

2012 Annual Munitions and Explosives of Concern Inspection Report Potrero Canyon Unit (Lockheed Martin Beaumont Site 1) Beaumont, California



Prepared for:



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TC# 28535-01.0207/ October 2012

2012 Munitions and Explosives of Concern Inspection Report Potrero Canyon Unit (Lockheed Martin Beaumont Site 1) Beaumont, California

Prepared for:

Lockheed Martin Corporation

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Tetra Tech, Inc.

October 2012



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Acronyms

Area A	Eastern Aerojet Range
Area B	Rocket Motor Production Area
Area C	Burn Pit Area
Area D	Lockheed Production Company Ballistics Test Range
Area F	Lockheed Propulsion Company Test Services Area
Area G	Helicopter Weapons Test Area
Area H	Sanitary Landfill
Area I	Western Aerojet Range
AOC	area of concern
GPS	global positioning system
HCP	Habitat Conservation Plan
HDT	Riverside County Sheriff's Department Hazardous Devices Team
HE	high explosive
HMX	High Melting explosive (cyclo-1, 3, 5, 7-tetramethylene-2, 4, 6, 8-tetranitramine)
ID	identification
LMC	Lockheed Martin Corporation
LPC	Lockheed Propulsion Company
MEC	munitions and explosives of concern
MD	munitions debris
MPPEH	material potentially presenting an explosive hazard
Report	Munitions and Explosives of Concern Inspection Report

Site	Potrero Canyon Unit (Lockheed Martin Beaumont Site 1)
SKR	Stephens' Kangaroo Rat
Tetra Tech	Tetra Tech, Inc.
TPLZ	terraced projectile landing zone
USFWS	United States Fish and Wildlife Service
UXO	unexploded ordnance

SECTION 1 INTRODUCTION

This Munitions and Explosives of Concern (MEC) Inspection Report (Report) has been prepared by Tetra Tech, Inc. (Tetra Tech), on behalf of Lockheed Martin Corporation (LMC), and presents the results of the 2012 MEC inspection of the Potrero Canyon Unit (Lockheed Martin Beaumont Site 1) (Site). The Site is located in an undeveloped area south of the City of Beaumont, Riverside County, California (Figure 1-1). Most of the Site is in the Beaumont City limits. Currently, the Site is inactive with the exception of remedial activities performed under Consent Order 88/89-034 and Operation and Maintenance Agreement 93/94-025 with the Department of Toxic Substances Control. The State of California owns approximately 94% (8,552 acres) of Beaumont Site 1. The remaining 565 acres referred to as the conservation easement were retained by LMC (Figure 1-2). Figure 1-2 also shows the historic operational areas and former MEC areas and equipment.

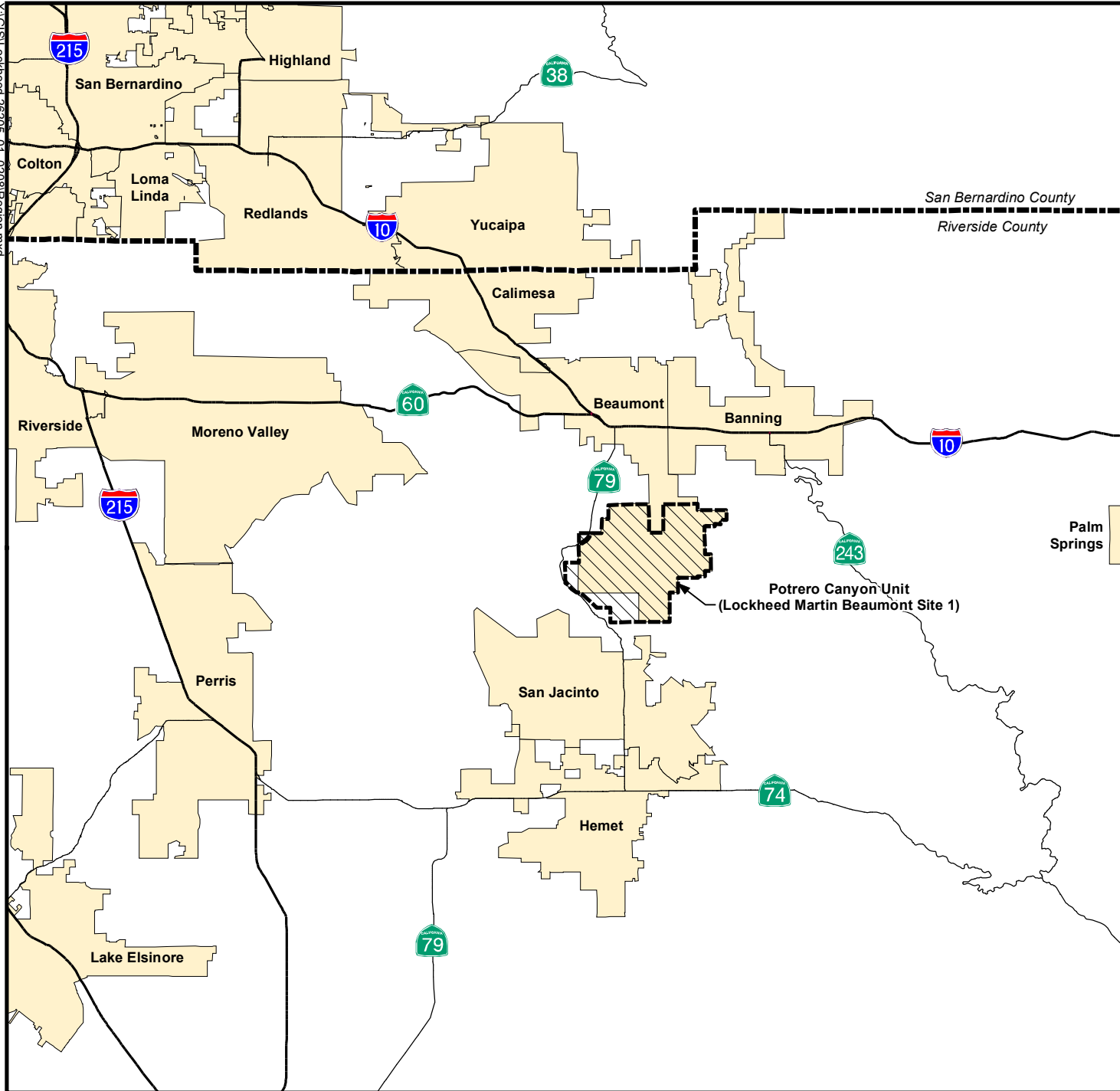
MEC investigations and removal at the Site have been completed, and while all reasonable steps to mitigate the risk have been taken, there is some potential for residual MEC to be present. As a result, LMC has implemented a MEC inspection program. The inspection program is intended to check those areas where MEC was found or where inert projectiles are known to remain and assess whether any have been exposed by erosion. If inert projectiles or MEC are found they will be removed and/or disposed of accordingly. MEC inspections will be conducted periodically to assess if MEC has been uncovered or washed into the streambeds in Area A (Eastern Aerojet Range), Area D (Lockheed Production Company Ballistics Test Range), or Area G (Helicopter Weapons Test Area), or eroded from the Phalanx Target berm located in Area B (Rocket Motor Production Area), the berm at the base of the terraced projectile landing zone (TPLZ) located in Area D, or the landfill located in Area H (Sanitary Landfill) (Figures 1-3 through 1-7). The locations for inspection are based on recommendations from the Draft Munitions and Explosives of Concern Remedial Action Plan.

The objectives of this Report are to:

- Briefly summarize the Site history;
- Describe the inspection methodology utilized; and
- Report findings and disposal activities.

This Report is organized into the following sections: 1) Introduction, 2) Summary of Inspection Activities, 3) Summary and Conclusions, and 4) References.

X:\GIS\Lockheed 2020\5_01_0208Region.mxd





0 5 Miles

Adapted from:

