12BG1BAA	12BG	10/29/02	IM40MB	ARSENIC	4.3 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BG1BAA	12BG	10/29/02	IM40MB	BARIUM	16.1	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BG1BAA	12BG	10/29/02	IM40MB	BERYLLIUM	0.26	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BG1BAA	12BG	10/29/02	IM40MB	BORON	3.3	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BG1BAA	12BG	10/29/02	IM40MB	CALCIUM	106	MG/KG	0.25	0.5	288					
HC12BG1BAA	12BG	10/29/02	IM40MB	CHROMIUM, TOTAL	17.3	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BG1BAA	12BG	10/29/02	IM40MB	COBALT	3	MG/KG	0.25	0.5	4				9.03E+02	
HC12BG1BAA	12BG	10/29/02	IM40MB	COPPER	7	MG/KG	0.25	0.5	11				3.13E+02	
HC12BG1BAA	12BG	10/29/02	IM40MB	IRON	14700	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BG1BAA	12BG	10/29/02	IM40MB	LEAD	32.1	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	
HC12BG1BAA	12BG	10/29/02	IM40MB	MAGNESIUM	1200	MG/KG	0.25	0.5	2010					
HC12BG1BAA	12BG	10/29/02	IM40MB	MANGANESE	62.3	MG/KG	0.25	0.5	134				1.76E+02	
HC12BG1BAA	12BG	10/29/02	IM40MB	MOLYBDENUM	0.77	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BG1BAA	12BG	10/29/02	IM40MB	NICKEL	6.2 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BG1BAA	12BG	10/29/02	IM40MB	POTASSIUM	418 J	MG/KG	0.25	0.5	766					
HC12BG1BAA	12BG	10/29/02	IM40MB	SELENIUM	1.3	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BG1BAA	12BG	10/29/02	IM40MB	VANADIUM	24.9	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BG1BAA	12BG	10/29/02	IM40MB	ZINC	34.4	MG/KG	0.25	0.5	25.6	X			2.35E+03	
HC12BG1BAA	12BG	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	28 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BG1BAD	12BG	10/29/02	8321D	{ND on all 4} analytes				0.25	0.5					
HC12BG1BAD	12BG	10/29/02	8330LN	{ND on all 19} analytes				0.25	0.5					
HC12BG1BAD	12BG	10/29/02	D2216M	MOISTURE	18.8 *	PERCENT		0.25	0.5					
HC12BG1BAD	12BG	10/29/02	E314.0	{ND on all 1} analytes				0.25	0.5					
HC12BG1BAD	12BG	10/29/02	IM40HG	{ND on all 1} analytes				0.25	0.5					
HC12BG1BAD	12BG	10/29/02	IM40MB	ALUMINUM	15900	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BG1BAD	12BG	10/29/02	IM40MB	ARSENIC	4.1 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BG1BAD	12BG	10/29/02	IM40MB	BARIUM	16.7	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BG1BAD	12BG	10/29/02	IM40MB	BERYLLIUM	0.26	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BG1BAD	12BG	10/29/02	IM40MB	BORON	3.9	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BG1BAD	12BG	10/29/02	IM40MB	CALCIUM	117	MG/KG	0.25	0.5	288					
HC12BG1BAD	12BG	10/29/02	IM40MB	CHROMIUM, TOTAL	17.1	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BG1BAD	12BG	10/29/02	IM40MB	COBALT	3	MG/KG	0.25	0.5	4				9.03E+02	
HC12BG1BAD	12BG	10/29/02	IM40MB	COPPER	8	MG/KG	0.25	0.5	11				3.13E+02	
HC12BG1BAD	12BG	10/29/02	IM40MB	IRON	14700	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BG1BAD	12BG	10/29/02	IM40MB	LEAD	29.6	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	
HC12BG1BAD	12BG	10/29/02	IM40MB	MAGNESIUM	1220	MG/KG	0.25	0.5	2010					
HC12BG1BAD	12BG	10/29/02	IM40MB	MANGANESE	59.7	MG/KG	0.25	0.5	134				1.76E+02	
HC12BG1BAD	12BG	10/29/02	IM40MB	MOLYBDENUM	0.74	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BG1BAD	12BG	10/29/02	IM40MB	NICKEL	6.2 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BG1BAD	12BG	10/29/02	IM40MB	POTASSIUM	387 J	MG/KG	0.25	0.5	766					
HC12BG1BAD	12BG	10/29/02	IM40MB	VANADIUM	24.7	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BG1BAD	12BG	10/29/02	IM40MB	ZINC	33.9	MG/KG	0.25	0.5	25.6	X			2.35E+03	
HC12BG1BAD	12BG	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	55 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BG1CAA	12BG	10/29/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BG1CAA	12BG	10/29/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BG1CAA	12BG	10/29/02	D2216M	MOISTURE	15.7 *	PERCENT	0.5	1						
HC12BG1CAA	12BG	10/29/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BG1CAA	12BG	10/29/02	IM40HG	MERCURY	0.08 J	MG/KG	0.5	1						
HC12BG1CAA	12BG	10/29/02	IM40MB	ALUMINIUM	16400	MG/KG	0.5	1	16019	X			7.61E+03	X
HC12BG1CAA	12BG	10/29/02	IM40MB	ARSENIC	5.3	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BG1CAA	12BG	10/29/02	IM40MB	BARIUM	18.9	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BG1CAA	12BG	10/29/02	IM40MB	BERYLLIUM	0.28	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BG1CAA	12BG	10/29/02	IM40MB	BORON	4.2	MG/KG	0.5	1	9.6				1.56E+03	
HC12BG1CAA	12BG	10/29/02	IM40MB	CALCIUM	113	MG/KG	0.5	1	288					
HC12BG1CAA	12BG	10/29/02	IM40MB	CHROMIUM, TOTAL	18.3	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BG1CAA	12BG	10/29/02	IM40MB	COBALT	3.4	MG/KG	0.5	1	4				9.03E+02	
HC12BG1CAA	12BG	10/29/02	IM40MB	COPPER	9.2	MG/KG	0.5	1	11				3.13E+02	
HC12BG1CAA	12BG	10/29/02	IM40MB	IRON	15700	MG/KG	0.5	1	17800				2.35E+03	X
HC12BG1CAA	12BG	10/29/02	IM40MB	LEAD	48.6	MG/KG	0.5	1	19	X	3.00E+02		4.00E+01	X
HC12BG1CAA	12BG	10/29/02	IM40MB	MAGNESIUM	1430	MG/KG	0.5	1	2010					
HC12BG1CAA	12BG	10/29/02	IM40MB	MANGANESE	66.7	MG/KG	0.5	1	134				1.76E+02	
HC12BG1CAA	12BG	10/29/02	IM40MB	MOLYBDENUM	0.67	MG/KG	0.5	1	1.2				3.91E+01	
HC12BG1CAA	12BG	10/29/02	IM40MB	NICKEL	7	MG/KG	0.5	1	10				1.56E+02	
HC12BG1CAA	12BG	10/29/02	IM40MB	POTASSIUM	493 J	MG/KG	0.5	1	766					
HC12BG1CAA	12BG	10/29/02	IM40MB	VANADIUM	27	MG/KG	0.5	1	28.8				5.48E+01	
HC12BG1CAA	12BG	10/29/02	IM40MB	ZINC	33.3	MG/KG	0.5	1	25.6	X			2.35E+03	
HC12BG1CAA	12BG	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	60 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BH1AAA	12BH	10/29/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BH1AAA	12BH	10/29/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BH1AAA	12BH	10/29/02	D2216M	MOISTURE	23 *	PERCENT	0	0.25						
HC12BH1AAA	12BH	10/29/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BH1AAA	12BH	10/29/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BH1AAA	12BH	10/29/02	IM40MB	ALUMINIUM	14000	MG/KG	0	0.25	16019				7.61E+03	X
HC12BH1AAA	12BH	10/29/02	IM40MB	ARSENIC	5.4	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BH1AAA	12BH	10/29/02	IM40MB	BARIUM	19.4	MG/KG	0	0.25	24		1.00E+03		5.37E+02	

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BH1AAA	12BH	10/29/02	IM40MB	BERYLLIUM	0.36	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BH1AAA	12BH	10/29/02	IM40MB	BORON	4.7	MG/KG	0	0.25	9.6				1.56E+03	
HC12BH1AAA	12BH	10/29/02	IM40MB	CALCIUM	235	MG/KG	0	0.25	288					
HC12BH1AAA	12BH	10/29/02	IM40MB	CHROMIUM, TOTAL	17.1	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BH1AAA	12BH	10/29/02	IM40MB	COBALT	4.5	MG/KG	0	0.25	4	X			9.03E+02	
HC12BH1AAA	12BH	10/29/02	IM40MB	COPPER	11.8	MG/KG	0	0.25	11	X			3.13E+02	
HC12BH1AAA	12BH	10/29/02	IM40MB	IRON	16100	MG/KG	0	0.25	17800				2.35E+03	X
HC12BH1AAA	12BH	10/29/02	IM40MB	LEAD	23.6 J	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12BH1AAA	12BH	10/29/02	IM40MB	MAGNESIUM	1590	MG/KG	0	0.25	2010					
HC12BH1AAA	12BH	10/29/02	IM40MB	MANGANESE	136	MG/KG	0	0.25	134	X			1.76E+02	
HC12BH1AAA	12BH	10/29/02	IM40MB	NICKEL	7.9	MG/KG	0	0.25	10				1.56E+02	
HC12BH1AAA	12BH	10/29/02	IM40MB	POTASSIUM	750	MG/KG	0	0.25	766					
HC12BH1AAA	12BH	10/29/02	IM40MB	SELENIUM	1.4 J	MG/KG	0	0.25	1.7				3.91E+01	
HC12BH1AAA	12BH	10/29/02	IM40MB	VANADIUM	28.6	MG/KG	0	0.25	28.8				5.48E+01	
HC12BH1AAA	12BH	10/29/02	IM40MB	ZINC	25.3	MG/KG	0	0.25	25.6				2.35E+03	
HC12BH1AAA	12BH	10/29/02	SW8270	BENZOIC ACID	92 J	UG/KG	0	0.25					1.00E+08	
HC12BH1BAA	12BH	10/29/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BH1BAA	12BH	10/29/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BH1BAA	12BH	10/29/02	D2216M	MOISTURE	23.5 *	PERCENT	0.25	0.5						
HC12BH1BAA	12BH	10/29/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BH1BAA	12BH	10/29/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BH1BAA	12BH	10/29/02	IM40MB	ALUMINUM	15300	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BH1BAA	12BH	10/29/02	IM40MB	ARSENIC	5.7	MG/KG	0.25	0.5	5.5	X	2.00E+01		2.16E+00	X
HC12BH1BAA	12BH	10/29/02	IM40MB	BARIUM	19.9	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BH1BAA	12BH	10/29/02	IM40MB	BERYLLIUM	0.32	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BH1BAA	12BH	10/29/02	IM40MB	BORON	4.9	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BH1BAA	12BH	10/29/02	IM40MB	CALCIUM	213	MG/KG	0.25	0.5	288					
HC12BH1BAA	12BH	10/29/02	IM40MB	CHROMIUM, TOTAL	15.6	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BH1BAA	12BH	10/29/02	IM40MB	COBALT	2.9	MG/KG	0.25	0.5	4				9.03E+02	
HC12BH1BAA	12BH	10/29/02	IM40MB	COPPER	9.2	MG/KG	0.25	0.5	11				3.13E+02	
HC12BH1BAA	12BH	10/29/02	IM40MB	IRON	15000	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BH1BAA	12BH	10/29/02	IM40MB	LEAD	29.6 J	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	
HC12BH1BAA	12BH	10/29/02	IM40MB	MAGNESIUM	1120	MG/KG	0.25	0.5	2010					
HC12BH1BAA	12BH	10/29/02	IM40MB	MANGANESE	58.2	MG/KG	0.25	0.5	134				1.76E+02	
HC12BH1BAA	12BH	10/29/02	IM40MB	NICKEL	6.5 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BH1BAA	12BH	10/29/02	IM40MB	POTASSIUM	571	MG/KG	0.25	0.5	766					
HC12BH1BAA	12BH	10/29/02	IM40MB	VANADIUM	28.1	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BH1BAA	12BH	10/29/02	IM40MB	ZINC	21.5	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BH1BAA	12BH	10/29/02	SW8270	BENZOIC ACID	85 J	UG/KG	0.25	0.5					1.00E+08	
HC12BH1BAA	12BH	10/29/02	SW8270	FLUORANTHENE	22 J	UG/KG	0.25	0.5	460		1.00E+06		2.29E+05	
HC12BH1BAA	12BH	10/29/02	SW8270	PYRENE	24 J	UG/KG	0.25	0.5	460				2.32E+05	
HC12BH1CAA	12BH	10/29/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BH1CAA	12BH	10/29/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BH1CAA	12BH	10/29/02	D2216M	MOISTURE	20.9 *	PERCENT	0.5	1						

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BH1CAA	12BH	10/29/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BH1CAA	12BH	10/29/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BH1CAA	12BH	10/29/02	IM40MB	ALUMINUM	12400	MG/KG	0.5	1	16019				7.61E+03	X
HC12BH1CAA	12BH	10/29/02	IM40MB	ARSENIC	5	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BH1CAA	12BH	10/29/02	IM40MB	BARIUM	18.3	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BH1CAA	12BH	10/29/02	IM40MB	BERYLLIUM	0.27	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BH1CAA	12BH	10/29/02	IM40MB	BORON	4.1	MG/KG	0.5	1	9.6				1.56E+03	
HC12BH1CAA	12BH	10/29/02	IM40MB	CALCIUM	196	MG/KG	0.5	1	288					
HC12BH1CAA	12BH	10/29/02	IM40MB	CHROMIUM, TOTAL	13.2	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BH1CAA	12BH	10/29/02	IM40MB	COBALT	2.3	MG/KG	0.5	1	4				9.03E+02	
HC12BH1CAA	12BH	10/29/02	IM40MB	COPPER	11.2	MG/KG	0.5	1	11	X			3.13E+02	
HC12BH1CAA	12BH	10/29/02	IM40MB	IRON	13000	MG/KG	0.5	1	17800				2.35E+03	X
HC12BH1CAA	12BH	10/29/02	IM40MB	LEAD	30.6 J	MG/KG	0.5	1	19	X	3.00E+02		4.00E+01	
HC12BH1CAA	12BH	10/29/02	IM40MB	MAGNESIUM	981	MG/KG	0.5	1	2010					
HC12BH1CAA	12BH	10/29/02	IM40MB	MANGANESE	48.5	MG/KG	0.5	1	134				1.76E+02	
HC12BH1CAA	12BH	10/29/02	IM40MB	NICKEL	5.3 J	MG/KG	0.5	1	10				1.56E+02	
HC12BH1CAA	12BH	10/29/02	IM40MB	POTASSIUM	512	MG/KG	0.5	1	766					
HC12BH1CAA	12BH	10/29/02	IM40MB	VANADIUM	25.9	MG/KG	0.5	1	28.8				5.48E+01	
HC12BH1CAA	12BH	10/29/02	IM40MB	ZINC	24.7	MG/KG	0.5	1	25.6				2.35E+03	
HC12BH1CAA	12BH	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BI1AAA	12BI	10/29/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BI1AAA	12BI	10/29/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BI1AAA	12BI	10/29/02	D2216M	MOISTURE	19.7 *	PERCENT	0	0.25						
HC12BI1AAA	12BI	10/29/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BI1AAA	12BI	10/29/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BI1AAA	12BI	10/29/02	IM40MB	ALUMINUM	7640	MG/KG	0	0.25	16019				7.61E+03	
HC12BI1AAA	12BI	10/29/02	IM40MB	ARSENIC	3.4	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BI1AAA	12BI	10/29/02	IM40MB	BARIUM	23.8	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BI1AAA	12BI	10/29/02	IM40MB	BERYLLIUM	0.2	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BI1AAA	12BI	10/29/02	IM40MB	BORON	3.3	MG/KG	0	0.25	9.6				1.56E+03	
HC12BI1AAA	12BI	10/29/02	IM40MB	CALCIUM	191	MG/KG	0	0.25	288					
HC12BI1AAA	12BI	10/29/02	IM40MB	CHROMIUM, TOTAL	8.6	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BI1AAA	12BI	10/29/02	IM40MB	COBALT	1.6	MG/KG	0	0.25	4				9.03E+02	
HC12BI1AAA	12BI	10/29/02	IM40MB	COPPER	8.2	MG/KG	0	0.25	11				3.13E+02	
HC12BI1AAA	12BI	10/29/02	IM40MB	IRON	10200	MG/KG	0	0.25	17800				2.35E+03	X
HC12BI1AAA	12BI	10/29/02	IM40MB	LEAD	17.6 J	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BI1AAA	12BI	10/29/02	IM40MB	MAGNESIUM	582	MG/KG	0	0.25	2010					
HC12BI1AAA	12BI	10/29/02	IM40MB	MANGANESE	44.9	MG/KG	0	0.25	134				1.76E+02	
HC12BI1AAA	12BI	10/29/02	IM40MB	NICKEL	4.1 J	MG/KG	0	0.25	10				1.56E+02	
HC12BI1AAA	12BI	10/29/02	IM40MB	POTASSIUM	380	MG/KG	0	0.25	766					
HC12BI1AAA	12BI	10/29/02	IM40MB	VANADIUM	20.1	MG/KG	0	0.25	28.8				5.48E+01	
HC12BI1AAA	12BI	10/29/02	IM40MB	ZINC	28.4	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12BI1AAA	12BI	10/29/02	SW8270	BENZOIC ACID	91 J	UG/KG	0	0.25					1.00E+08	
HC12BI1AAA	12BI	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19 J	UG/KG	0	0.25			2.00E+05		3.47E+04	

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BI1AAA	12BI	10/29/02	SW8270	PYRENE	21 J	UG/KG	0	0.25	460				2.32E+05	
HC12BI1BAA	12BI	10/29/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BI1BAA	12BI	10/29/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BI1BAA	12BI	10/29/02	D2216M	MOISTURE	19.3 *	PERCENT	0.25	0.5						
HC12BI1BAA	12BI	10/29/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BI1BAA	12BI	10/29/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BI1BAA	12BI	10/29/02	IM40MB	ALUMINUM	5080	MG/KG	0.25	0.5	16019				7.61E+03	
HC12BI1BAA	12BI	10/29/02	IM40MB	ARSENIC	3	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BI1BAA	12BI	10/29/02	IM40MB	BARIUM	18	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BI1BAA	12BI	10/29/02	IM40MB	BERYLLIUM	0.13	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BI1BAA	12BI	10/29/02	IM40MB	BORON	2.8	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BI1BAA	12BI	10/29/02	IM40MB	CALCIUM	190	MG/KG	0.25	0.5	288					
HC12BI1BAA	12BI	10/29/02	IM40MB	CHROMIUM, TOTAL	5.7	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BI1BAA	12BI	10/29/02	IM40MB	COBALT	0.86 J	MG/KG	0.25	0.5	4				9.03E+02	
HC12BI1BAA	12BI	10/29/02	IM40MB	COPPER	7.5	MG/KG	0.25	0.5	11				3.13E+02	
HC12BI1BAA	12BI	10/29/02	IM40MB	IRON	8280	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BI1BAA	12BI	10/29/02	IM40MB	LEAD	8.1 J	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BI1BAA	12BI	10/29/02	IM40MB	MAGNESIUM	274	MG/KG	0.25	0.5	2010					
HC12BI1BAA	12BI	10/29/02	IM40MB	MANGANESE	22.9	MG/KG	0.25	0.5	134				1.76E+02	
HC12BI1BAA	12BI	10/29/02	IM40MB	POTASSIUM	302	MG/KG	0.25	0.5	766					
HC12BI1BAA	12BI	10/29/02	IM40MB	VANADIUM	16.9	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BI1BAA	12BI	10/29/02	IM40MB	ZINC	23.4	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BI1BAA	12BI	10/29/02	SW8270	{ND on all 78} analytes			0.25	0.5						
HC12BI1CAA	12BI	10/29/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BI1CAA	12BI	10/29/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BI1CAA	12BI	10/29/02	D2216M	MOISTURE	21.3 *	PERCENT	0.5	1						
HC12BI1CAA	12BI	10/29/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BI1CAA	12BI	10/29/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BI1CAA	12BI	10/29/02	IM40MB	ALUMINUM	8320	MG/KG	0.5	1	16019				7.61E+03	X
HC12BI1CAA	12BI	10/29/02	IM40MB	ARSENIC	3.3	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BI1CAA	12BI	10/29/02	IM40MB	BARIUM	16.7	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BI1CAA	12BI	10/29/02	IM40MB	BERYLLIUM	0.23	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BI1CAA	12BI	10/29/02	IM40MB	BORON	3	MG/KG	0.5	1	9.6				1.56E+03	
HC12BI1CAA	12BI	10/29/02	IM40MB	CALCIUM	131	MG/KG	0.5	1	288					
HC12BI1CAA	12BI	10/29/02	IM40MB	CHROMIUM, TOTAL	8.4	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BI1CAA	12BI	10/29/02	IM40MB	COBALT	1.3	MG/KG	0.5	1	4				9.03E+02	
HC12BI1CAA	12BI	10/29/02	IM40MB	COPPER	5	MG/KG	0.5	1	11				3.13E+02	
HC12BI1CAA	12BI	10/29/02	IM40MB	IRON	11700	MG/KG	0.5	1	17800				2.35E+03	X
HC12BI1CAA	12BI	10/29/02	IM40MB	LEAD	8.6 J	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BI1CAA	12BI	10/29/02	IM40MB	MAGNESIUM	482	MG/KG	0.5	1	2010					
HC12BI1CAA	12BI	10/29/02	IM40MB	MANGANESE	30.4	MG/KG	0.5	1	134				1.76E+02	
HC12BI1CAA	12BI	10/29/02	IM40MB	POTASSIUM	339	MG/KG	0.5	1	766					
HC12BI1CAA	12BI	10/29/02	IM40MB	VANADIUM	19.5	MG/KG	0.5	1	28.8				5.48E+01	
HC12BI1CAA	12BI	10/29/02	IM40MB	ZINC	21	MG/KG	0.5	1	25.6				2.35E+03	

Table 1
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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BJ1CAA	12BI	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BJ1AAA	12BJ	10/30/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BJ1AAA	12BJ	10/30/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BJ1AAA	12BJ	10/30/02	D2216M	MOISTURE	19.7 *	PERCENT	0	0.25						
HC12BJ1AAA	12BJ	10/30/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BJ1AAA	12BJ	10/30/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BJ1AAA	12BJ	10/30/02	IM40MB	ALUMINUM	12400	MG/KG	0	0.25	16019				7.61E+03	X
HC12BJ1AAA	12BJ	10/30/02	IM40MB	ARSENIC	4.3	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BJ1AAA	12BJ	10/30/02	IM40MB	BARIUM	17.6	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	BERYLLIUM	0.22	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	BORON	3.6	MG/KG	0	0.25	9.6				1.56E+03	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	CALCIUM	181	MG/KG	0	0.25	288					
HC12BJ1AAA	12BJ	10/30/02	IM40MB	CHROMIUM, TOTAL	13.6	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	COBALT	2.7	MG/KG	0	0.25	4				9.03E+02	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	COPPER	11.3	MG/KG	0	0.25	11	X			3.13E+02	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	IRON	12300	MG/KG	0	0.25	17800				2.35E+03	X
HC12BJ1AAA	12BJ	10/30/02	IM40MB	LEAD	16.3	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	MAGNESIUM	1080	MG/KG	0	0.25	2010					
HC12BJ1AAA	12BJ	10/30/02	IM40MB	MANGANESE	51.9	MG/KG	0	0.25	134				1.76E+02	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	MOLYBDENUM	0.71	MG/KG	0	0.25	1.2				3.91E+01	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	NICKEL	5.9 J	MG/KG	0	0.25	10				1.56E+02	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	POTASSIUM	529	MG/KG	0	0.25	766					
HC12BJ1AAA	12BJ	10/30/02	IM40MB	VANADIUM	23.2	MG/KG	0	0.25	28.8				5.48E+01	
HC12BJ1AAA	12BJ	10/30/02	IM40MB	ZINC	21.5	MG/KG	0	0.25	25.6				2.35E+03	
HC12BJ1AAA	12BJ	10/30/02	SW8270	{ND on all 78} analytes			0	0.25						
HC12BJ1BAA	12BJ	10/30/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BJ1BAA	12BJ	10/30/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BJ1BAA	12BJ	10/30/02	D2216M	MOISTURE	18 *	PERCENT	0.25	0.5						
HC12BJ1BAA	12BJ	10/30/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BJ1BAA	12BJ	10/30/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BJ1BAA	12BJ	10/30/02	IM40MB	ALUMINUM	11700	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BJ1BAA	12BJ	10/30/02	IM40MB	ARSENIC	4.7	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BJ1BAA	12BJ	10/30/02	IM40MB	BARIUM	16.6	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	BERYLLIUM	0.24	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	BORON	3.3	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	CALCIUM	152	MG/KG	0.25	0.5	288					
HC12BJ1BAA	12BJ	10/30/02	IM40MB	CHROMIUM, TOTAL	12.9	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	COBALT	2.4	MG/KG	0.25	0.5	4				9.03E+02	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	COPPER	8.7	MG/KG	0.25	0.5	11				3.13E+02	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	IRON	12600	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BJ1BAA	12BJ	10/30/02	IM40MB	LEAD	19.1	MG/KG	0.25	0.5	19	X	3.00E+02		4.00E+01	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	MAGNESIUM	926	MG/KG	0.25	0.5	2010					
HC12BJ1BAA	12BJ	10/30/02	IM40MB	MANGANESE	46.2	MG/KG	0.25	0.5	134				1.76E+02	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	MOLYBDENUM	0.82	MG/KG	0.25	0.5	1.2				3.91E+01	

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BJ1BAA	12BJ	10/30/02	IM40MB	NICKEL	5.5 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	POTASSIUM	421	MG/KG	0.25	0.5	766					
HC12BJ1BAA	12BJ	10/30/02	IM40MB	VANADIUM	24.5	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BJ1BAA	12BJ	10/30/02	IM40MB	ZINC	17.9	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BJ1BAA	12BJ	10/30/02	SW8270	FLUORANTHENE	44 J	UG/KG	0.25	0.5	460		1.00E+06		2.29E+05	
HC12BJ1BAA	12BJ	10/30/02	SW8270	PHENANTHRENE	36 J	UG/KG	0.25	0.5	460				2.19E+06	
HC12BJ1BAA	12BJ	10/30/02	SW8270	PYRENE	47 J	UG/KG	0.25	0.5	460				2.32E+05	
HC12BJ1CAA	12BJ	10/30/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BJ1CAA	12BJ	10/30/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BJ1CAA	12BJ	10/30/02	D2216M	MOISTURE	18.8 *	PERCENT	0.5	1						
HC12BJ1CAA	12BJ	10/30/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BJ1CAA	12BJ	10/30/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BJ1CAA	12BJ	10/30/02	IM40MB	ALUMINUM	12000	MG/KG	0.5	1	16019				7.61E+03	X
HC12BJ1CAA	12BJ	10/30/02	IM40MB	ARSENIC	5.1	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BJ1CAA	12BJ	10/30/02	IM40MB	BARIUM	16.2	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	BERYLLIUM	0.23	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	BORON	3.3	MG/KG	0.5	1	9.6				1.56E+03	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	CALCIUM	148	MG/KG	0.5	1	288					
HC12BJ1CAA	12BJ	10/30/02	IM40MB	CHROMIUM, TOTAL	13.3	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	COBALT	2.5	MG/KG	0.5	1	4				9.03E+02	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	COPPER	8.1	MG/KG	0.5	1	11				3.13E+02	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	IRON	13100	MG/KG	0.5	1	17800				2.35E+03	X
HC12BJ1CAA	12BJ	10/30/02	IM40MB	LEAD	16.4	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	MAGNESIUM	964	MG/KG	0.5	1	2010					
HC12BJ1CAA	12BJ	10/30/02	IM40MB	MANGANESE	46.8	MG/KG	0.5	1	134				1.76E+02	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	MOLYBDENUM	1.1	MG/KG	0.5	1	1.2				3.91E+01	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	NICKEL	5.7	MG/KG	0.5	1	10				1.56E+02	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	POTASSIUM	442	MG/KG	0.5	1	766					
HC12BJ1CAA	12BJ	10/30/02	IM40MB	VANADIUM	24.2	MG/KG	0.5	1	28.8				5.48E+01	
HC12BJ1CAA	12BJ	10/30/02	IM40MB	ZINC	19.3	MG/KG	0.5	1	25.6				2.35E+03	
HC12BJ1CAD	12BJ	10/30/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BJ1CAD	12BJ	10/30/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BJ1CAD	12BJ	10/30/02	D2216M	MOISTURE	17.4 *	PERCENT	0.5	1						
HC12BJ1CAD	12BJ	10/30/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BJ1CAD	12BJ	10/30/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BJ1CAD	12BJ	10/30/02	IM40MB	ALUMINUM	11600	MG/KG	0.5	1	16019				7.61E+03	X
HC12BJ1CAD	12BJ	10/30/02	IM40MB	ARSENIC	4.5	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BJ1CAD	12BJ	10/30/02	IM40MB	BARIUM	17.1	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	BERYLLIUM	0.22	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	BORON	3.2	MG/KG	0.5	1	9.6				1.56E+03	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	CALCIUM	179	MG/KG	0.5	1	288					
HC12BJ1CAD	12BJ	10/30/02	IM40MB	CHROMIUM, TOTAL	12.7	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	COBALT	2.4	MG/KG	0.5	1	4				9.03E+02	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	IRON	12700	MG/KG	0.5	1	17800				2.35E+03	X

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HC12BJ1CAD	12BJ	10/30/02	IM40MB	LEAD	14.7	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	MAGNESIUM	927	MG/KG	0.5	1	2010					
HC12BJ1CAD	12BJ	10/30/02	IM40MB	MANGANESE	49.4	MG/KG	0.5	1	134				1.76E+02	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	MOLYBDENUM	0.49	MG/KG	0.5	1	1.2				3.91E+01	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	NICKEL	5.3 J	MG/KG	0.5	1	10				1.56E+02	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	POTASSIUM	483	MG/KG	0.5	1	766					
HC12BJ1CAD	12BJ	10/30/02	IM40MB	VANADIUM	22.8	MG/KG	0.5	1	28.8				5.48E+01	
HC12BJ1CAD	12BJ	10/30/02	IM40MB	ZINC	18.2	MG/KG	0.5	1	25.6				2.35E+03	
HC12BK1AAA	12BK	10/31/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BK1AAA	12BK	10/31/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BK1AAA	12BK	10/31/02	D2216M	MOISTURE	20.5 *	PERCENT	0	0.25						
HC12BK1AAA	12BK	10/31/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BK1AAA	12BK	10/31/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BK1AAA	12BK	10/31/02	IM40MB	ALUMINUM	9160	MG/KG	0	0.25	16019				7.61E+03	X
HC12BK1AAA	12BK	10/31/02	IM40MB	ARSENIC	4.5	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BK1AAA	12BK	10/31/02	IM40MB	BARIUM	13.4	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BK1AAA	12BK	10/31/02	IM40MB	BERYLLIUM	0.18	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BK1AAA	12BK	10/31/02	IM40MB	BORON	3.1	MG/KG	0	0.25	9.6				1.56E+03	
HC12BK1AAA	12BK	10/31/02	IM40MB	CADMIUM	4.3	MG/KG	0	0.25	0.94	X	2.00E+00		3.70E+00	X
HC12BK1AAA	12BK	10/31/02	IM40MB	CALCIUM	121	MG/KG	0	0.25	288					
HC12BK1AAA	12BK	10/31/02	IM40MB	CHROMIUM, TOTAL	11.4	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BK1AAA	12BK	10/31/02	IM40MB	COBALT	2	MG/KG	0	0.25	4				9.03E+02	
HC12BK1AAA	12BK	10/31/02	IM40MB	COPPER	58.9	MG/KG	0	0.25	11	X			3.13E+02	
HC12BK1AAA	12BK	10/31/02	IM40MB	IRON	12500	MG/KG	0	0.25	17800				2.35E+03	X
HC12BK1AAA	12BK	10/31/02	IM40MB	LEAD	16.2	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BK1AAA	12BK	10/31/02	IM40MB	MAGNESIUM	727	MG/KG	0	0.25	2010					
HC12BK1AAA	12BK	10/31/02	IM40MB	MANGANESE	37.8	MG/KG	0	0.25	134				1.76E+02	
HC12BK1AAA	12BK	10/31/02	IM40MB	MOLYBDENUM	0.97	MG/KG	0	0.25	1.2				3.91E+01	
HC12BK1AAA	12BK	10/31/02	IM40MB	NICKEL	4.2 J	MG/KG	0	0.25	10				1.56E+02	
HC12BK1AAA	12BK	10/31/02	IM40MB	POTASSIUM	317	MG/KG	0	0.25	766					
HC12BK1AAA	12BK	10/31/02	IM40MB	VANADIUM	22.9	MG/KG	0	0.25	28.8				5.48E+01	
HC12BK1AAA	12BK	10/31/02	IM40MB	ZINC	172	MG/KG	0	0.25	25.6	X			2.35E+03	
HC12BK1AAA	12BK	10/31/02	SW8270	{ND on all 78} analytes			0	0.25						
HC12BK1BAA	12BK	10/31/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BK1BAA	12BK	10/31/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BK1BAA	12BK	10/31/02	D2216M	MOISTURE	19.7 *	PERCENT	0.25	0.5						
HC12BK1BAA	12BK	10/31/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BK1BAA	12BK	10/31/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BK1BAA	12BK	10/31/02	IM40MB	ALUMINUM	12800	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BK1BAA	12BK	10/31/02	IM40MB	ARSENIC	5	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BK1BAA	12BK	10/31/02	IM40MB	BARIUM	11.3	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BK1BAA	12BK	10/31/02	IM40MB	BERYLLIUM	0.22	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BK1BAA	12BK	10/31/02	IM40MB	BORON	3	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BK1BAA	12BK	10/31/02	IM40MB	CADMIUM	1.1	MG/KG	0.25	0.5	0.94	X	2.00E+00		3.70E+00	

