

2016 Munitions and Explosives of Concern Inspection Report Potrero Canyon (Lockheed Martin Beaumont Site 1) Beaumont, California



Prepared for:



301 E. Vanderbilt Way, Suite 450
San Bernardino, California 92408
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2016 MUNITIONS AND EXPLOSIVES OF CONCERN INSPECTION REPORT POTRERO CANYON (LOCKHEED MARTIN BEAUMONT SITE 1) BEAUMONT, CALIFORNIA

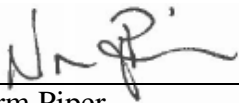
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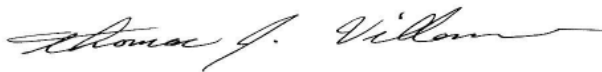
Prepared by:

Tetra Tech, Inc.

August 2016



Norm Piper
UXO Project Manager



Thomas Villeneuve
Program Manager

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ABBREVIATIONS AND ACRONYMS

AOC	area of concern
GPS	global positioning system
HCP	Habitat Conservation Plan
HDT	Riverside County Sheriff's Hazardous Devices Team
ID	identification
LMC	Lockheed Martin Corporation
MEC	munitions and explosives of concern
MD	munitions debris
MPPEH	material potentially presenting an explosive hazard
site	Potrero Canyon (Lockheed Martin Beaumont Site 1)
Tetra Tech	Tetra Tech, Inc.
TP	target practice round
TPLZ	terraced projectile landing zone
USFWS	United States Fish and Wildlife Service
UXO	unexploded ordnance

SECTION 1 INTRODUCTION

This Munitions and Explosives of Concern Inspection Report has been prepared by Tetra Tech, Inc. on behalf of Lockheed Martin Corporation, and presents the results of the 2016 munitions and explosives of concern inspection of Potrero Canyon (Lockheed Martin Beaumont Site 1). The site is located in an undeveloped area south of the City of Beaumont, Riverside County, California (Figure 1). Most of the site is within 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 California Department of Toxic Substances Control. California's Wildlife Conservation Board, Department of Fish and Game, Resources Agency owns approximately 94% (8,552 acres) of Potrero Canyon. The remaining 565 acres, referred to as the conservation easement, were retained by Lockheed Martin Corporation (Figure 2).

Munitions and explosives of concern (MEC) investigations and removal at the site have been completed. While all reasonable steps to mitigate the risk have been taken, there is potential for residual munitions and explosives of concern to be present. As a result, Lockheed Martin Corporation has implemented a munitions and explosives of concern inspection program. The inspection program is intended to check those areas where munitions and explosives of concern were found or where inert projectiles are known to remain, and to assess whether any have been exposed by erosion or other forces. If inert projectiles or munitions and explosives of concern are found, they are removed and/or disposed of appropriately. Inspections have been conducted annually since 2011 to assess if munitions and explosives of concern have been uncovered or exposed by various natural causes. The areas designated for inspection include: the streambeds in Area A (Eastern Aerojet Range), Area D (Lockheed Propulsion Company Ballistics Test Range), and Area G (Helicopter Weapons Test Area), and the Phalanx Target berm located in Area B (Rocket Motor Production Area), the berm at the base of the terraced projectile landing zone located in Area D, and the landfill located in Area H (Sanitary Landfill) (Figures 3 through 7). The locations for inspection are based on recommendations from the *Munitions and Explosives of Concern Awareness Training Plan* (Tetra Tech, 2011).

The 2016 inspection followed the annual inspection schedule presented in Table 1. The inspection methodology was completed in compliance with the *Post Removal Action Residual Munitions and Explosives of Concern Work Plan* (Tetra Tech 2016).

Additional modifications to the inspection schedule will be proposed based on the findings from future inspections. All proposed modifications to the inspection schedule will require the approval of California Department of Toxic Substances Control.

The objectives of this report are to:

- Briefly summarize the site history.
- Report findings and disposal activities.

This Report is organized into the following sections: 1) Introduction, 2) Summary of Inspection Results, 3) Conclusions and Recommendations, and 4) References. Tables and figures are numbered sequentially in the order of their appearance in the document, and are presented at the end of the report body following Section 4.