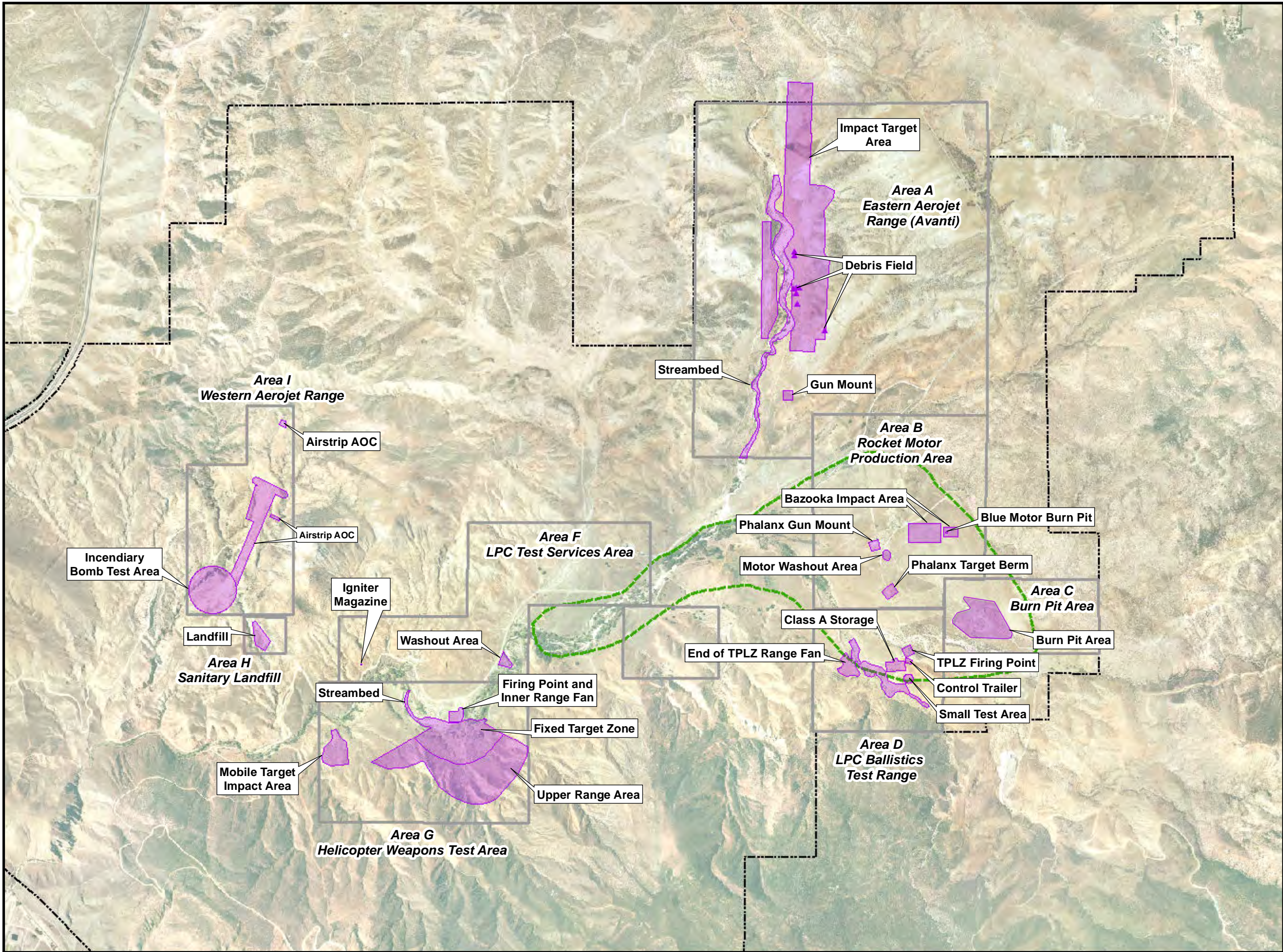
U.S. Census Bureau TIGER line data, 2000.

LEGEND

-  Interstate/Freeway
-  State Highway
-  County Boundary
-  Potrero Canyon Unit (Lockheed Martin Beaumont Site 1)
-  City/Municipality

Potrero Canyon Unit
(Lockheed Martin Beaumont Site 1)

Figure 1-1
Regional Location of
Potrero Canyon Unit



0 1,000 2,000
Feet

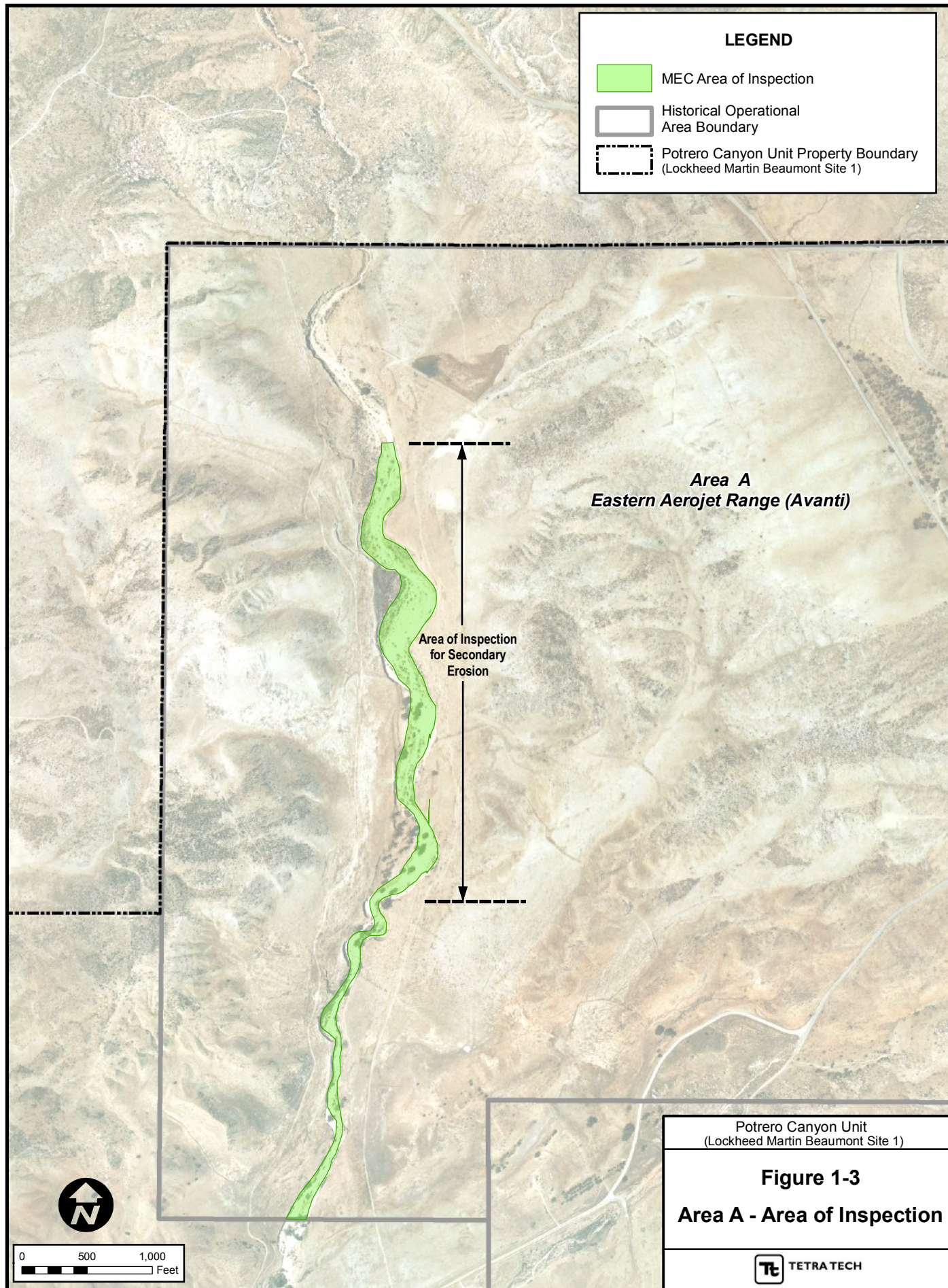
Adapted from:
April 2007 aerial photograph.

LEGEND

- MEC Area of Concern (AOC)
- Historical Operational Area Boundary
- Potrero Canyon Unit Property Boundary (Lockheed Martin Beaumont Site 1)
- Conservation Easement Boundary

Potrero Canyon Unit
(Lockheed Martin Beaumont Site 1)

Figure 1-2
Historical Operational Areas
and MEC AOCs





LEGEND

MEC Area of Inspection

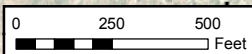
Historical Operational Area Boundary

**Area D
LPC Ballistics
Test Range**

Berm
(0.24 Acres)

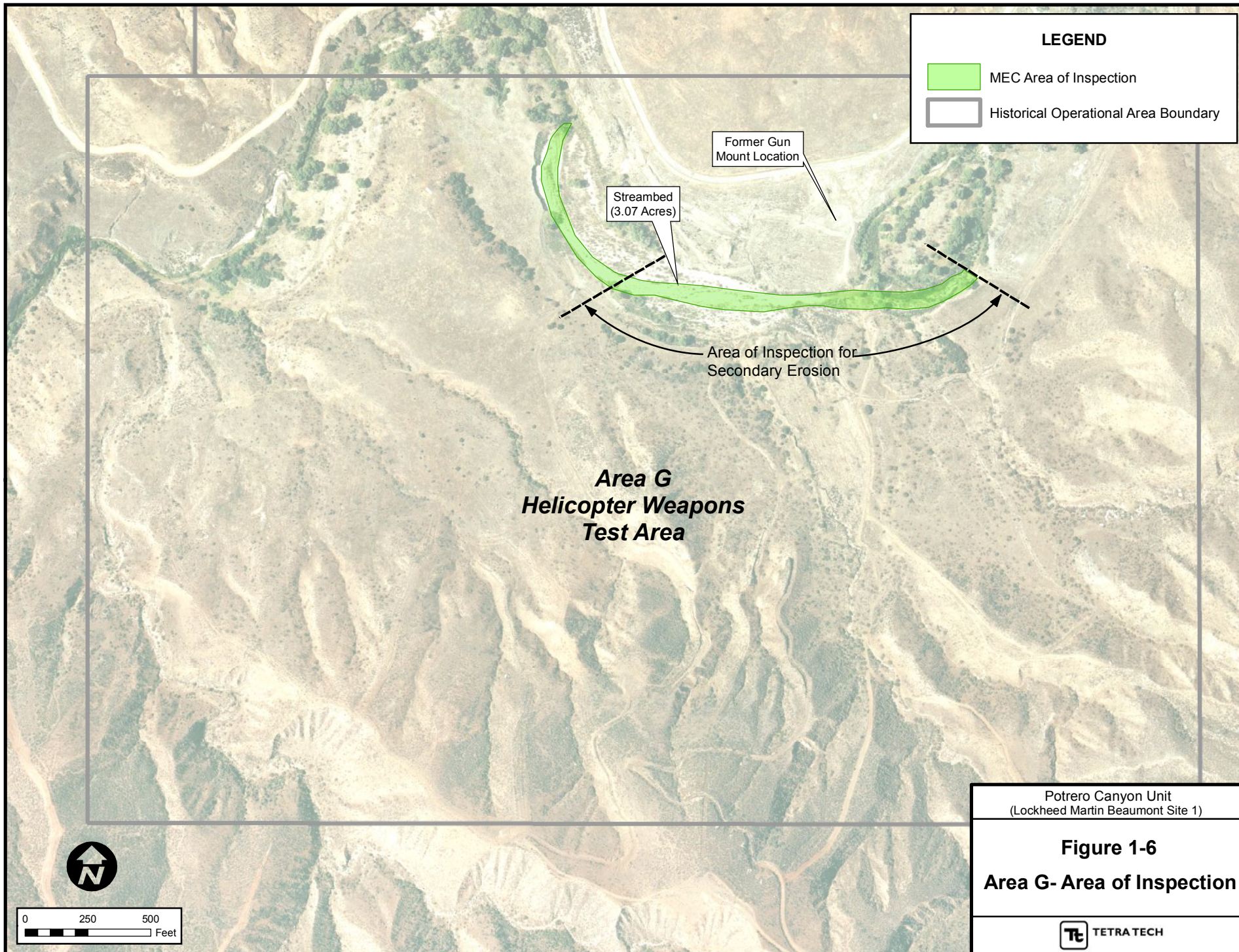
Area of Inspection
for Secondary Erosion