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BK1BAA	12BK	10/31/02	IM40MB	CALCIUM	101	MG/KG	0.25	0.5	288					
HC12BK1BAA	12BK	10/31/02	IM40MB	CHROMIUM, TOTAL	13.7	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BK1BAA	12BK	10/31/02	IM40MB	COBALT	2.8	MG/KG	0.25	0.5	4				9.03E+02	
HC12BK1BAA	12BK	10/31/02	IM40MB	COPPER	4.6	MG/KG	0.25	0.5	11				3.13E+02	
HC12BK1BAA	12BK	10/31/02	IM40MB	IRON	12600	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BK1BAA	12BK	10/31/02	IM40MB	LEAD	8.7	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BK1BAA	12BK	10/31/02	IM40MB	MAGNESIUM	1050	MG/KG	0.25	0.5	2010					
HC12BK1BAA	12BK	10/31/02	IM40MB	MANGANESE	48.8	MG/KG	0.25	0.5	134				1.76E+02	
HC12BK1BAA	12BK	10/31/02	IM40MB	MOLYBDENUM	0.89	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BK1BAA	12BK	10/31/02	IM40MB	NICKEL	5.8 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BK1BAA	12BK	10/31/02	IM40MB	POTASSIUM	373	MG/KG	0.25	0.5	766					
HC12BK1BAA	12BK	10/31/02	IM40MB	SELENIUM	0.88 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BK1BAA	12BK	10/31/02	IM40MB	VANADIUM	20.6	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BK1BAA	12BK	10/31/02	IM40MB	ZINC	24.6	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BK1BAA	12BK	10/31/02	SW8270	BENZOIC ACID	48 J	UG/KG	0.25	0.5					1.00E+08	
HC12BK1CAA	12BK	10/31/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BK1CAA	12BK	10/31/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BK1CAA	12BK	10/31/02	D2216M	MOISTURE	13.5 *	PERCENT	0.5	1						
HC12BK1CAA	12BK	10/31/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BK1CAA	12BK	10/31/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BK1CAA	12BK	10/31/02	IM40MB	ALUMINUM	11600	MG/KG	0.5	1	16019				7.61E+03	X
HC12BK1CAA	12BK	10/31/02	IM40MB	ARSENIC	4.4	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BK1CAA	12BK	10/31/02	IM40MB	BARIUM	12.2	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BK1CAA	12BK	10/31/02	IM40MB	BERYLLIUM	0.22	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BK1CAA	12BK	10/31/02	IM40MB	BORON	2.8	MG/KG	0.5	1	9.6				1.56E+03	
HC12BK1CAA	12BK	10/31/02	IM40MB	CADMIUM	0.11 J	MG/KG	0.5	1	0.94		2.00E+00		3.70E+00	
HC12BK1CAA	12BK	10/31/02	IM40MB	CALCIUM	96.5	MG/KG	0.5	1	288					
HC12BK1CAA	12BK	10/31/02	IM40MB	CHROMIUM, TOTAL	14.1	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BK1CAA	12BK	10/31/02	IM40MB	COBALT	3.4	MG/KG	0.5	1	4				9.03E+02	
HC12BK1CAA	12BK	10/31/02	IM40MB	COPPER	4.5	MG/KG	0.5	1	11				3.13E+02	
HC12BK1CAA	12BK	10/31/02	IM40MB	IRON	11700	MG/KG	0.5	1	17800				2.35E+03	X
HC12BK1CAA	12BK	10/31/02	IM40MB	LEAD	7.7	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BK1CAA	12BK	10/31/02	IM40MB	MAGNESIUM	1380	MG/KG	0.5	1	2010					
HC12BK1CAA	12BK	10/31/02	IM40MB	MANGANESE	58.4	MG/KG	0.5	1	134				1.76E+02	
HC12BK1CAA	12BK	10/31/02	IM40MB	MOLYBDENUM	0.57	MG/KG	0.5	1	1.2				3.91E+01	
HC12BK1CAA	12BK	10/31/02	IM40MB	NICKEL	6.6	MG/KG	0.5	1	10				1.56E+02	
HC12BK1CAA	12BK	10/31/02	IM40MB	POTASSIUM	470	MG/KG	0.5	1	766					
HC12BK1CAA	12BK	10/31/02	IM40MB	VANADIUM	18.8	MG/KG	0.5	1	28.8				5.48E+01	
HC12BK1CAA	12BK	10/31/02	IM40MB	ZINC	17.6	MG/KG	0.5	1	25.6				2.35E+03	
HC12BK1CAA	12BK	10/31/02	SW8270	{ND on all 78} analytes			0.5	1						
HC12BL1AAA	12BL	10/31/02	8321D	BENZANTHRONE	30 J	UG/KG	0	0.25						
HC12BL1AAA	12BL	10/31/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BL1AAA	12BL	10/31/02	D2216M	MOISTURE	13.1 *	PERCENT	0	0.25						
HC12BL1AAA	12BL	10/31/02	E314.0	{ND on all 1} analytes			0	0.25						

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BL1AAA	12BL	10/31/02	IM40HG	MERCURY	0.43	MG/KG	0	0.25						
HC12BL1AAA	12BL	10/31/02	IM40MB	ALUMINUM	8480	MG/KG	0	0.25	16019				7.61E+03	X
HC12BL1AAA	12BL	10/31/02	IM40MB	ARSENIC	4.6 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BL1AAA	12BL	10/31/02	IM40MB	BARIUM	23.6	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BL1AAA	12BL	10/31/02	IM40MB	BERYLLIUM	0.3 J	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BL1AAA	12BL	10/31/02	IM40MB	BORON	1.5 J	MG/KG	0	0.25	9.6				1.56E+03	
HC12BL1AAA	12BL	10/31/02	IM40MB	CADMIUM	3.6	MG/KG	0	0.25	0.94	X	2.00E+00		3.70E+00	
HC12BL1AAA	12BL	10/31/02	IM40MB	CALCIUM	163	MG/KG	0	0.25	288					
HC12BL1AAA	12BL	10/31/02	IM40MB	CHROMIUM, TOTAL	10.8	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BL1AAA	12BL	10/31/02	IM40MB	COBALT	3.4	MG/KG	0	0.25	4				9.03E+02	
HC12BL1AAA	12BL	10/31/02	IM40MB	COPPER	15.5	MG/KG	0	0.25	11	X			3.13E+02	
HC12BL1AAA	12BL	10/31/02	IM40MB	IRON	10600	MG/KG	0	0.25	17800				2.35E+03	X
HC12BL1AAA	12BL	10/31/02	IM40MB	LEAD	27.4	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12BL1AAA	12BL	10/31/02	IM40MB	MAGNESIUM	1210	MG/KG	0	0.25	2010					
HC12BL1AAA	12BL	10/31/02	IM40MB	MANGANESE	188 J	MG/KG	0	0.25	134	X			1.76E+02	X
HC12BL1AAA	12BL	10/31/02	IM40MB	NICKEL	6.4	MG/KG	0	0.25	10				1.56E+02	
HC12BL1AAA	12BL	10/31/02	IM40MB	POTASSIUM	740	MG/KG	0	0.25	766					
HC12BL1AAA	12BL	10/31/02	IM40MB	SELENIUM	0.99 J	MG/KG	0	0.25	1.7				3.91E+01	
HC12BL1AAA	12BL	10/31/02	IM40MB	VANADIUM	16.9	MG/KG	0	0.25	28.8				5.48E+01	
HC12BL1AAA	12BL	10/31/02	IM40MB	ZINC	25.3	MG/KG	0	0.25	25.6				2.35E+03	
HC12BL1AAA	12BL	10/31/02	SW8270	PYRENE	18 J	UG/KG	0	0.25	460				2.32E+05	
HC12BL1AAD	12BL	10/31/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BL1AAD	12BL	10/31/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BL1BAA	12BL	10/31/02	8321D	BENZANTHRONE	57 J	UG/KG	0.25	0.5						
HC12BL1BAA	12BL	10/31/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BL1BAA	12BL	10/31/02	D2216M	MOISTURE	13.2 *	PERCENT	0.25	0.5						
HC12BL1BAA	12BL	10/31/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BL1BAA	12BL	10/31/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BL1BAA	12BL	10/31/02	IM40MB	ALUMINUM	7840	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BL1BAA	12BL	10/31/02	IM40MB	ARSENIC	5.1 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BL1BAA	12BL	10/31/02	IM40MB	BARIUM	14.4	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BL1BAA	12BL	10/31/02	IM40MB	BERYLLIUM	0.22 J	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BL1BAA	12BL	10/31/02	IM40MB	BORON	1.1 J	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BL1BAA	12BL	10/31/02	IM40MB	CADMIUM	0.16 J	MG/KG	0.25	0.5	0.94		2.00E+00		3.70E+00	
HC12BL1BAA	12BL	10/31/02	IM40MB	CALCIUM	141	MG/KG	0.25	0.5	288					
HC12BL1BAA	12BL	10/31/02	IM40MB	CHROMIUM, TOTAL	10.3	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BL1BAA	12BL	10/31/02	IM40MB	COBALT	3	MG/KG	0.25	0.5	4				9.03E+02	
HC12BL1BAA	12BL	10/31/02	IM40MB	COPPER	6.8	MG/KG	0.25	0.5	11				3.13E+02	
HC12BL1BAA	12BL	10/31/02	IM40MB	IRON	10100	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BL1BAA	12BL	10/31/02	IM40MB	LEAD	10.2	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BL1BAA	12BL	10/31/02	IM40MB	MAGNESIUM	1130	MG/KG	0.25	0.5	2010					
HC12BL1BAA	12BL	10/31/02	IM40MB	MANGANESE	70.5 J	MG/KG	0.25	0.5	134				1.76E+02	
HC12BL1BAA	12BL	10/31/02	IM40MB	NICKEL	5.5	MG/KG	0.25	0.5	10				1.56E+02	
HC12BL1BAA	12BL	10/31/02	IM40MB	POTASSIUM	549	MG/KG	0.25	0.5	766					

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BL1BAA	12BL	10/31/02	IM40MB	SILVER	0.51 J	MG/KG	0.25	0.5					3.91E+01	
HC12BL1BAA	12BL	10/31/02	IM40MB	VANADIUM	16.8	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BL1BAA	12BL	10/31/02	IM40MB	ZINC	17.4	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BL1BAA	12BL	10/31/02	SW8270	BENZO(A)ANTHRACENE	420	UG/KG	0.25	0.5	460		7.00E+03		6.21E+02	
HC12BL1BAA	12BL	10/31/02	SW8270	BENZO(A)PYRENE	150 J	UG/KG	0.25	0.5	460		2.00E+03		6.22E+01	X
HC12BL1BAA	12BL	10/31/02	SW8270	BENZO(B)FLUORANTHENE	310 J	UG/KG	0.25	0.5	460		7.00E+03		6.21E+02	
HC12BL1BAA	12BL	10/31/02	SW8270	BENZO(G,H,I)PERYLENE	55 J	UG/KG	0.25	0.5	460		1.00E+06		2.32E+05	
HC12BL1BAA	12BL	10/31/02	SW8270	BENZO(K)FLUORANTHENE	290 J	UG/KG	0.25	0.5	460		7.00E+04		6.21E+03	
HC12BL1BAA	12BL	10/31/02	SW8270	CHRYSENE	730	UG/KG	0.25	0.5	460	X	7.00E+04		6.21E+04	
HC12BL1BAA	12BL	10/31/02	SW8270	DIBENZ(A,H)ANTHRACENE	25 J	UG/KG	0.25	0.5			7.00E+02		6.22E+01	
HC12BL1BAA	12BL	10/31/02	SW8270	FLUORANTHENE	790	UG/KG	0.25	0.5	460	X	1.00E+06		2.29E+05	
HC12BL1BAA	12BL	10/31/02	SW8270	INDENO(1,2,3-C,D)PYRENE	66 J	UG/KG	0.25	0.5	460		7.00E+03		6.21E+02	
HC12BL1BAA	12BL	10/31/02	SW8270	PYRENE	1900 J	UG/KG	0.25	0.5	460	X	1.00E+06		2.32E+05	
HC12BL1CAA	12BL	10/31/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BL1CAA	12BL	10/31/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BL1CAA	12BL	10/31/02	D2216M	MOISTURE	13.9 *	PERCENT	0.5	1						
HC12BL1CAA	12BL	10/31/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BL1CAA	12BL	10/31/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BL1CAA	12BL	10/31/02	IM40MB	ALUMINUM	12200	MG/KG	0.5	1	16019				7.61E+03	X
HC12BL1CAA	12BL	10/31/02	IM40MB	ARSENIC	5.4 J	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BL1CAA	12BL	10/31/02	IM40MB	BARIUM	16	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BL1CAA	12BL	10/31/02	IM40MB	BERYLLIUM	0.25 J	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BL1CAA	12BL	10/31/02	IM40MB	BORON	1.7 J	MG/KG	0.5	1	9.6				1.56E+03	
HC12BL1CAA	12BL	10/31/02	IM40MB	CALCIUM	156	MG/KG	0.5	1	288					
HC12BL1CAA	12BL	10/31/02	IM40MB	CHROMIUM, TOTAL	14.9	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BL1CAA	12BL	10/31/02	IM40MB	COBALT	4	MG/KG	0.5	1	4				9.03E+02	
HC12BL1CAA	12BL	10/31/02	IM40MB	COPPER	6	MG/KG	0.5	1	11				3.13E+02	
HC12BL1CAA	12BL	10/31/02	IM40MB	IRON	13700	MG/KG	0.5	1	17800				2.35E+03	X
HC12BL1CAA	12BL	10/31/02	IM40MB	LEAD	10	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BL1CAA	12BL	10/31/02	IM40MB	MAGNESIUM	1450	MG/KG	0.5	1	2010					
HC12BL1CAA	12BL	10/31/02	IM40MB	MANGANESE	72.9 J	MG/KG	0.5	1	134				1.76E+02	
HC12BL1CAA	12BL	10/31/02	IM40MB	NICKEL	7.2	MG/KG	0.5	1	10				1.56E+02	
HC12BL1CAA	12BL	10/31/02	IM40MB	POTASSIUM	641	MG/KG	0.5	1	766					
HC12BL1CAA	12BL	10/31/02	IM40MB	SELENIUM	1.2 J	MG/KG	0.5	1	1.7				3.91E+01	
HC12BL1CAA	12BL	10/31/02	IM40MB	VANADIUM	23	MG/KG	0.5	1	28.8				5.48E+01	
HC12BL1CAA	12BL	10/31/02	IM40MB	ZINC	18.5	MG/KG	0.5	1	25.6				2.35E+03	
HC12BL1CAA	12BL	10/31/02	SW8270	BENZO(A)ANTHRACENE	37 J	UG/KG	0.5	1	460		7.00E+03		6.21E+02	
HC12BL1CAA	12BL	10/31/02	SW8270	CHRYSENE	44 J	UG/KG	0.5	1	460		7.00E+04		6.21E+04	
HC12BL1CAA	12BL	10/31/02	SW8270	FLUORANTHENE	65 J	UG/KG	0.5	1	460		1.00E+06		2.29E+05	
HC12BL1CAA	12BL	10/31/02	SW8270	PYRENE	130 J	UG/KG	0.5	1	460				2.32E+05	
HC12BLIAAD	12BL	10/31/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BLIAAD	12BL	10/31/02	D2216M	MOISTURE	9.8 *	PERCENT	0	0.25						
HC12BLIAAD	12BL	10/31/02	IM40HG	MERCURY	0.18	MG/KG	0	0.25						
HC12BLIAAD	12BL	10/31/02	IM40MB	ALUMINUM	7940	MG/KG	0	0.25	16019				7.61E+03	X

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BLIAAD	12BL	10/31/02	IM40MB	ARSENIC	3 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BLIAAD	12BL	10/31/02	IM40MB	BARIUM	16.3	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BLIAAD	12BL	10/31/02	IM40MB	BERYLLIUM	0.25 J	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BLIAAD	12BL	10/31/02	IM40MB	BORON	1.4 J	MG/KG	0	0.25	9.6				1.56E+03	
HC12BLIAAD	12BL	10/31/02	IM40MB	CADMIUM	0.18	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12BLIAAD	12BL	10/31/02	IM40MB	CALCIUM	156	MG/KG	0	0.25	288					
HC12BLIAAD	12BL	10/31/02	IM40MB	CHROMIUM, TOTAL	10.3	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BLIAAD	12BL	10/31/02	IM40MB	COBALT	3.3	MG/KG	0	0.25	4				9.03E+02	
HC12BLIAAD	12BL	10/31/02	IM40MB	COPPER	10.9	MG/KG	0	0.25	11				3.13E+02	
HC12BLIAAD	12BL	10/31/02	IM40MB	IRON	9930	MG/KG	0	0.25	17800				2.35E+03	X
HC12BLIAAD	12BL	10/31/02	IM40MB	LEAD	17.2	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BLIAAD	12BL	10/31/02	IM40MB	MAGNESIUM	1260	MG/KG	0	0.25	2010					
HC12BLIAAD	12BL	10/31/02	IM40MB	MANGANESE	106 J	MG/KG	0	0.25	134				1.76E+02	
HC12BLIAAD	12BL	10/31/02	IM40MB	NICKEL	6.1	MG/KG	0	0.25	10				1.56E+02	
HC12BLIAAD	12BL	10/31/02	IM40MB	POTASSIUM	623	MG/KG	0	0.25	766					
HC12BLIAAD	12BL	10/31/02	IM40MB	VANADIUM	15.9	MG/KG	0	0.25	28.8				5.48E+01	
HC12BLIAAD	12BL	10/31/02	IM40MB	ZINC	20.5	MG/KG	0	0.25	25.6				2.35E+03	
HC12BLIAAD	12BL	10/31/02	SW8270	BENZO(B)FLUORANTHENE	24 J	UG/KG	0	0.25	460		7.00E+03		6.21E+02	
HC12BLIAAD	12BL	10/31/02	SW8270	BENZO(K)FLUORANTHENE	25 J	UG/KG	0	0.25	460		7.00E+04		6.21E+03	
HC12BLIAAD	12BL	10/31/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	18 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BLIAAD	12BL	10/31/02	SW8270	CHRYSENE	40 J	UG/KG	0	0.25	460		7.00E+04		6.21E+04	
HC12BLIAAD	12BL	10/31/02	SW8270	DI-N-BUTYL PHTHALATE	36 J	UG/KG	0	0.25					6.11E+05	
HC12BLIAAD	12BL	10/31/02	SW8270	PYRENE	22 J	UG/KG	0	0.25	460				2.32E+05	
HC12BM1AAA	12BM	10/31/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BM1AAA	12BM	10/31/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BM1AAA	12BM	10/31/02	D2216M	MOISTURE	10 *	PERCENT	0	0.25						
HC12BM1AAA	12BM	10/31/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BM1AAA	12BM	10/31/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BM1AAA	12BM	10/31/02	IM40MB	ALUMINUM	5770	MG/KG	0	0.25	16019				7.61E+03	
HC12BM1AAA	12BM	10/31/02	IM40MB	ARSENIC	2.2 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BM1AAA	12BM	10/31/02	IM40MB	BARIUM	11.9	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BM1AAA	12BM	10/31/02	IM40MB	BERYLLIUM	0.18 J	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BM1AAA	12BM	10/31/02	IM40MB	BORON	1.2 J	MG/KG	0	0.25	9.6				1.56E+03	
HC12BM1AAA	12BM	10/31/02	IM40MB	CADMIUM	0.16 J	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12BM1AAA	12BM	10/31/02	IM40MB	CALCIUM	250	MG/KG	0	0.25	288					
HC12BM1AAA	12BM	10/31/02	IM40MB	CHROMIUM, TOTAL	8.1	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BM1AAA	12BM	10/31/02	IM40MB	COBALT	2.8	MG/KG	0	0.25	4				9.03E+02	
HC12BM1AAA	12BM	10/31/02	IM40MB	COPPER	5.2	MG/KG	0	0.25	11				3.13E+02	
HC12BM1AAA	12BM	10/31/02	IM40MB	IRON	7250	MG/KG	0	0.25	17800				2.35E+03	X
HC12BM1AAA	12BM	10/31/02	IM40MB	LEAD	7.9	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BM1AAA	12BM	10/31/02	IM40MB	MAGNESIUM	1040	MG/KG	0	0.25	2010					
HC12BM1AAA	12BM	10/31/02	IM40MB	MANGANESE	71.3 J	MG/KG	0	0.25	134				1.76E+02	
HC12BM1AAA	12BM	10/31/02	IM40MB	NICKEL	4.7	MG/KG	0	0.25	10				1.56E+02	
HC12BM1AAA	12BM	10/31/02	IM40MB	POTASSIUM	547	MG/KG	0	0.25	766					

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BM1AAA	12BM	10/31/02	IM40MB	VANADIUM	11.4	MG/KG	0	0.25	28.8				5.48E+01	
HC12BM1AAA	12BM	10/31/02	IM40MB	ZINC	16.9	MG/KG	0	0.25	25.6				2.35E+03	
HC12BM1AAA	12BM	10/31/02	SW8270	{ND on all 78} analytes			0	0.25						
HC12BM1BAA	12BM	10/31/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BM1BAA	12BM	10/31/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BM1BAA	12BM	10/31/02	D2216M	MOISTURE	14.4 *	PERCENT	0.25	0.5						
HC12BM1BAA	12BM	10/31/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BM1BAA	12BM	10/31/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BM1BAA	12BM	10/31/02	IM40MB	ALUMINUM	9220	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BM1BAA	12BM	10/31/02	IM40MB	ARSENIC	3.5 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BM1BAA	12BM	10/31/02	IM40MB	BARIUM	15	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BM1BAA	12BM	10/31/02	IM40MB	BERYLLIUM	0.23 J	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BM1BAA	12BM	10/31/02	IM40MB	CALCIUM	199	MG/KG	0.25	0.5	288					
HC12BM1BAA	12BM	10/31/02	IM40MB	CHROMIUM, TOTAL	11.9	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BM1BAA	12BM	10/31/02	IM40MB	COBALT	3.4	MG/KG	0.25	0.5	4				9.03E+02	
HC12BM1BAA	12BM	10/31/02	IM40MB	COPPER	6.8	MG/KG	0.25	0.5	11				3.13E+02	
HC12BM1BAA	12BM	10/31/02	IM40MB	IRON	10100	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BM1BAA	12BM	10/31/02	IM40MB	LEAD	10.3	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BM1BAA	12BM	10/31/02	IM40MB	MAGNESIUM	1450	MG/KG	0.25	0.5	2010					
HC12BM1BAA	12BM	10/31/02	IM40MB	MANGANESE	75.3 J	MG/KG	0.25	0.5	134				1.76E+02	
HC12BM1BAA	12BM	10/31/02	IM40MB	NICKEL	6.3	MG/KG	0.25	0.5	10				1.56E+02	
HC12BM1BAA	12BM	10/31/02	IM40MB	POTASSIUM	645	MG/KG	0.25	0.5	766					
HC12BM1BAA	12BM	10/31/02	IM40MB	VANADIUM	16.9	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BM1BAA	12BM	10/31/02	IM40MB	ZINC	17.7	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BM1BAA	12BM	10/31/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	19 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BM1CAA	12BM	10/31/02	8321D	BENZANTHRONE	50 J	UG/KG	0.5	1						
HC12BM1CAA	12BM	10/31/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BM1CAA	12BM	10/31/02	D2216M	MOISTURE	14 *	PERCENT	0.5	1						
HC12BM1CAA	12BM	10/31/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BM1CAA	12BM	10/31/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BM1CAA	12BM	10/31/02	IM40MB	ALUMINUM	6960	MG/KG	0.5	1	16019				7.61E+03	
HC12BM1CAA	12BM	10/31/02	IM40MB	ARSENIC	3.2 J	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BM1CAA	12BM	10/31/02	IM40MB	BARIUM	13.9	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BM1CAA	12BM	10/31/02	IM40MB	BERYLLIUM	0.19 J	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BM1CAA	12BM	10/31/02	IM40MB	CALCIUM	165	MG/KG	0.5	1	288					
HC12BM1CAA	12BM	10/31/02	IM40MB	CHROMIUM, TOTAL	9.7	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BM1CAA	12BM	10/31/02	IM40MB	COBALT	2.7	MG/KG	0.5	1	4				9.03E+02	
HC12BM1CAA	12BM	10/31/02	IM40MB	COPPER	5.9	MG/KG	0.5	1	11				3.13E+02	
HC12BM1CAA	12BM	10/31/02	IM40MB	IRON	8760	MG/KG	0.5	1	17800				2.35E+03	X
HC12BM1CAA	12BM	10/31/02	IM40MB	LEAD	8.9	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BM1CAA	12BM	10/31/02	IM40MB	MAGNESIUM	1050	MG/KG	0.5	1	2010					
HC12BM1CAA	12BM	10/31/02	IM40MB	MANGANESE	76.4 J	MG/KG	0.5	1	134				1.76E+02	
HC12BM1CAA	12BM	10/31/02	IM40MB	NICKEL	5.3	MG/KG	0.5	1	10				1.56E+02	
HC12BM1CAA	12BM	10/31/02	IM40MB	POTASSIUM	513	MG/KG	0.5	1	766					

Table 1
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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BM1CAA	12BM	10/31/02	IM40MB	VANADIUM	14.5	MG/KG	0.5	1	28.8				5.48E+01	
HC12BM1CAA	12BM	10/31/02	IM40MB	ZINC	13.8	MG/KG	0.5	1	25.6				2.35E+03	
HC12BM1CAA	12BM	10/31/02	SW8270	{ND on all 78} analytes			0.5	1						
HC12BN1AAA	12BN	10/31/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BN1AAA	12BN	10/31/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BN1AAA	12BN	10/31/02	D2216M	MOISTURE	25.1 *	PERCENT	0	0.25						
HC12BN1AAA	12BN	10/31/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BN1AAA	12BN	10/31/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BN1AAA	12BN	10/31/02	IM40MB	ALUMINUM	10300	MG/KG	0	0.25	16019				7.61E+03	X
HC12BN1AAA	12BN	10/31/02	IM40MB	ANTIMONY	2 J	MG/KG	0	0.25	1.9	X			3.13E+00	
HC12BN1AAA	12BN	10/31/02	IM40MB	ARSENIC	6.1 J	MG/KG	0	0.25	5.5	X	2.00E+01		2.16E+00	X
HC12BN1AAA	12BN	10/31/02	IM40MB	BARIUM	15.3	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BN1AAA	12BN	10/31/02	IM40MB	BERYLLIUM	0.24 J	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BN1AAA	12BN	10/31/02	IM40MB	CALCIUM	166	MG/KG	0	0.25	288					
HC12BN1AAA	12BN	10/31/02	IM40MB	CHROMIUM, TOTAL	12.1	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BN1AAA	12BN	10/31/02	IM40MB	COBALT	2.8	MG/KG	0	0.25	4				9.03E+02	
HC12BN1AAA	12BN	10/31/02	IM40MB	COPPER	6.4	MG/KG	0	0.25	11				3.13E+02	
HC12BN1AAA	12BN	10/31/02	IM40MB	IRON	14600	MG/KG	0	0.25	17800				2.35E+03	X
HC12BN1AAA	12BN	10/31/02	IM40MB	LEAD	22.9	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12BN1AAA	12BN	10/31/02	IM40MB	MAGNESIUM	892	MG/KG	0	0.25	2010					
HC12BN1AAA	12BN	10/31/02	IM40MB	MANGANESE	47.2 J	MG/KG	0	0.25	134				1.76E+02	
HC12BN1AAA	12BN	10/31/02	IM40MB	MOLYBDENUM	1.8 J	MG/KG	0	0.25	1.2	X			3.91E+01	
HC12BN1AAA	12BN	10/31/02	IM40MB	NICKEL	6.2	MG/KG	0	0.25	10				1.56E+02	
HC12BN1AAA	12BN	10/31/02	IM40MB	POTASSIUM	566	MG/KG	0	0.25	766					
HC12BN1AAA	12BN	10/31/02	IM40MB	SELENIUM	1.5 J	MG/KG	0	0.25	1.7				3.91E+01	
HC12BN1AAA	12BN	10/31/02	IM40MB	VANADIUM	30.7	MG/KG	0	0.25	28.8	X			5.48E+01	
HC12BN1AAA	12BN	10/31/02	IM40MB	ZINC	18.7	MG/KG	0	0.25	25.6				2.35E+03	
HC12BN1AAA	12BN	10/31/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BN1AAA	12BN	10/31/02	SW8270	PYRENE	21 J	UG/KG	0	0.25	460				2.32E+05	
HC12BN1BAA	12BN	10/31/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BN1BAA	12BN	10/31/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BN1BAA	12BN	10/31/02	D2216M	MOISTURE	23.9 *	PERCENT	0.25	0.5						
HC12BN1BAA	12BN	10/31/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BN1BAA	12BN	10/31/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BN1BAA	12BN	10/31/02	IM40MB	ALUMINUM	15800	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BN1BAA	12BN	10/31/02	IM40MB	ARSENIC	5.4 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BN1BAA	12BN	10/31/02	IM40MB	BARIUM	14	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BN1BAA	12BN	10/31/02	IM40MB	BERYLLIUM	0.33 J	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BN1BAA	12BN	10/31/02	IM40MB	BORON	1.3 J	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BN1BAA	12BN	10/31/02	IM40MB	CALCIUM	155	MG/KG	0.25	0.5	288					
HC12BN1BAA	12BN	10/31/02	IM40MB	CHROMIUM, TOTAL	16.8	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BN1BAA	12BN	10/31/02	IM40MB	COBALT	4.1	MG/KG	0.25	0.5	4	X			9.03E+02	
HC12BN1BAA	12BN	10/31/02	IM40MB	COPPER	3.6	MG/KG	0.25	0.5	11				3.13E+02	
HC12BN1BAA	12BN	10/31/02	IM40MB	IRON	15900	MG/KG	0.25	0.5	17800				2.35E+03	X