1.1 SITE HISTORY

Historically, the site was used primarily for ranching. Between 1960 and 1963, the various parcels that make up the site were purchased by either Grand Central Rocket or Lockheed Propulsion Company. In the early 1960s Grand Central Rocket was acquired by the Lockheed Propulsion Company, bringing all of the parcels under their ownership. 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, Lockheed Propulsion Company used the facility for solid propellant mixing, testing, and disposal, as well as for ballistics testing. Explosives were used in their work; however, most munitions used on-site were reportedly practice rounds that did not contain high explosives. After 1974, the site was vacant except for occasional use by third-party lessees. All activity ceased at the site in 1991, except for ongoing environmental activities.

Based on historical data, the site has been divided into nine Operational Areas reflecting the types of activities known to have occurred on-site. Munitions and explosives of concern related activities were conducted in eight of the Operational Areas, as follows:

Area A - Eastern Aerojet Range

Area B - Rocket Motor Production Area

Area C - Burn Pit Area

Area D - Lockheed Propulsion 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

Figure 2 shows the eight Operational Areas included in the munitions investigations and the areas of concern that were investigated.

1.2 SUMMARY OF PREVIOUS MUNITIONS AND EXPLOSIVES OF CONCERN EVALUATIONS AND REMOVALS

Munitions and explosives of concern investigations were initiated in 2005 when two small belts of 20mm linked practice ammunition were found during the repair of a stream crossing in Area D. In November 2006, all munitions debris collected during the investigations conducted to that point were radiologically tested and no depleted uranium was identified. Removal actions were performed in 2006 and 2007. Supplemental investigations were performed in 2009 and 2010. Munitions and explosives of concern investigations or removal actions have been performed at 28 areas of concern (Figure 2). A Site-Specific Explosives Safety Hazard Assessment was completed (Tetra Tech 2012) and no further investigations or removals were proposed but post removal action inspections were proposed for six areas of concern found in Areas A, B, D, G, and H. Routine post removal action inspections were initiated in 2011 and are discussed in Section 1.3.

All munitions debris items found during the investigations were dual inspected, certified safe, and disposed of by a certified recycler. All munitions and explosives of concern items found during the investigation were treated on-site with donor explosives. A summary of what has been found to date during the munitions and explosives of concern investigations and removal actions in the six operational areas proposed for inspections is presented below.

Aerojet conducted ballistics testing in Area A. Munitions and explosives of concern investigations and the removal action resulted in the discovery and removal of inert 27.5mm and 30mm projectiles, 16mm tungsten penetrators and an inert 76mm rocket. Fragments from high explosive 30mm projectiles and several unexploded 30mm 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 20mm and 30mm rounds. Munitions and explosives of concern investigations resulted in the

discovery and removal of inert 20mm and 30mm projectiles in the Phalanx gun target berm and possible munitions fragments from the rockets. No munitions and explosives of concern were found during the investigation. It was determined that a removal action was not warranted at the Area B areas of concern and 20mm and 30mm projectiles (presumed to be inert) are still present.

Lockheed Martin Corporation tested several weapons platforms in Area D including a Navy five-inch gun, an Army 155mm gun, 40mm and 37mm guns, land mines, and incendiary bombs. During munitions and explosives of concern investigations inert projectiles and some munitions fragments were found. Unfired large caliber burster tubes and 20mm practice rounds were also found along the streambed. These unfired items were classified as munitions and explosives of concern because the propellant in them represented a potential explosive hazard. A removal was conducted in the area of the streambed.

Lockheed Martin Corporation performed helicopter weapons testing in Area G. Various calibers of weapons were tested (40mm grenade launcher, 30mm cannon, and 7.62mm machine gun). All munitions fired were reportedly inert or practice rounds. The areas of concern at this testing site were investigated and all of the projectiles recovered during the investigation were inert. No munitions and explosives of concern were found during the investigation. It was determined that a removal action was not warranted at the Area G areas of concern 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 7.62mm machine gun ammunition used in Area G was reportedly disposed of in the landfill. No munitions and explosives of concern were found.

1.3 POST REMOVAL ACTION ROUTINE INSPECTION AREAS

As discussed above, while all reasonable steps to mitigate the risk have been taken, potential for residual munitions and explosives of concern remains. The majority of the munitions and explosives of concern uncovered to date were found near the ground surface but munitions and explosives of concern detection equipment has depth limitations. Therefore, erosion could expose errant or buried munitions and explosives of concern. The inspection program is intended to check those areas where munitions and explosives of concern were found or where inert projectiles are known to remain, and

to assess whether any have been exposed and pose a threat. During the course of previous investigations, six of the 28 areas investigated were found to contain munitions and explosives of concern, inert projectiles, or remnants of potential munitions and explosives of concern. Therefore, these six areas of concern were included in a routine inspection program intended to look for and continue to evaluate the potential for residual munitions and explosives of concern. In the other 22 areas, there is no evidence of potential munitions and explosives of concern contamination. The six areas of concern chosen for inspection are described below:

Area A Streambed – There are four areas of concern in Area A but only the streambed is a concern with respect to erosion. Potrero Creek runs adjacent to the Target Impact Area, area of concern. No munitions and explosives of concern were found in the Area A Streambed area of concern but they were found in the Target Impact Area, area of concern. The banks of the streambed continue to erode material from the former Target Impact Area, area of concern. Further, secondary erosion features that drain into Potrero Creek have also developed. Some of these secondary features have developed in the Target Impact Area, area of concern, as well. As a result, the Area A Streambed area of concern and the secondary erosion features have been included in the munitions and explosives of concern inspection program. The area of concern is presented in Figure 3.

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 munitions and explosives of concern 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 20mm and 30mm projectiles were recovered from the berm. No munitions and explosives of concern were 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 area of concern has been included in the munitions and explosives of concern inspection program to allow removal of the inert practice projectiles as they erode out of the berm. The area of concern is presented in Figure 4.

Area D Berm at the base of the Terraced Projectile Landing Zone – While no explosive projectiles were reported to have been tested at this range, fragments were found near a presumed target located up range of the berm and appeared to have been generated by explosive, not mechanical, means.

The berm was investigated and detected items were removed. No munitions and explosives of concern were 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 terraced projectile landing zone has been included in the munitions and explosives of concern inspection program. The area of concern is presented in Figure 5.

Area D Streambed – Bedsprings Creek bisects Area D. While no known munitions and explosives of concern 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 streambed. These items are considered munitions and explosives of concern. 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 area of concern has been included in the munitions and explosives of concern inspection program. The area of concern is presented in Figure 5.

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 30mm fragments, and inert 40mm projectiles. No munitions and explosives of concern were found in the Area G Streambed. 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 area of concern has been included in the munitions and explosives of concern inspection program to allow the removal of the inert practice projectiles if they erode out of the stream bank. The area of concern is presented in Figure 6.

Area H Sanitary Landfill – The landfill is closed and covered; however, there is anecdotal information that small arms ammunition (7.62mm) was placed in the landfill. While temporary erosion protection measures are in place, the surface of the landfill is sloped at approximately six percent 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 area of concern has been included in the

munitions and explosives of concern inspection program. Temporary erosion control measures as well as quarterly inspection will continue to be utilized until a final solution is in place. The area of concern is presented in Figure 7.

Table 2 contains a summary of the six areas of concern that have been included in the inspections, an evaluation of the types of munitions/ammunition that may have been used in each area and may potentially be present, and a summary of what has been discovered during prior routine inspections. The inspections have been conducted annually since 2011. During the first two years' inspections, only anomalies proud of the surface were inspected. Subsurface inspections were added in 2013.

SECTION 2 SUMMARY OF INSPECTION RESULTS

The annual inspection for MEC was performed in April 2016. Section 2.1 describes the results of the instrument-aided surface survey and any associated subsurface investigations.

2.1 ANNUAL INSPECTION RESULTS

The MEC inspection is on an annual and biennial schedule. The annual event occurs in even numbered years and includes only the streambed areas of concern (AOCs) in Area A and Area D. The biennial event occurs in odd numbered years and includes inspection of all six AOCs listed in Table 1.

Instrument-aided surface surveys were conducted at two AOCs between 22 April 2016 and 25 April 2016. Each morning prior to initiating the surveys, the magnetometers were tested. The blanket tests confirmed that all of the instruments were performing correctly, with documentation for this provided in Appendix A.

Twenty surface anomalies and 10 subsurface anomalies were investigated in Area A (Figure 8). All were determined to be scrap metal and were removed for offsite disposal. No MEC or munitions related material were discovered in Area A.

Ten surface anomalies and 10 subsurface anomalies were investigated in Area D (Figure 8). The 10 surface anomalies and eight of the subsurface anomalies were determined to be scrap metal and were removed for offsite disposal. The remaining two subsurface anomalies recovered in Area D were determined to be munitions related. The first subsurface anomaly located in Area D was determined to be MD, a 20mm target practice (TP) projectile, containing no primer or propellant (Appendix B, Photos 17 and 18). The second subsurface anomaly, a complete unfired 20mm TP cartridge, was determined to be material potentially presenting an explosive hazard (MPPEH). Recovered MPPEH items not determined free of an explosive hazard were treated as MEC. The Riverside County Sheriff's Hazardous Devices Team was notified of the presence of the potentially hazardous item, and they responded to treat them on-site using donor explosives. The MPPEH and MD items were located in the streambed near the road crossing within the Area D riverbed.