Original Streambed AOC
(2.67 Acres)



Potrero Canyon Unit
(Lockheed Martin Beaumont Site 1)

**Figure 1-5
Area D- Area of Inspection**



LEGEND

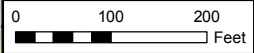
MEC Area of Inspection

Waste Cells

Historical Operational Area Boundary

**Area H
Sanitary
Landfill**

Landfill
(2.68 Acres)



Potrero Canyon Unit
(Lockheed Martin Beaumont Site 1)

Figure 1-7
Area H- Area of Inspection

TETRA TECH

1.1 SITE HISTORY

Historically, the Site was used primarily for ranching prior to 1960. Grand Central Rocket and, later, LMC purchased the property between 1960 and 1963. LMC, which was then known as Lockheed Propulsion Company (LPC), purchased Grand Central Rocket in the early 1960s. The property was developed and used as a remote test facility for early space and defense programs. During the active industrial life of the Site from 1960 until 1974, LMC used the facility for solid propellant mixing, testing, and disposal, as well as for ballistics testing. LMC and others utilized explosives in their work; however, most munitions used on-site were reportedly practice rounds that did not contain high explosives (HE).

Based on historical data, the Site has been divided into nine operational areas reflecting the types of activities known to have occurred on-site. Figure 1-2 shows these nine operational areas. MEC related activities were conducted in eight of the operational areas.

1.2 SUMMARY OF MEC EVALUATION AND REMOVAL TO DATE

MEC investigations were initiated in 2005 when two small belts of 20 mm linked ammunition were found during the repair of a stream crossing in Area D. Investigations were completed in 2010.

MEC investigations or removal actions have been performed at 28 areas of concern (AOCs) (Figure 1-2). All MEC related items found during the investigations and removal were treated on-site with donor explosives if necessary, certified safe, and disposed of properly. A summary of what was found to date in the eight operational areas during the MEC investigations and removal action is presented below.

- Aerojet conducted ballistics testing in Area A. MEC investigations and the removal action resulted in the discovery and removal of inert 27.5 mm and 30 mm projectiles, 16 mm tungsten penetrators and an inert 76 mm rocket. Fragments from high explosive 30 mm projectiles and several unexploded 30 mm projectiles were also found.
- General Dynamics reportedly tested Phalanx Gatling guns and 2.75-inch Viper Bazookas in Area B. The bazooka rockets reportedly carried explosive and shaped charges. The Gatling guns fired inert 20 mm and 30 mm rounds. MEC investigations resulted in the

discovery and removal of inert 20 mm and 30 mm projectiles in the Phalanx gun target berm and possible munitions fragments from the rockets. No MEC was found.

- LMC conducted disposal activities in Area C (Burn Pit Area). Historical records indicate that industrial solvents and rocket fuel constituents were placed in pits along with off-specification solid rocket fuel and burned. Small aluminum cups containing high melting explosive (HMX) (cyclo-1, 3, 5, 7-tetramethylene-2, 4, 6, 8-tetranitramine) were reportedly burned in the pits as well. MEC investigations resulted in discovery and removal of a 30 mm inert projectile (likely a projectile that missed the Phalanx gun target berm), a handful of expended 30 mm cartridges, and a small amount of thick walled fragments. The origin of the cartridges is unknown and the fragments are thought to have come from rocket fuel mixer blowout panel tests conducted adjacent to the Burn Pit Area. At least one of the blowout panel tests resulted in an explosion that destroyed the test equipment. No MEC was found.
- LMC tested several weapons platforms in Area D including a Navy five-inch gun, an Army 155 mm gun, 40 mm and 37 mm guns, land mines, and incendiary bombs. During MEC investigations inert projectiles and some munitions fragments were found. Unfired large caliber burster tubes and 20 mm practice rounds were also found along the streambed. These unfired items were classified as MEC because the propellant in them represented a potential explosive hazard. A removal was conducted in the area of the streambed.
- No munitions testing was reported to have been conducted in Area F (Lockheed Propulsion Company Test Services Area). A magazine for the storage of igniters was reportedly located in the area and small remnants of solid rocket propellant were reported to have been found at the rocket motor washout area. The magazine has currently not been located at the Site and was likely removed when the facility was closed. The remnants of solid rocket fuel were reportedly removed in the early 1990's, none were observed during the MEC investigations.
- LMC performed helicopter weapons testing in Area G. Various calibers (40 mm grenades, 30 mm cannon projectiles, and 7.62 mm machine gun bullets) of weapons were tested. All munitions tested were reportedly inert or practice rounds. The AOCs in this area were investigated and all of the projectiles recovered during the investigation were inert. No

MEC was found during the investigation. It was determined that a removal action was not warranted at the Area G AOCs and projectiles (presumed to be inert) are still present.

- No munitions testing was reported to have been conducted in Area H. Investigations did not result in the discovery of any munitions related items on the surface of the landfill, but belted 7.62 mm machine gun ammunition used in Area G was reportedly disposed of in the landfill. No MEC was found.
- Munitions were tested in Area I (Western Aerojet Range). Incendiary bomb tests were conducted at the southern end of the range and 27.5 mm projectiles and 16 mm tungsten penetrators were tested along the length of the range. Thick walled munitions fragments and inert projectiles were found during the investigations. No MEC was found.

1.3 INSPECTION AREAS

As discussed above, while all reasonable steps to mitigate the risk have been taken, potential for residual MEC remains. The majority of the MEC uncovered to date was found near the ground surface but MEC detection equipment has depth limitations. Therefore, erosion could expose errant or buried MEC. The inspection program is intended to check those areas where MEC was found or where inert projectiles are known to remain and assess whether any have been exposed by erosion and pose a threat. During the course of previous investigations, six of the 28 areas investigated were found to contain MEC, inert projectiles or remnants of potential MEC. These discoveries demonstrate the potential, however small, that MEC may be present in some of these six areas. In the other 22 areas, there is no evidence of potential MEC contamination. A description of the six AOCs chosen for inspection is listed below:

- Area A Streambed – There are four MEC AOCs in Area A but only the streambed is a concern with respect to erosion. Potrero Creek runs adjacent to the Target Impact Area AOC. No MEC were found in the Streambed AOC but they were found in the Target Impact Area AOC. The banks of the streambed continue to erode material from the former Target Impact Area AOC. Further, secondary erosion features that drain into Potrero Creek have also developed. Some of these secondary features have developed in the Target Impact Area AOC as well. As a result, the Streambed AOC and the secondary erosion features have been included in the MEC inspection program.

-
- Area B Phalanx Target Berm – The Phalanx Gatling Gun is a high volume or rapid fire gun. A large number of metallic objects were detected below the surface of the target berm. During the previous MEC investigations projectiles were removed and examined from five different locations in the face of the berm. It was reported that only inert practice rounds were used during the testing of the Phalanx Gun. Inert 20 mm and 30 mm projectiles were recovered from the berm. No MEC was recovered from the berm. The berm is steeply sloped and somewhat prone to erosion. Inert items resembling much more hazardous live munitions may erode out of the berm and collect near the base where they may be found by site users. As a result, the Phalanx Target Berm AOC has been included in the MEC inspection program to allow removal of the inert practice rounds as they erode out of the berm.
 - Area D Berm at the Base of the TPLZ – While no explosive projectiles were reported to have been tested at this range, fragments found near a presumed target up range of the berm appeared to have been generated by explosive, not mechanical, means. The berm was investigated and detected items were removed. No MEC was found, but the detection equipment has depth limitations. The berm is steeply sloped and somewhat prone to erosion. With time, undetected objects deeper in the berm could be brought to the surface by erosion. As a result, the berm at the Base of the TPLZ has been included in the MEC inspection program.
 - Area D Streambed – Bedsprings Creek bisects Area D. While no known MEC activities were conducted in the drainage it appears some munitions related items were discarded here. Several unfired burster tubes and 20 mm practice ammunition were found in the stream bed. These items are considered MEC. A 100% survey/removal was conducted in the accessible area of the streambed. With time, undetected objects buried in the area could be exposed by erosion. As a result, the Area D Streambed AOC has been included in the MEC inspection program.
 - Area G Streambed – Potrero Creek meanders through the Helicopter Weapons Test Area. The streambed is located between the firing point and the range. It was reported that weapons were checked prior to testing by firing them into the southern bank of the streambed. It was also reported that only inert practice rounds were used during the testing. Investigations in Area G resulted in the recovery of small arms brass, mechanically

generated 30 mm fragments and inert 40 mm projectiles. No MEC was found in the Area G Streambed AOC. Due to erosion of the stream bank, inert items resembling much more hazardous live munitions may erode out and collect in the streambed where they may be found by site users. As a result, the Area G Streambed AOC has been included in the MEC inspection program.