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BN1BAA	12BN	10/31/02	IM40MB	LEAD	12.7	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BN1BAA	12BN	10/31/02	IM40MB	MAGNESIUM	1170	MG/KG	0.25	0.5	2010					
HC12BN1BAA	12BN	10/31/02	IM40MB	MANGANESE	57.4 J	MG/KG	0.25	0.5	134				1.76E+02	
HC12BN1BAA	12BN	10/31/02	IM40MB	NICKEL	7.6	MG/KG	0.25	0.5	10				1.56E+02	
HC12BN1BAA	12BN	10/31/02	IM40MB	POTASSIUM	614	MG/KG	0.25	0.5	766					
HC12BN1BAA	12BN	10/31/02	IM40MB	SELENIUM	1.5 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BN1BAA	12BN	10/31/02	IM40MB	VANADIUM	26.3	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BN1BAA	12BN	10/31/02	IM40MB	ZINC	20.3	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BN1BAA	12BN	10/31/02	SW8270	BENZOIC ACID	120 J	UG/KG	0.25	0.5					1.00E+08	
HC12BN1BAA	12BN	10/31/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	32 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BN1CAA	12BN	10/31/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BN1CAA	12BN	10/31/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BN1CAA	12BN	10/31/02	D2216M	MOISTURE	19.7 *	PERCENT	0.5	1						
HC12BN1CAA	12BN	10/31/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BN1CAA	12BN	10/31/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BN1CAA	12BN	10/31/02	IM40MB	ALUMINUM	15300	MG/KG	0.5	1	16019				7.61E+03	X
HC12BN1CAA	12BN	10/31/02	IM40MB	ARSENIC	6.8 J	MG/KG	0.5	1	5.5	X	2.00E+01		2.16E+00	X
HC12BN1CAA	12BN	10/31/02	IM40MB	BARIIUM	14.3	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BN1CAA	12BN	10/31/02	IM40MB	BERYLLIUM	0.34 J	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BN1CAA	12BN	10/31/02	IM40MB	BORON	1.2 J	MG/KG	0.5	1	9.6				1.56E+03	
HC12BN1CAA	12BN	10/31/02	IM40MB	CALCIUM	139	MG/KG	0.5	1	288					
HC12BN1CAA	12BN	10/31/02	IM40MB	CHROMIUM, TOTAL	17.9	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BN1CAA	12BN	10/31/02	IM40MB	COBALT	4.7	MG/KG	0.5	1	4	X			9.03E+02	
HC12BN1CAA	12BN	10/31/02	IM40MB	COPPER	5.2	MG/KG	0.5	1	11				3.13E+02	
HC12BN1CAA	12BN	10/31/02	IM40MB	IRON	15500	MG/KG	0.5	1	17800				2.35E+03	X
HC12BN1CAA	12BN	10/31/02	IM40MB	LEAD	8.3	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BN1CAA	12BN	10/31/02	IM40MB	MAGNESIUM	1610	MG/KG	0.5	1	2010					
HC12BN1CAA	12BN	10/31/02	IM40MB	MANGANESE	67.6 J	MG/KG	0.5	1	134				1.76E+02	
HC12BN1CAA	12BN	10/31/02	IM40MB	NICKEL	8.5	MG/KG	0.5	1	10				1.56E+02	
HC12BN1CAA	12BN	10/31/02	IM40MB	POTASSIUM	682	MG/KG	0.5	1	766					
HC12BN1CAA	12BN	10/31/02	IM40MB	SELENIUM	1.3 J	MG/KG	0.5	1	1.7				3.91E+01	
HC12BN1CAA	12BN	10/31/02	IM40MB	SILVER	0.5 J	MG/KG	0.5	1					3.91E+01	
HC12BN1CAA	12BN	10/31/02	IM40MB	VANADIUM	24.8	MG/KG	0.5	1	28.8				5.48E+01	
HC12BN1CAA	12BN	10/31/02	IM40MB	ZINC	16.7	MG/KG	0.5	1	25.6				2.35E+03	
HC12BN1CAA	12BN	10/31/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BO1AAA	12BO	11/01/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BO1AAA	12BO	11/01/02	8330N	{ND on all 19} analytes			0	0.25						
HC12BO1AAA	12BO	11/01/02	D2216M	MOISTURE	24.4 *	PERCENT	0	0.25						
HC12BO1AAA	12BO	11/01/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BO1AAA	12BO	11/01/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BO1AAA	12BO	11/01/02	IM40MB	ALUMINUM	9250	MG/KG	0	0.25	16019				7.61E+03	X
HC12BO1AAA	12BO	11/01/02	IM40MB	ARSENIC	5.7 J	MG/KG	0	0.25	5.5	X	2.00E+01		2.16E+00	X
HC12BO1AAA	12BO	11/01/02	IM40MB	BARIIUM	22.8	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BO1AAA	12BO	11/01/02	IM40MB	BERYLLIUM	0.14 J	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BO1AAA	12BO	11/01/02	IM40MB	CADMIUM	0.21 J	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12BO1AAA	12BO	11/01/02	IM40MB	CALCIUM	166	MG/KG	0	0.25	288					
HC12BO1AAA	12BO	11/01/02	IM40MB	CHROMIUM, TOTAL	10.3	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BO1AAA	12BO	11/01/02	IM40MB	COBALT	2	MG/KG	0	0.25	4				9.03E+02	
HC12BO1AAA	12BO	11/01/02	IM40MB	COPPER	4.6	MG/KG	0	0.25	11				3.13E+02	
HC12BO1AAA	12BO	11/01/02	IM40MB	IRON	13500	MG/KG	0	0.25	17800				2.35E+03	X
HC12BO1AAA	12BO	11/01/02	IM40MB	LEAD	34.6	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12BO1AAA	12BO	11/01/02	IM40MB	MAGNESIUM	549	MG/KG	0	0.25	2010					
HC12BO1AAA	12BO	11/01/02	IM40MB	MANGANESE	33 J	MG/KG	0	0.25	134				1.76E+02	
HC12BO1AAA	12BO	11/01/02	IM40MB	NICKEL	5.3	MG/KG	0	0.25	10				1.56E+02	
HC12BO1AAA	12BO	11/01/02	IM40MB	POTASSIUM	460	MG/KG	0	0.25	766					
HC12BO1AAA	12BO	11/01/02	IM40MB	SELENIUM	1.2 J	MG/KG	0	0.25	1.7				3.91E+01	
HC12BO1AAA	12BO	11/01/02	IM40MB	VANADIUM	31.4	MG/KG	0	0.25	28.8	X			5.48E+01	
HC12BO1AAA	12BO	11/01/02	IM40MB	ZINC	14.8	MG/KG	0	0.25	25.6				2.35E+03	
HC12BO1AAA	12BO	11/01/02	SW8270	BENZOIC ACID	120 J	UG/KG	0	0.25					1.00E+08	
HC12BO1AAA	12BO	11/01/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	29 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BO1AAA	12BO	11/01/02	SW8270	FLUORANTHENE	31 J	UG/KG	0	0.25	460		1.00E+06		2.29E+05	
HC12BO1AAA	12BO	11/01/02	SW8270	PHENANTHRENE	27 J	UG/KG	0	0.25	460				2.19E+06	
HC12BO1AAD	12BO	11/01/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BO1AAD	12BO	11/01/02	8330N	{ND on all 19} analytes			0	0.25						
HC12BO1AAD	12BO	11/01/02	D2216M	MOISTURE	23.6 *	PERCENT	0	0.25						
HC12BO1AAD	12BO	11/01/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BO1AAD	12BO	11/01/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BO1AAD	12BO	11/01/02	IM40MB	ALUMINUM	8990	MG/KG	0	0.25	16019				7.61E+03	X
HC12BO1AAD	12BO	11/01/02	IM40MB	ARSENIC	5.5 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BO1AAD	12BO	11/01/02	IM40MB	BARIUM	20.1	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BO1AAD	12BO	11/01/02	IM40MB	BERYLLIUM	0.14 J	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BO1AAD	12BO	11/01/02	IM40MB	CALCIUM	236	MG/KG	0	0.25	288					
HC12BO1AAD	12BO	11/01/02	IM40MB	CHROMIUM, TOTAL	9.9	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BO1AAD	12BO	11/01/02	IM40MB	COBALT	2.1	MG/KG	0	0.25	4				9.03E+02	
HC12BO1AAD	12BO	11/01/02	IM40MB	COPPER	3.3	MG/KG	0	0.25	11				3.13E+02	
HC12BO1AAD	12BO	11/01/02	IM40MB	IRON	14900	MG/KG	0	0.25	17800				2.35E+03	X
HC12BO1AAD	12BO	11/01/02	IM40MB	LEAD	17.3	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BO1AAD	12BO	11/01/02	IM40MB	MAGNESIUM	540	MG/KG	0	0.25	2010					
HC12BO1AAD	12BO	11/01/02	IM40MB	MANGANESE	37.6 J	MG/KG	0	0.25	134				1.76E+02	
HC12BO1AAD	12BO	11/01/02	IM40MB	NICKEL	4.6	MG/KG	0	0.25	10				1.56E+02	
HC12BO1AAD	12BO	11/01/02	IM40MB	POTASSIUM	412	MG/KG	0	0.25	766					
HC12BO1AAD	12BO	11/01/02	IM40MB	SELENIUM	1.7 J	MG/KG	0	0.25	1.7				3.91E+01	
HC12BO1AAD	12BO	11/01/02	IM40MB	VANADIUM	27.5	MG/KG	0	0.25	28.8				5.48E+01	
HC12BO1AAD	12BO	11/01/02	IM40MB	ZINC	11.8	MG/KG	0	0.25	25.6				2.35E+03	
HC12BO1AAD	12BO	11/01/02	SW8270	BENZOIC ACID	190 J	UG/KG	0	0.25					1.00E+08	
HC12BO1BAA	12BO	11/01/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BO1BAA	12BO	11/01/02	8330N	{ND on all 19} analytes			0.25	0.5						
HC12BO1BAA	12BO	11/01/02	D2216M	MOISTURE	22.4 *	PERCENT	0.25	0.5						

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BO1BAA	12BO	11/01/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BO1BAA	12BO	11/01/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BO1BAA	12BO	11/01/02	IM40MB	ALUMINUM	14000	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BO1BAA	12BO	11/01/02	IM40MB	ARSENIC	5.4 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BO1BAA	12BO	11/01/02	IM40MB	BARIUM	16.2	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BO1BAA	12BO	11/01/02	IM40MB	BERYLLIUM	0.18 J	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BO1BAA	12BO	11/01/02	IM40MB	CALCIUM	140	MG/KG	0.25	0.5	288					
HC12BO1BAA	12BO	11/01/02	IM40MB	CHROMIUM, TOTAL	13.6	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BO1BAA	12BO	11/01/02	IM40MB	COBALT	2.6	MG/KG	0.25	0.5	4				9.03E+02	
HC12BO1BAA	12BO	11/01/02	IM40MB	COPPER	2.8	MG/KG	0.25	0.5	11				3.13E+02	
HC12BO1BAA	12BO	11/01/02	IM40MB	IRON	16100	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BO1BAA	12BO	11/01/02	IM40MB	LEAD	9.3	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BO1BAA	12BO	11/01/02	IM40MB	MAGNESIUM	764	MG/KG	0.25	0.5	2010					
HC12BO1BAA	12BO	11/01/02	IM40MB	MANGANESE	38 J	MG/KG	0.25	0.5	134				1.76E+02	
HC12BO1BAA	12BO	11/01/02	IM40MB	NICKEL	5.6	MG/KG	0.25	0.5	10				1.56E+02	
HC12BO1BAA	12BO	11/01/02	IM40MB	POTASSIUM	446	MG/KG	0.25	0.5	766					
HC12BO1BAA	12BO	11/01/02	IM40MB	SELENIUM	1.2 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BO1BAA	12BO	11/01/02	IM40MB	VANADIUM	26	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BO1BAA	12BO	11/01/02	IM40MB	ZINC	13	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BO1BAA	12BO	11/01/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	34 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BO1CAA	12BO	11/01/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BO1CAA	12BO	11/01/02	8330N	{ND on all 19} analytes			0.5	1						
HC12BO1CAA	12BO	11/01/02	D2216M	MOISTURE	14.1 *	PERCENT	0.5	1						
HC12BO1CAA	12BO	11/01/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BO1CAA	12BO	11/01/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BO1CAA	12BO	11/01/02	IM40MB	ALUMINUM	17000	MG/KG	0.5	1	16019	X			7.61E+03	X
HC12BO1CAA	12BO	11/01/02	IM40MB	ARSENIC	7.2 J	MG/KG	0.5	1	5.5	X	2.00E+01		2.16E+00	X
HC12BO1CAA	12BO	11/01/02	IM40MB	BARIUM	15.7	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BO1CAA	12BO	11/01/02	IM40MB	BERYLLIUM	0.25 J	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BO1CAA	12BO	11/01/02	IM40MB	CALCIUM	166	MG/KG	0.5	1	288					
HC12BO1CAA	12BO	11/01/02	IM40MB	CHROMIUM, TOTAL	19.4	MG/KG	0.5	1	19	X	3.00E+01		2.11E+02	
HC12BO1CAA	12BO	11/01/02	IM40MB	COBALT	4.3	MG/KG	0.5	1	4	X			9.03E+02	
HC12BO1CAA	12BO	11/01/02	IM40MB	COPPER	3	MG/KG	0.5	1	11				3.13E+02	
HC12BO1CAA	12BO	11/01/02	IM40MB	IRON	18300	MG/KG	0.5	1	17800	X			2.35E+03	X
HC12BO1CAA	12BO	11/01/02	IM40MB	LEAD	9.9	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BO1CAA	12BO	11/01/02	IM40MB	MAGNESIUM	1460	MG/KG	0.5	1	2010					
HC12BO1CAA	12BO	11/01/02	IM40MB	MANGANESE	88.6 J	MG/KG	0.5	1	134				1.76E+02	
HC12BO1CAA	12BO	11/01/02	IM40MB	NICKEL	8.4	MG/KG	0.5	1	10				1.56E+02	
HC12BO1CAA	12BO	11/01/02	IM40MB	POTASSIUM	547	MG/KG	0.5	1	766					
HC12BO1CAA	12BO	11/01/02	IM40MB	SELENIUM	1.7 J	MG/KG	0.5	1	1.7				3.91E+01	
HC12BO1CAA	12BO	11/01/02	IM40MB	VANADIUM	29.5	MG/KG	0.5	1	28.8	X			5.48E+01	
HC12BO1CAA	12BO	11/01/02	IM40MB	ZINC	16.5	MG/KG	0.5	1	25.6				2.35E+03	
HC12BO1CAA	12BO	11/01/02	SW8270	{ND on all 78} analytes			0.5	1						
HC12BP1AAA	12BP	11/01/02	8321D	{ND on all 4} analytes			0	0.25						

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BP1AAA	12BP	11/01/02	8330N	{ND on all 19} analytes			0	0.25						
HC12BP1AAA	12BP	11/01/02	D2216M	MOISTURE	18.5 *	PERCENT	0	0.25						
HC12BP1AAA	12BP	11/01/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BP1AAA	12BP	11/01/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BP1AAA	12BP	11/01/02	IM40MB	ALUMINIUM	6580	MG/KG	0	0.25	16019				7.61E+03	
HC12BP1AAA	12BP	11/01/02	IM40MB	ARSENIC	3.2 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BP1AAA	12BP	11/01/02	IM40MB	BARIUM	16.3	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BP1AAA	12BP	11/01/02	IM40MB	BERYLLIUM	0.07 J	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BP1AAA	12BP	11/01/02	IM40MB	CADMIUM	0.19 J	MG/KG	0	0.25	0.94		2.00E+00		3.70E+00	
HC12BP1AAA	12BP	11/01/02	IM40MB	CALCIUM	316	MG/KG	0	0.25	288	X				
HC12BP1AAA	12BP	11/01/02	IM40MB	CHROMIUM, TOTAL	8.7	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BP1AAA	12BP	11/01/02	IM40MB	COBALT	2	MG/KG	0	0.25	4				9.03E+02	
HC12BP1AAA	12BP	11/01/02	IM40MB	COPPER	7.8	MG/KG	0	0.25	11				3.13E+02	
HC12BP1AAA	12BP	11/01/02	IM40MB	IRON	8440	MG/KG	0	0.25	17800				2.35E+03	X
HC12BP1AAA	12BP	11/01/02	IM40MB	LEAD	25.6	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12BP1AAA	12BP	11/01/02	IM40MB	MAGNESIUM	686	MG/KG	0	0.25	2010					
HC12BP1AAA	12BP	11/01/02	IM40MB	MANGANESE	49.2 J	MG/KG	0	0.25	134				1.76E+02	
HC12BP1AAA	12BP	11/01/02	IM40MB	MOLYBDENUM	1.1 J	MG/KG	0	0.25	1.2				3.91E+01	
HC12BP1AAA	12BP	11/01/02	IM40MB	NICKEL	5.7	MG/KG	0	0.25	10				1.56E+02	
HC12BP1AAA	12BP	11/01/02	IM40MB	POTASSIUM	435	MG/KG	0	0.25	766					
HC12BP1AAA	12BP	11/01/02	IM40MB	VANADIUM	25.9	MG/KG	0	0.25	28.8				5.48E+01	
HC12BP1AAA	12BP	11/01/02	IM40MB	ZINC	20.5	MG/KG	0	0.25	25.6				2.35E+03	
HC12BP1AAA	12BP	11/01/02	SW8270	BENZOIC ACID	190 J	UG/KG	0	0.25					1.00E+08	
HC12BP1AAA	12BP	11/01/02	SW8270	PYRENE	24 J	UG/KG	0	0.25	460				2.32E+05	
HC12BP1BAA	12BP	11/01/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BP1BAA	12BP	11/01/02	8330N	{ND on all 19} analytes			0.25	0.5						
HC12BP1BAA	12BP	11/01/02	D2216M	MOISTURE	16.2 *	PERCENT	0.25	0.5						
HC12BP1BAA	12BP	11/01/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BP1BAA	12BP	11/01/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BP1BAA	12BP	11/01/02	IM40MB	ALUMINIUM	9240	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BP1BAA	12BP	11/01/02	IM40MB	ARSENIC	5.4 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BP1BAA	12BP	11/01/02	IM40MB	BARIUM	11.1	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BP1BAA	12BP	11/01/02	IM40MB	BERYLLIUM	0.09 J	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BP1BAA	12BP	11/01/02	IM40MB	BORON	1.4 J	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BP1BAA	12BP	11/01/02	IM40MB	CALCIUM	129	MG/KG	0.25	0.5	288					
HC12BP1BAA	12BP	11/01/02	IM40MB	CHROMIUM, TOTAL	10.7	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BP1BAA	12BP	11/01/02	IM40MB	COBALT	2.6	MG/KG	0.25	0.5	4				9.03E+02	
HC12BP1BAA	12BP	11/01/02	IM40MB	COPPER	4.2	MG/KG	0.25	0.5	11				3.13E+02	
HC12BP1BAA	12BP	11/01/02	IM40MB	IRON	10600	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BP1BAA	12BP	11/01/02	IM40MB	LEAD	7.4	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BP1BAA	12BP	11/01/02	IM40MB	MAGNESIUM	887	MG/KG	0.25	0.5	2010					
HC12BP1BAA	12BP	11/01/02	IM40MB	MANGANESE	57.1 J	MG/KG	0.25	0.5	134				1.76E+02	
HC12BP1BAA	12BP	11/01/02	IM40MB	NICKEL	5.6	MG/KG	0.25	0.5	10				1.56E+02	
HC12BP1BAA	12BP	11/01/02	IM40MB	POTASSIUM	436	MG/KG	0.25	0.5	766					

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HC12BP1BAA	12BP	11/01/02	IM40MB	SELENIUM	1.2 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BP1BAA	12BP	11/01/02	IM40MB	SILVER	0.44 J	MG/KG	0.25	0.5					3.91E+01	
HC12BP1BAA	12BP	11/01/02	IM40MB	THALLIUM	1.4 J	MG/KG	0.25	0.5					5.20E-01	X
HC12BP1BAA	12BP	11/01/02	IM40MB	VANADIUM	17.7	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BP1BAA	12BP	11/01/02	IM40MB	ZINC	15	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BP1BAA	12BP	11/01/02	SW8270	{ND on all 78} analytes			0.25	0.5						
HC12BP1CAA	12BP	11/01/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BP1CAA	12BP	11/01/02	8330N	{ND on all 19} analytes			0.5	1						
HC12BP1CAA	12BP	11/01/02	D2216M	MOISTURE	14.5 *	PERCENT	0.5	1						
HC12BP1CAA	12BP	11/01/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BP1CAA	12BP	11/01/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BP1CAA	12BP	11/01/02	IM40MB	ALUMINUM	10300	MG/KG	0.5	1	16019				7.61E+03	X
HC12BP1CAA	12BP	11/01/02	IM40MB	ARSENIC	3.5 J	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BP1CAA	12BP	11/01/02	IM40MB	BARIUM	10.9	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BP1CAA	12BP	11/01/02	IM40MB	BERYLLIUM	0.17 J	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BP1CAA	12BP	11/01/02	IM40MB	CALCIUM	105	MG/KG	0.5	1	288					
HC12BP1CAA	12BP	11/01/02	IM40MB	CHROMIUM, TOTAL	11.6	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BP1CAA	12BP	11/01/02	IM40MB	COBALT	3.2	MG/KG	0.5	1	4				9.03E+02	
HC12BP1CAA	12BP	11/01/02	IM40MB	COPPER	3.6	MG/KG	0.5	1	11				3.13E+02	
HC12BP1CAA	12BP	11/01/02	IM40MB	IRON	10300	MG/KG	0.5	1	17800				2.35E+03	X
HC12BP1CAA	12BP	11/01/02	IM40MB	LEAD	7.3	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BP1CAA	12BP	11/01/02	IM40MB	MAGNESIUM	1160	MG/KG	0.5	1	2010					
HC12BP1CAA	12BP	11/01/02	IM40MB	MANGANESE	64.6 J	MG/KG	0.5	1	134				1.76E+02	
HC12BP1CAA	12BP	11/01/02	IM40MB	NICKEL	6.5	MG/KG	0.5	1	10				1.56E+02	
HC12BP1CAA	12BP	11/01/02	IM40MB	POTASSIUM	494	MG/KG	0.5	1	766					
HC12BP1CAA	12BP	11/01/02	IM40MB	VANADIUM	17.1	MG/KG	0.5	1	28.8				5.48E+01	
HC12BP1CAA	12BP	11/01/02	IM40MB	ZINC	17.3	MG/KG	0.5	1	25.6				2.35E+03	
HC12BP1CAA	12BP	11/01/02	SW8270	{ND on all 78} analytes			0.5	1						
HC12BQ1AAA	12BQ	10/30/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BQ1AAA	12BQ	10/30/02	D2216M	MOISTURE	24.3 *	PERCENT	0	0.25						
HC12BQ1AAA	12BQ	10/30/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BQ1AAA	12BQ	10/30/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BQ1AAA	12BQ	10/30/02	IM40MB	ALUMINUM	9290	MG/KG	0	0.25	16019				7.61E+03	X
HC12BQ1AAA	12BQ	10/30/02	IM40MB	ARSENIC	5	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BQ1AAA	12BQ	10/30/02	IM40MB	BARIUM	11.5	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BQ1AAA	12BQ	10/30/02	IM40MB	BERYLLIUM	0.18	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BQ1AAA	12BQ	10/30/02	IM40MB	BORON	3.7	MG/KG	0	0.25	9.6				1.56E+03	
HC12BQ1AAA	12BQ	10/30/02	IM40MB	CALCIUM	102	MG/KG	0	0.25	288					
HC12BQ1AAA	12BQ	10/30/02	IM40MB	CHROMIUM, TOTAL	10	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BQ1AAA	12BQ	10/30/02	IM40MB	COBALT	1.5	MG/KG	0	0.25	4				9.03E+02	
HC12BQ1AAA	12BQ	10/30/02	IM40MB	IRON	16000	MG/KG	0	0.25	17800				2.35E+03	X
HC12BQ1AAA	12BQ	10/30/02	IM40MB	LEAD	8.1 J	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BQ1AAA	12BQ	10/30/02	IM40MB	MAGNESIUM	542	MG/KG	0	0.25	2010					
HC12BQ1AAA	12BQ	10/30/02	IM40MB	MANGANESE	27.7	MG/KG	0	0.25	134				1.76E+02	

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BQ1AAA	12BQ	10/30/02	IM40MB	POTASSIUM	458	MG/KG	0	0.25	766					
HC12BQ1AAA	12BQ	10/30/02	IM40MB	VANADIUM	25.8	MG/KG	0	0.25	28.8				5.48E+01	
HC12BQ1AAA	12BQ	10/30/02	IM40MB	ZINC	10.2	MG/KG	0	0.25	25.6				2.35E+03	
HC12BQ1AAA	12BQ	10/30/02	SW8270	BENZO(A)ANTHRACENE	20 J	UG/KG	0	0.25	460		7.00E+03		6.21E+02	
HC12BQ1AAA	12BQ	10/30/02	SW8270	BENZO(A)PYRENE	28 J	UG/KG	0	0.25	460		2.00E+03		6.22E+01	
HC12BQ1AAA	12BQ	10/30/02	SW8270	BENZO(B)FLUORANTHENE	33 J	UG/KG	0	0.25	460		7.00E+03		6.21E+02	
HC12BQ1AAA	12BQ	10/30/02	SW8270	BENZO(K)FLUORANTHENE	39 J	UG/KG	0	0.25	460		7.00E+04		6.21E+03	
HC12BQ1AAA	12BQ	10/30/02	SW8270	BENZOIC ACID	130 J	UG/KG	0	0.25					1.00E+08	
HC12BQ1AAA	12BQ	10/30/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	24 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BQ1AAA	12BQ	10/30/02	SW8270	CHRYSENE	38 J	UG/KG	0	0.25	460		7.00E+04		6.21E+04	
HC12BQ1AAA	12BQ	10/30/02	SW8270	FLUORANTHENE	37 J	UG/KG	0	0.25	460		1.00E+06		2.29E+05	
HC12BQ1AAA	12BQ	10/30/02	SW8270	PHENANTHRENE	41 J	UG/KG	0	0.25	460				2.19E+06	
HC12BQ1AAA	12BQ	10/30/02	SW8270	PYRENE	63 J	UG/KG	0	0.25	460				2.32E+05	
HC12BQ1BAA	12BQ	10/30/02	8321D	{ND on all 4} analytes				0.25	0.5					
HC12BQ1BAA	12BQ	10/30/02	8330LN	{ND on all 19} analytes				0.25	0.5					
HC12BQ1BAA	12BQ	10/30/02	D2216M	MOISTURE	23.8 *	PERCENT		0.25	0.5					
HC12BQ1BAA	12BQ	10/30/02	E314.0	{ND on all 1} analytes				0.25	0.5					
HC12BQ1BAA	12BQ	10/30/02	IM40HG	{ND on all 1} analytes				0.25	0.5					
HC12BQ1BAA	12BQ	10/30/02	IM40MB	ALUMINUM	12600	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BQ1BAA	12BQ	10/30/02	IM40MB	ARSENIC	4.4	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BQ1BAA	12BQ	10/30/02	IM40MB	BARIUM	13.6	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	BERYLLIUM	0.29	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	BORON	4.1	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	CALCIUM	147	MG/KG	0.25	0.5	288					
HC12BQ1BAA	12BQ	10/30/02	IM40MB	CHROMIUM, TOTAL	12.6	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	COBALT	1.9	MG/KG	0.25	0.5	4				9.03E+02	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	IRON	15200	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BQ1BAA	12BQ	10/30/02	IM40MB	LEAD	11.5 J	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	MAGNESIUM	663	MG/KG	0.25	0.5	2010					
HC12BQ1BAA	12BQ	10/30/02	IM40MB	MANGANESE	33.5	MG/KG	0.25	0.5	134				1.76E+02	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	NICKEL	4.6 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	POTASSIUM	486	MG/KG	0.25	0.5	766					
HC12BQ1BAA	12BQ	10/30/02	IM40MB	VANADIUM	27.5	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BQ1BAA	12BQ	10/30/02	IM40MB	ZINC	13.8	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BQ1BAA	12BQ	10/30/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BQ1CAA	12BQ	10/30/02	8321D	{ND on all 4} analytes				0.5	1					
HC12BQ1CAA	12BQ	10/30/02	8330LN	{ND on all 19} analytes				0.5	1					
HC12BQ1CAA	12BQ	10/30/02	D2216M	MOISTURE	19.5 *	PERCENT		0.5	1					
HC12BQ1CAA	12BQ	10/30/02	E314.0	{ND on all 1} analytes				0.5	1					
HC12BQ1CAA	12BQ	10/30/02	IM40HG	{ND on all 1} analytes				0.5	1					
HC12BQ1CAA	12BQ	10/30/02	IM40MB	ALUMINUM	15300	MG/KG	0.5	1	16019				7.61E+03	X
HC12BQ1CAA	12BQ	10/30/02	IM40MB	ARSENIC	4.6	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BQ1CAA	12BQ	10/30/02	IM40MB	BARIUM	12.5	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BQ1CAA	12BQ	10/30/02	IM40MB	BERYLLIUM	0.35	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BQ1CAA	12BQ	10/30/02	IM40MB	BORON	3.9	MG/KG	0.5	1	9.6				1.56E+03	
HC12BQ1CAA	12BQ	10/30/02	IM40MB	CALCIUM	110	MG/KG	0.5	1	288					
HC12BQ1CAA	12BQ	10/30/02	IM40MB	CHROMIUM, TOTAL	16.3	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BQ1CAA	12BQ	10/30/02	IM40MB	COBALT	2.8	MG/KG	0.5	1	4				9.03E+02	
HC12BQ1CAA	12BQ	10/30/02	IM40MB	IRON	14500	MG/KG	0.5	1	17800				2.35E+03	X
HC12BQ1CAA	12BQ	10/30/02	IM40MB	LEAD	8.1 J	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BQ1CAA	12BQ	10/30/02	IM40MB	MAGNESIUM	1020	MG/KG	0.5	1	2010					
HC12BQ1CAA	12BQ	10/30/02	IM40MB	MANGANESE	45.6	MG/KG	0.5	1	134				1.76E+02	
HC12BQ1CAA	12BQ	10/30/02	IM40MB	NICKEL	6.1 J	MG/KG	0.5	1	10				1.56E+02	
HC12BQ1CAA	12BQ	10/30/02	IM40MB	POTASSIUM	523	MG/KG	0.5	1	766					
HC12BQ1CAA	12BQ	10/30/02	IM40MB	VANADIUM	23.9	MG/KG	0.5	1	28.8				5.48E+01	
HC12BQ1CAA	12BQ	10/30/02	IM40MB	ZINC	14.4	MG/KG	0.5	1	25.6				2.35E+03	
HC12BQ1CAA	12BQ	10/30/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BR1AAA	12BR	10/29/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BR1AAA	12BR	10/29/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BR1AAA	12BR	10/29/02	D2216M	MOISTURE	20.6 *	PERCENT	0	0.25						
HC12BR1AAA	12BR	10/29/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BR1AAA	12BR	10/29/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BR1AAA	12BR	10/29/02	IM40MB	ALUMINUM	10200	MG/KG	0	0.25	16019				7.61E+03	X
HC12BR1AAA	12BR	10/29/02	IM40MB	ARSENIC	5.8	MG/KG	0	0.25	5.5	X	2.00E+01		2.16E+00	X
HC12BR1AAA	12BR	10/29/02	IM40MB	BARIUM	13	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BR1AAA	12BR	10/29/02	IM40MB	BERYLLIUM	0.16	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BR1AAA	12BR	10/29/02	IM40MB	BORON	3.8	MG/KG	0	0.25	9.6				1.56E+03	
HC12BR1AAA	12BR	10/29/02	IM40MB	CALCIUM	116	MG/KG	0	0.25	288					
HC12BR1AAA	12BR	10/29/02	IM40MB	CHROMIUM, TOTAL	11.4	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BR1AAA	12BR	10/29/02	IM40MB	COBALT	1.7	MG/KG	0	0.25	4				9.03E+02	
HC12BR1AAA	12BR	10/29/02	IM40MB	COPPER	5.2	MG/KG	0	0.25	11				3.13E+02	
HC12BR1AAA	12BR	10/29/02	IM40MB	IRON	17100	MG/KG	0	0.25	17800				2.35E+03	X
HC12BR1AAA	12BR	10/29/02	IM40MB	LEAD	16.2 J	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BR1AAA	12BR	10/29/02	IM40MB	MAGNESIUM	635	MG/KG	0	0.25	2010					
HC12BR1AAA	12BR	10/29/02	IM40MB	MANGANESE	33.5	MG/KG	0	0.25	134				1.76E+02	
HC12BR1AAA	12BR	10/29/02	IM40MB	NICKEL	3.1 J	MG/KG	0	0.25	10				1.56E+02	
HC12BR1AAA	12BR	10/29/02	IM40MB	POTASSIUM	424	MG/KG	0	0.25	766					
HC12BR1AAA	12BR	10/29/02	IM40MB	SELENIUM	1.1 J	MG/KG	0	0.25	1.7				3.91E+01	
HC12BR1AAA	12BR	10/29/02	IM40MB	VANADIUM	29.1	MG/KG	0	0.25	28.8	X			5.48E+01	
HC12BR1AAA	12BR	10/29/02	IM40MB	ZINC	12.1	MG/KG	0	0.25	25.6				2.35E+03	
HC12BR1AAA	12BR	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	22 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BR1AAA	12BR	10/29/02	SW8270	PYRENE	28 J	UG/KG	0	0.25	460				2.32E+05	
HC12BR1BAA	12BR	10/29/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BR1BAA	12BR	10/29/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BR1BAA	12BR	10/29/02	D2216M	MOISTURE	22.1 *	PERCENT	0.25	0.5						
HC12BR1BAA	12BR	10/29/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BR1BAA	12BR	10/29/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BR1BAA	12BR	10/29/02	IM40MB	ALUMINUM	16400	MG/KG	0.25	0.5	16019	X			7.61E+03	X

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AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BR1BAA	12BR	10/29/02	IM40MB	ARSENIC	5.3	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BR1BAA	12BR	10/29/02	IM40MB	BARIUM	13.4	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BR1BAA	12BR	10/29/02	IM40MB	BERYLLIUM	0.27	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BR1BAA	12BR	10/29/02	IM40MB	BORON	3.9	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BR1BAA	12BR	10/29/02	IM40MB	CALCIUM	117	MG/KG	0.25	0.5	288					
HC12BR1BAA	12BR	10/29/02	IM40MB	CHROMIUM, TOTAL	16.3	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BR1BAA	12BR	10/29/02	IM40MB	COBALT	2.7	MG/KG	0.25	0.5	4				9.03E+02	
HC12BR1BAA	12BR	10/29/02	IM40MB	IRON	15400	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BR1BAA	12BR	10/29/02	IM40MB	LEAD	11.5 J	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BR1BAA	12BR	10/29/02	IM40MB	MAGNESIUM	1080	MG/KG	0.25	0.5	2010					
HC12BR1BAA	12BR	10/29/02	IM40MB	MANGANESE	55.4	MG/KG	0.25	0.5	134				1.76E+02	
HC12BR1BAA	12BR	10/29/02	IM40MB	NICKEL	5.7 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BR1BAA	12BR	10/29/02	IM40MB	POTASSIUM	484	MG/KG	0.25	0.5	766					
HC12BR1BAA	12BR	10/29/02	IM40MB	SELENIUM	1.1 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BR1BAA	12BR	10/29/02	IM40MB	VANADIUM	25.6	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BR1BAA	12BR	10/29/02	IM40MB	ZINC	16.4	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BR1BAA	12BR	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	31 J	UG/KG	0.25	0.5			2.00E+05		3.47E+04	
HC12BR1CAA	12BR	10/29/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BR1CAA	12BR	10/29/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BR1CAA	12BR	10/29/02	D2216M	MOISTURE	18.8 *	PERCENT	0.5	1						
HC12BR1CAA	12BR	10/29/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BR1CAA	12BR	10/29/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BR1CAA	12BR	10/29/02	IM40MB	ALUMINUM	16600	MG/KG	0.5	1	16019	X			7.61E+03	X
HC12BR1CAA	12BR	10/29/02	IM40MB	ARSENIC	4.8	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BR1CAA	12BR	10/29/02	IM40MB	BARIUM	13	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BR1CAA	12BR	10/29/02	IM40MB	BERYLLIUM	0.3	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BR1CAA	12BR	10/29/02	IM40MB	BORON	4	MG/KG	0.5	1	9.6				1.56E+03	
HC12BR1CAA	12BR	10/29/02	IM40MB	CALCIUM	109	MG/KG	0.5	1	288					
HC12BR1CAA	12BR	10/29/02	IM40MB	CHROMIUM, TOTAL	17.7	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BR1CAA	12BR	10/29/02	IM40MB	COBALT	3.2	MG/KG	0.5	1	4				9.03E+02	
HC12BR1CAA	12BR	10/29/02	IM40MB	IRON	15000	MG/KG	0.5	1	17800				2.35E+03	X
HC12BR1CAA	12BR	10/29/02	IM40MB	LEAD	9.7 J	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BR1CAA	12BR	10/29/02	IM40MB	MAGNESIUM	1190	MG/KG	0.5	1	2010					
HC12BR1CAA	12BR	10/29/02	IM40MB	MANGANESE	66.3	MG/KG	0.5	1	134				1.76E+02	
HC12BR1CAA	12BR	10/29/02	IM40MB	NICKEL	6.6	MG/KG	0.5	1	10				1.56E+02	
HC12BR1CAA	12BR	10/29/02	IM40MB	POTASSIUM	499	MG/KG	0.5	1	766					
HC12BR1CAA	12BR	10/29/02	IM40MB	SELENIUM	1.3 J	MG/KG	0.5	1	1.7				3.91E+01	
HC12BR1CAA	12BR	10/29/02	IM40MB	VANADIUM	25.4	MG/KG	0.5	1	28.8				5.48E+01	
HC12BR1CAA	12BR	10/29/02	IM40MB	ZINC	16.6	MG/KG	0.5	1	25.6				2.35E+03	
HC12BR1CAA	12BR	10/29/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	37 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BS1AAA	12BS	10/30/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BS1AAA	12BS	10/30/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BS1AAA	12BS	10/30/02	D2216M	MOISTURE	15.8 *	PERCENT	0	0.25						
HC12BS1AAA	12BS	10/30/02	E314.0	{ND on all 1} analytes			0	0.25						