A summary of the findings can be found in Table 3. A detailed summary of the subsurface anomalies discovered during the inspection including coordinates and excavation details can be found on the Manual Target Excavation Results Dig Sheet (Appendix A).

A nesting bird survey was performed by a biologist within the MEC inspection areas before any activities were started. Locations within the inspection areas identified as potential nesting locations were flagged and a 25 meter buffer zone was set up around each nest site. Areas that were unable to be surveyed due to nesting birds are identified on Figure 8. An attempt was made to identify the species of the nesting bird (Figure 9 and Table 4). Based on observation of nest type and location and the species of birds seen in the vicinity of the nests, the species of nesting birds identified in the survey include:

- Seven barn owl nests
- Two Bullock's oriole nests
- One Common raven nest
- Three house finch nests
- One Mourning dove nest
- One northern rough-winged swallow nest
- One Phainopepla nest
- Two Red tail hawk nests
- Two western kingbird nests

One cup nest had adult and fledgling ash-throated flycatchers nearby but an exact determination could not be made for this nest. The species could not be determined for two additional stick nests. One barn owl roost was also identified. MEC inspection activities were not performed within the 25 meter buffer zone around the nests. Prior to any excavation of subsurface anomalies the area is inspected by a biologist to ensure that there were no impacts to Stephens' kangaroo rats.

SECTION 3 CONCLUSIONS AND RECOMMENDATIONS

Two of the six munitions and explosives of concern areas were examined during the 2016 munitions and explosives of concern inspection. The two areas of concern inspected were the streambeds in Operational Areas A and D where munitions and explosives of concern were removed during the assessment and removal work previously conducted. A total of 20 subsurface anomalies were recorded), as follows:

- Area A streambed had 20 surface and 10 subsurface anomalies:
 - The 20 surface anomalies were identified as scrap metal
 - The 10 subsurface anomalies were identified as scrap metal.
- Area D streambed had 10 surface and 10 subsurface anomalies:
 - The 10 surface anomalies were identified as scrap metal.
 - One subsurface anomaly was identified as a 20mm TP projectile –MD.
 - One subsurface anomaly was identified as a complete unfired 20mm TP cartridge - MPPEH.
 - Eight of the subsurface anomalies were identified as scrap metal.

The 20 mm complete cartridge was recovered and treated by detonation by the Riverside County Sheriff's Hazardous Devices Team. It was determined to be inert. One munitions debris item was dual inspected and certified as free of an explosive hazard. The munitions debris that was collected from the site was delivered to the Combat Center EOD at 29 Palms by the Riverside County Sheriff's Department, Hazardous Device Team, where it was demiled and recycled. All scrap metal was disposed of offsite.

The discovery of subsurface metallic anomalies in the inspection areas is not unanticipated since metallic anomalies, some related to munitions and explosives of concern, were found in these areas during the assessment and removal work previously conducted. In those areas that were surveyed for assessment purposes only and a removal action was not required, only a small portion of the area of concern was surveyed. Regardless of the level of survey performed, finding metallic anomalies

in these areas is not unanticipated. 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. It is also possible that metallic objects were transported into the area. Therefore, the presence of subsurface metallic anomalies is not necessarily indicative of munitions-related material.

Instrument-aided surface inspections have been conducted for six years, and this is the fourth year subsurface investigations were performed as well. Prior to the 2014 inspection, these inspections and investigations had yielded no munitions and explosives of concern in the six areas of concern evaluated. This includes the two areas of concern in Area A and Area D where previous munitions and explosives of concern removal activities were conducted. This year munitions debris were found in the streambed in Area D.

The goal of the routine inspections is the discovery and removal of potentially hazardous munitions which may become exposed over time. Based on site history and the findings from the five routine inspections conducted to date, it is recommended that the inspection schedule presented in Table 1 be followed for the 2017 inspection with no recommended changes.