- Area H Sanitary Landfill – The landfill is closed and covered; however, there is anecdotal information that small arms ammunition (7.62 mm) was placed in the landfill. While temporary erosion protection measures are in place, the surface of the landfill is sloped at approx. 6% and has been subject to some erosion in the past. With time erosion could expose the contents of the landfill. As a result, the Area H Sanitary Landfill AOC has been included in the MEC inspection program. Temporary erosion control measures as well as quarterly inspection will continue to be utilized until a final solution is in place.

Table 1-1 contains a summary of the AOCs and an evaluation of the types of munitions/ammunition that may have been used in each area and may potentially be present.

Table 1-1 Summary of Historical Use and MEC Evaluation by AOC

Operational Area	Inspection Area	Documented Historical Use	MEC Related Finds to Date	Potential Residual MEC/MD
A	Streambed and Secondary Erosion Features	None known (the streambed is immediately adjacent to the Target Impact Area and erosion has advanced into the Target Impact Area)	None (726 targets dug)	30 mm HE projectiles and MD from adjacent range/target area.
B	Phalanx Target Berm	Impact area for Phalanx gun tests	Inert 20 mm & 30 mm target practice projectiles; frag	Inert 20 mm & 30 mm projectiles and fragments
D	Berm at the Base of the TPLZ	TPLZ impact area (gun range)	None found	20 mm, 37 mm, 40 mm, 155 mm, and five inch target practice projectiles and MD
D	Streambed and Secondary Erosion Features	None known (potential disposal)	20 mm target practice rounds; 20 mm target practice projectiles, & live Primers/Igniters	20 mm target practice rounds, 20 mm target practice projectiles, & live Primers/Igniters
G	Streambed and Secondary Erosion Features	40 mm grenades, 30 mm cannon projectiles, and 7.62 mm machine gun bullets platform mounted guns test fired into stream bank	30 mm & 40 mm target practice projectiles	30 mm & 40 mm target practice projectiles
H	Landfill	Sanitary landfill; anecdotal info that small arms rounds may have been buried here	None found	None identified

SECTION 2 INSPECTION METHODOLOGY

Instrument-aided MEC surface inspections of the streambeds and any secondary erosion features in Areas A, D, and G and the Phalanx Target berm located in Area B, the berm at the base of the TPLZ located in Area D, and the Landfill located in Area H were conducted using Schonstedt GA-52Cx ferrous metal detectors.

Detection equipment employed to conduct the instrument-aided surface surveys was tested using the blanket test. The blanket test is performed by taking a ferrous metallic object the size of a 20 mm projectile and placing it under a cover (a tarp). The instrument is turned on and set at the level that will be used for detection during the survey. The instrument is then swept back and forth over the area where the metallic object is located, if the instrument detects the object it is accepted for use, if not it is rejected and repaired or replaced. All equipment utilized during this field event passed the daily instrument tests. The test results are documented in the daily field reports (Appendix A).

Each area designated for inspection was surveyed using the instrument-aided on line surface survey method. The survey team forms up in a line at the established base line (one of the survey area edges), the technicians then step off from the base line one at a time in an echeloned line, with the first technician following the left or right boundary of the area to be surveyed dropping flags to his opposite side as he goes. As each following technician moves forward they pick up the previous technician's flag and drop a flag on the opposite side for the next technician in line to follow. The last technician in line leaves dropped flags to mark a path for the team to follow during the next pass. This process is repeated until the entire area is surveyed.

If suspect MEC, material potentially presenting an explosive hazard (MPPEH), or munitions debris (MD) had been encountered at the surface, its location would have been recorded using a global positioning system (GPS) instrument and the unexploded ordnance (UXO) Team would have attempted to identify the item and to gather additional information such as munitions type, fuze type by function, and condition of the suspect MEC, MPPEH or MD (e.g., fired, unfired, armed, unarmed, etc.). The item would have been marked with a yellow survey marker flag and

given a unique identification (ID) number. All available information about the item would have been recorded in the logbook/MEC Accountability Log, including suspect MEC location, identification, and ID number and a digital photograph would have been taken of each item. Tetra Tech UXO personnel would have maintained Site access control and ensured personnel safety until the Riverside County Sheriff's Department Hazardous Devices Team (HDT) arrived and took control of the Site. Tetra Tech would have supplied the GPS coordinates and available information for each item to the Riverside County Sheriff's HDT upon arrival.

Upon completion of the field evaluation, recovery, and disposal of suspect MEC/MPPEH by Riverside County Sheriff's HDT personnel, the detector-aided surface survey would continue as described until all areas requiring periodic inspection for MEC, MPPEH and MD were completed.

If subsurface anomalies were detected, the location would have been recorded with a GPS instrument and the coordinates would have been recorded in the logbook and the Daily MEC Activity log.

2.1 HABITAT CONSERVATION

All inspection activities were performed in accordance with the U.S. Fish and Wildlife Service (USFWS)-approved Habitat Conservation Plan (HCP) [USFWS, 2005] and subsequent clarifications (LMC, 2006a and 2006b) of the HCP. Stephens' Kangaroo Rat awareness training was provided to the field teams prior to Site entry.

SECTION 3 INSPECTION RESULTS

The MEC inspection was conducted to determine if MEC, MPPEH, or MD items were uncovered during the past year in areas where MEC was found or where inert projectiles are known to remain. If suspected MEC items were found they were to be reported to LMC and the Riverside County Sheriff's HDT. All other munitions related items were to be collected, certified safe, and disposed of appropriately.

An instrument-aided MEC surface inspection of the streambeds and secondary erosion features in Areas A, D, and G was conducted. In Area A the evaluation of secondary erosion features was in the area east of the streambed and in Areas D and G the evaluation of secondary erosion features was on both sides of the streambed. Additionally, an instrument-aided MEC surface inspection of the Phalanx Target berm located in Area B, the berm at the base of the TPLZ located in Area D, and the landfill located in Area H was conducted. Copies of the daily activity logs can be found in Appendix A.

No MEC, MPPEH, or MD were found at any of the five areas during this inspection.

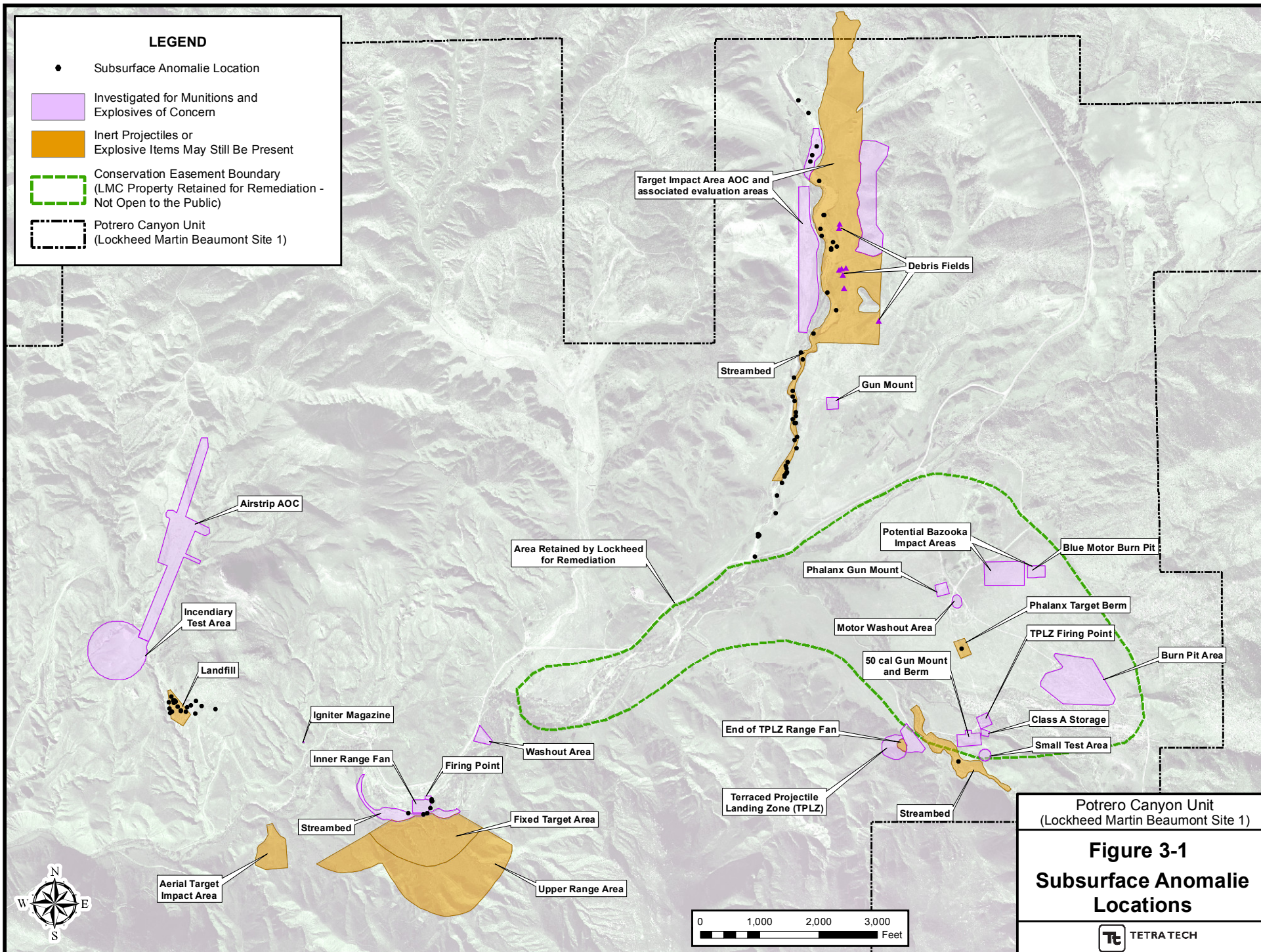
This year a task was added to the Scope of Work which included the detection and recording of subsurface anomalies. A total of 75 subsurface anomalies were found during this year's survey; 45 in Area A, 1 in Area B, 1 in Area D, 7 in Area G, and 21 in Area H (Figure 3-1). Each anomaly location was recorded with a handheld GPS. Coordinates and other details can be found in the Daily MEC Activity logs (Appendix A).