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BS1AAA	12BS	10/30/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BS1AAA	12BS	10/30/02	IM40MB	ALUMINUM	6960	MG/KG	0	0.25	16019				7.61E+03	
HC12BS1AAA	12BS	10/30/02	IM40MB	ARSENIC	3.2	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BS1AAA	12BS	10/30/02	IM40MB	BARIUM	14.8	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BS1AAA	12BS	10/30/02	IM40MB	BERYLLIUM	0.11	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BS1AAA	12BS	10/30/02	IM40MB	BORON	2.7	MG/KG	0	0.25	9.6				1.56E+03	
HC12BS1AAA	12BS	10/30/02	IM40MB	CALCIUM	132	MG/KG	0	0.25	288					
HC12BS1AAA	12BS	10/30/02	IM40MB	CHROMIUM, TOTAL	7.9	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BS1AAA	12BS	10/30/02	IM40MB	COBALT	1.5	MG/KG	0	0.25	4				9.03E+02	
HC12BS1AAA	12BS	10/30/02	IM40MB	IRON	9760	MG/KG	0	0.25	17800				2.35E+03	X
HC12BS1AAA	12BS	10/30/02	IM40MB	LEAD	20.9	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12BS1AAA	12BS	10/30/02	IM40MB	MAGNESIUM	513	MG/KG	0	0.25	2010					
HC12BS1AAA	12BS	10/30/02	IM40MB	MANGANESE	28.2	MG/KG	0	0.25	134				1.76E+02	
HC12BS1AAA	12BS	10/30/02	IM40MB	MOLYBDENUM	0.69	MG/KG	0	0.25	1.2				3.91E+01	
HC12BS1AAA	12BS	10/30/02	IM40MB	NICKEL	3.5 J	MG/KG	0	0.25	10				1.56E+02	
HC12BS1AAA	12BS	10/30/02	IM40MB	POTASSIUM	316	MG/KG	0	0.25	766					
HC12BS1AAA	12BS	10/30/02	IM40MB	VANADIUM	22.4	MG/KG	0	0.25	28.8				5.48E+01	
HC12BS1AAA	12BS	10/30/02	IM40MB	ZINC	16.3	MG/KG	0	0.25	25.6				2.35E+03	
HC12BS1BAA	12BS	10/30/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BS1BAA	12BS	10/30/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BS1BAA	12BS	10/30/02	D2216M	MOISTURE	24.6 *	PERCENT	0.25	0.5						
HC12BS1BAA	12BS	10/30/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BS1BAA	12BS	10/30/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BS1BAA	12BS	10/30/02	IM40MB	ALUMINUM	16100	MG/KG	0.25	0.5	16019	X			7.61E+03	X
HC12BS1BAA	12BS	10/30/02	IM40MB	ARSENIC	4.8	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BS1BAA	12BS	10/30/02	IM40MB	BARIUM	16.5	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BS1BAA	12BS	10/30/02	IM40MB	BERYLLIUM	0.27	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BS1BAA	12BS	10/30/02	IM40MB	BORON	3.3	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BS1BAA	12BS	10/30/02	IM40MB	CALCIUM	130	MG/KG	0.25	0.5	288					
HC12BS1BAA	12BS	10/30/02	IM40MB	CHROMIUM, TOTAL	14.8	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BS1BAA	12BS	10/30/02	IM40MB	COBALT	2.4	MG/KG	0.25	0.5	4				9.03E+02	
HC12BS1BAA	12BS	10/30/02	IM40MB	IRON	14500	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BS1BAA	12BS	10/30/02	IM40MB	LEAD	11.5	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BS1BAA	12BS	10/30/02	IM40MB	MAGNESIUM	740	MG/KG	0.25	0.5	2010					
HC12BS1BAA	12BS	10/30/02	IM40MB	MANGANESE	36.5	MG/KG	0.25	0.5	134				1.76E+02	
HC12BS1BAA	12BS	10/30/02	IM40MB	MOLYBDENUM	0.77	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BS1BAA	12BS	10/30/02	IM40MB	NICKEL	5.8 J	MG/KG	0.25	0.5	10				1.56E+02	
HC12BS1BAA	12BS	10/30/02	IM40MB	POTASSIUM	409	MG/KG	0.25	0.5	766					
HC12BS1BAA	12BS	10/30/02	IM40MB	SELENIUM	1.4	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BS1BAA	12BS	10/30/02	IM40MB	VANADIUM	23.7	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BS1BAA	12BS	10/30/02	IM40MB	ZINC	17.8	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BS1CAA	12BS	10/30/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BS1CAA	12BS	10/30/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BS1CAA	12BS	10/30/02	D2216M	MOISTURE	23.2 *	PERCENT	0.5	1						

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BS1CAA	12BS	10/30/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BS1CAA	12BS	10/30/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BS1CAA	12BS	10/30/02	IM40MB	ALUMINUM	15600	MG/KG	0.5	1	16019				7.61E+03	X
HC12BS1CAA	12BS	10/30/02	IM40MB	ARSENIC	4.9	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BS1CAA	12BS	10/30/02	IM40MB	BARIUM	14.1	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BS1CAA	12BS	10/30/02	IM40MB	BERYLLIUM	0.25	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BS1CAA	12BS	10/30/02	IM40MB	BORON	3.1	MG/KG	0.5	1	9.6				1.56E+03	
HC12BS1CAA	12BS	10/30/02	IM40MB	CALCIUM	97.1	MG/KG	0.5	1	288					
HC12BS1CAA	12BS	10/30/02	IM40MB	CHROMIUM, TOTAL	16.3	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BS1CAA	12BS	10/30/02	IM40MB	COBALT	2.9	MG/KG	0.5	1	4				9.03E+02	
HC12BS1CAA	12BS	10/30/02	IM40MB	IRON	15000	MG/KG	0.5	1	17800				2.35E+03	X
HC12BS1CAA	12BS	10/30/02	IM40MB	LEAD	9.3	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BS1CAA	12BS	10/30/02	IM40MB	MAGNESIUM	1010	MG/KG	0.5	1	2010					
HC12BS1CAA	12BS	10/30/02	IM40MB	MANGANESE	44.2	MG/KG	0.5	1	134				1.76E+02	
HC12BS1CAA	12BS	10/30/02	IM40MB	MOLYBDENUM	0.9	MG/KG	0.5	1	1.2				3.91E+01	
HC12BS1CAA	12BS	10/30/02	IM40MB	NICKEL	6.6	MG/KG	0.5	1	10				1.56E+02	
HC12BS1CAA	12BS	10/30/02	IM40MB	POTASSIUM	401	MG/KG	0.5	1	766					
HC12BS1CAA	12BS	10/30/02	IM40MB	VANADIUM	24.4	MG/KG	0.5	1	28.8				5.48E+01	
HC12BS1CAA	12BS	10/30/02	IM40MB	ZINC	16.3	MG/KG	0.5	1	25.6				2.35E+03	
HC12BT1AAA	12BT	10/31/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BT1AAA	12BT	10/31/02	8330LN	{ND on all 19} analytes			0	0.25						
HC12BT1AAA	12BT	10/31/02	D2216M	MOISTURE	23.7 *	PERCENT	0	0.25						
HC12BT1AAA	12BT	10/31/02	E314.0	{ND on all 1} analytes			0	0.25						
HC12BT1AAA	12BT	10/31/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BT1AAA	12BT	10/31/02	IM40MB	ALUMINUM	11800	MG/KG	0	0.25	16019				7.61E+03	X
HC12BT1AAA	12BT	10/31/02	IM40MB	ARSENIC	4.8	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BT1AAA	12BT	10/31/02	IM40MB	BARIUM	26	MG/KG	0	0.25	24	X	1.00E+03		5.37E+02	
HC12BT1AAA	12BT	10/31/02	IM40MB	BERYLLIUM	0.34	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BT1AAA	12BT	10/31/02	IM40MB	BORON	3.3	MG/KG	0	0.25	9.6				1.56E+03	
HC12BT1AAA	12BT	10/31/02	IM40MB	CALCIUM	201	MG/KG	0	0.25	288					
HC12BT1AAA	12BT	10/31/02	IM40MB	CHROMIUM, TOTAL	13.2	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BT1AAA	12BT	10/31/02	IM40MB	COBALT	3.2	MG/KG	0	0.25	4				9.03E+02	
HC12BT1AAA	12BT	10/31/02	IM40MB	IRON	14200	MG/KG	0	0.25	17800				2.35E+03	X
HC12BT1AAA	12BT	10/31/02	IM40MB	LEAD	13.5	MG/KG	0	0.25	19		3.00E+02		4.00E+01	
HC12BT1AAA	12BT	10/31/02	IM40MB	MAGNESIUM	1130	MG/KG	0	0.25	2010					
HC12BT1AAA	12BT	10/31/02	IM40MB	MANGANESE	68	MG/KG	0	0.25	134				1.76E+02	
HC12BT1AAA	12BT	10/31/02	IM40MB	MOLYBDENUM	0.91	MG/KG	0	0.25	1.2				3.91E+01	
HC12BT1AAA	12BT	10/31/02	IM40MB	NICKEL	5.6 J	MG/KG	0	0.25	10				1.56E+02	
HC12BT1AAA	12BT	10/31/02	IM40MB	POTASSIUM	481	MG/KG	0	0.25	766					
HC12BT1AAA	12BT	10/31/02	IM40MB	SELENIUM	1.2 J	MG/KG	0	0.25	1.7				3.91E+01	
HC12BT1AAA	12BT	10/31/02	IM40MB	VANADIUM	25.1	MG/KG	0	0.25	28.8				5.48E+01	
HC12BT1AAA	12BT	10/31/02	IM40MB	ZINC	20.4	MG/KG	0	0.25	25.6				2.35E+03	
HC12BT1AAA	12BT	10/31/02	SW8270	{ND on all 78} analytes			0	0.25						
HC12BT1BAA	12BT	10/31/02	8321D	{ND on all 4} analytes			0.25	0.5						

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BT1BAA	12BT	10/31/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BT1BAA	12BT	10/31/02	D2216M	MOISTURE	21.4 *	PERCENT	0.25	0.5						
HC12BT1BAA	12BT	10/31/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BT1BAA	12BT	10/31/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BT1BAA	12BT	10/31/02	IM40MB	ALUMINUM	16500	MG/KG	0.25	0.5	16019	X			7.61E+03	X
HC12BT1BAA	12BT	10/31/02	IM40MB	ARSENIC	5.3	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BT1BAA	12BT	10/31/02	IM40MB	BARIIUM	15.2	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BT1BAA	12BT	10/31/02	IM40MB	BERYLLIUM	0.29	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BT1BAA	12BT	10/31/02	IM40MB	BORON	3.3	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BT1BAA	12BT	10/31/02	IM40MB	CALCIUM	107	MG/KG	0.25	0.5	288					
HC12BT1BAA	12BT	10/31/02	IM40MB	CHROMIUM, TOTAL	18.1	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BT1BAA	12BT	10/31/02	IM40MB	COBALT	4	MG/KG	0.25	0.5	4				9.03E+02	
HC12BT1BAA	12BT	10/31/02	IM40MB	IRON	14700	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BT1BAA	12BT	10/31/02	IM40MB	LEAD	9.2	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BT1BAA	12BT	10/31/02	IM40MB	MAGNESIUM	1300	MG/KG	0.25	0.5	2010					
HC12BT1BAA	12BT	10/31/02	IM40MB	MANGANESE	60	MG/KG	0.25	0.5	134				1.76E+02	
HC12BT1BAA	12BT	10/31/02	IM40MB	MOLYBDENUM	0.7	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BT1BAA	12BT	10/31/02	IM40MB	NICKEL	7.6	MG/KG	0.25	0.5	10				1.56E+02	
HC12BT1BAA	12BT	10/31/02	IM40MB	POTASSIUM	497	MG/KG	0.25	0.5	766					
HC12BT1BAA	12BT	10/31/02	IM40MB	SELENIUM	1.1 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BT1BAA	12BT	10/31/02	IM40MB	VIADADIUM	23.5	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BT1BAA	12BT	10/31/02	IM40MB	ZINC	17.2	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BT1BAA	12BT	10/31/02	SW8270	{ND on all 78} analytes			0.25	0.5						
HC12BT1BAD	12BT	10/31/02	8321D	{ND on all 4} analytes			0.25	0.5						
HC12BT1BAD	12BT	10/31/02	8330LN	{ND on all 19} analytes			0.25	0.5						
HC12BT1BAD	12BT	10/31/02	D2216M	MOISTURE	21.5 *	PERCENT	0.25	0.5						
HC12BT1BAD	12BT	10/31/02	E314.0	{ND on all 1} analytes			0.25	0.5						
HC12BT1BAD	12BT	10/31/02	IM40HG	{ND on all 1} analytes			0.25	0.5						
HC12BT1BAD	12BT	10/31/02	IM40MB	ALUMINUM	16800	MG/KG	0.25	0.5	16019	X			7.61E+03	X
HC12BT1BAD	12BT	10/31/02	IM40MB	ARSENIC	6.2	MG/KG	0.25	0.5	5.5	X	2.00E+01		2.16E+00	X
HC12BT1BAD	12BT	10/31/02	IM40MB	BARIIUM	17.1	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BT1BAD	12BT	10/31/02	IM40MB	BERYLLIUM	0.31	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BT1BAD	12BT	10/31/02	IM40MB	BORON	3.5	MG/KG	0.25	0.5	9.6				1.56E+03	
HC12BT1BAD	12BT	10/31/02	IM40MB	CALCIUM	125	MG/KG	0.25	0.5	288					
HC12BT1BAD	12BT	10/31/02	IM40MB	CHROMIUM, TOTAL	19.5	MG/KG	0.25	0.5	19	X	3.00E+01		2.11E+02	
HC12BT1BAD	12BT	10/31/02	IM40MB	COBALT	4.4	MG/KG	0.25	0.5	4	X			9.03E+02	
HC12BT1BAD	12BT	10/31/02	IM40MB	IRON	15500	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BT1BAD	12BT	10/31/02	IM40MB	LEAD	9.3	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BT1BAD	12BT	10/31/02	IM40MB	MAGNESIUM	1530	MG/KG	0.25	0.5	2010					
HC12BT1BAD	12BT	10/31/02	IM40MB	MANGANESE	69.1	MG/KG	0.25	0.5	134				1.76E+02	
HC12BT1BAD	12BT	10/31/02	IM40MB	MOLYBDENUM	0.71	MG/KG	0.25	0.5	1.2				3.91E+01	
HC12BT1BAD	12BT	10/31/02	IM40MB	NICKEL	8.4	MG/KG	0.25	0.5	10				1.56E+02	
HC12BT1BAD	12BT	10/31/02	IM40MB	POTASSIUM	569	MG/KG	0.25	0.5	766					
HC12BT1BAD	12BT	10/31/02	IM40MB	SELENIUM	0.91 J	MG/KG	0.25	0.5	1.7				3.91E+01	

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Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BT1BAD	12BT	10/31/02	IM40MB	VANADIUM	25	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BT1BAD	12BT	10/31/02	IM40MB	ZINC	20.6	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BT1BAD	12BT	10/31/02	SW8270	{ND on all 78} analytes			0.25	0.5						
HC12BT1CAA	12BT	10/31/02	8321D	{ND on all 4} analytes			0.5	1						
HC12BT1CAA	12BT	10/31/02	8330LN	{ND on all 19} analytes			0.5	1						
HC12BT1CAA	12BT	10/31/02	D2216M	MOISTURE	18.9 *	PERCENT	0.5	1						
HC12BT1CAA	12BT	10/31/02	E314.0	{ND on all 1} analytes			0.5	1						
HC12BT1CAA	12BT	10/31/02	IM40HG	{ND on all 1} analytes			0.5	1						
HC12BT1CAA	12BT	10/31/02	IM40MB	ALUMINUM	15800	MG/KG	0.5	1	16019				7.61E+03	X
HC12BT1CAA	12BT	10/31/02	IM40MB	ARSENIC	5.2	MG/KG	0.5	1	5.5		2.00E+01		2.16E+00	X
HC12BT1CAA	12BT	10/31/02	IM40MB	BARIUM	20.7	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BT1CAA	12BT	10/31/02	IM40MB	BERYLLIUM	0.35	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BT1CAA	12BT	10/31/02	IM40MB	BORON	4.1	MG/KG	0.5	1	9.6				1.56E+03	
HC12BT1CAA	12BT	10/31/02	IM40MB	CALCIUM	127	MG/KG	0.5	1	288					
HC12BT1CAA	12BT	10/31/02	IM40MB	CHROMIUM, TOTAL	19.9	MG/KG	0.5	1	19	X	3.00E+01		2.11E+02	
HC12BT1CAA	12BT	10/31/02	IM40MB	COBALT	5.5	MG/KG	0.5	1	4	X			9.03E+02	
HC12BT1CAA	12BT	10/31/02	IM40MB	IRON	15800	MG/KG	0.5	1	17800				2.35E+03	X
HC12BT1CAA	12BT	10/31/02	IM40MB	LEAD	8.7	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BT1CAA	12BT	10/31/02	IM40MB	MAGNESIUM	2330	MG/KG	0.5	1	2010	X				
HC12BT1CAA	12BT	10/31/02	IM40MB	MANGANESE	98	MG/KG	0.5	1	134				1.76E+02	
HC12BT1CAA	12BT	10/31/02	IM40MB	MOLYBDENUM	0.24 J	MG/KG	0.5	1	1.2				3.91E+01	
HC12BT1CAA	12BT	10/31/02	IM40MB	NICKEL	9.8	MG/KG	0.5	1	10				1.56E+02	
HC12BT1CAA	12BT	10/31/02	IM40MB	POTASSIUM	779	MG/KG	0.5	1	766	X				
HC12BT1CAA	12BT	10/31/02	IM40MB	VANADIUM	25.2	MG/KG	0.5	1	28.8				5.48E+01	
HC12BT1CAA	12BT	10/31/02	IM40MB	ZINC	23.2	MG/KG	0.5	1	25.6				2.35E+03	
HC12BT1CAA	12BT	10/31/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	20 J	UG/KG	0.5	1			2.00E+05		3.47E+04	
HC12BU1AAA	12BU	11/01/02	8321D	{ND on all 4} analytes			0	0.25						
HC12BU1AAA	12BU	11/01/02	8330N	{ND on all 19} analytes			0	0.25						
HC12BU1AAA	12BU	11/01/02	D2216M	MOISTURE	11.4 *	PERCENT	0	0.25						
HC12BU1AAA	12BU	11/01/02	E314.0	PERCHLORATE	2.98 J	UG/KG	0	0.25					7.82E+03	
HC12BU1AAA	12BU	11/01/02	IM40HG	{ND on all 1} analytes			0	0.25						
HC12BU1AAA	12BU	11/01/02	IM40MB	ALUMINUM	8520	MG/KG	0	0.25	16019				7.61E+03	X
HC12BU1AAA	12BU	11/01/02	IM40MB	ARSENIC	3.9 J	MG/KG	0	0.25	5.5		2.00E+01		2.16E+00	X
HC12BU1AAA	12BU	11/01/02	IM40MB	BARIUM	13.1	MG/KG	0	0.25	24		1.00E+03		5.37E+02	
HC12BU1AAA	12BU	11/01/02	IM40MB	BERYLLIUM	0.16 J	MG/KG	0	0.25	0.38		1.00E+02		1.54E+01	
HC12BU1AAA	12BU	11/01/02	IM40MB	CALCIUM	203	MG/KG	0	0.25	288					
HC12BU1AAA	12BU	11/01/02	IM40MB	CHROMIUM, TOTAL	16.9	MG/KG	0	0.25	19		3.00E+01		2.11E+02	
HC12BU1AAA	12BU	11/01/02	IM40MB	COBALT	3.8	MG/KG	0	0.25	4				9.03E+02	
HC12BU1AAA	12BU	11/01/02	IM40MB	COPPER	8.6	MG/KG	0	0.25	11				3.13E+02	
HC12BU1AAA	12BU	11/01/02	IM40MB	IRON	11200	MG/KG	0	0.25	17800				2.35E+03	X
HC12BU1AAA	12BU	11/01/02	IM40MB	LEAD	31.8	MG/KG	0	0.25	19	X	3.00E+02		4.00E+01	
HC12BU1AAA	12BU	11/01/02	IM40MB	MAGNESIUM	1180	MG/KG	0	0.25	2010					
HC12BU1AAA	12BU	11/01/02	IM40MB	MANGANESE	79 J	MG/KG	0	0.25	134				1.76E+02	
HC12BU1AAA	12BU	11/01/02	IM40MB	NICKEL	6.4	MG/KG	0	0.25	10				1.56E+02	

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BU1AAA	12BU	11/01/02	IM40MB	POTASSIUM	523	MG/KG	0	0.25	766					
HC12BU1AAA	12BU	11/01/02	IM40MB	SILVER	0.45 J	MG/KG	0	0.25					3.91E+01	
HC12BU1AAA	12BU	11/01/02	IM40MB	VANADIUM	18.9	MG/KG	0	0.25	28.8				5.48E+01	
HC12BU1AAA	12BU	11/01/02	IM40MB	ZINC	18.2	MG/KG	0	0.25	25.6				2.35E+03	
HC12BU1AAA	12BU	11/01/02	SW8270	BENZOIC ACID	44 J	UG/KG	0	0.25					1.00E+08	
HC12BU1AAA	12BU	11/01/02	SW8270	BIS(2-ETHYLHEXYL) PHTHALATE	23 J	UG/KG	0	0.25			2.00E+05		3.47E+04	
HC12BU1AAA	12BU	11/01/02	SW8270	DI-N-BUTYL PHTHALATE	96 J	UG/KG	0	0.25					6.11E+05	
HC12BU1BAA	12BU	11/01/02	8321D	{ND on all 4} analytes				0.25	0.5					
HC12BU1BAA	12BU	11/01/02	8330N	{ND on all 19} analytes				0.25	0.5					
HC12BU1BAA	12BU	11/01/02	D2216M	MOISTURE	10.8 *	PERCENT		0.25	0.5					
HC12BU1BAA	12BU	11/01/02	E314.0	PERCHLORATE	3.96 J	UG/KG		0.25	0.5				7.82E+03	
HC12BU1BAA	12BU	11/01/02	IM40HG	{ND on all 1} analytes				0.25	0.5					
HC12BU1BAA	12BU	11/01/02	IM40MB	ALUMINUM	8800	MG/KG	0.25	0.5	16019				7.61E+03	X
HC12BU1BAA	12BU	11/01/02	IM40MB	ARSENIC	3.7 J	MG/KG	0.25	0.5	5.5		2.00E+01		2.16E+00	X
HC12BU1BAA	12BU	11/01/02	IM40MB	BARIUM	12.6	MG/KG	0.25	0.5	24		1.00E+03		5.37E+02	
HC12BU1BAA	12BU	11/01/02	IM40MB	BERYLLIUM	0.2 J	MG/KG	0.25	0.5	0.38		1.00E+02		1.54E+01	
HC12BU1BAA	12BU	11/01/02	IM40MB	CALCIUM	136	MG/KG	0.25	0.5	288					
HC12BU1BAA	12BU	11/01/02	IM40MB	CHROMIUM, TOTAL	11.6	MG/KG	0.25	0.5	19		3.00E+01		2.11E+02	
HC12BU1BAA	12BU	11/01/02	IM40MB	COBALT	3.5	MG/KG	0.25	0.5	4				9.03E+02	
HC12BU1BAA	12BU	11/01/02	IM40MB	COPPER	4.8	MG/KG	0.25	0.5	11				3.13E+02	
HC12BU1BAA	12BU	11/01/02	IM40MB	IRON	10400	MG/KG	0.25	0.5	17800				2.35E+03	X
HC12BU1BAA	12BU	11/01/02	IM40MB	LEAD	9.6	MG/KG	0.25	0.5	19		3.00E+02		4.00E+01	
HC12BU1BAA	12BU	11/01/02	IM40MB	MAGNESIUM	1280	MG/KG	0.25	0.5	2010					
HC12BU1BAA	12BU	11/01/02	IM40MB	MANGANESE	73.1 J	MG/KG	0.25	0.5	134				1.76E+02	
HC12BU1BAA	12BU	11/01/02	IM40MB	NICKEL	6	MG/KG	0.25	0.5	10				1.56E+02	
HC12BU1BAA	12BU	11/01/02	IM40MB	POTASSIUM	554	MG/KG	0.25	0.5	766					
HC12BU1BAA	12BU	11/01/02	IM40MB	SELENIUM	0.82 J	MG/KG	0.25	0.5	1.7				3.91E+01	
HC12BU1BAA	12BU	11/01/02	IM40MB	VANADIUM	16.4	MG/KG	0.25	0.5	28.8				5.48E+01	
HC12BU1BAA	12BU	11/01/02	IM40MB	ZINC	16.1	MG/KG	0.25	0.5	25.6				2.35E+03	
HC12BU1BAA	12BU	11/01/02	SW8270	{ND on all 78} analytes				0.25	0.5					
HC12BU1CAA	12BU	11/01/02	8321D	{ND on all 4} analytes				0.5	1					
HC12BU1CAA	12BU	11/01/02	8330N	{ND on all 19} analytes				0.5	1					
HC12BU1CAA	12BU	11/01/02	D2216M	MOISTURE	13.7 *	PERCENT		0.5	1					
HC12BU1CAA	12BU	11/01/02	E314.0	{ND on all 1} analytes				0.5	1					
HC12BU1CAA	12BU	11/01/02	IM40HG	{ND on all 1} analytes				0.5	1					
HC12BU1CAA	12BU	11/01/02	IM40MB	ALUMINUM	12800	MG/KG	0.5	1	16019				7.61E+03	X
HC12BU1CAA	12BU	11/01/02	IM40MB	ARSENIC	5.8 J	MG/KG	0.5	1	5.5	X	2.00E+01		2.16E+00	X
HC12BU1CAA	12BU	11/01/02	IM40MB	BARIUM	17.3	MG/KG	0.5	1	24		1.00E+03		5.37E+02	
HC12BU1CAA	12BU	11/01/02	IM40MB	BERYLLIUM	0.31 J	MG/KG	0.5	1	0.38		1.00E+02		1.54E+01	
HC12BU1CAA	12BU	11/01/02	IM40MB	BORON	1.6 J	MG/KG	0.5	1	9.6				1.56E+03	
HC12BU1CAA	12BU	11/01/02	IM40MB	CALCIUM	140	MG/KG	0.5	1	288					
HC12BU1CAA	12BU	11/01/02	IM40MB	CHROMIUM, TOTAL	16.3	MG/KG	0.5	1	19		3.00E+01		2.11E+02	
HC12BU1CAA	12BU	11/01/02	IM40MB	COBALT	5.1	MG/KG	0.5	1	4	X			9.03E+02	
HC12BU1CAA	12BU	11/01/02	IM40MB	COPPER	5.8	MG/KG	0.5	1	11				3.13E+02	

Table 1
Supplemental Post-Screening Investigation Soil Analytical Results
Demo 1 Soil Operable Unit

AMEC ID	GIS_LOCID	Date	Method	Analyte	Conc	Units	SBD	SED	BKG	>BKG	MCP S-1/GW-1	>MCP S-1/GW-1	MMR RES PRG	>MMR RES PRG
HC12BU1CAA	12BU	11/01/02	IM40MB	IRON	14100	MG/KG	0.5	1	17800				2.35E+03	X
HC12BU1CAA	12BU	11/01/02	IM40MB	LEAD	12.2	MG/KG	0.5	1	19		3.00E+02		4.00E+01	
HC12BU1CAA	12BU	11/01/02	IM40MB	MAGNESIUM	1930	MG/KG	0.5	1	2010					
HC12BU1CAA	12BU	11/01/02	IM40MB	MANGANESE	96.8 J	MG/KG	0.5	1	134				1.76E+02	
HC12BU1CAA	12BU	11/01/02	IM40MB	NICKEL	9.2	MG/KG	0.5	1	10				1.56E+02	
HC12BU1CAA	12BU	11/01/02	IM40MB	POTASSIUM	716	MG/KG	0.5	1	766					
HC12BU1CAA	12BU	11/01/02	IM40MB	SILVER	0.41 J	MG/KG	0.5	1					3.91E+01	
HC12BU1CAA	12BU	11/01/02	IM40MB	VANADIUM	22.3	MG/KG	0.5	1	28.8				5.48E+01	
HC12BU1CAA	12BU	11/01/02	IM40MB	ZINC	20.2	MG/KG	0.5	1	25.6				2.35E+03	
HC12BU1CAA	12BU	11/01/02	SW8270	{ND on all 78} analytes			0.5	1						

Legend

BKG = Background concentration

RES = Residential

PRG = Preliminary Remediation Goals

Conc = Concentration

SBD = Sample beginning depth

SED = Sample ending depth

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Table 2
Summary Statistics - Soil Analytical Results
Supplemental Post-Screening Investigation and Demo 1
Demo 1 Soil Operable Unit

Analyte	Supplemental PSI Samples				Demo 1 Samples ¹				Comments
	MAX	AVE	FOD	FOD (%)	MAX	AVE	FOD	FOD (%)	
COCs and other Explosives									
1,3-DINITROBENZENE	23 J	23 J	1	1.3			0	0.0	
2,4,6-TRINITROTOLUENE	18 J	18 J	1	1.3	2,000	61.4	10	1.9	
2,4-DINITROTOLUENE	1,100	935.0	2	2.6	2,100	88.6	24	4.3	
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	670	670.0	1	1.3	86,000	575.2	122	23.0	
OCTAHYDRO-1,3,5,7-TETRANITRO-1,3,5,7-TET PERCHLORATE	300 J	300 j	1	1.3	19,000	187.6	94	17.7	
	7.27	4.9	4	5.1	26.88	3.3	15	20.8	
Other Organic Compounds									
1,3-DIETHYL-1,3-DIPHENYL UREA	140	140.0	1	1.3	410	185.2	11	12.1	
BENZANTHRONE	57	45.7	3	3.8	120 J	60.0	4	5.6	
BENZO(A)ANTHRACENE	420	107.6	5	6.4	560	161.7	36	26.5	All Supplemental PSI detections below background
BENZO(A)PYRENE	150	58.3	4	5.1	230 J	158.7	31	22.8	All Supplemental PSI detections below background
BENZO(B)FLUORANTHENE	310	83.7	6	7.7	560 J	165.1	41	30.1	All Supplemental PSI detections below background
BENZO(G,H,I)PERYLENE	55	38.0	2	2.6	98 J	43.9	16	11.8	All Supplemental PSI detections below background
BENZO(K)FLUORANTHENE	290	79.8	6	7.7	460	161.8	40	29.4	All Supplemental PSI detections below background
BENZOIC ACID	310	102.9	24	30.8	720 J	289.9	53	47.7	
BIS(2-ETHYLHEXYL) PHTHALATE	60	27.7	43	55.1	2,100 J	178.8	46	33.8	
CHRYSENE	730	130.4	8	10.3	880	157.7	42	38.2	
DIBENZ(A,H)ANTHRACENE	25	25.0	1	1.3	50 J	35.3	3	2.2	
DI-N-BUTYL PHTHALATE	96	45.2	5	6.4	36,000 J	743.3	51	37.5	
FLUORANTHENE	790	99.5	12	15.4	1,200	160.5	48	35.3	
INDENO(1,2,3-C,D)PYRENE	66	45.0	2	2.6	110 J	42.0	18	13.2	All Supplemental PSI detections below background
PHENANTHRENE	41	34.8	5	6.4	280 J	177.7	20	14.7	All Supplemental PSI detections below background
PYRENE	1,900	143.8	18	23.1	880 J	154.6	58	42.6	
Metals									
ALUMINUM	17000	10911	78	100.0	25900	8424	178	100.0	
ANTIMONY	3.1	2.1	7	9.0	127	3.6	50	28.4	
ARSENIC	7.2	4.3	78	100.0	30.4	3.7	170	95.5	
BARIUM	26	14.9	78	100.0	10700	175	177	99.4	
CADMIUM	4.3	0.7	15	19.2	9.6	0.4	104	58.4	
CHROMIUM, TOTAL	19.9	12.2	78	100.0	28.1	10.3	178	100.0	
COBALT	5.5	2.6	78	100.0	10.6	3.0	178	98.3	
COPPER	497	22.9	62	79.5	1270	43.6	177	96.6	
LEAD	534	47.4	78	100.0	15600	140	173	97.2	
MANGANESE	188	55.4	78	100.0	1060	141.1	178	100.0	
MERCURY	0.43	0.1	15	19.2	12.2	0.2	83	55.7	
MOLYBDENUM	2	0.7	48	61.5	12.4	0.9	124	72.5	

Table 2
Summary Statistics - Soil Analytical Results
Supplemental Post-Screening Investigation and Demo 1
Demo 1 Soil Operable Unit

Analyte	Supplemental PSI Samples				Demo 1 Samples ¹				Comments
	MAX	AVE	FOD	FOD (%)	MAX	AVE	FOD	FOD (%)	
SILVER	0.51	0.5	5	6.4	138	2.2	32	18.1	
THALLIUM	1.4	1.4	1	1.3	4.6J	0.7	27	15.2	
VANADIUM	32.2	21.6	78	100.0	40.5	16.2	178	100.0	
ZINC	172	23.6	78	100.0	2040	66.6	173	97.2	
Notes: ¹ Data from Table 5-1 of the Draft RRA Plan, Demo 1 Operable Unit (AMEC, 2003). Data represents samples collected prior to excavation of the source area. Table excludes analytical results from soil sample location Ids 12V, 12W, and D12, which were removed from Demo 1 as part of an Immediate Response Action under the MCP. MAX = Maximum concentration detected AVE = Average concentration of detected values FOD = Frequency of Detect J = Estimated concentration									

ATTACHMENT TO APPENDIX D

**Supporting Documentation to
Final Supplemental PSI Summary Report to
Demolition Area 1 Source Area**



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO:
ATTENTION OF:

March 4, 2009

Engineering/Planning Division
Geotechnical Water Resources Branch

Ms. Lynne Jennings
EPA - New England, Region 1
1 Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Mr. Len Pinaud
Massachusetts Department of Environmental Protection
20 Riverside Drive
Lakeville, Massachusetts 02347

Re: Impact Area Groundwater Study Program (IAGWSP), Final Supplemental Post-Screening Investigation Summary Report, Demolition Area 1 Source Area, Camp Edwards, Massachusetts, Military Reservation, Cape Cod, Massachusetts, dated 26 February 2009

Dear Ms. Jennings and Mr. Pinaud:

On behalf of the U.S. Army Environmental Command Impact Area Groundwater Study Program (IAGWSP), the U.S. Army Corps of Engineers (USACE) is pleased to provide the above referenced document electronically. Hard Copies of the document will be made available as part of the Final Demolition Area 1 Source Area Completion of Work Report, which will be finalized shortly.

Please contact Paul Nixon of the IAGWSP, or Dave Margolis or Don Wood of the USACE, if there are any questions.

Sincerely,

A handwritten signature in black ink, reading "H. Farrell McMillan", is positioned above the printed name and title.

H. Farrell McMillan, P.E.
Chief, Engineering/Planning Division

Copy Furnished:

IAGWSP: B. Gregson, P. Nixon, and M. Goulet

USACE Gina Kaso and Dave Margolis

EPA: Robert Lim, MMR Field Office

MassDEP: Mark Panni

AEC: Tom Frendak

NGB: Kim Harriz

AFCEE: Beverly Connolly



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1

1 CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

February 12, 2009

Kent Gonser
Impact Area Groundwater Study Program
1803 West Outer Road
Camp Edwards, MA 02542

RE: Responses to Comments Letter on the *Draft Demolition Area 1 Supplementary Post-Screening Investigation Report*, dated February 6, 2009

Dear Mr. Gonser:

The U.S. Environmental Protection Agency (EPA) has reviewed the Responses to Comments Letter on the *Draft Demolition Area 1 Supplementary Post-Screening Investigation Report*, dated February 6, 2009 and finds the responses to be acceptable. Please contact me, or Bob Lim at (617) 918-1392, with any questions on this letter.

Sincerely,

A handwritten signature in black ink, which appears to read "Bob Lim" followed by a flourish, is written over the typed name of Lynne A. Jennings.

Lynne A. Jennings
MMR Team Leader

cc: Len Pinaud/MassDEP
Jane Dolan/EPA
Desiree Moyer/EPA
Carol Keating/EPA
Bob Lim/EPA
Ron Fein/EPA
Tim Conway/EPA

From: Pinaud, Leonard (DEP) [<mailto:Leonard.Pinaud@state.ma.us>]
Sent: Monday, April 06, 2009 1:53 PM
To: Curley, Kristina S Ms NGMA; Gregson, Ben P Mr NGMA
Cc: Lim.Robert@epamail.epa.gov; Wood, Donald G NAE; Cui, Henry (DEP)
Subject: RE: Add'l Figures and Chart for Demo 1 COWR (UNCLASSIFIED)

Kris/Ben;

Thank you for pulling this information together and formatting it. MassDEP recommends the document be finalized with the discussed changes. Thanks--Len

From: Curley, Kristina S Ms NGMA [<mailto:kristina.curley@us.army.mil>]
Sent: Thursday, April 02, 2009 5:09 PM
To: Cui, Henry (DEP); Pinaud, Leonard (DEP)
Cc: Gregson, Ben P Mr NGMA; Lim.Robert@epamail.epa.gov; Wood, Donald G NAE
Subject: FW: Add'l Figures and Chart for Demo 1 COWR (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Henry,

Here's the revised table for the weighted average. We will put it in the same format as we sent earlier for Table 3-8, but wanted you to have this for review.

Best regards,

Kris

Kristina S. Curley
Public Affairs Specialist
Impact Area Groundwater Study Program
Phone: 508-968-5626
Cell: 774-406-6290

email: kristina.curley@us.army.mil



DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

REPLY TO:
ATTENTION OF:

February 6, 2009

Engineering/Planning Division
Geotechnical Water Resources Branch

Ms. Lynne Jennings
EPA - New England, Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Mr. Len Pinaud
Massachusetts Dept. of Environmental Protection
20 Riverside Drive
Lakeville, MA 02347

Re: Impact Area Groundwater Study Program (IAGWSP)
Draft Final Supplemental Post-Screening Investigation Summary Report, Demolition
Area 1 Source Area, Camp Edwards, Massachusetts Military Reservation, Cape Cod,
Massachusetts, dated 6 February 2009 and Response to EPA comments dated 26 January
2009 and MassDEP comments dated 9 January 2009 on subject report

Dear Ms. Jennings and Mr. Pinaud:

On behalf of the U.S. Army Environmental Command Impact Area Groundwater Study
Program (IAGWSP), the U.S. Army Corps of Engineers (USACE) is pleased to provide the
above referenced documents.

Please contact Paul Nixon of the IAGWSP, or Dave Margolis or Don Wood of the USACE, if
there are any questions.

Sincerely,

H. Farrell McMillan, PE
Chief, Engineering Planning Division

Enclosure:

EPA 4 copies and 1 CD
MassDEP 1 copy and 1 CD

Copy Furnished:

IAGWSP: B. Gregson (letter only, P. Nixon (1 copy), and M. Goulet (5 copies)

USACE Gina Kaso (1 copy) and Dave Margolis (1 copy)

EPA: Robert Lim (1 copy), MMR Field Office (1 copy and 1 CD)

MassDEP: Mark Panni

AEC: Tom Friendak (1 copy)

NGB: Kim Harriz (1 copy)

AFCEE: Beverly Connolly

**IAGWSP RESPONSE TO
MassDEP COMMENTS ON DRAFT DEMOLITION AREA 1
SUPPLEMENTARY POST-SCREENING INVESTIGATION REPORT
February 6, 2009**

The following responds to the MassDEP comments on the *Draft Revised Supplemental Post-Screening Investigation Summary Report, Demolition Area 1 Source Area, Camp Edwards, Massachusetts Military Reservation, Cape Cod, Massachusetts*, dated December 29, 2008. These comments were submitted January 9, 2009 by Mr. Leonard J. Pinaud, Chief, Federal Facilities Remediation Section.

MassDEP comments are in **bold**; the responses are in normal font.

Page-Specific Comments

1. **Page 8, Section 4.3, Metals, 2nd paragraph:**

The text states: ***“Only lead was detected in one sample above the MCP Method 1 S-1/GW-1 Standards”***. Please note that lead was detected at concentrations of 427 mg/kg and 534 mg/kg at sample locations 12BA and 12BF, respectively. These concentrations are both above the MCP Method 1 S-1/GW-1 lead standard (300 mg/kg). Please correct the text.

Response:

The text was correct. The soil at location 12 BF was removed as part of the soil response action. Text to clarify this was added to Section 4.3.

2. **Page 9, Section 5.0, Summary and Conclusions, 1st paragraph, last sentence:**

The text states: ***“Based on the levels and frequencies of detection, the detected concentrations outside the perimeter road do not warrant further assessment or remediation”***. The Draft Report indicates that lead and explosive compounds were detected above the MCP Method 1 S-1/GW-1 Standards along the Demolition Area 1 perimeter road. A characterization of the risk of harm to health, safety, public welfare and the environment should be performed to provide the qualitative and quantitative information necessary to evaluate the need for remedial actions for this area. The scope and level of effort of this risk characterization should reflect the specific site conditions. The MassDEP suggests that additional evaluation may be necessary at grids 12BA, 12BC, and 12BF.

Response:

Additional language was added to Section 4.0 and Section 5.0 to clarify this statement from the 4th paragraph of Section 5.0.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1
SUPPLEMENTARY POST-SCREENING INVESTIGATION REPORT
February 6, 2009**

The following responds to the EPA comments related to its Conditional Approval of the *Draft Revised Supplemental Post-Screening Investigation Summary Report, Demolition Area 1 Source Area, Camp Edwards, Massachusetts Military Reservation, Cape Cod, Massachusetts*, dated December 29, 2008. These comments were submitted January 26, 2009 by Ms. Lynne Jennings, MMR Team Leader.

EPA comments are in **bold**; the responses are in normal font.

GENERAL COMMENTS

1. **This report is a supporting piece to the *Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closeout Report* which in turn supports the *Demo 1 Decision Document Addendum*.**

Response:

This text was added.

2. **Section 1.1 discusses magnetometer survey for three areas outside of perimeter road. Report should also include a separate section on results of magnetometer survey and report any follow-up activities related to survey (i.e., removal, etc). Additional and appropriate figure and tables should be included to support text.**

Response:

The text was revised.

SPECIFIC COMMENTS

1. **Page 5, Section 3.2, 1st Para, 5th Sentence – Provide reference or additional information to support statement that benzoic acid is ‘often seen at background concentrations in SVOC samples.’**

Response:

The text was revised.

2. **Page 7, Section 4.0 – Data comparison should include other leaching-based and/or risk-based concentrations. Report compares detections to background as well. Define background and reference appropriate reports.**

Response:

The text was revised and referenced reports added to References.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1
SUPPLEMENTARY POST-SCREENING INVESTIGATION REPORT
February 6, 2009**

- 3. Page 7, Section 4.2 – Text only presents detections. Further text is needed to state how detections compare to MCP Method 1 S-1/GW-1 standards.**

Response:

The text was revised to include MCP Method 1 S-1/GW-1 standards.

- 4. Page 8 – Add page break for Section 5.0 as is formatted for other sections.**

Response:

The text was revised.

- 5. Page 8, Section 5.0 – The draft Decision Document Addendum states that ‘predictive analyses were applied to model the potential for contaminant leaching from the soil into groundwater’ in the Supplemental PSI Report, however no modeling analyses is presented. Either this report is missing this analysis or the draft Decision Document Addendum is inaccurate. Confirm which of these scenarios is true then make appropriate correction to this document or the addendum.**

Response:

The text of the draft Decision Document Addendum was revised.

- 6. Page 8, Section 5.0, 3rd Paragraph –**

- a. Paragraph does not discuss impacts, if any, from SVOCs and/or metals. Paragraph should restate conclusions to these contaminants and whether or not they are predicted to impact groundwater.**

Response:

The text was revised.

- b. Explain “Demo 1 Samples” in Table 2. Clarify in body text whether these are concentrations of samples pre- or post-excavation.**

Response:

The text was revised. The notes in Table 3 were revised.

- 7. Page 9, Section 5.0, Last Paragraph – Revise to add that the capture zone of the Demo 1 groundwater extraction system encompasses the Demo 1 source area in the event that undetected residual soil contamination, if present and leaches to groundwater, would be captured. Include a figure of the Demo 1 groundwater treatment system and projected capture zone.**

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1
SUPPLEMENTARY POST-SCREENING INVESTIGATION REPORT
February 6, 2009**

Response:

The text was revised. Requested figure is included.

8. Table 2 – Define background in body of report.

Response:

The text was revised.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1

1 CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

January 26, 2009

Kent Gonser
Impact Area Groundwater Study Program
1803 West Outer Road
Camp Edwards, MA 02542

RE: *Draft Revised Supplemental Post-Screening Investigation Summary Report, Demolition Area 1 Source Area, Camp Edwards, Massachusetts Military Reservation, Cape Cod, Massachusetts, December 29, 2008*

Dear Mr. Gonser:

The U.S. Environmental Protection Agency (EPA) has reviewed the *Draft Revised Supplemental Post-Screening Investigation Summary Report, Demolition Area 1 Source Area, Camp Edwards, Massachusetts Military Reservation, Cape Cod, Massachusetts, December 29, 2007*. EPA conditionally approves the document with required modifications in accordance with Section XV of Administrative Orders SDWA I-97-1019 and SDWA 1-2000-0014. EPA's conditions and required modifications are found in an attachment to this letter. The Impact Area Groundwater Study Program ("IAGWSP") shall submit a revised version of the above-named document implementing the required modifications, and a letter summarizing the revisions made in response to EPA's conditions, within 21 days of receipt of this letter.

Please contact me at or Bob Lim at (617) 918-1392 with any questions on this letter.

Sincerely,

A handwritten signature in cursive script, reading "Lynne A. Jennings", is positioned above the printed name.

Lynne A. Jennings
MMR Team Leader

Attachment

cc: Len Pinaud/MassDEP
Jane Dolan/EPA
Desiree Moyer/EPA
Carol Keating/EPA
Bob Lim/EPA
Ron Fein/EPA
Tim Conway/EPA

ATTACHMENT

The Impact Area Groundwater Study Program ("IAGWSP") shall comply with the following EPA conditions in response to the *Draft Revised Supplemental Post-Screening Investigation Summary Report, Demolition Area 1 Source Area, Camp Edwards, Massachusetts Military Reservation, Cape Cod, Massachusetts*, dated December 29, 2008.

GENERAL COMMENTS

1. This report is a supporting piece to the *Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closeout Report* which in turn supports the *Demo 1 Decision Document Addendum*.
2. Section 1.1 discusses magnetometer survey for three areas outside of perimeter road. Report should also include a separate section on results of magnetometer survey and report any follow-up activities related to survey (i.e., removal, etc). Additional and appropriate figure and tables should be included to support text.

SPECIFIC COMMENTS

1. Page 5, Section 3.2, 1st Para, 5th Sentence – Provide reference or additional information to support statement that benzoic acid is ‘often seen at background concentrations in SVOC samples.’
2. Page 7, Section 4.0 – Data comparison should include other leaching-based and/or risk-based concentrations. Report compares detections to background as well. Define background and reference appropriate reports.
3. Page 7, Section 4.2 – Text only presents detections. Further text is needed to state how detections compare to MCP Method 1 S-1/GW-1 standards.
4. Page 8 – Add page break for Section 5.0 as is formatted for other sections.
5. Page 8, Section 5.0 – The draft Decision Document Addendum states that ‘predictive analyses were applied to model the potential for contaminant leaching from the soil into groundwater’ in the Supplemental PSI Report, however no modeling analyses is presented. Either this report is missing this analysis or the draft Decision Document Addendum is inaccurate. Confirm which of these scenarios is true then make appropriate correction to this document or the addendum.
6. Page 8, Section 5.0, 3rd Paragraph –
 - a. Paragraph does not discuss impacts, if any, from SVOCs and/or metals. Paragraph should restate conclusions to these contaminants and whether or not they are predicted to impact groundwater.

- b. Explain “Demo 1 Samples” in Table 2. Clarify in body text whether these are concentrations of samples pre- or post-excavation.
- 7. Page 9, Section 5.0, Last Paragraph – Revise to add that the capture zone of the Demo 1 groundwater extraction system encompasses the Demo 1 source area in the event that undetected residual soil contamination, if present and leaches to groundwater, would be captured. Include a figure of the Demo 1 groundwater treatment system and projected capture zone.
- 8. Table 2 – Define background in body of report.



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347 508-946-2700

DEVAL L. PATRICK
Governor

TIMOTHY P. MURRAY
Lieutenant Governor

IAN A. BOWLES
Secretary

LAURIE BURT
Commissioner

January 9, 2009

Mr. Kent Gonser, Program Manager
Department of the Army
US Army Environmental Center
Impact Area Groundwater Study Program Office
1803 West Outer Road
Otis ANG Base, Massachusetts 02542-5003

RE: BOURNE--BWSC-4-15031
Massachusetts Military
Reservation, **Draft Revised
Supplemental Post-Screening
Investigation Summary Report,
Demolition Area 1 Source Area,
Comments**

Dear Mr. Gonser:

The Department of Environmental Protection (MassDEP) has received a document entitled **"Draft Revised Supplemental Post-Screening Investigation Summary Report, Demolition Area 1 Source Area"** (the "Draft Report") dated 29 December 2008 and prepared by AMEC Earth & Environmental, Inc. for the U.S. Army/National Guard Bureau (NGB). The Draft Report summarizes results of soil sampling collected in accordance with the **Final Supplemental Post-Screening Investigation Work Plan** dated August 28, 2002. MassDEP provides the following comments:

Page-Specific Comments

1. Page 8, Section 4.3, Metals, 2nd paragraph:
The text states: **"Only lead was detected in one sample above the MCP Method 1 S-1/GW-1 Standards"**. Please note that lead was detected at concentrations of 427 mg/kg and 534 mg/kg at sample locations 12BA and 12BF, respectively. These concentrations are both above the MCP Method 1 S-1/GW-1 lead standard (300 mg/kg). Please correct the text.
2. Page 9, Section 5.0, Summary and Conclusions, 1st paragraph, last sentence:
The text states: **"Based on the levels and frequencies of detection, the detected concentrations outside the perimeter road do not warrant further assessment or remediation"**. The Draft Report indicates that lead and explosive compounds were detected above the MCP Method 1 S-1/GW-1 Standards along the Demolition Area 1

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD# 866-539-7622 or 617-574-6868.

DEP on the World Wide Web: <http://www.mass.gov/dep>

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perimeter road. A characterization of the risk of harm to health, safety, public welfare and the environment should be performed to provide the qualitative and quantitative information necessary to evaluate the need for remedial actions for this area. The scope and level of effort of this risk characterization should reflect the specific site conditions. The MassDEP suggests that additional evaluation may be necessary at grids 12BA, 12BC, and 12BF.

Please incorporate this letter into the Administrative Record for the Camp Edwards Impact Area. If you have any questions regarding these comments, please contact me at (508) 946-2871.

Sincerely,

This final document copy is being provided to you electronically by the Department of Environmental Protection. A signed copy of this document is on file at the DEP office listed on the letterhead.

Leonard J. Pinaud, Chief
Federal Facilities Remediation Section

P/HC/lm
Draft Revised Supplemental PSI Rpt.doc

ecc: DEP - SERO
ATTN: David Johnston, Acting Regional Director
Millie Garcia-Serrano, Deputy Regional Director

Distributions: SERO
SMB
MMRCT
Boards of Selectmen
Boards of Health

Appendix E
Burn Pit Items

**APPENDIX E-1
Q42-BP-001**

Demolition Area 1 Source Area COWR

Investigation Start Date: 4/27/04
Investigation Finish Date: 8/18/04

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 42	1	M29 3.5" Rocket	
	1	.50 cal cartridge w/ projectile	
	4	30mm projectiles	
	5	30mm cartridge casing	
	342	20mm projectiles	
	23	20mm cartridges w/ projectile	
	437	20mm cartridge cases	
	4	Unidentified battery devices	
	1	MK 25 marine smoke	
	1	Electric squibs	
	7	Pieces of Detonation transfer tubing	
	47	MK 13 Signal, Smoke, Illumination flares	
	28	Riot control grenades	
	30	Thermal batteries	
	8	Unknown items (*Marked BTU)	
	71	Misc. unknown items	
	1	105mm cartridge casing	
	2	Retro rockets (inert)	
	1	M6 2.36 heat warhead	
	1	Pyrotechnic pellets	
	1	M59 7.62 cartridge, ball	
	1	Primer	
	1	.50 cal tracer	
	2	7.62mm cartridge	
	1	M183 Signal flare	
	1	Perforator	
	450	Small arms	
	1	PD fuze (expended)	
		Munition Debris (Approx. 426 lbs)	
		RRD (Approx. 110 lbs.)	
Total	1097		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

APPENDIX E-2 Q42-BP-002

Investigation Start Date: 7/6/05
Investigation Finish Date: 8/4/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 42	1	81mm mortar, Practice	
	101	20mm projectiles	
	5	30mm projectiles	
	327	MK 13 Signal, Smoke, Illumination flares	
	200	.30 & .50 cal cartridge cases	
	30	155mm smoke canisters	
	23	155mm smoke candles scrap	
	3	M18 smoke grenades scrap	
	13	Smoke grenades (model unknown)	
	1	Smoke grenades rifle	
	9	M1 .50 cal projectile, tracer	
	169	M20 .50 cal projectile, APIT	
	13	M2 .50 cal cartridge, ball	
	30	M193 5.56mm cartridge, ball	
	37	M59 7.62mm cartridge, ball	
	1	M62 7.62mm projectile, tracer	
	4	unknown detonators	
	3	30mm practice, target	
	4	20mm cartridges	
	3	.50 cal cartridges	
	1	M1911 .45 cal cartridge, ball	
	4	Marine markers	
	40	7.62mm cartridge cases	
	2	.50 cal cartridge cases	
	10	5.56mm cartridge cases	
	7	M200 5.56mm cartridges, blank	
	2	M185 Signal, Personnel Distress	
		Munitions debris (approx 1611 lbs.)	
Total	1043		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-3
Q42-BP-003**

Demolition Area 1 Source Area COWR

Investigation Start Date: 8/5/05
Investigation Finish Date: 8/5/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 43	1	MK 13 Signal, Smoke, Illumination flares	
	10	Misc. fireworks	
	9	Artillery primer	
	6	20mm projectiles	
	5	M8 .50 cal projectiles, API	
	1	MkII series 1 lb. projectile	
	1	3' piece of Shielded Mild Detonating Cord	
		Munition Debris (Approx. 75 lbs)	
Total	33		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-4
Q42-BP-004**

Demolition Area 1 Source Area COWR

Investigation Start Date: 8/25/05
Investigation Finish Date: 8/27/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 42	3	M181 14.5mm Cartridge, Spotter trainer	
	6	20mm projectiles	
	1	Flame Cartridge	
	6	7.62mm cartridge w/ projectile	
	9	5.56mm cartridge w/ projectile	
	1	.30 cal cartridge w/ projectile	
	2	.50 cal cartridge w/ projectile	
	1	M6 2.36" Rocket Warhead	
	1	M6 2.36" Rocket motor	
	4	Grenade fuze	
	1	M18 Smoke grenade	
	1	CCU 44/B cartridge	
	2	Cartridge Actuated Device	
	1	M1 .50 cal projectile, tracer	
	1	Thermal Battery	
	11	Small Arms (various)	
	1	Explosive tool	
		Munition Debris (Approx. 160 lbs.)	
		Pyrotechnic (Approx. 2 oz.)	
Total	52		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-5
Q42-BP-005**

Demolition Area 1 Source Area COWR

Investigation Start Date: 2/17/05
Investigation Finish Date: 3/23/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 42	15	20mm projectiles	
	4	MK 13 Signal, Smoke, Illumination flares	
	1	Jet Perforator	
	1	Cartridge Actuated Device	
		Munitions debris (Approx. 10 lbs)	
Total	21		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-6
Q43-BP-001**

Demolition Area 1 Source Area COWR

Investigation Start Date: 3/23/05
Investigation Finish Date: 3/23/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 43	14	20mm projectiles	
	2	M18 Smoke grenades	
	3	20mm cartridges	
	2	20mm cartridges w/ projectiles	
Total	21		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-7
Q44-BP-001**

Demolition Area 1 Source Area COWR

Investigation Start Date: 6/10/05
Investigation Finish Date: 6/17/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 44	46	MK 13 Signal, Smoke, Illumination flares	
	134	M2 .50 cal cartridge, ball	
	224	.50 cal projectiles	
	980	.50 cal cartridge casings	
	100	CCU 44 impulse cartridges	
	207	CCU 44-B Primers	
	1170	CCU-44B CADS	
	1315	20mm cartridge casings	
	2	20mm cartridges w/ projectile	
	7	20mm projectiles	
	2,537	7.62mm cartridge casings	
	23	7.62mm cartridge w/ projectile	
	578	M59 7.62mm cartridge, ball	
	2	grenade fuzes	
	5	misc. mercury switches	
	2	Signal Flare (Model Unknown)	
	2	Detonation Transfer tubes	
	7	Electric squibs	
	10	drogue guns	
	1	M127 Ground Signal, Illumination, Parachute	
	44	Transfer tubes	
	2	Practice grenade fuzes	
	2	M181 14.5mm Cartridge, Spotter trainer	
	1	30mm projectile target	
	15	Misc. Aircraft actuators	
	1	M1A1 firing device	
	2	Items containing hallow-wax (red & black)	
	1	6 oz. piece of unknown flare composition.	
	23	OE related items	
		Munition Debris (Approx. 459 lbs.)	
		Propellant (Approx. 003 lbs.)	
		Mercury contaminated waste (Approx. 5 lbs.)	
Total	7443		

Notes:

MEC items will be managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items will be managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-8
Q45-BP-001**

Demolition Area 1 Source Area COWR

Investigation Start Date: 6/8/05
Investigation Finish Date: 6/8/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 45	10	M193 5.56mm cartridges, ball	
	175	CCU 44 impulse cartridges	
	35	CCU 44 primers	
	6	commercial fireworks	
		Munition Debris (Approx. 611 lbs.)	
		Range Residue Debris (Approx. 20 lbs.)	
Total	226		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

APPENDIX E-9
Q45-BP-002

Demolition Area 1 Source Area COWR

Investigation Start Date: 6/14/04
Investigation Finish Date: 6/15/04

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 45	50	M59 7.62mm cartridge, ball	
	6	Cartridge Actuated Devices	
	1880	7.62mm cartridge casings	
	4	OE related devices	
	1150	20mm cartridge casings	
	850	.50 Cal. cartridge casings	
	4	5.56mm cartridge casings	
	13	MK 13 Signal, Smoke, Illumination flares	
	391	7.62mm cartridge w/ projectile	
	162	.50 Cal cartridge w/ projectile	
	543	CCU 44-B cartridge actuated devices	
	10	CCU 44-B primers	
		Munition Debris (Approx. 50 lbs)	
Total	5063		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-10
Q45-BP-003***Demolition Area 1 Source Area COWR*

Investigation Start Date: 8/5/04
Investigation Finish Date: 8/5/04

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 45	1	MK 13 Signal, Smoke, Illumination flares	
		Munition debris (Approx 5 lbs.)	
Total	1		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-11
Q45-BP-004**

Demolition Area 1 Source Area COWR

Investigation Start Date: 11/2/05
Investigation Finish Date: 11/8/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 45		Fireworks (Approx. 0.75 lbs)	* Potentially live
		Expendable Fireworks (Approx. 27 lbs)	
		Munition Debris (Approx. 135 lbs.)	
		Range Residue Debris (Approx. 15 lbs)	
Total	0		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan,
dated 26 March 2004

MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard, dated 24 May 2004

**APPENDIX E-12
Q56-BP-001**

Demolition Area 1 Source Area COWR

Investigation Start Date: 5/27/05

Investigation Finish Date: 6/7/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 56	10,104	M32 & M71A1EI 60mm & 81mm Primers	
	18	Propelling charge, mortar	
	1	Grenade fuze	
	2	Cartridge Actuated Device	
		Munition Debris (Approx. 1,165 lbs)	
Total	10125		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-13
Q56-BP-002**

Demolition Area 1 Source Area COWR

Investigation Start Date: 6/14/05
Investigation Finish Date: 6/21/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 56	1	M905 Bomb Fuze, Tail	
	75	Primers	
	100	.50 cal cartridges cases	
	75	.50 cal projectiles	
	200	M2 .50 cal cartridge, ball	
	5	M127 Ground Signal, Illumination, Parachute	
	2	BDU 33 Practice Bomb	
	5	M51 series fuzes	
	15	30mm projectiles	
	2	Signal Flares (Model Unknown)	
	8	Misc. OE items	
	20	MK 13 Signal, Smoke, Illumination flares	
		Fireworks (Approx. 2 lbs.)	
		Munition Debris (Approx. 50 lbs.)	
Total	508		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-14
Q57-BP-001**

Demolition Area 1 Source Area COWR

Investigation Start Date: 6/2/05
Investigation Finish Date: 6/7/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 57	1602	M32 60mm Mortar Primers	
	274	M71A1E1 81mm Mortar Primers	
	6728	Primers	
	1500	Mortar primers	
	1	Grenade fuze	
	3	Mortar propellant bags	
	2	Propellant charges	
		Munition Debris (Approx 918 lbs.)	
Total	10110		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

**APPENDIX E-15
Q70-BP-001**

Demolition Area 1 Source Area COWR

Investigation Start Date: 5/26/05
Investigation Finish Date: 5/27/05

Location	# of Items Recovered	Items	Other Information (Lot#, etc)
Quad 45	200	7.62mm cartridge casings	
	10	M59 7.62mm cartridge, ball	
	10	MK 13 Signal, Smoke, Illumination flares	
	20	20mm cartridge w/ projectile	
	1	40mm rifle grenade unfired (live)	
	300	M200 5.56mm cartridge, blank	
	100	.50 cal projectiles	
	200	.50 cal cartridge casings	
	1	M2 .50 cal cartridge, ball	
	3	burster tubes	
		Approx 185 lbs. of small arms scrap (MD)	brass & bullets, etc.
Total	845		

Notes:

MEC items have been managed in accordance with the Military Munitions Management Plan dated 26 March 2004
MD and RRD items have been managed in accordance with the Draft Materials Disposition Plan,
Material Presenting an Explosive Hazard dated 24 May 2004

Appendix F

Incident Reports (included on attached CD)

Appendix G
Transportation and Disposal Receipts

**Bills of Lading
Waste Management Inc.
Turnkey Landfill
Rochester, NH**

Burn Pits

Q42-BP-001
Q42-BP-003
Q42-BP-004
Q45-BP-001
Q45-BP-003
Q45-BP-004
Q56-BP-001
Q57-BP-001
Q70-BP-001

DOCUMENT NO. 35354

WORK ORDER NO. EN77283D
DEMO 1

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS VEHICLE ID # _____
EPA ID # _____ TRANS. 1 PHONE _____TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-1P-95-001</u>			SHIPPER EPA ID # <u>N/A</u>		
ADDRESS <u>90 ROCHESTER NECK RD</u>			ADDRESS <u>1017 SOUTH INNER ROAD</u>		
CITY <u>ROCHESTER</u>		STATE <u>NH</u>	ZIP <u>03830</u>	CITY <u>CAMP EDWARDS</u>	
				STATE <u>MA</u>	
				ZIP <u>02542</u>	
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
<u>1-25CY</u>	<u>R/O</u>		<u>A. NON HAZARDOUS - NON DDT REGULATED MATERIAL (SOIL)</u>		
			<u>B.</u>		
			<u>C.</u>		
			<u>D.</u>		
			<u>E.</u>		
			<u>F.</u>		
			<u>G.</u>		
			<u>H.</u>		
SPECIAL HANDLING INSTRUCTIONS <u>WTA PROFILE # 56786</u>					
<u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS - 800-OIL-TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>DUSTIN C. BURROUGHS</u>	SIGN <u>[Signature]</u>	DATE <u>06/10/04</u>
TRANSPORTER 1	PRINT <u>SANTINO VITALI</u>	SIGN <u>[Signature]</u>	DATE <u>6/16/04</u>
TRANSPORTER 2	PRINT <u>SANTINO VITALI</u>	SIGN <u>[Signature]</u>	DATE <u>6/16/04</u>
RECEIVED BY	PRINT _____	SIGN _____	DATE _____

Demol

DOCUMENT NO. 35363

WORK ORDER NO. EN772830
DEMO 1 SOIL

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN Harbors (Times Hauling)
EPA ID # _____

VEHICLE ID # ME 0337316
TRANS. 1 PHONE _____

TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR II</u>			SHIPPER <u>MASS. ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-2-P-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK RD</u>			ADDRESS <u>1017 SOUTH INNER ROAD</u>		
CITY <u>ROCHESTER</u>		STATE <u>MA</u>	ZIP <u>03370</u>	CITY <u>CAMP EDWARDS</u>	
		STATE <u>MA</u>	ZIP <u>02542</u>		
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
<u>1-25 CY</u>	<u>R/O</u>		<u>A. NON HAZARDOUS, NON DOT REGULATED MATERIAL (SOIL)</u>		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>WM. PROFILE # 56786</u> <u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS - 800-DILTANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>JUSTIN C. BURROUGHS</u>	SIGN <u>[Signature]</u>	DATE <u>6/10/04</u>
TRANSPORTER 1	PRINT <u>Santino Vitali</u>	SIGN <u>[Signature]</u>	DATE <u>6-17-04</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

DOCUMENT NO. 35364

WORK ORDER NO. EN77287D
DEM 1 SOIL

STRAIGHT BILL OF LADING

TRANSPORTER 1 Clean Harbors (Times Hauling) VEHICLE ID # MA 59734
EPA ID # _____ TRANS. 1 PHONE _____TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS. ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-P-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK RD.</u>			ADDRESS <u>1017 SOUTH INNER RD.</u>		
CITY <u>ROCHESTER</u>		STATE <u>NH</u>	ZIP <u>03870</u>	CITY <u>CAMP EDWARDS</u>	
				STATE <u>MA</u>	
				ZIP <u>02542</u>	
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
1-25 CY	R/O		A. NON HAZARDOUS, NON DOT REGULATED MATERIAL (SOIL)		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>W.M. PROFILE # 56786</u> <u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS -800-OIL-TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>DUSTIN C. BURROUGHS</u>	SIGN <u>Dustin C. Burroughs</u>	DATE <u>6/10/04</u>
TRANSPORTER 1	PRINT <u>Santino Vitali</u>	SIGN <u>Santino Vitali</u>	DATE <u>6/13/04</u>
TRANSPORTER 2	PRINT <u>Santino Vitali</u>	SIGN <u>Santino Vitali</u>	DATE <u>6/15</u>
RECEIVED BY	PRINT	SIGN	DATE

DOCUMENT NO. 35365

WORK ORDER NO. EN772830
DEMO 1 SOIL

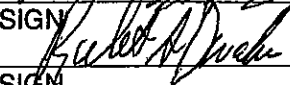
STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBORS VEHICLE ID # _____
EPA ID # _____ TRANS. 1 PHONE _____

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS. ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-P-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK ROAD</u>			ADDRESS <u>1017 SOUTH INNER ROAD</u>		
CITY <u>ROCHESTER</u>		STATE <u>NH</u>	ZIP <u>03830</u>	CITY <u>CAMP EDWARDS</u>	
		STATE <u>MA</u>	ZIP <u>02542</u>		
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
1-25CY	R/O		A. NON HAZARDOUS, NON DOT REGULATED MATERIAL (SOIL)		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>WM. PROFILE #56786</u>					
<u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS 800-^{OIL} ~~800~~ TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>DUSTIN C. BURROUGHS</u>	SIGN 	DATE <u>6/10/04</u>
TRANSPORTER 1	PRINT <u>R. Donahue</u>	SIGN 	DATE <u>6-16-04</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

DOCUMENT NO. 35367

WORK ORDER NO. EN77283D
DEMO 1 SOIL

STRAIGHT BILL OF LADING

TRANSPORTER 1 CLEAN HARBOR (TINCH) VEHICLE ID # MA 25721
EPA ID # _____ TRANS. 1 PHONE _____

TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS. ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-P-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK ROAD</u>			ADDRESS <u>1017 SOUTH INNER RD</u>		
CITY <u>ROCHESTER</u>		STATE <u>NH</u>	ZIP <u>03830</u>	CITY <u>CAMP EDWARDS</u>	
		STATE <u>MA</u>	ZIP <u>02542</u>		
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>1-25CY</u>	<u>R/O</u>		<u>A. NON HAZARDOUS, NON DOT REGULATED MATERIAL (SOIL)</u>		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>-W.M. PROFILE # 56796</u>					
<u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS 800 OIL TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>DUSTIN C. BURROUGHS</u>	SIGN <u>[Signature]</u>	DATE <u>06/10/04</u>
TRANSPORTER 1	PRINT <u>R. DONAHUE</u>	SIGN <u>[Signature]</u>	DATE <u>6-17-04</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