The discovery of subsurface metallic anomalies in the inspection areas is not unanticipated since metallic anomalies were found in these areas during the assessment and removal work previously conducted. It is possible that metallic debris was present at depths below the detection capabilities of the geophysical instrumentation used for the assessments and that natural erosion processes may be moving this debris closer to the surface. However, the presence of subsurface metallic anomalies is not necessarily indicative of munitions related debris. Portions of Area A were historically farmed. This activity may result in high quantities of metallic debris including wire and irrigation pipe, many pieces of which were found during the assessment of the Area A

streambed. Over 700 metallic anomalies were investigated in the Area A Streambed and no MEC or munitions related debris was found. Likewise, Area H was a domestic waste landfill and may contain many pieces of non-munitions metallic waste such as nails, screws, piping, rebar, or other items related to non-munitions activities at the Site. The Area B Phalanx target berm was determined to contain a large quantity of projectiles. It was not feasible to remove these projectiles due to the presence of endangered Stephens' Kangaroo Rats in the berm nor was it warranted due to the high probability of these items being inert based on past investigations. Area D was an active gun test area where numerous exercises were carried out to study the ballistics of standard and experimental projectiles. In addition, mine testing and testing of one or more incendiary bombs was conducted in a small canyon near the streambed running through this area. It is not surprising that metal scrap and fragmentation remain in the area and that some of that would be located in the streambed near the test canyon or in the gun range area. However, during previous investigations a very small number of munitions were found and these were all 20 mm practice rounds or projectiles. In addition, 3 projectile primers, which may have contained a small amount of explosive, were found in the streambed. The former supervisor for this area indicated during previous interviews that propellant was scavenged from eleven 8-inch projectiles which were washed out in this area. The propellant was reportedly extracted for use in testing, suggesting that the primers found were empty. This may have resulted in the disposal of the primers from those projectiles in this area. The range supervisor was unaware of the use of any 20 mm rounds in Area D for any purpose; however, the distribution of these items along the streambed near a road crossing suggests that a small number of these practice projectiles may have been discarded in the area. A thorough search of the streambed was conducted and no source area was found. Area G, where 7 subsurface anomalies were recorded, was used to test a high speed ammunition delivery system for the Cheyenne helicopter. Per the historical records these tests utilized 30 mm and 40 mm practice rounds. Since the system tested was intended to deliver hundreds of rounds per minute there is very likely a large amount of munitions debris in this area resulting in the detection of subsurface anomalies during instrument-aided inspections. This test range has very steep and rugged terrain in locations that served as a "backstop" for the test firing. In addition, the range has very dense vegetation in many areas. These physical conditions made it infeasible to remove all remaining metallic debris. The inert projectiles confirmed to be present during previous investigations may continue to be exposed by erosion over time.

While it is possible for the subsurface anomalies detected during this and/or future inspections to be residual MEC, the likelihood appears quite low based on the outcome of past assessment and removal actions. As long as the materials remain buried their potential hazard also remains relatively low. The discovery and removal of any potentially hazardous items which become exposed over time is the goal of the periodic inspections.

To confirm the original findings a subset of the metallic anomalies detected in future inspections will be excavated for identification. All excavations will be done in accordance with existing approved planning documents. If potential residual MEC is uncovered, the Riverside County HDT will be called to dispose of the suspect item. Additionally future inspections will utilize either a White's or Vallon all-metals detector.




SECTION 4 REFERENCES


1. Lockheed Martin Corporation (LMC), 2006a. *Clarification of Effects on Stephens' Kangaroo Rat from Characterization Activities at Beaumont Site 1 (Potrero Creek) and Site 2 (Laborde Canyon)*. August 3, 2006.
2. Lockheed Martin Corporation, 2006b. *Clarification Concerning Treatment of Unexploded Ordinance (UXO) Discovered During Munitions and Explosives of Concern (MEC) Characterization at Beaumont Site 1 (Potrero Creek) and at the Immediately Adjacent Metropolitan Water District (MWD) Parcel, Riverside County, California; and Analysis of Effects of Treatment Activities for the Federally-Endangered Stephens' Kangaroo Rat (SKR)*. August 3, 2006.
3. Lockheed Martin Corporation, 2006c. *Clarification of Mapping Activities Proposed under the Low-Effect Habitat Conservation Plan for the Federally-Endangered Stephens' Kangaroo Rat at Beaumont Site 1 (Potrero Creek) and Site 2 (Laborde Canyon) Riverside County, California* (mapping methodology included). December 8, 2006.
4. Tetra Tech 2007. *Summary Report, Munitions and Explosives of Concern (MEC) Evaluation, Beaumont Site 1, Beaumont, California*, February.
5. Tetra Tech 2008. *Summary/Removal Report, Supplemental Munitions and Explosives of Concern (MEC) Evaluation and Removal, Beaumont Site 1, Beaumont, California*, October.
6. United States Fish and Wildlife Service (USFWS), 2005. *Endangered Species Act Incidental Take Permit for Potrero Creek and Laborde Canyon Properties Habitat Conservation Plan*. October 14, 2005.

Updated: 3/31/2011




TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG
Facility/Location: Beaumont, Ca.
Site(s): Test site 1

FIELD ACTIVITY SUBJECT 2012 Periodic Inspection of Beaumont Site 1	Date: 21 May 2012
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: Construction Support: 1030: Arrived and my team picked me up at the airport. 1115: Attended the kick off meeting at the local Tetra Tech Office 1200: Drove to the site. 1240: Toured the site and discussed the area. 1415: Inventoried equipment received from Stone Mtn Office. 1430: Shopped for the supplies needed for the job. 1530: Secured 1630: Completed daily reports	
IMPORTANT PHONE CALLS/DECISIONS: Called Stone Mtn Office to report that the Schonstedts had not arrived.	
FIELD TASK MODIFICATIONS: None	
WEATHER CONDITIONS: Clear sky and 84	
VISITORS ON SITE: None	
PERSONNEL ON SITE: Mark Ladd, Nick Brantley, Frank Loney and Alfred Smith	
SIGNATURE: Mark Ladd 	DATE: 21 May 2012

		PREPARATORY PHASE INSPECTION REPORT	
Test Range Detector Aided			
Project Name: <u>Search</u>		Project No: <u>112IC04308</u>	Report No: <u>1</u>
UXO Team: <u>1</u>		Location: <u>Beaumont, CA.</u>	Date: <u>21 May 12</u>
I. Definable Feature of Work (see SAP Worksheet No. 12 and revise list as needed)			
<input checked="" type="checkbox"/> Site Preparation (incl. mobilization) <input type="checkbox"/> UXO Escort/ Avoidance Operations <input type="checkbox"/> Demobilization			
<input checked="" type="checkbox"/> Site Survey <input type="checkbox"/> MEC Treatment <input type="checkbox"/> Construction Support			
<input type="checkbox"/> Detector/Visual Survey <input type="checkbox"/> MPPEH inspect <input type="checkbox"/>			
<input type="checkbox"/> Manual MEC/MPPEH <input type="checkbox"/> MPPEH Cert <input type="checkbox"/>			
<input type="checkbox"/> Donor Explosives Handling <input type="checkbox"/> MPPEH Disposal <input type="checkbox"/>			
II. References (DOD Inst., Corporate references, SOPs, etc.):			
Work Plan and Local Tetra Tech Safety Manual			
III. Personnel Present (employees performing the work) Attach supplemental sheet if necessary			
Name		Position	Company
Mark Ladd		SUXOS/ Safety/QC	Tetra Tech
Nick Brantley		TECH	Tetra Tech
Alfred Smith		TECH	Tetra Tech
Frank Loney		TECH	Tetra Tech
IV. Submittals Reviewed (Work Plan, EHSP, Permits, etc.) Attach supplemental sheet if necessary			
Submittals Reviewed.		Item No.	Date
Scope of Work		1	2009
Have all submittals been approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If No, what items have not been submitted/ approved?			
Are all submittals on hand? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If No, what items are missing?			
Check approved submittals against delivered material. (This should be done as material arrives.)			
Comments: All amterials and documents arrive on time and in good working order			
V. Resources (Personnel & Equipment)			
Are adequate resources on hand to effectively conduct work? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
If No, what action will be taken?			

Facility/Location: Beaumont, Ca.
Site(s): Test Site 1

	<h2 style="margin: 0;">PREPARATORY PHASE INSPECTION REPORT</h2>
<p align="center">Test Range Detector Aided</p> <p>Project Name: <u>Search</u> Project No: <u>112IC04308</u> Report No: <u>1</u></p> <p>UXO Team: <u>1</u> Location: <u>Beaumont, CA.</u> Date: <u>21 May 12</u></p>	
VI. Procedures (Project Manger should be involved in this stage of the inspection)	
<i>Review contract specifications. (List special requirements such as location accuracy, format for deliverables, etc.)</i>	
<i>Discuss procedure for accomplishing the work (Reference WP Section or SOP).</i>	
The work plan and various SOP's were covered in the "kick off" meeting with all team members present.	
<i>Clarify any differences (revisions needed).</i>	
VII. Resolve Differences (What did you do to resolve outstanding issues/problems)	
Comments:	
VIII. Testing/ Surveillance	
<i>Identify Tests/ Surveillance to be performed, frequency, and by whom.</i>	
Daily and random testing of instruments was discussed and Nick Brantley, Tory Smith, and Frank Loney will perform them.	
<i>Where will the testing to take place (in the test bed, at a selected monument, etc.)?</i>	
Blanket test at the work site.	
<i>Is the Testing/ Surveillance Plan Adequate?</i>	
Yes	
IX. Safety	
Review applicable portion of the Health and Safety Plan.	
The "Initial" safety brief was conducted.	
Has the Activity Hazard Analysis been approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
X. Results of Inspection	
<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable NCR #:	
Name: Mark Ladd	Signature:
Date: 21 May 12	
QCM Comments	
Kick off meeting was held at the local Tetra Tech office with Mr. Thomas Villeneuve, Vice President/Operations Manager	
QCM Review	
<input type="checkbox"/> Concur	<input type="checkbox"/> Non-Concur
Signature:	Date
XI. Distribution	
<input type="checkbox"/> PM <input type="checkbox"/> UXO Project MGR <input checked="" type="checkbox"/> UXOSO/QC <input checked="" type="checkbox"/> SUXOS <input type="checkbox"/> CLIENT REP	




TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG
Facility/Location: Beaumont, Ca.
Site(s): Site 1


FIELD ACTIVITY SUBJECT: 2012 Periodic Inspection of Beaumont Site 1		Date: 22 May 2012									
PROJECT NO: 112G02892		TASK CODES: 13.01									
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Detector aided search of Areas B and D.</p> <p>Note: Schonstedts received serial numbers: 04276, 05951, 07526, 07522. Schonstedt 05951 was received in non-working order and has been packed and sent back to Pine via Fedex.</p> <p>GPS coordinates on subsurface anomalies are as follows:</p> <p>Area B – N33 deg 51.647 W116 deg 56.145 (one item)</p> <p>Area D – N33 deg 54.892 W116 deg 83.798 (one item)</p> <p>Surface items noted included scrap metal and wire.</p>											
<p>LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE (for documentation see MEC/MPPEH/MDAS Tracking Logs for added details):</p> <table style="width: 100%; border-collapse: collapse;"><thead><tr><th style="text-align: left; border-bottom: 1px solid black;">Item ID</th><th style="text-align: left; border-bottom: 1px solid black;">Description</th><th style="text-align: left; border-bottom: 1px solid black;">Item ID</th><th style="text-align: left; border-bottom: 1px solid black;">Description</th></tr></thead><tbody><tr><td colspan="4" style="padding-top: 10px;">None.</td></tr></tbody></table>				Item ID	Description	Item ID	Description	None.			
Item ID	Description	Item ID	Description								
None.											




TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG
Facility/Location: Beaumont, Ca.
Site(s): Site 1

FIELD ACTIVITY SUBJECT: 2012 Periodic Inspection of Beaumont Site 1	Date: 22 May 2012
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: Construction Support: 0945: Received the Fedex shipment of the Schonstedts. 1000: Held the initial team safety meeting. 1010: Did a blanket test on the schonstedts. 1020: Began detector aided search of Area B. 1200: Completed Area B. 1215: Began detector aided search of Area D. 1800: Completed Area D. 1815: Cleaned and stowed equipment and tested the Schonstedts 1830: Held a post shift meeting and secured for the day. 1845: Received replacement rental vehicle. 1900: Began reports. 2000: Completed reports.	
IMPORTANT PHONE CALLS/DECISIONS: Travizon was called to get a replacement rental vehicle due to a flat tire.	
FIELD TASK MODIFICATIONS: None	
WEATHER CONDITIONS: Sunny and 87	
VISITORS ON SITE: None	
PERSONNEL ON SITE: Mark Ladd, Nick Brantley, Alfred Smith, Frank Looney	
SIGNATURE: Mark Ladd 	DATE: 22 May 2012

Facility/Location: Beaumont, Ca.
Site(s): Site 1

	<h2 style="margin:0;">INITIAL PHASE INSPECTION REPORT</h2>															
Project Name: <u>Beaumont, Ca. Site 1</u> Report No: _____ Project No: <u>112IC04308</u> Location: <u>Beaumont, Ca.</u> Date: <u>22 May 12</u>																
I. Definable Feature of Work (See Worksheet No. 12 and update list)																
<table style="width:100%; border: none;"> <tr> <td><input checked="" type="checkbox"/> Site Preparation (incl. mobilization)</td> <td><input type="checkbox"/> UXO Escort/ Avoidance Operations</td> <td><input type="checkbox"/> De-Mobilize</td> </tr> <tr> <td><input checked="" type="checkbox"/> Site Survey</td> <td><input type="checkbox"/> MEC Treatment</td> <td><input type="checkbox"/> Construction Support</td> </tr> <tr> <td><input type="checkbox"/> Detector/Visual Survey</td> <td><input type="checkbox"/> MPPEH inspect</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Manual MEC/MPPEH</td> <td><input type="checkbox"/> MPPEH Cert</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> Donor Explosives Handling</td> <td><input type="checkbox"/> MPPEH Disposal</td> <td><input type="checkbox"/></td> </tr> </table>		<input checked="" type="checkbox"/> Site Preparation (incl. mobilization)	<input type="checkbox"/> UXO Escort/ Avoidance Operations	<input type="checkbox"/> De-Mobilize	<input checked="" type="checkbox"/> Site Survey	<input type="checkbox"/> MEC Treatment	<input type="checkbox"/> Construction Support	<input type="checkbox"/> Detector/Visual Survey	<input type="checkbox"/> MPPEH inspect	<input type="checkbox"/>	<input type="checkbox"/> Manual MEC/MPPEH	<input type="checkbox"/> MPPEH Cert	<input type="checkbox"/>	<input type="checkbox"/> Donor Explosives Handling	<input type="checkbox"/> MPPEH Disposal	<input type="checkbox"/>
<input checked="" type="checkbox"/> Site Preparation (incl. mobilization)	<input type="checkbox"/> UXO Escort/ Avoidance Operations	<input type="checkbox"/> De-Mobilize														
<input checked="" type="checkbox"/> Site Survey	<input type="checkbox"/> MEC Treatment	<input type="checkbox"/> Construction Support														
<input type="checkbox"/> Detector/Visual Survey	<input type="checkbox"/> MPPEH inspect	<input type="checkbox"/>														
<input type="checkbox"/> Manual MEC/MPPEH	<input type="checkbox"/> MPPEH Cert	<input type="checkbox"/>														
<input type="checkbox"/> Donor Explosives Handling	<input type="checkbox"/> MPPEH Disposal	<input type="checkbox"/>														
II. References (DOD Inst, Corporate references, SOPs, etc.):																
Work Plan																
III. Personnel Present (employees performing the work) Attach supplemental sheet if necessary																
Name	Position	Company														
Mark Ladd	SUXOS/ Safety/QC	Tetra Tech														
Nick Brantley	Tech	Tetra Tech														
Alfred Smith	Tech	Tetra Tech														
Frank Loney	Tech															
IV. Preparatory Work (equipment set up & testing, EZ set up, logbook entries, etc.)																
Is preliminary work complete and correct? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																
If No, what action(s) will be taken?																
V. Task Execution																
Is work being completed in accordance with plans and specifications? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																
If No, what corrective action(s) will be taken?																
Is workmanship acceptable? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																
If No, what action(s) will be taken?																
V. Resolve Differences																

Facility/Location: Beaumont, Ca.
Site(s): Site 1



	INITIAL PHASE INSPECTION REPORT		
Project Name: <u>Beaumont, Ca. Site 1</u>		Report No: _____	
Project No: <u>112IC04308</u>	Location: <u>Beaumont, Ca.</u>	Date: <u>22 May 12</u>	
Comments: <i>None</i>			
VI. Safety (Review work conditions using HASP and AHAs)			
Comments: <i>None</i>			
VII. Results of Inspection			
<input checked="" type="checkbox"/> Acceptable		<input type="checkbox"/> Unacceptable	NCR #: _____
Name: <u>Mark Ladd</u>	Signature: _____		Date: <u>22 May 12</u>
QC Manager Comments			
None			
QC Manager Review			
<input checked="" type="checkbox"/> Concur	<input type="checkbox"/> Non-Concur	Signature: <u>Mark Ladd</u>	Date: <u>22 May 12</u>
VIII. Distribution			
<input type="checkbox"/> PM	<input type="checkbox"/> UXO Project MGR	<input checked="" type="checkbox"/> UXOS/QC	<input checked="" type="checkbox"/> SUXOS
		<input type="checkbox"/> CLIENT REP	





Facility/Location: Beaumont, Ca.

Site(s): Area 1

DAILY QUALITY CONTROL REPORT		
Project Name: <u>Beaumont Area 1</u> Report No: _____		
Project No: <u>112IC04308</u> Location: <u>Beaumont, Ca.</u> Date: <u>22 May 12</u>		
I. Personnel Present (Reference/attach SUXOS's daily report if applicable): See Daily Tailgate Safety Form		
II. Definable Feature of Work (see SAP Worksheet No. 12 and revise list as needed)		
<input type="checkbox"/> Mob/Site Prep/Site Security	<input type="checkbox"/> MPPEH Management Disposal	<input type="checkbox"/>
<input checked="" type="checkbox"/> Site Survey	<input type="checkbox"/> Demobilization	<input type="checkbox"/>
<input checked="" type="checkbox"/> Detector-Aided Visual Survey	<input type="checkbox"/> Construction Support	<input type="checkbox"/>
<input type="checkbox"/> Manual MEC/MPPEH Ops	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> UXO Escort/ Avoidance Operation	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Donor Explosives Handling	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> MEC Treatment	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> MPPEH Management Inspection	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> MPPEH Management Certification	<input type="checkbox"/>	<input type="checkbox"/> Other:
III. Quality Control Activities (Include blind seed coordinates and results and reference/attach inspection/surveillance reports):		
No Blind Seeds this project. Observed the team using the Schonstedt to search the dry river beds and other areas in Area 1.		
IV. Problems Encountered / Corrective Actions Taken		
Schonstedt serial number 04276 was not working properly and could not be fixed on site. Replaced with spare on hand and returned the bad unit to vendor.		
V. Directions Given / Received:		
Gave a short refresher on proper sweeping methods using the Schonstedt		
VI. Special Notes / Lessons Learned		
None		
VII. Visitors:		
<input type="checkbox"/> Yes (see Visitor's Log/Daily Activity Log) <input checked="" type="checkbox"/> No		
VIII. Approval		
Name and Signature: <u>Mark A. Ladd</u>	Title/Company: <u>Safety/QC Tetra Tech</u>	Date: <u>22 May 12</u>
 		Revised March 2011