DOCUMENT NO. 35371

WORK ORDER NO. EN772870
DEMO 1

STRAIGHT BILL OF LADING

TRANSPORTER 1
EPA ID #Yinos Noeling

VEHICLE ID #

TRANS. 1 PHONE

54096TRANSPORTER 2
EPA ID #

VEHICLE ID #

TRANS. 2 PHONE

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS. ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-P-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK ROAD</u>			ADDRESS <u>1917 SOUTH LUNEN ROAD</u>		
CITY <u>ROCHESTER</u>		STATE <u>NH</u>	ZIP <u>03870</u>	CITY <u>CAMP EDWARDS</u>	
				STATE <u>MA</u>	ZIP <u>02542</u>
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>1-25CY</u>	<u>R/O</u>		<u>A. NON HAZARDOUS, NON DOT REGULATED MATERIAL (SOIL)</u>		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>WTM PROFILE # 56786</u>					
<u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS - 800-DIL-ITANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Pamela Foti for Dave Jacobson</u>	SIGN <u>Pamela Foti for Dave Jacobson</u>	DATE <u>6/21/04</u>
TRANSPORTER 1	PRINT <u>Santino Vitali</u>	SIGN <u>Santino Vitali</u>	DATE <u>6-24-04</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

DOCUMENT NO. 35373

WORK ORDER NO. EN772830
DEMO 1

STRAIGHT BILL OF LADING

TRANSPORTER 1
EPA ID #Travis Haeley

VEHICLE ID #

TRANS. 1 PHONE

54096TRANSPORTER 2
EPA ID #

VEHICLE ID #

TRANS. 2 PHONE

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-P-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK RD.</u>			ADDRESS <u>1017 SOUTH INNER ROAD</u>		
CITY <u>ROCHESTER</u>		STATE <u>NH</u>	ZIP <u>03830</u>	CITY <u>CAMP EDWARDS</u>	
		STATE <u>MA</u>	ZIP <u>02542</u>		
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
<u>1-25CY</u>	<u>R/O</u>		<u>A. NON HAZARDOUS, NON-DDT REGULATED MATERIAL (SOIL)</u>		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>WM PROFILE 56786</u>					
<u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS 800-OIL-TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Pamela Foti for David Jacobson</u>	SIGN <u>Pamela Foti for Dave Jacobson</u>	DATE <u>6/21/04</u>
TRANSPORTER 1	PRINT <u>Santino Vitai</u>	SIGN <u>Santino Vitai</u>	DATE <u>6-21-04</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Q50A-BP-001, Q51-BP-001, Q45-BP-001
Q56A-BP-001, Q57-BP-001, Demo 1 - Burn Pits
DOCUMENT NO. 35394 WORK ORDER NO. EN77283D

STRAIGHT BILL OF LADING

TRANSPORTER 1 Tino's Hauling VEHICLE ID # 29
EPA ID # _____ TRANS. 1 PHONE 617-781-982-44
TRANSPORTER 2 _____ VEHICLE ID # _____
EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-A-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK RD</u>			ADDRESS <u>1017 SOUTH INNER RD</u>		
CITY <u>ROCHESTER</u>		STATE <u>NH</u>	ZIP <u>03870</u>	CITY <u>CAMP EDWARDS</u>	
		STATE <u>MA</u>	ZIP <u>02542</u>		
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>1-25CY</u>	<u>R/O</u>		<u>A. NON HAZARDOUS, NON-DOF REGULATED MATERIAL (SOIL)</u>		
			<u>B.</u>		
			<u>C.</u>		
			<u>D.</u>		
			<u>E.</u>		
			<u>F.</u>		
			<u>G.</u>		
			<u>H.</u>		
SPECIAL HANDLING INSTRUCTIONS <u>WTI PROFILE 56786</u> <u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS 800-DIL-TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Dustin Burroughs</u>	SIGN <u>Dustin Burroughs</u>	DATE <u>12/8/04</u>
TRANSPORTER 1	PRINT <u>Tino's Hauling</u>	SIGN <u>Tino's Hauling</u>	DATE <u>12/8/04</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

Q45-BP-003, Q42-BP-001

DOCUMENT NO. 35395

WORK ORDER NO. ENT72730

STRAIGHT BILL OF LADING

TRANSPORTER 1 TINO'S HAULING VEHICLE ID # 54096 MA
 EPA ID # MA-1 TRANS. 1 PHONE 781-982-4947

TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR ILL</u>			SHIPPER <u>MASC ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-FS-P-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK RD</u>			ADDRESS <u>1017 SOUTH INNER RD</u>		
CITY <u>ROCHESTER</u>	STATE <u>NH</u>	ZIP <u>03830</u>	CITY <u>CAMP EDWARDS</u>	STATE <u>MA</u>	ZIP <u>02542</u>
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>1-25CY</u>	<u>R/O</u>		<u>A. NON HAZARDOUS, FYN DOT REGULATED MATERIAL (SOIL)</u>		
			<u>B.</u>		
			<u>C.</u>		
			<u>D.</u>		
			<u>E.</u>		
			<u>F.</u>		
			<u>G.</u>		
			<u>H.</u>		
SPECIAL HANDLING INSTRUCTIONS <u>WM PROFILE 54786</u>					
<u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS 800-DIL-TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>DAVID BURROUGHS</u>	SIGN <u>[Signature]</u>	DATE <u>12-28-04</u>
TRANSPORTER 1	PRINT <u>ROBERT DONAHUE</u>	SIGN <u>[Signature]</u>	DATE <u>9-28-04</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

DOCUMENT NO. 35396

WORK ORDER NO. ENT 77-970

STRAIGHT BILL OF LADING

TRANSPORTER 1 TWO'S Hauling
EPA ID # _____VEHICLE ID # 5406010
TRANS. 1 PHONE _____TRANSPORTER 2 _____
EPA ID # _____VEHICLE ID # _____
TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS ARMY NATIONAL GUARD</u>			
FACILITY EPA ID # <u>DES-SW-S-P-95-001</u>			SHIPPER EPA ID # _____			
ADDRESS <u>90 ROCHESTER NECK ROAD</u>			ADDRESS <u>1817 SOUTH INNER RD</u>			
CITY <u>ROCHESTER</u> STATE <u>NH</u> ZIP <u>03930</u>			CITY <u>CAMP EDWARDS</u> STATE <u>MA</u> ZIP <u>02542</u>			
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY	UNIT WT/VOL
<u>1-25CY</u>	<u>R/D</u>		<u>A. NON HAZARDOUS, NON-DOF REGULATED MATERIAL (SOIL)</u>			<u>12 YDS</u>
			B.			
			C.			
			D.			
			E.			
			F.			
			G.			
			H.			
SPECIAL HANDLING INSTRUCTIONS <u>WIT PROFILE 56786</u> <u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS 800-811-TANK</u>						

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Dustin D'Amico</u>	SIGN <u>[Signature]</u>	DATE <u>11-20-04</u>
TRANSPORTER 1	PRINT <u>Robbie D'Amico</u>	SIGN <u>[Signature]</u>	DATE <u>9-30-04</u>
TRANSPORTER 2	PRINT _____	SIGN _____	DATE _____
RECEIVED BY	PRINT _____	SIGN _____	DATE _____

Q 412 - BP-004

DOCUMENT NO. 35263

WORK ORDER NO. EN772730

STRAIGHT BILL OF LADING

TRANSPORTER 1 T. Jones VEHICLE ID # 23
 EPA ID # _____ TRANS. 1 PHONE 1-781-441-457
 TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-P-95-DD2</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK RD</u>			ADDRESS <u>1017 SOUTH LANE RD</u>		
CITY <u>ROCHESTER, NH</u>	STATE <u>NH</u>	ZIP <u>03870</u>	CITY <u>CAMP EDWARDS</u>	STATE <u>MA</u>	ZIP <u>02542</u>
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>125 CY</u>	<u>R/O</u>		<u>A. ARMY HAZARDOUS, NON-DOT REGULATED MATERIAL (SOIL)</u>		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>W/1 PROFILE 56786</u> <u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS 800 OIL TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Pamela Foy</u>	SIGN <u>Pamela Foy</u>	DATE <u>9/27/04</u>
TRANSPORTER 1	PRINT <u>T. Jones</u>	SIGN <u>T. Jones</u>	DATE <u>9/27/04</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

DOCUMENT NO. 67036

WORK ORDER NO. ~~EN777590~~
EN772835

STRAIGHT BILL OF LADING

TRANSPORTER 1 TWO'S TRUCKING VEHICLE ID # 90011
 EPA ID # _____ TRANS. 1 PHONE 9001111111

TRANSPORTER 2 _____ VEHICLE ID # _____
 EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S P-95-001</u>			SHIPPER EPA ID #		
ADDRESS <u>90 ROCHESTER NECK RD</u>			ADDRESS <u>1017 SOUTH INNER ROAD</u>		
CITY <u>ROCHESTER</u>	STATE <u>NH</u>	ZIP <u>03870</u>	CITY <u>CADIA EDWARDS</u>	STATE <u>VA</u>	ZIP <u>02542</u>
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<u>1-30CY</u>	<u>R/O</u>		<u>A. NON HAZARDOUS, NON DOT 7 REGULATED MATERIAL (SOIL)</u>		
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS <u>W17 PROFILE 56785</u> <u>IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS, 800-OIL-TANK</u>					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>PANICIA FOT.</u>	SIGN <u>Panicia FOT</u>	DATE <u>1-20-05</u>
TRANSPORTER 1	PRINT <u>Bob D...</u>	SIGN <u>Bob D...</u>	DATE <u>1-20-05</u>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

DOCUMENT NO. 67053

WORK ORDER NO. ENT12870

STRAIGHT BILL OF LADING

TRANSPORTER 1 Times Hauling
EPA ID # _____VEHICLE ID # #33TRANS. 1 PHONE 781-984-9991TRANSPORTER 2 _____
EPA ID # _____

VEHICLE ID # _____

TRANS. 2 PHONE _____

DESIGNATED FACILITY <u>TLR III</u>			SHIPPER <u>MASS ARMY NATIONAL GUARD</u>		
FACILITY EPA ID # <u>DES-SW-S-A-95-DD1</u>			SHIPPER EPA ID # _____		
ADDRESS <u>90 ROCHESTER NECK RD</u>			ADDRESS <u>1017 SOUTH INNER RD</u>		
CITY <u>ROCHESTER, NH</u>		STATE <u>NH</u>	CITY <u>CAMP EDWARDS</u>		STATE <u>MA</u>
ZIP <u>03870</u>			ZIP <u>01542</u>		
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS		TOTAL QUANTITY
1-30CY	R/D		A. <u>NON HAZARDOUS, NON P.D.T.</u>		
			B. <u>REGULATED MATERIAL (SOIL)</u>		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		

SPECIAL HANDLING INSTRUCTIONS

WM PROFILE #56785IN CASE OF EMERGENCY, CONTACT CLEAN HARBORS, 800 DIL-TANA

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <u>Pamela Foti</u>	SIGN <u>Pamela Foti</u>	DATE <u>2/16/05</u>
TRANSPORTER 1	PRINT <u>Ron Acorn (Times Hauling)</u>	SIGN <u>Ron Acorn</u>	DATE <u>2-16-05</u>
TRANSPORTER 2	PRINT <u>2</u>	SIGN <u>[Signature]</u>	DATE <u>2/16/05</u>
RECEIVED BY	PRINT <u>[Signature]</u>	SIGN <u>[Signature]</u>	DATE <u>2/17/05</u>

**Bills of Lading
Waste Management Inc.
Crossroads Landfill
Norridgewock, Maine**

Burn Pits

Q43-BP-001
Q42-BP-005

Excavated soils

Quads 60, 62, 70 and 73.

BIP Excavation

Quad 29, 22 and 41

This Shipping Order must be legibly filled in, in ink, in Indelible Penel, or in Carbon and retained by the Agent.

Shipper's #

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

215 Carrier

Agent's No.

at **Mass. Army National Guard**

from **Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542**

The property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, packaged and delivered as shown below, under contract as insured any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own railroad, or by the highway, or by water, or by air, or by any other mode of transportation, and as to each party at any time indicated in it or any of said property, over all or any portion of said route to destination, and as to each party at any time indicated in it or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to **Waste Management - Crossroads**

(Mail or street address of consignee - For purposes of notification only.)

Destination **357 Mercer Rd. Northgarwick**

City

State of **ME** Zip Code **04957**

County of

Routing

Delivering Carrier **Squeegie Transportation Inc.** or Car Initial

Vehicle

No.

Collect On Delivery and remit to:

C. O. D. charge to be paid by ☐ Shipper ☐ Consignee

No. Packages Description of Articles, Special Marks, and Exceptions Street City State

**Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)**

Weight (Said to Cont.)

Glass or Rake

Check Column

89 302
36540

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount Prepaid)

Charges Advanced:

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall show whether it is "tender's or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the declared or declared value of the property.

per

\$

Shipper, Per

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier (issuing name).)

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

This Shipping Order must be legibly filled in, in ink, in indelible pencil, or in Carbon and retained by the Agent.

#31

Carrier

Shipper's #
Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass. Army National Guard**

from **Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02642**

The property described below, if accepted, must comply with the conditions of carriage set forth in the contract as provided by the carrier or corporation in possession of the property. The carrier or corporation shall be responsible for the safe custody of the property and for its delivery to the consignee at the place and time specified in the contract. The carrier or corporation shall be responsible for the safe custody of the property and for its delivery to the consignee at the place and time specified in the contract. The carrier or corporation shall be responsible for the safe custody of the property and for its delivery to the consignee at the place and time specified in the contract.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Destination **357 Mercer Rd. Northgewock**
Street City

State of **ME** Zip Code **04957** County of _____
Delivering Carrier **Shuegla Transportation Inc.** or Car Initial _____ No. _____

Routing _____
Collect On Delivery _____ and remit to: _____

Street _____ City _____ State _____
No. _____
Packages _____

**Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)**

Weight (Sub. to Car.) _____
Glass or Rate _____
Check Column _____
Juno - 89320
360 20

Approved # 57541

Demolition - Adams / Section

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE - Where the rate is dependent on value, shipper's weight is required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be _____

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier (issuing office).)

C. O. D. change to be paid by Shipper ☐ Consignee ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee, without recourse on the part of the shipper, the consignee shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ _____ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (the signature here acknowledges only the amount prepaid.)

Charges Advanced:

2

Shipper's #

Carrier

Agent's No.

at ~~Mass.~~ Army National Guard

Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542

the property described below, except as noted (contents and condition of packages unknown) mailed, consigned and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contractual agreement) has agreed to deliver to said destination, it is mutually agreed, as to any kind of said property, that all or any portion of said goods placed at said destination, and as to such property, that every service to be performed hereunder, shall be subject to all the conditions and conditions on back hereof, which are hereby agreed to by the shipper and accepted for limited liability as follows:

from
Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542

Consigned to **Waste Management - Crossroads**

(Mail or street address of consignee - For purposes of notification only)

Destination 357 Mercer Rd. Northbrook

Street _____ City _____

State of ME Zip Code 04957

County of

Routing

Delivering
Carrier/Schedule Transportation Inc
Vehicle

Vehicle

Collect On Delivery

and remit to:

Initial _____ No _____

No

C. O. D. charge to be paid by	Shipper
	Consignee

consignee

No. Packages	Description of Articles, Special Marks, and Exceptions	City	State
	Non RCRA / Non DOT Regulated Material (Soil Contaminated with low level explosives) (Demo 11/15)		

Subject to Section 7 of conditions, this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write a stamp here, "TO BE PREPAID."

Received \$ _____ to apply to
prepayment of the charges on the
property described hereon.

Agent or Cashier

Per _____
(the signature here acknowledges only
the amount Prepaid.)

Charges Advanced:

1

Shipper Per W. J. Davis

Shipper: Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same)

Carrier

Agent's No.

APPROVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading.

at **Mass. Army National Guard**from **Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542**

This property described herein, is accepted good order, except as noted (contents and condition of packages unknown) marked, consigned and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, unless to deliver to another carrier or the shipper to add the conditions not prohibited by law, whether printed or written, which conditions, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his consignee.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**Destination **357 Mercet Rd.** **Northgewock** CityState of **ME** ZIP Code **04957** County ofRouting **Delivering** Vehicle **Carrier Squeegie Transportation Inc. or Car Initial** No.

Collect On Delivery and remit to:

Street

City

State

No. Packages

Description of Articles, Special Marks, and Exceptions

Weight (Sub. to Car)

Class or Rate

Direct Column

Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demp 1/52)

Approval #5754

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight. NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Shipper, Per

Agent, Per

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent or the carrier (as the same).)

Bill of Lading

C. O. D. charge ☐ Shipper
 to be paid by ☐ Consignee

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ _____ to apply to
 prepayment of the charges on the
 property described hereon.

Agent or Cashier

Per
 (the signature here acknowledges only
 the amount prepaid)

Charges Advanced:

Agent, Per **1**

This Shipping Order Must be legibly filled in, in Ink, in Indelible Pen, or in Carbon and retained by the Agent.

Shipper's #

#31

Carrier

Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass Army National Guard**

from **Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542**

The property described below, in apparent good order, except as noted (contents and condition of packages unknown) packed, consigned and delivered as shown below, which said company (the carrier) being understood throughout this contract as meaning any person or corporation in possession of this property under the contract, agrees to carry to its usual place of delivery at said destination, it on its own account, with full, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier or at any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions now published by the "carrier" parties or within their contracts, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for transit and its delivery.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crowsroads**

Destination **357 Mercer Rd.** **Norridgewood** City **ME** State of **ME** Zip Code **04957** County of _____

Routing _____ Delivering Carrier **Sagele Transportation Inc.** or Car Initial _____ No. _____

Collect On Delivery \$ _____ and remit to: _____

Street _____ City _____ State _____

No. _____ Description of Articles, Special Marks, and Exceptions _____ "Weight (Sub. to Car.)" _____ Class _____ Check _____

Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)

95880

36040

Approved # 54541

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Shipper, Per _____

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper _____

(This Bill of Lading is to be signed by the shipper and agent of the carrier (issuing name).)

C. O. D. change to be paid by Shipper ☐ Consignee ☐

Subject to Section 7 of conditions of this shipment is to be delivered to the consignee without recourse on the part of the carrier. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ _____ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (the signature here acknowledges only the amount prepaid.)

Charges Advanced: \$ _____

2

This Shipping Order must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon and retained by the Agent.

Shipper's #

Carrier

Agent's No.

#25

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass Army National Guard**

from **Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542**

The property described below, in approved good order, except as noted (contents and condition of packages unknown), packed, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own vehicle, under the Highway rules or rules, or within the territory of its Highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every vehicle to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the condition on back hereof, which are hereby agreed to by the shipper and accepted or ratified and its assigns.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Destination **357 Mercer Rd** **Norridgewock** City

State of **ME** ZIP Code **04967**

County of

Routing **Delivering Carrier** **Schlegle Transportation Inc.** Vehicle **or Car Initial** **No.**

Collect On Delivery and remit to:

Street

City

State

No. Packages Description of Articles, Special Marks, and Exceptions (Ship to Con.) Weight or Rate Class or Rate Check Column

Non RCRA / Non DOT Regulated Material
(Self Contaminated with low level explosives)
(Demo 1/12)

96100
36500

Approved # 59541

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "tariffed or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Signature

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

2

C. O. D. charge to be paid by Shipper ☐ Consignee ☐

Subject to Section 7 of conditions: If this shipment is to be delivered to the consignee without recourse on the non-signor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here: "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described herein.

Agent or Cashier

Per (the signature here acknowledges only the amount prepaid.)

Charges Advanced:

\$

This Shipping Order must be legibly filled in in ink, in indelible pencil, or in carbon and retained by the Agent.

Shipper's #

Carrier

Agent's No.

#1 THS

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass Army National Guard**

from **Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542**

This property described below, in apparent good order, except as noted (contents unknown) unless, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery as said destination, to its own railroad, water line, highway route or route, or within the territory of its highway operations, otherwise to deliver to another carrier on the road to said destination. It is mutually agreed, as to each carrier of all or any of said property, that all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for forward and his consignee.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Destination **357 Maier Rd.** **Northgeewock** City

State of **MAE**

Zip Code **04957**

County of

Routing

Delivering **Carrie Squeglia Transportation Inc.** Vehicle

or Car Initial

No.

Collect On Delivery

\$ and remit to:

Street

City

State

No. Packages

Description of Articles, Special Marks, and Exceptions

(Weight Sub. to Car.)

Class or Rate

Check Column

Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)

95080
15240

Approved # 57541

"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is 'carriers or shipper's weight.' NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property."

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding



Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

C. O. D. charge to be paid by ☐ Shipper ☐ Consignee

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee, without recourse on the consignee, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described herein.

Agent or Cashier

Per (the signature here acknowledges only the amount prepaid)

Charges Advanced:

2

Base T

Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542
from

(Mail or street address of consignee — For purposes of notification only.)

Consigned to Waste Management - Crossroads

Destination 357 Mercer Rd. Norridgewood

ME 04967
State of _____ Zip Code _____ County of _____

Routing

Delivering Carrier	Vehicle
<u>Squegilia Transportation Inc.</u>	of Car Initial

Collect On Delivery
\$ _____ and remit to: _____

C.O. D. charge to be paid by	Shipper Consignee ☐ ☐

Street

City

State

NO,
Packages

Description of Articles, Special Marks, and Exceptions

Weight
(Sub. to Cor.)

Class or Mate

Check
Column

Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/32)

Approved # 57561

98 960
760
D-36

• If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading on value, shippers are required to state specifically in writing the agreed or declared value of the property

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per W. J. ...

Shipper, Per

Permanent post-office address of shipper, _____

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

#3
MC

Agent's No.

Env. Readiness Ctr., Bldg 1203 Camp Edwards, MA 02842

(Mail or street address of consignee—For purposes of notification only.)

State of _____ Zip Code _____ County of _____

No. _____

City

States

Weight (Sub. to Cor.)	U/A or R

Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)

Approval # 57541

103,580
- 35,900

67,680

(Signature of Consignor,

If charges are to be prepaid, write on stamp here, "TO BE PREPAID."

Received \$ _____ to apply to
prepayment of the charges on the
property described hereon.

Agent or Cashier

Per _____
(the signature here acknowledges only
the amount Prepaid.)

Charges Advanced:

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight" or value, shippers are required to state specifically in writing the agreed or declared value of the property.

NOTE — Where the rate is dependent on weight, the bill of lading must state the weight of the property.

১৯

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper

(This Bill of Lading is to be signed by the shipper and agent of the carrier (issuing settee).)

N

#19

Env. Readiness Ct., Bldg. 1203 Camp Edwards, MA 02542

(Mail or street address of consignee - For purposes of notification only.)

County of

21

signed, without

The carrier str

10/13/2011

1100

Approval # S7541

NOTE - Where the rate is dependent on weight, the bill of lading shall state whether it is "carrier's or shipper's weight."

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Pe

Agent, Per

(This Bill of Lading is to be signed by the shipper and agent of the carrier (issuing carrier).)

Bill of Lading

C. O. D. charge to be paid by	Shipper
	Consignee

Subject to Section 7 of conditions, this shipment is to be delivered to the consignee without recourse on the con-

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write stamp here, "TO BE PREPAID."

Received \$_____ to apply to
prepayment of the charges on the

Agent or Cashier

(The signature here acknowledges only the amount Repaid.)

69

Agent, Per _____

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

Figure 1. The effect of the concentration of the polymer solution on the surface energy of the polymer film. The concentration of the polymer solution was 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, and 1.0 g/dL. The surface energy of the polymer film was measured by the contact angle method. The surface energy of the polymer film was measured by the contact angle method. The surface energy of the polymer film was measured by the contact angle method.

This shipping Order must be legibly filled in, in ink, in Indelible Pen, or in Carbon and retained by the Agent.

Shipper's #
Carrier
Agent's No.

15

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass. Army National Guard**

from **Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542**

the property described below, in apparent good order, except as noted (contents and condition of packages unknown), marked, consigned and delivered as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, and to retain custody, control, and responsibility for the property until it is delivered to the consignee, and to be mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and to each party at any time indicated in all or any of said property, that every agreement to be performed hereunder shall be subject to all the conditions and provisions of the Uniform Rules of the National Motor Freight Association, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted by the carrier and the consignee.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Destination **357 Mercer Rd. Northgrove**

State of **ME** Zip Code **04957**

County of

Routing

Delivering **Carrie/Saugie Transportation Inc.** Vehicle

or Car Initial **No.**

Collect On Delivery and remit to:

Street

City

State

No. Packages

Description of Articles, Special Marks, and Exceptions

Weight (Sub. to Car)

Class of Rate

Check Column

**Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)**

9968D
355

Approved # 57541

If the shipment moves between two parts by a carrier by water, the law requires that the bill of lading shall state whether it is "carriers or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

WMA

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier, issuing same.)

2

C. O. D. charge to be paid by

Shipper ☐ Consignee ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the part of the shipper, the consignee shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount prepaid.)

Charges Advanced:

76

Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

(Mail or street address of consignee - For purposes of notification only.)

County of

 No

State

Class or Rate

Check Column

(Demo 1/32)

Approved # 5754

$$\begin{array}{r} 102560 \\ 39 \end{array}$$

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

C. O. D. charge	Shipper	☐
to be paid by	Consignee	☐

C. O. D. charge	Shipper	☐
to be paid by	Consignee	☐

Subject to Section 7 of conditions, this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write on stamp here, "TO BE PREPAID."

Received \$ _____ to apply to
prepayment of the charges on the
property described hereon.

Agent or Cashier

Per _____
(the signature here acknowledges only
the amount Prepaid.)

Charges Advanced:

\$

This Shipping Order must be legibly filled in, in ink, in indelible pencil, or in carbon and retained by the Agent.

Carrier

Shipper's #
Agent's No.

RECEIVE, subject to the classifications and terms in effect on the date of the issue of this Shipping Order,

at **Mass. Army National Guard**

from **Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02642**

the property described below, in apparent good order, except as noted (contents and condition of packages unknown), packed, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation) in possession of the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of the highway operations, otherwise to deliver to another carrier or the user to said destination. It is mutually agreed that the carrier shall be responsible for the safekeeping of the property and shall be liable for any loss or damage to the property or for any delay in delivery thereof, which was not caused by fire, flood, strike, riot, rebellion, insurrection, war, or any other cause beyond the control of the carrier, and as to each party at any time hereinafter in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions and provisions of the contract, which was heretofore agreed to by the shipper and accepted for himself and the consignee.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Destination **357 Marcer Rd.**

City **Norridgewock**

State of **ME**

Zip Code **04957**

County of

Routing

Delivering
Carrier **Squeegie Transportation Inc.**

Vehicle

or Car Initial

No.

Collect On Delivery

and remit to:

Street

City

State

No. Packages

Description of Articles, Special Marks, and Exceptions

Weight (Gross to Car)

Class or Rate

Check Column

**Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)**

Approved # 57541

9-85420
1-37640

(Signature of Shipper)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ _____ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier's

Per (the signature here acknowledges only the amount prepaid)

Charges Advanced:

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the rated or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier (issuing same).)

2

1

Agents' Mo-

Agents' Mo-

Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542

100

(Mail or street address of consignee -- For purposes of notification only.)

1. *Phragmites* (Common Reed)

— Z

Transportation

[illegible]

City _____

Cor.)

1000

[illegible]

Weight. NOTE

Figure 1

the carrier is still

Figure 6.

Carrier

Agent's No.

RECEIVED, subject to the classifications and terms in effect on the date of the issue of this bill of lading.

at **Mass. Army National Guard**

from

Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542

The property described below is being transported under the terms of the Uniformed Services of America (USA) Bill of Lading, which is hereby incorporated by reference into this bill of lading. It is the responsibility of the shipper to ensure that the property is properly packaged, labeled, and secured for transport. The carrier is not responsible for damage to or loss of property unless it is caused by the negligence of the carrier. The shipper agrees to indemnify the carrier for any and all claims, damages, and expenses incurred by the carrier as a result of the transportation of the property. The shipper also agrees to pay the carrier the full amount of the freight charges and any other charges due to the carrier. The shipper further agrees to sign and deliver to the carrier a bill of lading for the property, which shall be subject to the terms and conditions of the Uniformed Services of America (USA) Bill of Lading. The shipper also agrees to pay the carrier the full amount of the freight charges and any other charges due to the carrier. The shipper further agrees to sign and deliver to the carrier a bill of lading for the property, which shall be subject to the terms and conditions of the Uniformed Services of America (USA) Bill of Lading.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Destination

367 Mercer Rd.**Northgewock**

Street

City

State of

ME

ZIP Code

04967

County of

Routing

Collect On Delivery

and remit to:

Street

City

State

Vehicle

No.

Carrier **Sagele Transportation Inc. or Car Initial**

☐ C. O. D. charge to be paid by Shipper ☐ Consignee

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignee's part, the shipper shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ _____ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____ (the signatory here acknowledges only the amount prepaid)

Charges Advanced

Shipper, Per

Agent, Per

Permanent post-office address of shipper.

(This bill of lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

Approved # 57541

95520

34400

This Shipping Order must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon and retained by the Agent.

Shipper's #

Carrier

Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass. Army National Guard**

from **Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542**

The property described below, in apparent good order, except as noted (contents and condition of packages unknown) marked, consigned and delivered as shown below, which said company (the word company being understood throughout this contract to mean any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery as said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, deliverable to such destination, and to each party at any time intended in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions and prohibitions by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Destination **357 Mercer Rd. Northgewock** City **ME** Zip Code **04957** County of

Routing **Delivering State of ME** Vehicle **Carrier Squeegie Transportation Inc. or Car Initial** No.

Collect On Delivery \$ and remit to:

Street

City

State

No. Packages Description of Articles, Special Marks, and Exceptions

Weight (Sub. to Car.)

Check or Rate

Check Column

Non RCRA / Non DOT Regulated Material (Sol Contaminated with low level explosives) (Demo 1/12)

109380 35860

Approved # 57541

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically, in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

MAAM

Shipper, Per

Permanent post-office address of shipper.

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

2

C. O. D. charge to be paid by Shipper ☐ Consignee ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without request on the consignee, the carrier shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledged only the amount Prepaid)

Charges Advanced:

(This Bill of Lading is to be signed by the shipper and agent of the carrier (see name))

This Shipping Order Must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon and retained by the Agent.

Shipper's # # 31

Carrier

Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at Mass. Army National Guard from Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542

The property described below, in apparent good order, except as noted (contents and condition of packages unopened), is being transported by the carrier named herein, who is mutually agreed, as to each carrier, at all or any of said property over all or any portion of said route to destination, and as to each party at any time thereafter in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, which conditions, including the conditions on which freight, weight and liability are based, are hereby agreed to by the shipper and accepted by the carrier.

Consigned to Waste Management - Crossroads (Mail or street address of consignee - For purposes of notification only.)

Destination 357 Mercer Rd. Northguswick State of ME Zip Code 04957 County of Sagadahoc

Routing Delivering Vehicle Carrier Sagaglia Transportation Inc. or Car Initial No.

Collect On Delivery \$ and remit to:

No. Street City State

Description of Articles, Special Marks, and Exceptions Non RCRA / Non DOT Regulated Material (Sub. to Car.) Weight Class Check

(Soil Contaminated with low level explosives) (Demo 1/12)

98988
36000

(Signature of Consignor)
If charges are to be prepaid, write or stamp here, "TO BE PREPAID."
Received \$ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier
Per (the signature here acknowledges only the amount prepaid.)

Charges Admitted:

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE - Where the rate is dependent on value, shipments are required to state specifically in writing the agreed or declared value of this property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding Approved # 57541 per

Remainder post-office address of shipper. Shipper, Per Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading. 2

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

This Shipping Order Must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon and signed by the Agent.

Shipper's #

44-17

Carrier

Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass. Army National Guard**

from **Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542**

the property described below, in apparent good order, except as noted (contents and condition of packages unknown) marked, consigned and destined as shown below, which said consignment (the word consignment being understood throughout this contract as meaning any period or contract in connection with the property under the contract agrees to carry to the usual place of delivery at such destination, it can be own national, water, fire, highway route or routes, or within the territory of the highest bidder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including all or any of said property, over all or any portion of said route to destination, and all or any of said property, has every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Destination **357 Marcor Rd. Norridgewock**

State of **ME** Zip Code **04957** County of

Routing **Delivering Carrier Squeglia Transportation Inc. or Car Initial** No.

Collect On Delivery and remitt to:

No. Packages **1** Description of Articles, Special Marks, and Exceptions **Non RCRA / Non DOT Regulated Material (Soft Contaminated with low level explosives) (Demo 1/12)** City **Norridgewock** State **ME**

Weight (Sub. to Con.) **105460** Class of Rate **34.285** Check Column

C. O. D. charge ☐ to be paid by ☐ Shipper ☐ Consignee ☐ Subject to Section 7 of conditions. If this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described herein.

Agent or Cashier

Per (the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per **Approved # 57541** Shipper, Per **Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.**

Permanent post-office address of shipper.

(The Bill of Lading is to be signed by the shipper and agent of the carrier (using same).)

This Shipping Order Must be legibly filled in, in ink, in Indefinite Pencil, or in Carbon, Single Copy.

Carrier

Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass. Army National Guard**

from **Env. Readiness Ctr, Bldg 1203 Camp Edwards, MA 02542**

The property described below, in apparent good order, except as noted hereon and condition of contents of packages unknown marked, consigned and delivered as shown below, which said company, the word company being understood throughout this contract as meaning any person or corporation in possession of the property, under the contract, shall be responsible for the safekeeping of the property until it is mutually agreed, as to each carrier, that the property shall be delivered to the consignee at the place of destination, and as to each party at any time thereafter in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions and provisions by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and the consignee.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

Shogren

Destination **367 Maricar Rd.** Street **Northgewock** City

State of **ME** ZIP Code **04957**

County of

Delivering Carrier **Saugella Transportation Inc.** or Car Initial

No.

Routing **Collect On Delivery** and remits to:

Street

City

State

No. Packages

Description of Articles, Special Marks, and Exceptions

Weight (Sub. to Cont.)

Class or Rate

Check Column

**Non RCRA / Non DOT Regulated Material
(Self Contained with low level explosives)
(Demo 1/12)**

*Weight - 104.600
Jaw - 36.820*

Approved # 54541

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carriers or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Per \$

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier, issuing same.)

C. O. D. charge to be paid by ☐ Shipper ☐ Consignee

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the part of the shipper, the consignee shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignee)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount prepaid.)

Charges Advanced:

This Shipping Order must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon and retained by the Agent.

Shipper's #

Carrier

Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at **Mass Army National Guard**

from **Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542**

The property described below, in apparent good order, except as noted, contains and consists of contents of packages unknown material, consigned and described as shown below, which said company (the word company being understood throughout the contract as meaning any person or corporation) is possessing and conveying the property under the contract agrees to carry to its usual place of delivery at said destination, if on its own vehicle, or within the territory of its highway operations, otherwise to deliver to such carrier as it may select, subject to the conditions hereinafter set forth, and as to each party at any time thereafter in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions hereinafter set forth, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted by the carrier and its agents.

(Mail or Street address of consignee.—For purposes of notification only.)

Consigned to **Waste Management - Crossroads**

See back of 29

Destination **357 Mercer Rd. Northgewock**

State of **ME** Zip Code **04957**

County of

Routing

Delivering Carrier **Sauville Transportation Inc.** or Car Initial

Vehicle No.

Collect On Delivery and remit to:

Street

City

State

No. Packages Description of Articles, Special Marks, and Exceptions

Weight (Ship to Doc.)

Class or Rate

Check Column

**Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)**

*House - 45, 100
Junc - 39, 540*

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to, prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount prepaid.)

Charges Advanced:

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carriers or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

per

Shipper Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

This Shipping Order Must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon and retained by the Agent.

Carrier

Shipper's # (#25)
Agent's No.

RECEIVE, subject to the classifications and tariffs in effect on the date of the issue of this Shipping Order.

at Mass. Army National Guard

from ENV. Readiness Ct. Bldg 1203 Camp Edwards, MA 02542

The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company, the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract, agrees to carry to the usual place of delivery at said destination, if on its own railroad, water line, highway route or route, or within the territory of its highway operations, charges to deliver to a carrier or carrier's agent, at the place to which delivery is to be made, in conformity with the conditions and provisions of law, whether printed or written, which shall be deemed to be a part of this contract, and which are hereby agreed to by the shipper and accepted by the carrier and the agent.

(Mail or street address of consignee - For purposes of notification only.)

Consigned to Waste Management - Crossroads

Destination 357 Mercar Rd. Norridgewock ME 04957 County of

Routing

State of ME Zip Code 04957 Vehicle Delivering
Carrier Souadella Transportation Inc. or Car Initial No.

Collect On Delivery and remit to:

Street

City

State

No. Packages Description of Articles, Special Marks, and Exceptions

Weight (Ship to-Load) Class or Rate

C. O. D. charge to be paid by Shipper ☐ Consignee ☐

**Non RCRA / Non DOT Regulated Material
(Soil Contaminated with low level explosives)
(Demo 1/12)**

*Thru 98, 980
Jan 26, 440*

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount prepaid.)

Charges Advanced:

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

Permanent post-office address of shipper,

(This Bill of Lading is to be signed by the shipper and agent of the carrier (issuing same).)

3

Agent's No.

from Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542

... agrees to by the shipper and accepted for himself and his assigns

(Mail of street address of consignee - For purposes of notification only.)

ity.

County of _____

Vehicle

No.

and remit to:

U. O. D. charge to be paid by Shipper
Consignee

Shipper
Consignee

State

Class

*Weight
(Sub. to Cor.)

(Datto 1/12)

8425 / 1000000

(Signature of Consignor.)

If charges are to be prepaid, write on stamp here, "TO BE PREPAID."

Received \$ _____ to apply to
prepayment of the charges on the
property described hereon.

Agent or Cashier

Per _____
(the signature here acknowledges only
the amount Prepaid.)

Charges Advanced:

—

Shipper, Per:

Permanent post-office address of shipper,

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)



THIS MEMORANDUM

Is intended solely for filing or record.

Shipper's #

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading.

at **Mass. Army National Guard**

from **Env. Readiness Ctr. Bldg 1203 Camp Edwards, MA 02542**

The property described below, is apparent good order, except as noted (contents and condition of packages unknown), marked, consigned and destined as shown below, which said company, taking unsecured throughout the contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its stated place of delivery at said destination, it on its own behalf, under time, light, weight, volume or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to said carrier the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to **Waste Management - Crossroads**

(Mail or street address of consignee - For purposes of notification only.)

Destination **357 Maricar Rd. Northborough**

Street

City

State of **ME**

Zip Code **04957**

County of

Routing

Delivering **Gloucester** Vehicle **407** No. **407**

Carrier **Schlegel Transportation Inc.** or Car Initial **407** No. **407**

Collect On Delivery \$ and remit to:

Street

City

State

No. Packages

Description of Articles, Special Marks, and Exceptions

Weight (Sub. to Car.)

Class of Rate

Check Column

Non RCRA / Non DOT Regulated Material
(Soft Contaminated with low level exposures)
(Demo 1/22)

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received \$ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount prepaid.)

Charges Advanced:

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Shipper, Per

Agent, Per

Permanent post-office address of shipper.

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

**Hazardous Waste Manifest
Chemical Waste Management
Model City, NY**

Burn Pits

Q42-BP-002

Q45-BP-002

Q56-BP-002

Excavated Soils

Quad 19

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

(Hazardous Waste Manifest 5/00)

NYH1425726

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. MA 021009273		Manifest Doc. No. 1425726		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.			
3. Generator's Name and Mailing Address Mass Army National Guard Environmental Readiness Ctr-Bldg 1203 Camp Edwards, MA 02542-5003						A. NYH1425726					
4. Generator's Telephone Number (508) 968-5148						B. Generator's ID DRMO Areal Central Impact, Camp Edwards, MA					
5. Transporter 1 (Company Name) Global Remediation Services, Inc.			6. US EPA ID Number MAR000503623			C. State Transporter's ID MA56691					
7. Transporter 2 (Company Name) <i>Global Remediation Services, Inc.</i>			8. US EPA ID Number <i>MAR000503623</i>			D. Transporter's Telephone (617) 364-0012					
9. Designated Facility Name and Site Address CWM Chemical Services, LLC 1550 Balmer Road Model City, NY 14107						E. State Transporter's ID MA76054					
10. US EPA ID Number NYD049836679						F. Transporter's Telephone <i>617-364-0012</i>					
						G. State Facility ID					
						H. Facility Telephone () 716-754-8231					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. RQ, HAZARDOUS WASTE SOLID, n.o.s. 9, NA3077, PGIII (Lead)						12. Containers		13. Total		14. Unit	
						Number Type		Quantity		Wt/Vol	
						001 CM		EST. 36.000		P	
b.										I. Waste No. EPA D008	
c.										STATE	
d.										EPA	
										STATE	
										EPA	
										STATE	
J. Additional Descriptions for Materials listed Above a. VA 7262						K. Handling Codes for Wastes Listed Above a. ☒ T ☐					
b.						b. ☐ ☐					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (8000 424-9300 WMI Contract ERG #171 SR# 71622-1											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name DUSTINE BURROUGHS				Signature <i>Dustine Burroughs</i>				Mo. Day Year 08.26.04			
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Randy Rose				Signature <i>Randy Rose</i>				Mo. Day Year 08.26.04			
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name James Martin				Signature <i>James Martin</i>				Mo. Day Year 08.30.04			
19. Discrepancy Indication Space Act Rec 43740P											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name Michelle Fleck				Signature <i>Michelle Fleck</i>				Mo. Day Year 08.31.04			

USE OF THIS MANIFEST IS LIMITED TO THE GENERATOR'S USE ONLY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. IT IS THE RESPONSIBILITY OF THE GENERATOR TO MAINTAIN THE MANIFEST FOR AT LEAST 3 YEARS AFTER THE DATE OF THE MANIFEST.

GENERATOR STATE - MAILED BY COPY 1 - DISPOSER STATE - MAILED BY TSD FACILITY

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name:

MASS Army National

Manifest Doc. No.:

Profile Number:

VA2242

Guard

State Manifest No.:

NYH1425726

1. Is this waste a non-wastewater? (See 40 CFR 268.2) Check one: Nonwastewater ☐ Wastewater ☒

2. (CIRCLE)

This contaminated soil ~~does~~/does not contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and ~~is subject to/complies with~~ the soil treatment standards as provided by 40 CFR 268.49(c) or the Universal Treatment Standards.

3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If P039, multi-source leachate applies, those constituents present in soil must be listed and attached by the generator. If D001-D043 and/or listed waste, requires treatment of any applicable characteristics and meets 268.48 standards, then the underlying constituent(s) in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008			A-1
2				
3				
4				

To identify P039, D001-D043, or soil underlying hazardous constituent(s), use the "P039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
 If no UHCs are present in the waste upon its initial generation check here: ☒
 To list additional USEPA waste code(s) and subcategory(s), use the supplemental sheet provided and check here:
 If treater will test for all Spent Solvents and UHCs, check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A.1, B.5, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter A.1, B.5, D, or E, you are making the appropriate certification as provided below. States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A.1 RESTRICTED SOIL REQUIRES TREATMENT (Circle)

"I certify under penalty of law that I personally have examined this contaminated soil and it ~~does/does not~~ contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."

B.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

D. RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

E. SOIL IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR 268 Part restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature

Title

Hazwaste Coordinator

Date

08/26/04

NYH1425735

Please type or print. Do not staple.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

10.61
Tons



(Hazardous Waste Manifest 5/00)

Department of Environmental Conservation (518) 457-7382

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. MA 0210092730		Manifest Doc. No. 25735		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.			
3. Generator's Name and Mailing Address Mass Army National Guard Environmental Readiness Ctr-Bldg 1203 Camp Edwards, MA 02542-5003 4. Generator's Telephone Number (508) 968-5146						A. NYH1425735					
5. Transporter 1 (Company Name) Global Remediation Services, Inc.				6. US EPA ID Number MAR000 603683		B. Generator's ID DEMO Area 1 Central Impact, Camp Edwards, MA					
7. Transporter 2 (Company Name)				8. US EPA ID Number		C. State Transporter's ID 76054-MA					
9. Designated Facility Name and Site Address CWM Chemical Services, LLC 1550 Balmer Road Moral City, NY 14107				10. US EPA ID Number NYD049836679		D. Transporter's Telephone 617 364-0012					
						E. State Transporter's ID					
						F. Transporter's Telephone ()					
						G. State Facility ID					
						H. Facility Telephone () 716-754-8231					
11. US DOT Description (including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol	
a. RQ, HAZARDOUS WASTE SOLID, H.O.S. 9, NA3077, PGIII (Lead)						0 0 1 C M		30 000 P		1. Waste No. EPA D008 STATE	
b.										EPA STATE	
c.										EPA STATE	
d.										EPA STATE	
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above					
a. VA 7262						a. ☒ T c. ☐					
b.						b. ☐ d. ☐					
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract ERG #171 SRI 734243-1 NY Permit # MA138											
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name DUSTIN C. HARRIS						Signature Dustin C. Harris Mo. Day Year 09 01 04					
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name James Martin						Signature James Martin Mo. Day Year 09 01 04					
18. Transporter 2 Acknowledgement of Receipt of Materials											
Printed/Typed Name						Signature Mo. Day Year					
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.											
Printed/Typed Name						Signature Mo. Day Year					

COPY 4-GENERATOR STATE - MAILED BY GENERATOR

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name:

MASS Army National

Manifest Doc. No.:

Profile Number:

KA7242

Guard

State Manifest No.:

NYH1425735

1. Is this waste a non-wastewater? (See 40 CFR 268.2) Check one: Nonwastewater ☒ Wastewater ☐

2. (CIRCLE)
This contaminated soil ~~does~~/does not contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and ~~is~~ subject to/complies with the soil treatment standards as provided by 40 CFR 268.49(c) or the Universal Treatment Standards.

3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If P039, multi-source leachate applies, those constituents present in soil must be listed and attached by the generator. If D001-D043 and/or listed waste, requires treatment of any applicable characteristics and meets 268.48 standards, then the underlying constituent(s) in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE	6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
1	D008	DESCRIPTION	NONE
2			A-1
3			
4			

To identify P039, D001-D043, or soil underlying hazardous constituent(s), use the "P039/Underlying Hazardous Constituent Form" provided (CWN-2004) and check here:
If no UHCs are present in the waste upon its initial generation check here: ☒
To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided and check here:
If treater will test for all Spent Solvents and UHCs, check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A-1, B-5, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter A-1, B-5, D, or E, you are making the appropriate certification as provided below. States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

1.1 RESTRICTED SOIL REQUIRES TREATMENT (Circle)

"I certify under penalty of law that I personally have examined this contaminated soil and it ~~does/does not~~ contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."

1.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

SOIL IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR 268 Part restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature Rita E. [Signature] Title Hazwaste Coordinator Date _____

NYH1439766

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212



CWMI

(Hazardous Waste Manifest 5/00)

Please type or print. Do not staple.

If you are unable to call the National Response Center (800) 424-8802 and the NY's Department of Environmental Conservation (518) 457-7362

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. MA0210092730		Manifest Doc. No. 1111		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.			
3. Generator's Name and Mailing Address MASS ARMY NATIONAL GUARD ENVIRONMENTAL READINESS CTR - BLDG 1203 CAMP EDWARDS MA 02542-5003						A. NYH1439766					
4. Generator's Telephone Number (508) 968-5148						B. Generator's ID DEMO AREA 1, CENTRAL IF CAMP EDWARDS MA 02542					
5. Transporter 1 (Company Name) Ameri-Tech Environmental Services			6. US EPA ID Number ME000500595			C. State Transporter's ID 76054MP					
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone (207) 438-9149					
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107						E. State Transporter's ID					
						F. Transporter's Telephone ()					
10. US EPA ID Number NYD049836679						G. State Facility ID					
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol	
						001 CM		EST		25000 P	
J. Additional Descriptions for Materials listed Above a. VA7262 LEAD SOIL						1. Waste No. EPA D008 STATE		K. Handling Codes for Wastes Listed Above a. T c. ☐ b. ☐ d. ☐			
						EPA					
						STATE					
						EPA					
15. Special Handling Instructions and Additional Information CHENTREC Emergency Response Number (800) 424-9300 WMI Contract ERG #171 SR#						SA# 712451-1					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.											
Printed/Typed Name David C. Jacobson			Signature <i>[Signature]</i>			Mo. Day Year 03/10/04					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name James Martin			Signature <i>[Signature]</i>			Mo. Day Year 03/10/04					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature			Mo. Day Year					
19. Discrepancy Indication Space											
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name											
Signature			Mo. Day Year								

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

CONTAMINATED SOILS

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name:

Mass Army National

Manifest Doc. No.:

Profile Number:

VA7242GuardState Manifest No: NYH14397661. Is this waste a non-wastewater? (See 40 CFR 268.2) Check one: Nonwastewater ☒ Wastewater ☐

2. (CIRCLE)

This contaminated soil ~~does~~/does not contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and ~~is subject to/complies with~~ the soil treatment standards as provided by 40 CFR 268.49(c) or the Universal Treatment Standards.

3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If F039, multi-source leachate applies, those constituents present in soil must be listed and attached by the generator. If D001-D043 and/or listed waste, requires treatment of any applicable characteristics and meets 268.48 standards, then the underlying constituent(s) in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008			A-1
2				
3				
4				

To identify F039, D001-D043, or soil underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
 If no UHCs are present in the waste upon its initial generation check here: ☒
 To list additional USEPA waste code(s) and subcategory(s), use the supplemental sheet provided and check here:
 If treater will test for all Spent Solvents and UHCs, check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A.1, B.5, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter A.1, B.5, D, or E, you are making the appropriate certification as provided below. States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A.1 RESTRICTED SOIL REQUIRES TREATMENT (Circle)

"I certify under penalty of law that I personally have examined this contaminated soil and it ~~does/does not~~ contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."

B.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

D. RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart p. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

E. SOIL IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR 268 Part restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature

[Signature]

Title

Env. mgr

Date

3/10/04

(Hazardous Waste Manifest 5/00)

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

COPY 8-GENERATOR - RETAINED BY GENERATOR

CONTAMINATED SOILS

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name:

MASS Army National

Manifest Doc. No.:

Profile Number:

VA7242Guard

State Manifest No:

NYH14397481. Is this waste a non-wastewater? (See 40 CFR 268.2) Check one: Nonwastewater ☐ Wastewater ☒

2. (CIRCLE)

This contaminated soil ~~does~~/does not contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and ~~is subject to/complies with~~ the soil treatment standards as provided by 40 CFR 268.49(c) or the Universal Treatment Standards.

3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If P039, multi-source leachate applies, those constituents present in soil must be listed and attached by the generator. If D001-D043 and/or listed waste, requires treatment of any applicable characteristics and meets 268.48 standards, then the underlying constituent(s) in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008			A-1
2				
3				
4				

To identify P039, D001-D043, or soil underlying hazardous constituent(s), use the "P039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
 If no UHCs are present in the waste upon its initial generation check here: ☒
 To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided and check here:
 If treater will test for all Spent Solvents and UHCs, check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A.1, B.5, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter A.1, B.5, D, or E, you are making the appropriate certification as provided below. States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A.1 RESTRICTED SOIL REQUIRES TREATMENT (Circle)

"I certify under penalty of law that I personally have examined this contaminated soil and it ~~does/does not~~ contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."

B.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

D. RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

E. SOIL IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR 268 Part restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature

WDC-JE

Title

Env. Mgr.

Date

03/10/04

Form CWM-2005-E (9/99)

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYH1439775

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

Q42 Demo



CVH1

1021 (Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No.		Manifest Doc. No.		2. Page 1 of		Information within heavy bold line is not required by Federal Law.					
3. Generator's Name and Mailing Address MASS ARMY NATIONAL GUARD ENVIRONMENTAL READINESS CTP CAMP EDWARDS MA 02542-1001						A. NYH1439775							
4. Generator's Telephone Number (508) 548-5140						B. Generator's ID CAMP EDWARDS MA 02542							
5. Transporter 1 (Company Name) AMERITECH Environmental Services			6. US EPA ID Number F8PDP595			C. State Transporter's ID							
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone (508) 548-5140							
9. Designated Facility Name and Site Address AMERITECH SERVICES, LLC 100 BALDWIN RD. MIDDLETOWN NY 14107						E. State Transporter's ID							
10. US EPA ID Number						F. Transporter's Telephone ()							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. PO, HAZARDOUS WASTE, SOLID, N.O.T.C. HAZARD, 111, 111, 111						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No. EPA STATE	
b.												EPA STATE	
c.												EPA STATE	
d.												EPA STATE	
J. Additional Descriptions for Materials listed Above a. VAT202 LEAD SOIL						K. Handling Codes for Wastes Listed Above a. ☒ c. ☐							
b.						b. ☐ d. ☐							
15. Special Handling Instructions and Additional Information EMERGENCY Response Number (800) 424-9300 HMI Contact: 717 575 1125													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name						Signature				Mo. Day Year 3 3 04			
17. Transporter 1 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Mo. Day Year 3 3 04			
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name						Signature				Mo. Day Year			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name						Signature				Mo. Day Year			

COPY 8-GENERATOR - RETAINED BY GENERATOR

In case of emergency or spill immediately call the National Response Center (800) 424-9802 and the NYS Department of Environmental Conservation (518) 473-3200

CONTAMINATED SOILS

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name: MASS Army National Manifest Doc. No.: _____
 Profile Number: VA7242 Guard State Manifest No: NYH1439775

1. Is this waste a non-wastewater? (See 40 CFR 268.2) Check one: Nonwastewater ☒ Wastewater _____

2. (CIRCLE)

This contaminated soil ~~does~~/does not contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and ~~is subject to/complies with~~ the soil treatment standards as provided by 40 CFR 268.49(c) or the Universal Treatment Standards.

3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If P039, multi-source leachate applies, those constituents present in soil must be listed and attached by the generator. If D001-D043 and/or listed waste, requires treatment of any applicable characteristics and meets 268.48 standards, then the underlying constituent(s) in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008			A-1
2				
3				
4				

To identify P039, D001-D043, or soil underlying hazardous constituent(s), use the "P039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
 If no UHCs are present in the waste upon its initial generation check here: ☒
 To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided and check here:
 If treater will test for all Spent Solvents and UHCs, check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A.1, B.5, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter A.1, B.5, D, or E, you are making the appropriate certification as provided below. States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A.1 RESTRICTED SOIL REQUIRES TREATMENT (Circle)

"I certify under penalty of law that I personally have examined this contaminated soil and it ~~does/does not~~ contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."

B.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

D. RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

E. SOIL IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR 268 Part restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [Signature] Title Env. Mgr Date 03/03/04

Demol-lead
Q42



CWM

NYH1425177

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Hazardous Waste Manifest 5/00)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. MA10121101019121730		Manifest Doc. No. 25177		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.							
3. Generator's Name and Mailing Address MASS ARMY NATIONAL GUARD ENVIRONMENTAL READINESS CTR - BLDG 1203 CAMP EDWARDS MA 02642-5003 4. Generator's Telephone Number (508) 968-5148						A. NYH1425177									
5. Transporter 1 (Company Name) Global Remediation Serv Inc						B. Generator's ID DRMO AREA 1, CENTRAL IM CAMP EDWARDS MA 02542									
6. US EPA ID Number MAR000503603						C. State Transporter's ID 76034-ma									
7. Transporter 2 (Company Name)						D. Transporter's Telephone (617) 364-0012									
8. US EPA ID Number						E. State Transporter's ID									
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107						F. Transporter's Telephone ()									
10. US EPA ID Number NYD049836579						G. State Facility ID									
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. RC, HAZARDOUS WASTE, SOLID, N.O.S., NA3077, III, (LEAD)						0 0 1 C M		22000		P		EPA D008 STATE			
b.												EPA STATE			
c.												EPA STATE			
d.												EPA STATE			
J. Additional Descriptions for Materials listed Above						K. Handling Codes for Wastes Listed Above									
a. VA7262						b. ☒		c. ☐							
b. Lead Soil						b. ☐		d. ☐							
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract ERG #171 SR# 721691															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name DUSTIN BURROUGHS						Signature Dustin Burroughs						Mo. Day Year 05 25 09			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name James Martin						Signature James Martin		Mo. Day Year 05 26 09	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature		Mo. Day Year	
19. Discrepancy indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name						Signature						Mo. Day Year			

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

manifest 10/1/09

CONTAMINATED SOILS

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name:

Mass Army National

Manifest Doc. No.:

Profile Number:

VA7242GuardState Manifest No: NYH1425168

1. Is this waste a non-wastewater? (See 40 CFR 268.2) Check one: Nonwastewater ☒ Wastewater ☐
2. (CIRCLE)
This contaminated soil ~~does~~/does not contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and ~~is subject to/complies with~~ the soil treatment standards as provided by 40 CFR 268.49(c) or the Universal Treatment Standards.
3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If F039, multi-source leachate applies; those constituents present in soil must be listed and attached by the generator. If D001-D043 and/or listed waste, requires treatment of any applicable characteristics and meets 268.48 standards, then the underlying constituent(s) in the waste must be listed and attached.

ROW #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008			A-1
2				
3				
4				

To identify F039, D001-D043, or soil underlying hazardous constituent(s), use the "F039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
 If no UHCs are present in the waste upon its initial generation check here: ☒
 To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided and check here:
 If treater will test for all Spent Solvents and UHCs, check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A.1, B.5, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter A.1, B.5, D, or E, you are making the appropriate certification as provided below. States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A.1 RESTRICTED SOIL REQUIRES TREATMENT (circle)

"I certify under penalty of law that I personally have examined this contaminated soil and it ~~does/does not~~ contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."

B.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

D. RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

E. SOIL IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR 268 Part restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature

[Signature]

Title

Hazardous Waste Coordinator

Date

05/25/04

Form CWM-2005-E (9/99)

NYH1425168

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS
HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Demol lead
CWM (Hazardous Waste Manifest 5/00)

Please type or print. Do not staple.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA No. MA0210092730		Manifest Doc. No.		2. Page 1 of 1		Information within heavy bold line is not required by Federal Law.					
3. Generator's Name and Mailing Address MASS ARMY NATIONAL GUARD ENVIRONMENTAL READINESS CTR - BLDG 1203 CAMP EDWARDS MA 02542-5003						A. NYH1425168							
4. Generator's Telephone Number (508) 968-5148						B. Generator's ID DRMO AREA 1, CENTRAL IM CAMP EDWARDS MA 02542							
5. Transporter 1 (Company Name) <i>Global Remediation Service Inc.</i>			6. US EPA ID Number MAR000503683			C. State Transporter's ID 76054							
7. Transporter 2 (Company Name)			8. US EPA ID Number			D. Transporter's Telephone (617) 634-0012							
9. Designated Facility Name and Site Address CWM CHEMICAL SERVICES, L.L.C. 1550 BALMER RD. MODEL CITY NY 14107						E. State Transporter's ID							
10. US EPA ID Number NYD049836879						F. Transporter's Telephone ()							
						G. State Facility ID							
						H. Facility Telephone () 716 754-8231							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., NA3077, III, (LEAD) b. c. d.						12. Containers Number Type		13. Total Quantity		14. Unit Wt/Vol		1. Waste No.	
						0 0 1 C M		(54) 53000		P		EPA D008	
												STATE	
												EPA	
												STATE	
J. Additional Descriptions for Materials listed Above a. VA7262						K. Handling Codes for Wastes Listed Above a. ☒ T c. ☐							
b. Lead Soil						b. ☒ d. ☐							
15. Special Handling Instructions and Additional Information CHEMTREC Emergency Response Number (800) 424-9300 WMI Contract ERG #171 SR# 721693													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a smaller generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name DUSTIN C. BURROUGHS				Signature <i>Dustin C. Burroughs</i>		Mo. Day Year 10 12 04							
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name James Martin		Signature <i>James Martin</i>		Mo. Day Year 06 02 04					
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Mo. Day Year					
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name				Signature		Mo. Day Year							

COPY 3-DISPOSER STATE - MAILED BY GENERATOR

CONTAMINATED SOILS

LAND DISPOSAL NOTIFICATION AND CERTIFICATION FORM

Generator Name:

Mass Army National

Manifest Doc. No.:

Profile Number:

VA7242GuardState Manifest No: NYH14251681. Is this waste a non-wastewater? (See 40 CFR 268.2) Check one: Nonwastewater ☐ Wastewater ☒

2. (CIRCLE)

This contaminated soil ~~does~~/does not contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and is subject to/complies with the soil treatment standards as provided by 40 CFR 268.49(c) or the Universal Treatment Standards.

3. Identify ALL USEPA hazardous waste codes that apply to this waste shipment, as defined by 40 CFR 261. For each waste code, identify the corresponding subcategory, or check NONE if the waste code has no subcategory. Spent solvent treatment standards are listed on the following page. If P039, multi-source leachate applies, those constituents present in soil must be listed and attached by the generator. If D001-D043 and/or listed waste, requires treatment of any applicable characteristics and meets 268.48 standards, then the underlying constituent(s) in the waste must be listed and attached.

REF #	4. US EPA HAZARDOUS WASTE CODE(S)	5. SUBCATEGORY ENTER THE SUBCATEGORY DESCRIPTION. IF NOT APPLICABLE, SIMPLY CHECK NONE		6. HOW MUST THE WASTE BE MANAGED? ENTER LETTER FROM BELOW
		DESCRIPTION	NONE	
1	D008			A-1
2				
3				
4				

To identify P039, D001-D043, or soil underlying hazardous constituent(s), use the "P039/Underlying Hazardous Constituent Form" provided (CWM-2004) and check here:
 If no UHCs are present in the waste upon its initial generation check here: ☒
 To list additional USEPA waste code(s) and subcategory(ies), use the supplemental sheet provided and check here:
 If treater will test for all Spent Solvents and UHCs, check here:

HOW MUST THE WASTE BE MANAGED? In column 6 above, enter the letter (A.1, B.5, or E) below that describes how the waste must be managed to comply with the land disposal regulations (40 CFR 268.7). Please understand that if you enter the letter A.1, B.5, D, or E, you are making the appropriate certification as provided below. States authorized by EPA to manage the LDR program may have regulatory citations different from the 40 CFR citations listed below. Where these regulatory citations differ, your certification will be deemed to refer to those state citations instead of the 40 CFR citations.

A.1 RESTRICTED SOIL REQUIRES TREATMENT (Circle)

"I certify under penalty of law that I personally have examined this contaminated soil and it ~~does/does not~~ contain listed hazardous waste and ~~does/does not~~ exhibit a characteristic of hazardous waste and requires treatment to meet the soil treatment standards as provided by 40 CFR 268.49(c)."

B.5 RESTRICTED SOIL TREATED TO ALTERNATE PERFORMANCE STANDARDS

"I certify under penalty of law that I have personally examined and am familiar with the treatment technology and operation of the treatment process used to support this certification and believe that it has been maintained and operated properly so as to comply with treatment standards specified in 40 CFR 268.49 without impermissible dilution of the prohibited wastes. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

D. RESTRICTED SOIL CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate, and complete. I am aware there are significant penalties for submitting a false certification, including the possibility of fine and imprisonment."

E. SOIL IS NOT CURRENTLY SUBJECT TO PART 268 RESTRICTIONS

This waste is a newly identified waste that is not currently subject to any 40 CFR 268 Part restrictions.

I hereby certify that all information submitted in this and all associated documents is complete and accurate, to the best of my knowledge and information.

Signature [Signature] Title Hazardous Waste Coordinator Date 09/25/04

Form CWM-2005-E (9/99)

**Hazardous Waste Manifest
Jones Environmental Services
Lowell, Ma**

Burn Pit

Q44-BP-001



COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street
Boston, Massachusetts 02108

Demo 1 Burn Pit
Q44-BP-001

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator US EPA ID No. MA00110092730	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address Mass Army National Guard Environmental Readiness Ctr-Bldg. 1203 Camp Edwards, MA 02542-5003 (508) 962-6148								
4. Generator's Phone								
5. Transporter 1 Company Name Transport Rellex Inc.						6. US EPA ID Number NYT006000003		
7. Transporter 2 Company Name						8. US EPA ID Number		
9. Designated Facility Name and Site Address Jones Environmental Services (NE) Inc. 263 Howard Street Lowell, MA 01852		10. US EPA ID Number MA004707573						
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers					13. Total Quantity	
a. EQ Waste Mercury 8, UN2809, PG111 (D009)		No. Type					Unit Wt/Vol	
b.								
c.								
d.								
15. Special Handling Instructions and Additional Information Emergency Contact: 800-385-7916 a. EPC 172								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name		Signature		Date Month Day Year				
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date Month Day Year				
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date Month Day Year				
19. Discrepancy Indication Space								
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name		Signature		Date Month Day Year				

MA 0634627 COPY>B: GENERATOR RETAINS

COPY>B:

GENERATOR RETAINS

14.84 tons



Page 1 of 1

Manifest No. MAQ634627

Generator Name: Mass Army National Guard USEPA ID No. MA0210092730

Generator Address: Environmental Readiness Ctr-Bldg 1203 Camp Edwards, MA 02542

INSTRUCTIONS

- In Column 1, identify all USEPA hazardous waste codes that apply to this waste shipment.
- In Column 2, choose the appropriate treatability group: Non-Wastewater (NWW) or Wastewater (WW).
- In Column 3, enter the appropriate Subcategory, if applicable, and also enter "Contaminated Soil" or "Debris" if the waste will be treated using one of the alternative treatment technologies provided by 268.49 (c) (soil) or 268.45 (debris).
- In Column 4, circle the letter of the appropriate paragraph from pages 1-2 of this form.
- In Column 5, for F001-5, F039, D001-D043, Debris & Contaminated Soil wastes, enter the reference number(s) from the Resource Guide-LDR/UHC Constituent Table for any constituents subject to treatment in your waste stream.

Manifest Line Item #	USEPA HAZARDOUS WASTE CODE(S)	NWW or WW	SUBCATEGORY	HOW MUST WASTE BE MANAGED? (CIRCLE ONE)	REFERENCE NUMBER(S) of Hazardous Constituents contained in waste. Complete for F001-5, F039, D001-D043, Soil & Debris wastes.
11A	D009	☒ NWW ☐ WW	High Mercury, Inorganic	(A) B C D E F G H I J K L M S	None
11B		☐ NWW ☐ WW		A B C D E F G H I J K L M S	
11C		☐ NWW ☐ WW		A B C D E F G H I J K L M S	
11D		☐ NWW ☐ WW		A B C D E F G H I J K L M S	

I hereby certify that all the information submitted on this and all associated documents is complete and accurate to the best of my knowledge and information.

Generator Signature: Dustin C. Bloughs Title: Hazwaste Coordinator

Printed Name: Dustin C. Bloughs Date: _____

*****HOW MUST THE WASTE BE MANAGED?*****

- A. THIS RESTRICTED WASTE REQUIRES TREATMENT TO THE APPLICABLE STANDARD. This waste must be treated to the applicable performance based treatment standard set forth in 40 CFR Part 268 Subpart C, 268.32, Subpart D, 268.49 or RCRA Section 3004(d) prior to land disposal.
- B. THIS RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT TREATMENT. I certify under penalty of law that I have personally examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR Part 268 Subpart D and all applicable prohibitions set forth in 40 CFR 268.32 or RCRA Section 3004(d). I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment.
- C. THIS HAZARDOUS DEBRIS IS SUBJECT TO THE ALTERNATIVE TREATMENT STANDARDS OF 40 CFR 268.45.