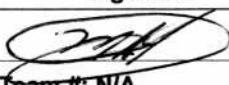
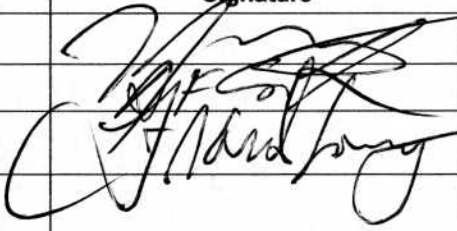
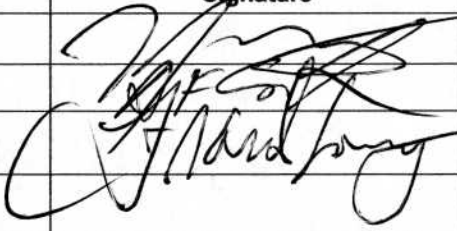
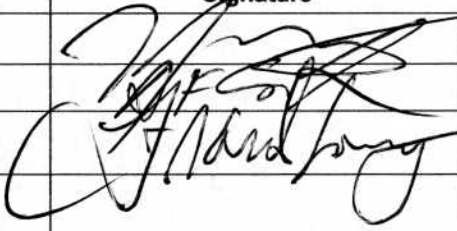
TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, Ca.

Site(s): Area 1

FIELD ACTIVITY SUBJECT: Detector aided search of Area 1		Date	22 May 12
PROJECT NO.: 112IC04308		TASK CODES: 01.208B	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Blanket tested the Schonstedt's and tested the Garmin GPS. Walked and searched Area's B and D.			
VISITORS ON SITE (indicate if received Site-Specific raining): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: 87 and Sunny		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Briefing/Training Record			
SIGNATURE: Mark A. Ladd		DATE: 22 May 12	

**TETRA TECH****MRP FF.22****DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD****Facility/Location:** Beaumont, Ca. **Site(s):** Test Site 1

1. Briefing(s) Given By:	Name	Signature	Position
	Mark Ladd		SUXOS/UXOSO/QC
Date: 22 May 12	Time: 0700	Team #: N/A	
2. Reason for Briefing:			
<input checked="" type="checkbox"/> Initial Safety Briefing <input checked="" type="checkbox"/> Daily Safety Briefing <input type="checkbox"/> New Task Briefing: _____ <input type="checkbox"/> Periodic Safety Meeting		<input type="checkbox"/> New Site Procedure: _____ <input type="checkbox"/> New Site Information: _____ <input type="checkbox"/> Review of Site Information <input type="checkbox"/> Other: (Specify) _____	
3. List Today's Project Tasks (reference definable features of work – See Worksheet 12.):			
<input type="checkbox"/> Site Preparation (incl. mobilization) <input checked="" type="checkbox"/> Site Survey <input type="checkbox"/> Vegetation Management <input type="checkbox"/> GPS Positional Data <input type="checkbox"/> Construction Support	<input checked="" type="checkbox"/> Detector Aided Survey <input type="checkbox"/> Target Acquisition <input type="checkbox"/> Manual Intrusive Operations <input type="checkbox"/> Donor Explosives Handling <input type="checkbox"/> MEC Management (Treatment)	<input type="checkbox"/> MPPEH Management (Inspection) <input type="checkbox"/> MPPEH Management (Cert.) <input type="checkbox"/> MPPEH Management (Disposal) <input type="checkbox"/> Demobilization <input type="checkbox"/> Other:	
4. Safety Topics: (Check All That Apply – per AHA or Work Permit)			
<input checked="" type="checkbox"/> Site Safety Personnel <input checked="" type="checkbox"/> Site/Work Area Description <input checked="" type="checkbox"/> Physical Hazards <input type="checkbox"/> Chemical/Biological Hazards <input checked="" type="checkbox"/> Heat/Cold Stress <input type="checkbox"/> Work/Support Zones <input checked="" type="checkbox"/> PPE <input checked="" type="checkbox"/> Safe Work Practices <input checked="" type="checkbox"/> Air Monitoring <input type="checkbox"/> Task Training <input type="checkbox"/> OE Precautions		<input type="checkbox"/> Decontamination Procedures <input checked="" type="checkbox"/> Emergency Response/Equipment <input type="checkbox"/> On-Site Injuries/Illness <input type="checkbox"/> Reporting Procedures <input checked="" type="checkbox"/> Directions to Medical Facility <input type="checkbox"/> Drug and Alcohol Policies <input type="checkbox"/> Medical Monitoring <input checked="" type="checkbox"/> Evacuation/Egress Procedures <input checked="" type="checkbox"/> Communications <input type="checkbox"/> Confined Spaces <input type="checkbox"/> Other:	
5. Remarks:			
6. Personnel Attending			
Name	Signature		Position
Nick Brantley			Tech #
Alfred Smith			Tech 1
Frank Loney			Tech I




TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG
Facility/Location: Beaumont, Ca.
Site(s): Site 1

FIELD ACTIVITY SUBJECT: 2012 Periodic Inspection of Beaumont Site 1		Date: 23 May 2012
PROJECT NO: 112IC04308	TASK CODES: 01.208B	
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Detector aided search of Areas G and H.</p> <p>GPS coordinates for subsurface anomalies in Area H (Land Fill):</p> <p>1. 33°51'28.3N, 116°58'44.2W 2. 33°51'50.0N, 116°58'76.8W 3. 33°51'30.8N, 116°58'47.1W 4. 33°51'30.2N, 116°58'46.4W 5. 33°51'30.0N, 116°58'46.1W (multiple hits) 6. 33°51'28.5N, 116°58'45.1W 7. 33°51'28.4N, 116°58'45.1W 8. 33°51'29.1N, 116°58'45.8W (multiple hits) 9. 33°51'29.8N, 116°58'46.5W (multiple hits) 10. 33°51'30.2N, 116°58'46.7W 11. 33°51'29.9N, 116°58'47.5W (multiple hits) 12. 33°51'28.3N, 116°58'46.9W 13. 33°51'28.3N, 116°58'47.1W (multiple hits) 14. 33°51'28.8N, 116°58'47.4W 15. 33°51'28.1N, 116°58'47.3W (multiple hits) 16. 33°51'26.0N, 116°58'43.9W 17. 33°51'26.3N, 116°58'43.1W (multiple hits) 18. 33°51'24.0N, 116°58'42.3W 19. 33°51'24.1N, 116°58'42.1W 20. 33°51'26.2N, 116°58'41.0W 21. 33°51'23.7N, 116°58'38.2W</p> <p>Note that items marked as (multiple hits) were areas where a large concentration of items were detected. Some of these areas were as large as 20 feet in dia. and most of the hits were concentrated on the West side of the land fill.</p> <p>GPS coordinates for subsurface anomalies in Area G:</p> <p>1. 33°51'13.3N, 116°57'54.9W 2. 33°51'13.3N, 116°57'54.8W 3. 33°51'13.6N, 116°57'54.9W 4. 33°51'12.2N, 116°57'55.1W 5. 33°51'11.3N, 116°57'55.8W (start) 6. 33°51'11.1N, 116°57'56.5W (finish)</p> <p>Note: #5 and #6 above mark the beginning and the end of a large concentration of multiple hits in the floor of the river bed running east to west and ranging nearly the entire width of the river bed.</p> <p>7. 33°51'11.3N, 116°57'59.6W</p>		






TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG
Facility/Location: Beaumont, Ca.

Site(s): Site 1

FIELD ACTIVITY SUBJECT: 2012 Periodic Inspection of Beaumont Site 1	Date: 23 May 2012								
LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE (for documentation see MEC/MPPEH/MDAS Tracking Logs for added details): <table style="width: 100%; border-top: 1px solid black; border-bottom: 1px solid black;"><tr><th style="text-align: left;">Item ID</th><th style="text-align: left;">Description</th><th style="text-align: left;">Item ID</th><th style="text-align: left;">Description</th></tr><tr><td colspan="4" style="padding-top: 10px;">None.</td></tr></table>		Item ID	Description	Item ID	Description	None.			
Item ID	Description	Item ID	Description						
None.									
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: Construction Support: 0700: Held the Tailgate Safety team safety meeting. 0715: Did a blanket test on the schonstedts. 0720: Began detector aided search of Area H (Land Fill). 1230: Completed Area H (Land Fill). 1300: Began detector aided search of Area G. 1700: Completed Area G. 1715: Cleaned and stowed equipment and tested the Schonstedt's 1730: Held a post shift meeting and secured for the day. 1900: Began reports. 2000: Completed reports.									
IMPORTANT PHONE CALLS/DECISIONS: None									
FIELD TASK MODIFICATIONS: None									
WEATHER CONDITIONS: Sunny and 89									
VISITORS ON SITE: None									
PERSONNEL ON SITE: Mark Ladd, Nick Brantley, Alfred Smith, Frank Looney									
SIGNATURE: Mark Ladd 	DATE: 23 May 2012								

Facility/Location: Beaumont, Ca.