**Hazardous Waste Manifest
Complete Recycling Solutions
Fall River, Ma**

Scrap from Burn Pit

Q44-BP-001



COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS MATERIALS
One Winter Street
Boston, Massachusetts 02108

Demo 1
Hg Contaminated
Scrap & Hg Switches

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator US EPA ID No. MA 0225D002730	Manifest Document No. 72730	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address ENV. BRADPESSE CTR, BLDG. 1203 CAMP EIRAKIS MA 02442-5003							
4. Generator's Phone (302) 948-1148							
5. Transporter 1 Company Name EPA PORTLAND, INC.						6. US EPA ID Number MA 02084814130	
7. Transporter 2 Company Name						8. US EPA ID Number	
9. Designated Facility Name and Site Address WATERFORD RECYCLING SOLUTIONS, LLC ONE FAIRVIEW DR. UNIT 7 FALL RIVER MA 02723						10. US EPA ID Number MA 02060510123	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol		
a. Hg Contaminated Scrap, (0004)		004	34	011214			
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information EMERGENCY CONTACT: 800-535-5054 7 888172							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.							
Printed/Typed Name [Signature]		Signature [Signature]		Date Month Day Year 01-1-89			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name [Signature]		Signature [Signature]		Date Month Day Year 01-2-89			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name		Signature		Date Month Day Year			

LAND DISPOSAL RESTRICTION FORM

Generator Information:

MASS ARMY NATIONAL GUARD
DEMO AREA 1 CENTRAL IMPACT
CAMP EDWARDS, MA 02542
EPA ID #: MA0210092730

Profile Number:

Waste Code(s): D009

Name of Waste: MERCURY CONTAMINATED DEBRIS

State Manifest Number: MAM128948 Line Item a

Federal Manifest Number:

Treatability Group: Non-Wastewater

A. F001-F005 Solvent Restrictions

There are no F001-F005 solvent restricted wastes present that are banned from land disposal under 40 CFR 268.30.

B. Other Regulated Waste Notification

This section includes all wastes restricted from land disposal not included in other sections. If any treatment standards reference 268.48, then all underlying hazardous constituents are listed in Section D.

EPA Code(s)	Waste Description and Treatment/Regulatory Subcategory	Hazardous Constituent(s)	Total Concentration in mg/l (WW), mg/kg (NW) Referenced	Technology Code or Treatment Standard
D009	Characteristic of toxicity for mercury (TCLP in SW846 Method 1310); contains greater than or equal to 250mg/kg total mercury (High Mercury)	Mercury	IMERC, or	AERC

C. D001-D003

There are no D001-D003 restricted wastes present that are banned from land disposal.

D. Underlying Hazardous Constituents

There are no underlying hazardous constituents present as defined in 268.2(f).

E. Non-Hazardous/Non-Restricted Waste

There are no EPA waste codes that are not subject to land disposal restrictions as specified in 40 CFR 268, Subpart D or applicable prohibitions in 40 CFR 268.32 or RCRA Section 3004(d).

F. Certification(s)

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

Name _____

Signature _____

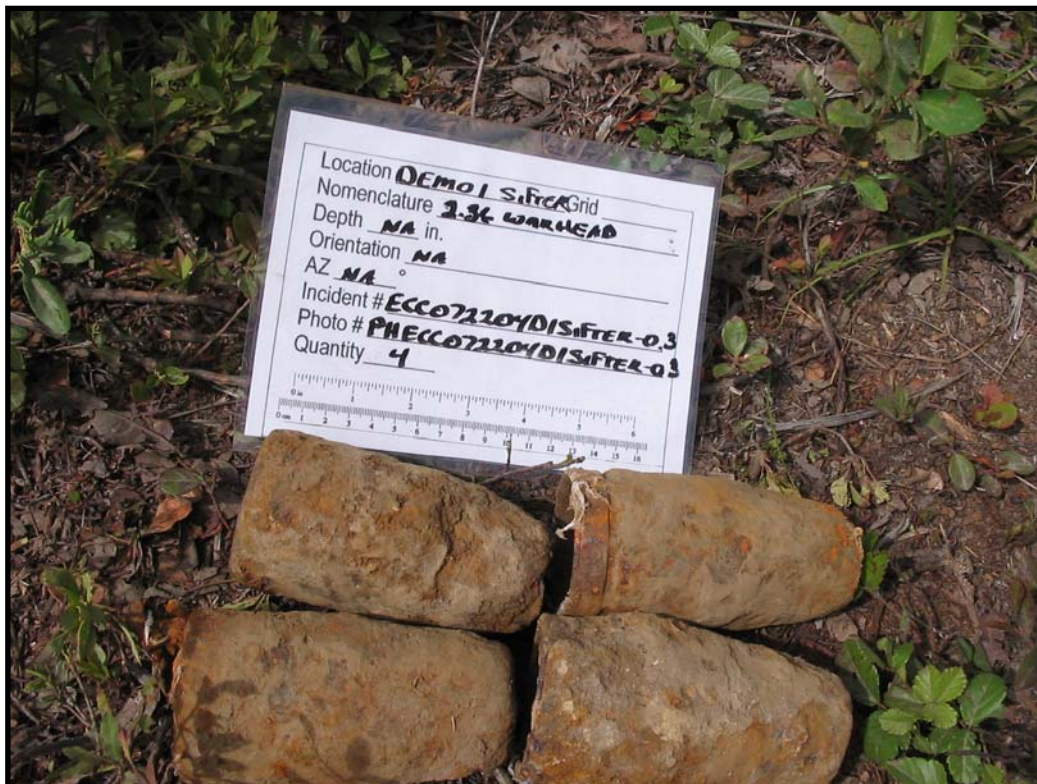
Title _____

Date _____

Appendix H
Photographs



Photograph 3-1 Pre-excitation UXO clearance by grid



Photograph 3-2 Example of CDC MEC items



Photograph 3-3 Example of BIP MEC items



Photograph 3-4 Example of Munitions Debris



Photograph 3-5 Example of Range Related Debris



Photograph 3-6 Example of Range Related Debris



Photograph 3-7 UXO personnel were present during all excavation activities



Photograph 3-8 Excavation of test trench



Photograph 3-9 Natural stratification of the soils on the trench sidewall.



Photograph 3-10 Items being removed from burn pit



Photograph 4-1 Demo Area 1 – Erosion control and vegetation



Photograph 4-2 Demo Area 1 – Graded and backfilled



Photographs 4-3: Rows of transplanted plants along northern slope of Demo 1,
Fall 2006

Appendix I

RCL to the Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closure Report
and
EPA and MassDEP Approval Letters



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1

1 CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

February 13, 2009

Kent Gonser
Impact Area Groundwater Study Program
1803 West Outer Road
Camp Edwards, MA 02542

RE: *Draft Demolition Area 1 Source Area Completion of Work Report, Camp Edwards,
Massachusetts Military Reservation, Cape Cod, Massachusetts, January 9, 2009*

Dear Mr. Gonser:

The U.S. Environmental Protection Agency (EPA) has reviewed the *Draft Demolition Area 1 Source Area Completion of Work Report, Camp Edwards, Massachusetts Military Reservation, Cape Cod, Massachusetts* dated January 9, 2009 ("Report") and conditionally approves the document with required modifications in accordance with Section XV of Administrative Orders SDWA I-97-1019 and SDWA I-2000-0014. EPA's conditions are found in an attachment to this letter. The Impact Area Groundwater Study Program ("IAGSP") shall revise the above-referenced Report and submit such revised Report to EPA by March 16, 2009. Please contact me, or Bob Lim at (617) 918-1392, with any questions on this letter.

Sincerely,

A handwritten signature in black ink that reads "Bob Lim for".

Lynne A. Jennings
MMR Team Leader

Attachment

cc: Len Pinaud/MassDEP
Jane Dolan/EPA
Desiree Moyer/EPA
Carol Keating/EPA
Bob Lim/EPA
Ron Fein/EPA
Tim Conway/EPA

ATTACHMENT

The following are EPA's conditions on the document entitled *Draft Demolition Area 1 Source Area Completion of Work Report, Camp Edwards, Massachusetts Military Reservation, Cape Cod, Massachusetts*, January 9, 2009. The IAGSP shall address all conditions below in its revised Report submittal.

1. Table of Contents – Formatting. Capitalize text in Section 4.0, 5.0, 6.0, and 7.0.
2. Page ES-3, Last Paragraph – At end of paragraph, suggest adding “Based on the types of contaminants detected, their levels and frequencies of detection, no further assessment or remediation outside perimeter road is warranted.”
3. Page 5-1, Section 5.0, 1st Paragraph – This report doesn't have a mention of the magnetometer survey completed outside of the perimeter road. Add text (2nd and 3rd sentences) from first paragraph in Section 1.1 in Draft Revised Supplemental Post-Screening Investigation Summary Report.
4. Page 5-1, Section 5.0, 3rd Paragraph, Last Sentence – Suggest rephrasing to “Based on the types of contaminants detected, their levels and frequencies of detection, no further assessment or remediation outside perimeter road is warranted.”
5. Page 5-1, Section 5.0, 4th Paragraph, 1st Sentence – Add “Long-term groundwater” to beginning in front of “monitoring.”
6. Page 6-1, Section 6.0, 4th Paragraph – Add in parentheses the year for maximum detections to identify time period for concentration drop observation.
7. Page 6-1, Section 6.0, Top of Page, Last Sentence - – Suggest rephrasing to “Based on the types of contaminants detected, their levels and frequencies of detection, no further assessment or remediation outside perimeter road is warranted.”
8. Appendix D – Update upon finalization of document.

From: Pinaud, Leonard (DEP) [<mailto:Leonard.Pinaud@state.ma.us>]
Sent: Monday, April 06, 2009 1:53 PM
To: Curley, Kristina S Ms NGMA; Gregson, Ben P Mr NGMA
Cc: Lim.Robert@epamail.epa.gov; Wood, Donald G NAE; Cui, Henry (DEP)
Subject: RE: Add'l Figures and Chart for Demo 1 COWR (UNCLASSIFIED)

Kris/Ben;

Thank you for pulling this information together and formatting it. MassDEP recommends the document be finalized with the discussed changes. Thanks--Len

From: Curley, Kristina S Ms NGMA [<mailto:kristina.curley@us.army.mil>]
Sent: Thursday, April 02, 2009 5:09 PM
To: Cui, Henry (DEP); Pinaud, Leonard (DEP)
Cc: Gregson, Ben P Mr NGMA; Lim.Robert@epamail.epa.gov; Wood, Donald G NAE
Subject: FW: Add'l Figures and Chart for Demo 1 COWR (UNCLASSIFIED)

Classification: UNCLASSIFIED

Caveats: NONE

Henry,

Here's the revised table for the weighted average. We will put it in the same format as we sent earlier for Table 3-8, but wanted you to have this for review.

Best regards,

Kris

Kristina S. Curley
Public Affairs Specialist
Impact Area Groundwater Study Program
Phone: 508-968-5626
Cell: 774-406-6290

email: kristina.curley@us.army.mil



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1

1 CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

February 12, 2009

Kent Gonser
Impact Area Groundwater Study Program
1803 West Outer Road
Camp Edwards, MA 02542

RE: Responses to Comments Letter on the *Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closure Report*, dated January 9, 2009

Dear Mr. Gonser:

The U.S. Environmental Protection Agency (EPA) has reviewed the Responses to Comments Letter on the *Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closure Report*, dated January 9, 2009 and finds the responses to be acceptable. Please contact me, or Bob Lim at (617) 918-1392, with any questions on this letter.

Sincerely,

A handwritten signature in black ink, which appears to read "Bob Lim" followed by a flourish.

Lynne A. Jennings
MMR Team Leader

cc: Len Pinaud/MassDEP
Jane Dolan/EPA
Desiree Moyer/EPA
Carol Keating/EPA
Bob Lim/EPA
Ron Fein/EPA
Tim Conway/EPA



January 9, 2009

Ms. Lynne Jennings
EPA – New England Region 1
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Via: Email and Fed/Ex

Mr. Len Pinaud
Massachusetts Dept. of Environmental Protection
20 Riverside Drive
Lakeville, MA 02347

Via: Email and Fed/Ex

Subject: Impact Area Groundwater Study Program (IAGWSP)
USEPA Region I Administrative Orders SDWA 1-97-1019 & 1-2000-0014
**Responses to Comments Letter on the Draft Demolition Area 1
Soil RRA and Soil Operable Unit Closure Report**

Dear Ms. Jennings and Mr. Pinaud:

ECC is pleased to provide the Responses to USEPA and MassDEP comments on the *Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closure Report*, dated December 21, 2005 on behalf of the US Army Environmental Command's Impact Area Groundwater Study Program Office (IAGWSP) and the U.S. Army Corps of Engineers (USACE). All changes included in the responses are incorporated in the newly titled document - *Draft Demolition Area 1 Source Area Completion of Work Report*, dated January 9, 2009.

Please contact Paul Nixon of the IAGWSP, or Dave Margolis or Don Wood of USACE if you have any questions.

Sincerely,

Paul C. Hunt, Jr., PE, PMP
Program Manager

Attachment: Response to USEPA and MassDEP comments on the *Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closure Report*
(EPA and MassDEP 1 hard copy (HC) each)

Ms. Jennings and Mr. Pinaud

January 9, 2009

Page 2

cc: (E-mail only unless noted otherwise)

EPA : B. Lim (1 HC)

MassDEP: M. Panni

IAGWSP: B. Gregson, P. Nixon, K. Curley and M. Goulet

USACE: G. Kaso, D. Wood, J. MacPherson, and D. Margolis

AFCEE: B. Connolly

ECC: P. Hunt, S. Gangopadhyay, M. Goydas, J. Fein, and A. Heaton (1 HC and 1 CD)

Attachment 1

**Responses to EPA Comments on the
Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closure Report**

IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005

EPA comments were provided by Ms. Lynne Jennings via letter on May 9, 2006.

EPA comments are in **bold**, the responses are in normal font.

GENERAL COMMENTS

1. Report Title and Site Closeout –

- a. Title - Consistent with the Administrative Order, this report should be primarily titled a Completion of Work Report. In addition, report should be retitled to “Source Area” rather than “Soil.” Body text should clearly define “Source Area” as two components, soil and UXO.
- b. With regard to the recommendation of closeout for the soil operable unit for Demo 1, EPA does not agree for two reasons. As we have stated with Demo 2 soil operable unit, EPA cannot make a final decision regarding Demolition Area 1 operable unit closeout until the final remedy for groundwater is implemented and cleanup levels are achieved. We stated this position in our cover letter for the Memorandum of Resolution for the *Draft Demolition Area 2 Soil Rapid Response Action Completion of Work and Operable Unit Closure Report*. Given this, EPA believes that Section 5.0 should be retitled simply “Conclusion and Recommendation” since it appears that EPA and IAGWSP will have a continued difference of opinion with regard to site closeout.

Our second reason is based on the fact that this report does not adequately present all the site information collected to date. We have reviewed the case history for Demo 1 and find a state of incompleteness for the investigation of the area outside of Perimeter Road. The *Draft Demo 1 RRA/RAM Plan* discusses a post-screening investigation, however that data has never been submitted for regulatory review because the *Final Demo 1 RRA/RAM Plan* was never issued. In addition, this draft completion of work report does not present the geophysical anomaly investigation of three areas outside of Perimeter Road (See attached figures).

As part of the response to comment letter, EPA requests a separate, draft technical memorandum presenting the soil sampling data, an assessment of the data, and a recommendation for any follow-up investigation work, as appropriate. Once finalized (if no follow-on work is required), this technical memorandum can be an appendix to this report.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

RESPONSE:

1a) The title of the document will be revised to: "*Demolition Area 1 Source Area Completion of Work Report*". Where appropriate, the report text will be changed from "soil" to "source area".

1b) References to source area closure will be deleted. Section 5.0 was added to incorporate the Supplemental Post Screening Investigation Report which is included as an appendix. Section 6.0 (previously 5.0) was revised and retitled "Conclusions."

- 2. Documentation for Off-site Disposal – This report should contain an appendix with copies of records for all shipments of soil to both Subtitle C and D TSDFs. This should include the Demo 1 BIP crater soils that were reported to be transported for off-site disposal in the 20 January 2006 Weekly Update.**

RESPONSE:

Records of all soil shipments from Demo 1 will be included as an appendix.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

SPECIFIC COMMENTS

1. **ES-1, 3rd Paragraph – Include general start and end date (month and year) for response activities.**

RESPONSE:

The start and end date was included.

2. **ES-1, 4th Paragraph, 2nd Sentence – Add in parentheses a list of other explosive contaminants after “contaminants.”**

RESPONSE:

This paragraph was deleted from the text.

3. **ES-2, 2nd Full Paragraph, Last Sentence – Identify which quad was excavated deeper for perchlorate.**

RESPONSE:

The last sentence in the 2nd Full Paragraph on Page ES-2 was re-written to include the quadrant.

4. **ES-1, 7th Paragraph – Please note the final depth of the soil excavation inside the 120-foot contour.**

RESPONSE:

The 2nd sentence in the 7th Paragraph on Page ES-1 was re-written to include this information.

5. **ES-3, 3rd Paragraph, 1st Sentence**
 - a. **Delete this sentence since it is superfluous and is repeated in the 5th Paragraph where it makes better sense.**
 - b. **Add also a summary of confirmatory investigation of selected “no find” locations.**

RESPONSE:

5a) The sentence was deleted.

5b) Text was added. This is now paragraph 4 of ES-2.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

- 6. ES-3, 3rd Paragraph, 5th Sentence – Add “analog” after “hand-held.”**

RESPONSE:

This sentence was deleted.

- 7. ES-3, 3rd Paragraph, 7th Sentence – Please explain the percentage of quality control surveys were conducted of the total.**

RESPONSE:

Text was added. This is now paragraph 4 of ES-2.

- 8. ES-3, 4th Paragraph – Paragraph should begin with date when regulatory agencies provided IAGWSP with approval to backfill at Demo 1. It should summarize restoration activities completed to date and any follow-up operation and maintenance activities at the site to ensure that site meets restoration plan goals.**

RESPONSE:

This paragraph was deleted.

- 9. ES-3, 5th Paragraph – See general comment 1b. In addition, detections in the area to the north side of the Perimeter Road challenge the validity of the statement in the 3rd sentence.**

RESPONSE:

Text has been rewritten and a section on Supplemental Post-Screening Investigation Report was added as Paragraph 2 on ES-3.

- 10. ES-4, Last Paragraph – See general comment 1b.**

RESPONSE:

This Paragraph was deleted.

- 11. Page 1-1, Section 1.0, 1st Paragraph, 1st Sentence – See general comment 1a. Report title should be consistently referred to as Soil Operable Unit Completion of Work Report.**

RESPONSE:

The report title was revised.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

- 12. Page 1-1, Section 1.0, 1st Paragraph, 3rd Sentence – Change “14,000” to “15,000”**

RESPONSE:

The text was revised.

- 13. Page 1-1, Section 1.0, 3rd Paragraph, 2nd Sentence – Add “MM and MC” to “MEC”.**

RESPONSE:

This sentence was deleted.

- 14. Page 1-1, Section 1.0, 3rd Paragraph, 2nd Sentence – Add a specific reference to support this statement.**

RESPONSE:

This sentence was deleted.

- 15. Page 1-1, Section 1.0, 5th Paragraph – Delete this Paragraph as it is inappropriate for this section.**

RESPONSE:

The paragraph was deleted.

- 16. Page 2-1, Section 2.0, 1st Paragraph, 3rd Sentence – After “C4,” add a parenthetical with the general composition of C4 by explosives.**

RESPONSE:

The sentence was revised.

- 17. Page 2-2, 2nd Paragraph, 1st Sentence – If the TTU Report is final, revise this sentence.**

RESPONSE:

This sentence was deleted.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

18. Page 2-2, 3rd Bullet – Add “Draft” before “Military Munitions...”

RESPONSE:

This paragraph was deleted.

19. Page 3-1, Section 3.0, General – This entire section ignores that there were other categories of anomalies, MD and RRD. In Section 3.1, add a few sentences explaining the use of different categories for the anomalies after they are recovered.

RESPONSE:

Text was added in the 3rd paragraph of Section 3.1.

20. Section 3.0 –

- a. Create a subsection summarizing the steps taken to begin backfill of the site as this was a significant step in the process that needs to be documented. Provide proposed text in the RCL.
- b. This section should also contain a subsection describing routine, daily activities (i.e., dust and erosion control, etc).

RESPONSE:

20a) This is now covered in Section 4.0 "Backfilling and Site Restoration". Additional details are documented in the *Demolition Area 1 Proposal to Backfill* (USAEC 2005).

20b) Text was added to the end of the 2nd Paragraph in Section 3.2

21. Page 3-1, Section 3.0, Bullets – Use same text as found in subsection titles or add subsections in parentheses to make cross-referencing text easier.

RESPONSE:

The text was replaced by the subsection titles.

22. Page 3-1, Section 3.1, 1st Paragraph, 1st Sentence – Identify the method by which the 2,500 anomalies were found.

RESPONSE:

The text was revised.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

- 23. Page 3-1, Section 3.1, 1st Paragraph, 5th Sentence – Add the model numbers for the analog instruments.**

RESPONSE:

The model numbers for the field instruments were added in Section 3.1.

- 24. Page 3-1, Section 3.1 – This section should contain a brief Paragraph explaining the difference between the EM61 (i.e., its ability to detect or “see” significantly deeper than the analog instruments identified).**

RESPONSE:

Text was added in Section 3.1.

- 25. Page 3-2, Section 3.1, Top of Page – There were more than just MEC items found. See above general comment on Section 3.0 on other categories of anomalies.**

RESPONSE:

Text was added in the 3rd paragraph of Section 3.1.

- 26. Page 3-2, Section 3.1, 1st Bullet – Change “Controlled” to “Contained.”**

RESPONSE:

The text was revised.

- 27. Page 3-2, Section 3.1, 3rd Paragraph – Incident Reports should be provided in the Appendix of the report. To save paper, they can be part of the CD used to hold Appendix A.**

RESPONSE:

Incident reports are included as an appendix.

- 28. Page 3-3, Section 3.2, 1st Paragraph – Change “kettle bow” to “kettle hole.”**

RESPONSE:

The text was changed to “bowl”.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

- 29. Page 3-3, Section 3.2, 3rd Paragraph, Last Sentence – Briefly explain how SW846 Method 8321 is more reliable.**

RESPONSE:

An explanation was added to the section.

- 30. Page 3-3, Section 3.2, 6th Paragraph – A reference to Figure 3-5 should be made here. See below comment on Figure 3-5.**

RESPONSE:

This figure number was changed to 3.4 to keep it in order with text and included in text.

- 31. Page 3-3, Section 3.2, 6th Paragraph, 4th Sentence – Add at end the phrase “which was left in place.”**

RESPONSE:

The text was revised.

- 32. Page 3-4, 1st Paragraph – EPA and MassDEP did not witness the actual excavating of soil. We did conduct a site visit and inspected the trench after it had been completed the prior day or two. Please correct the text.**

RESPONSE:

The text was revised.

- 33. Page 3-4, 3rd Paragraph –**
 a. Add “compared to the original estimate of 15,000 cubic yards” after “18,500 cubic yards.”
 b. State what happened to the Category 1 soil (burn pit soil).

RESPONSE:

33a) & b) The text was revised.

- 34. Page 3-4, Bullet 1 – After “applicable standard” add the actual applicable standard.**

RESPONSE:

The text was revised.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

- 35. Page 3-4, Bullet 3 – Report should have a separate appendix containing records of all off-site shipments of contaminated soil.**

RESPONSE:

An appendix was added.

- 36. Page 3-4, 4th Paragraph, 1st Sentence – Suggest revising sentence to “The RRA goal of remediating the source area of contaminated soils, and MEC, MC and RRA posing a potential threat to groundwater has been achieved.”**

RESPONSE:

This sentence was deleted.

- 37. Page 3-4, 4th Paragraph, 2nd Sentence – Add “less than” before “120 ug/kg.”**

RESPONSE:

The text was revised.

- 38. Page 3-4, 4th Paragraph, 4th Sentence – Please clarify to which quad this sentence is referring.**

RESPONSE:

The text was revised.

- 39. Page 3-4, 4th Paragraph, 5th Sentence – Please clarify the “applicable standards” for HMX.**

RESPONSE:

The text was revised.

- 40. Page 3-5, Section 3.3 – Please clarify if burn pits were excavated as part of soil excavation.**

RESPONSE:

The text was revised.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

- 41. Page 3-5, Section 3.3, 2nd Paragraph, 1st Sentence – Add “Draft” before “Military.”**

RESPONSE:

This sentence was deleted.

- 42. Page 3-5, Section 3.3, 2nd Paragraph, 2nd Sentence – Please clarify and state the purpose of the “characterization soil sample.”**

RESPONSE:

Text was added.

- 43. Page 3-5, Section 3.3, 3rd Paragraph, 4th Sentence – Please present dioxin and perchlorate sampling result information for burn pit samples.**

RESPONSE:

Paragraph 6 of Section 3.3 summarizes the explosives and perchlorate results from all burn pit samples. A list of all dioxin results is included in Appendix C-4.

- 44. Page 3-5, Section 3.3, 6th Paragraph, 2nd Sentence – Move “120 ug/kg” before “remedial” and delete “of.”**

RESPONSE:

The text was revised.

- 45. Page 3-6, Section 3.3, Top of Page, Last Sentence – List ‘potentially applicable standards.’**

RESPONSE:

The text was revised.

- 46. Section 3.6 – Provide copies of records related to disposal of Category 1 and 2 soil in a new appendix.**

RESPONSE:

An appendix was added.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

- 47. Page 3-6, Section 3.6, 1st Paragraph, 4th Sentence – Please clarify if only MEC was screened. Note if MD and RRD were also screened during this procedure.**

RESPONSE:

Section 3.4 was revised to clarify that munitions and debris were screened.

- 48. Page 3-6, Section 3.5, 2nd Paragraph, Last Sentence – Add a parenthetical after “Chemical Spill 19 to identify CS-19 as an AFCEE site.**

RESPONSE:

The text was revised.

- 49. Section 3.7 – Suggest retitling this section to “Post Soil Excavation MEC Clearance and Backfilling” since that is the significance of this section.**

RESPONSE:

The section was retitled “Post-soil-excavation Geophysical Investigation and Anomaly Removal.” Section 4.0 was retitled “Backfilling and Site Restoration.”

- 50. Page 3-7, Section 3.6, Bullet 1 – Add into text the mercury standard.**

RESPONSE:

The text was revised.

- 51. Page 3-8, Section 3.6, Bullet 1, 5th Sentence – Specifically list the ‘applicable standards.’**

RESPONSE

This sentence was deleted.

- 52. Page 3-8, Section 3.6, Bullet 3, 1st Sentence – List entire title of *BIP Plan*.**

RESPONSE:

This bullet was rewritten and reference to the BIP Plan was deleted.

**IAGWSP RESPONSE TO
EPA COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA
AND SOIL OPERABLE UNIT CLOSURE REPORT
DECEMBER 21 2005**

- 53. Page 3-9, Section 3.7, 1st Paragraph – Is sentence beginning with “In order to remove...” part of the first Paragraph or is it the beginning of the second Paragraph.**

RESPONSE:

This was a separate paragraph and was moved and inserted after the 4th Paragraph.

- 54. Page 3-9, Section 3.7 – Paragraph order is confusing. Did Paragraph on Quad 70 and the events contained therein occur before or after EM-61 in Paragraph starting with “Areas within Demo 1...” Please edit text for this subsection and provide in response to comment letter.**

RESPONSE:

Paragraphs were reordered with Paragraph on Quadrant 70 being moved to later in the text.

- 55. Page 3-10, Section 3.7, Table 3-10 – Retitle table to “Results from Confirmation EM-61 Survey” to differentiate it from the post-excavation EM-61 survey.**

RESPONSE:

The title was revised.

- 56. Page 3-11, Section 3.8 – Suggest moving this section to an earlier section to be consistent with the chronology of response activities.**

RESPONSE:

BIP events occurred throughout the RRA activities until post-excavation MEC clearance was completed. Thus, the section describing BIPs is located after the sections describing all other RRA activities that resulted in BIPs.

- 57. Page 3-11, Section 3.8, 1st Paragraph – Identify which locations where the six locations where BIP events were conducted after excavation.**

RESPONSE:

A sentence will be added to the first paragraph to identify the six locations where BIP events were conducted after excavation of the corresponding quadrant had been completed. Figure 3-11 (referenced in this paragraph) is color coded to illustrate BIPs that were sampled. Figure 3-11 will be modified to include a note to indicate that Quadrants 22 and 41 were designed as BIP locations for those BIP items identified during screening. Figure 3-11 will include a note to indicate the designation of the BIP locations at Quadrants 22 and 41. In addition, Paragraph 5, Section 3.8 was rewritten to clarify the use of Quadrants 22 and 41.

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- 58. Page 3-11, Section 3.8, 2nd Paragraph, 1st Sentence – Revise to “Explosives and/or perchlorate were detected in 3 of 10 (30%) locations.”**

RESPONSE:

The text was revised.

- 59. Page 3-11, Section 3.8, 2nd Paragraph, Last Sentence – Please clarify if perchlorate was also non-detect.**

RESPONSE:

Text was added in Section 3.8, 1st Paragraph to indicate that supplemental and post-excavation sampling was limited to those constituents detected in the previous sampling rounds. Perchlorate was not detected at these sites so was not included in the supplemental sampling.

- 60. Page 3-12, Section 3.8, 4th Paragraph, Last Sentence - Please clarify if perchlorate or any other contaminant (i.e., dioxin) was also non-detect.**

RESPONSE:

Text was added in Section 3.8, 1st Paragraph to indicate that supplemental and post-excavation sampling was limited to those constituents detected in the previous sampling rounds. Perchlorate was not detected at these sites so was not included in the supplemental sampling.

- 61. Page 3-12, Section 3.8, 5th Paragraph, Last Sentence - Please clarify if perchlorate or any other contaminant (i.e., dioxin) was also non-detect.**

RESPONSE:

Text was added in Section 3.8, 1st Paragraph to indicate that supplemental and post-excavation sampling was limited to those constituents detected in the previous sampling rounds. Perchlorate was not detected at these sites so was not included in the supplemental sampling.

- 62. Page 4-1, Section 4.0 – At EPA’s last visit in the Fall, it did not appear that vegetation has been planted at Demo 1 as this Paragraph states. Provide a picture in the Appendix the shows the plantings or revise this section to state work completed to date. In addition, this section should state the general follow-up site activities to be completed over the next one to three years.**

RESPONSE:

Since this comment was submitted, the vegetation has been successfully re-established. Text has been added to describe work completed at the site.

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63. Section 5.0 – See general comment 1.

RESPONSE:

This Section is now Section 6.0. and was retitled “Conclusions.”

64. Page 5-1, Section 5.0, 1st and 2nd Paragraph – References (e.g., meeting minutes or correspondences) should be provided to document the decision to expand the scope of the RRA.

RESPONSE:

The references to the expanded scope of the RRA were deleted.

65. Page 5-1, 3rd Paragraph, Last Sentence – “Is” is unequivocal. Delete “is” and replace with “appears to be.”

RESPONSE:

Text was changed.

66. Page 5-1, Section 5.0, 4th Paragraph, Last Sentence – “have” is unequivocal. Delete “have” and replace with “appears to have.”

RESPONSE:

Text was changed.

67. Figure 2-2 – Use the most current Perchlorate and RDX plume map from the SPEIM program.

RESPONSE:

The figure was changed.

68. Table 3-6 –

- a. This table needs refining. Group together like items (e.g., 20mm, etc.).**
- b. Page 3 of 5: Specify size of BDU 33/B practice bomb.**

RESPONSE:

68a) The table was reconfigured.

68b) The size of the BDU 33/B is 5 pounds (this information is noted in the revised table).

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- 69. Figure 3-5 – This figure should be updated to reflect the 27 quads which were excavated for RDX deeper than the depths prescribed in the *Draft RRA/RAM Plan*. In addition, this figure should also show which quad was excavated deeper for Perchlorate.**

RESPONSE:

The figure was modified to include a color-coding scheme to identifies quadrants excavated beyond the depth proposed in the RRA Plan.

Attachment 2

**Responses to MassDEP Comments on the
Draft Demolition Area 1 Soil RRA and Soil Operable Unit Closure Report**

IAGWSP RESPONSE TO
MassDEP COMMENTS ON DRAFT DEMOLITION AREA 1 SOIL RRA AND
SOIL OPERABLE UNIT CLOSURE REPORT
21 DECEMBER 2005

MassDEP comments were provided by Mr. Len Pinaud via letter on 08 March 2006.

MassDEP comments are in **bold**, the responses are in normal font, and text to be inserted in the report is *italicized*.

SPECIFIC COMMENTS

1. Page ES-1, Executive Summary and Page 1-1, Introduction:

The text on page ES-1 states, "This RRA has been conducted pursuant to United States Environmental Protection Agency (EPA) Administrative Orders (AOs) issued under the Safe Drinking Water Act (SDWA), 1-97-1019 (AO1) and 1-2000-0014 (AO3)". Similarly, the text on page 1-1 states, "The RRA at Demo-1 has been conducted pursuant to United States Environmental Protection Agency (EPA) Administrative Orders (AOs) issued under the Safe Drinking Water Act (SDWA), 1-97-1019 (AO1) and 1-2000-0014 (AO3) including consideration of the substantive cleanup standards in the Massachusetts Contingency Plan (MCP) 310 CMR 40". The MassDEP acknowledges the Army/NGB's affirmation of AO1 and AO3 under the SDWA, however, the MassDEP continues to reserve all rights against the Army/NGB as MassDEP may deem necessary pursuant to applicable law as stated in the last paragraph in this letter.

In addition, please be advised that MassDEP reserves all rights against the Army/NGB and all other persons to take any civil, criminal, or administrative enforcement action pursuant to any available legal authority, including the right to seek injunctive relief; the recovery of money expended or to be expended (plus interest); monetary penalties; criminal sanctions; and/or punitive damages regarding any violation of M.G.L. c. 21E and the MCP, or any actual or potential threat to human health, safety, public welfare or the environment, or any release of hazardous substances on, at, in, or near the MMR. Nothing in this letter shall preclude MassDEP from taking any additional enforcement actions, including the issuance of Orders and/or additional actions, as MassDEP may deem necessary, or from requiring the Army/NGB in the future to perform additional activities pursuant to any other applicable law.

RESPONSE:

The sentence was deleted.

2. Page 3-5, 3rd paragraph, 2nd sentence:

The text states "Table 3-5 summarizes the burn pit excavations and post soil excavation sample results". Please note that the Table 3-5 does not contain post soil excavation sample results. Please correct the sentence.

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RESPONSE:

The text was revised.

3. Page 3-5, 3rd paragraph, 6th sentence and Figure 3-6:

The text states "The depths of these burn pits were all shallower than the excavation depths of the quads in which they located. Thus, the removal of any residual contamination was confirmed through post soil excavation sampling of the quads". Figure 3-6 indicates excavation depths of burn pits Q42-BP-005, Q43-BP-001, and Q45-BP-004 are deeper than the quad excavation depths. Please correct the statement and re-evaluate the last sentence that states, "The quad confirmation samples indicated that all burn pit contaminated soil was removed".

RESPONSE:

The text was revised.