Site(s): Area 1


		DAILY QUALITY CONTROL REPORT	
Project Name: <u>2012 Periodic Inspection of Beaumont Site 1</u> Report No: <u>01</u>			
Project No: <u>112IC04308</u>		Location : <u>Beaumont, Ca.</u> Date: <u>23 May 12</u>	
I. Personnel Present (Reference/attach SUXOS's daily report if applicable): See Daily Tailgate Safety Form			
II. Definable Feature of Work (see SAP Worksheet No. 12 and revise list as needed)			
<input type="checkbox"/> Mob/Site Prep/Site Security	<input type="checkbox"/> MPPEH Management Disposal	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Site Survey	<input type="checkbox"/> Demobilization	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Detector-Aided Visual Survey	<input type="checkbox"/> Construction Support	<input type="checkbox"/>	
<input type="checkbox"/> Manual MEC/MPPEH Ops	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> UXO Escort/ Avoidance Operation	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Donor Explosives Handling	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> MEC Treatment	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> MPPEH Management Inspection	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> MPPEH Management Certification	<input type="checkbox"/>	<input type="checkbox"/> Other:	
III. Quality Control Activities (Include blind seed coordinates and results and reference/attach inspection/surveillance reports):			
No Blind Seeds this project. Tested Schonstedts using blanket test, all instruments pass. Observed the team using the Schonstedt to search the dry river beds and other areas in Area 1 (section G & H).			
IV. Problems Encountered / Corrective Actions Taken			
None			
V. Directions Given / Received:			
None			
VI. Special Notes / Lessons Learned			
None			
VII. Visitors:			
<input type="checkbox"/> Yes (see Visitor's Log/Daily Activity Log)		<input checked="" type="checkbox"/> No	
VIII. Approval			
Name and Signature: Mark A. Ladd		Title/Company: Safety/QC Tetra Tech	Date: 23 May 12
 		Revised March 2011	



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, Ca.

Site(s): Area 1

FIELD ACTIVITY SUBJECT: 2012 Periodic Inspection of Beaumont Site 1		Date	23 May 12
PROJECT NO.: 112IC04308		TASK CODES: 01.208B	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Conducted morning safety brief. Main topic Heat stress and snakes Inspected workers PPE all personnel are wearing the proper PPE. Blanket tested the Schonstedts and the Garmin GPS, all instruments pass checks. Work area is clear of nonessential personnel. Work started Walked and searched Area's G and H. Team is performing tasks in accordance with site documents. No safety issues to report.			
VISITORS ON SITE (indicate if received Site-Specific raining): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: 89 and Sunny		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Briefing/Training Record			
SIGNATURE: Mark A. Ladd 		DATE: 23 May 12	




TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG
Facility/Location: Beaumont, Ca.

Site(s): Site 1

FIELD ACTIVITY SUBJECT: 2012 Periodic Inspection of Beaumont site 1		Date: 24 May 2012									
PROJECT NO: 112IC04308		TASK CODES: 01.208B									
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Detector aided search of Areas A.</p> <p>GPS coordinates for subsurface anomalies in Area A:</p> <p>1. 33°51'54.2N, 116°56'50.1W 2. 33°51'57.6N, 116°56'49.4W 3. 33°51'57.8N, 116°56'49.2W 4. 33°51'58.0N, 116°56'49.4W 5. 33°52'01.5N, 116°56'45.9W 6. 33°52'04.4N, 116°56'45.6W 7. 33°52'06.5N, 116°56'44.7W 8. 33°52'07.6N, 116°56'44.1W 9. 33°52'07.8N, 116°56'44.1W 10. 33°52'08.1N, 116°56'43.7W 11. 33°52'08.3N, 116°56'43.6W 12. 33°52'08.9N, 116°56'43.7W 13. 33°52'09.3N, 116°56'43.9W 14. 33°52'10.0N, 116°56'43.5W 15. 33°52'12.3N, 116°56'41.7W 16. 33°52'13.7N, 116°56'42.1W 17. 33°52'14.2N, 116°56'41.6W 18. 33°52'16.5N, 116°56'41.9W 19. 33°52'16.5N, 116°56'42.1W 20. 33°52'18.3N, 116°56'41.9W 21. 33°52'20.2N, 116°56'42.1W 22. 33°52'20.9N, 116°56'42.5W 23. 33°52'21.9N, 116°56'42.5W 24. 33°52'27.2N, 116°56'40.4W 25. 33°51'31.5N, 116°56'38.3W 26. 33°51'38.3N, 116°56'35.5W 27. 33°51'46.0N, 116°56'33.6W 28. 33°51'46.8N, 116°56'34.4W 29. 33°52'47.8N, 116°56'36.6W 30. 33°52'49.0N, 116°56'36.9W 31. 33°52'57.0N, 116°56'37.1W 32. 33°53'08.4N, 116°56'39.3W 33. 33°53'10.5N, 116°56'41.3W 34. 33°53'02.8N, 116°56'37.7W 35. 33°53'01.3N, 116°56'38.5W 36. 33°53'00.2N, 116°56'38.9W 37. 33°52'51.3N, 116°56'36.2W 38. 33°52'51.3N, 116°56'36.3W 39. 33°52'45.7N, 116°56'34.8W 40. 33°52'45.5N, 116°56'34.7W 41. 33°52'35.4N, 116°56'33.7W 42. 33°52'28.3N, 116°56'40.8W 43. 33°52'24.1N, 116°56'42.2W 44. 33°52'17.7N, 116°56'41.9W 45. 33°52'17.1N, 116°56'42.5W</p> <p>Total of 45 contacts with the majority along the east wall.</p>											
<p>LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE (for documentation see MEC/MPPEH/MDAS Tracking Logs for added details):</p> <table style="width: 100%; border-collapse: collapse;"><thead><tr><th style="text-align: left; border-bottom: 1px solid black;">Item ID</th><th style="text-align: left; border-bottom: 1px solid black;">Description</th><th style="text-align: left; border-bottom: 1px solid black;">Item ID</th><th style="text-align: left; border-bottom: 1px solid black;">Description</th></tr></thead><tbody><tr><td colspan="4" style="padding-top: 10px;">None.</td></tr></tbody></table>				Item ID	Description	Item ID	Description	None.			
Item ID	Description	Item ID	Description								
None.											






TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG
Facility/Location: Beaumont, Ca.
Site(s): Site 1

FIELD ACTIVITY SUBJECT: 2012 Periodic Inspection of Beaumont site 1		Date: 24 May 2012
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: Construction Support: 0700: Held the Tailgate Safety team safety meeting. 0715: Did a blanket test on the schonstedts. 0720: Began detector aided search of Area A. 1630: Completed Area A. 1635: Cleaned and stowed equipment and tested the Schonstedt's 1650: Held a post shift meeting and packed instruments for shipping. 1700: Secured items on loan in the locked bunker on site and secured the team 1800: Prepared the equipment for FEDEX shipping. 1830: Began reports. 1930: Completed reports.		
IMPORTANT PHONE CALLS/DECISIONS: None		
FIELD TASK MODIFICATIONS: None		
WEATHER CONDITIONS: Sunny and 79		
VISITORS ON SITE: None		
PERSONNEL ON SITE: Mark Ladd, Nick Brantley, Alfred Smith, Frank Looney		
SIGNATURE: Mark Ladd 		DATE: 24 May 2012

Facility/Location: Beaumont, Ca.

Site(s): Area 1


		DAILY QUALITY CONTROL REPORT	
Project Name: <u>2012 Periodic Inspection of Beaumont Site 1</u> Report No: _____			
Project No: <u>112IC04308</u>		Location : <u>Beaumont, Ca.</u> Date: <u>24 May 12</u>	
I. Personnel Present (Reference/attach SUXOS's daily report if applicable): See Daily Tailgate Safety Form			
II. Definable Feature of Work (see SAP Worksheet No. 12 and revise list as needed)			
<input type="checkbox"/> Mob/Site Prep/Site Security	<input type="checkbox"/> MPPEH Management Disposal	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Site Survey	<input type="checkbox"/> Demobilization	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Detector-Aided Visual Survey	<input type="checkbox"/> Construction Support	<input type="checkbox"/>	
<input type="checkbox"/> Manual MEC/MPPEH Ops	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> UXO Escort/ Avoidance Operation	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> Donor Explosives Handling	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> MEC Treatment	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> MPPEH Management Inspection	<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/> MPPEH Management Certification	<input type="checkbox"/>	<input type="checkbox"/>	Other: _____
III. Quality Control Activities (Include blind seed coordinates and results and reference/attach inspection/surveillance reports):			
No Blind Seeds this project. Tested Schonstedts using the blanket test, all instruments pass. Observed the team using the Schonstedt to search the dry river beds and other areas in Area 1 (section A).			
IV. Problems Encountered / Corrective Actions Taken			
None			
V. Directions Given / Received:			
None			
VI. Special Notes / Lessons Learned			
None			
VII. Visitors:			
<input type="checkbox"/> Yes (see Visitor's Log/Daily Activity Log) <input checked="" type="checkbox"/> No			
VIII. Approval			
Name and Signature: <u>Mark A. Ladd</u>		Title/Company: <u>Safety/QC Tetra Tech</u>	Date: <u>24 May 12</u>
			
Revised March 2011			



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, Ca.

Site(s): Area 1

FIELD ACTIVITY SUBJECT: 2012 Periodic Inspection of Beaumont Site 1		Date	24 May 12
PROJECT NO.: 112IC04308		TASK CODES: 01.208B	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Conducted morning safety brief. Main topic Heat stress and snakes Inspected workers PPE all personnel are wearing the proper PPE. Blanket tested the Schonstedts and the Garmin GPS, all instruments pass checks. Work area is clear of nonessential personnel. Work started Walked and searched Area A. Team is performing tasks in accordance with site documents. No safety issues to report.			
VISITORS ON SITE (indicate if received Site-Specific raining): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: 79 and Sunny		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Briefing/Training Record			
SIGNATURE: Mark A. Ladd 			DATE: 24 May 12