The inspections are performed in the Spring following the rainy season to try and locate MEC that may have been exposed due to erosion as early in the year as possible. Unfortunately, this time frame also coincides with the nesting bird season. As a result, those portions of the site proposed for inspection that have nesting birds are not inspected. It is recommended that the United States Fish and Wildlife Service and the California Department of Fish and Wildlife be consulted to evaluate if it is possible to inspect the entire area proposed for inspection regardless of the presence of nesting birds or not.

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, 2011. *Munitions and Explosives of Concern (MEC) Awareness Training Plan, Former Beaumont Site 1, Beaumont, California*, March
5. Tetra Tech, 2015. *2015 Munitions and Explosives of Concern Inspection Report Potrero Canyon (Lockheed Martin Beaumont Site 1), Beaumont, California*, September 2015
6. Tetra Tech, 2016. *Post Removal Action Residual Munitions and Explosives of Concern Work Plan Potrero Canyon (Lockheed Martin Beaumont Site 1), Beaumont, California*, May 2016
7. 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.

TABLES

Table 1 Munitions and Explosives of Concern Inspection Schedule

Operational Area	Inspection Area	Inspection Schedule	Inspection Rationale
A	Streambed and Secondary Erosion Features	Annual instrument (all metals) aided surface inspections. Subsurface investigation of up to 20% of metallic anomalies detected during the inspection.	Because unexploded ordnance was found in this Operational Area during the munitions and explosives of concern investigation and removal phases, inspections should continue more frequently.
B	Phalanx Target Berm	Biennial instrument (all metals) aided surface inspections.	Investigations support that only inert projectiles were fired at this area of concern. Inert projectiles are still present but exposure by natural causes appears to be limited.
D	Berm at the Base of the Terraced Projectile Landing Zone	Biennial instrument (all metals) aided surface inspections.	No munitions-related items have been recovered from this berm and erosion of the berm appears to be limited.
D	Streambed and Secondary Erosion Features	Annual instrument (all metals) aided surface inspections. Subsurface investigation of up to 20% of metallic anomalies detected during the inspection.	Because material potentially presenting an explosive hazard was found in this Operational Area during the munitions and explosives of concern investigation and removal phases, the munitions and explosives of concern inspections should continue more frequently.
G	Streambed and Secondary Erosion Features	Biennial instrument (all metals) aided surface inspections.	Investigations support that only inert projectiles were fired at this area of concern. Inert projectiles are still present but exposure by natural causes appears to be limited.
H	Landfill	Continue routine inspections to ensure the landfill cap is not being compromised and waste is not being exposed. Biennial instrument (all metals) aided surface inspections.	Small arms munitions are reported to have been buried in the landfill but no munitions-related items have been recovered from the landfill and erosion of the interim cap appears to be limited.

Note: Up to 20 anomalies from the annual inspection areas of concern in Operational Areas A and D will be excavated during subsurface investigations.

Table 2 Summary of Historical Use and Munitions and Explosives of Concern Evaluation by Area of Concern

Operational Area	Inspection Area	Documented Historical Use	MEC Related Finds During the Investigations or Removals (2005 through 2010)	Potential Residual MEC/MD	Inspection Results				
					2011	2012	2013	2014	2015
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)	30mm high explosive projectiles and MD from adjacent range/target area	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - one 30mm projectile base MEC - none	MD - none MEC - none
B	Phalanx Target Berm	Impact area for Phalanx gun tests	Inert 20mm & 30mm TP projectiles; mechanical frag	Inert 20mm & 30mm projectiles and fragments	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none
D	Berm at the Base of the Terraced Projectile Landing Zone (TPLZ)	TPLZ impact area (gun range)	None found	20mm, 37mm, 40mm, 155mm, and 5 inch TP projectiles and MD	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none
D	Streambed and Secondary Erosion Features	None known (potential disposal)	20mm TP rounds; 20mm TP projectiles, & live Primers/Igniters	20mm TP rounds, 20mm TP projectiles, & live Primers/Igniters	MD - none MEC - none	MD - none MEC - none	MD - One inert 20mm cartridge	MD - one 30mm projectile base and one unknown munition item MEC - One 20 mm cartridge and two 20mm linked cartridges	MD - one 20mm cartridge base MEC - one 20 mm cartridge
G	Streambed and Secondary Erosion Features	40mm grenades, 30mm cannon projectiles, and 7.62mm machine gun bullets platform mounted guns test fired into stream bank	30mm & 40mm TP projectiles	30mm & 40mm TP projectiles	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none
H	Landfill	Sanitary landfill; anecdotal info that small arms rounds were buried here	None found	7.62mm belted ammunition	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none	MD - none MEC - none

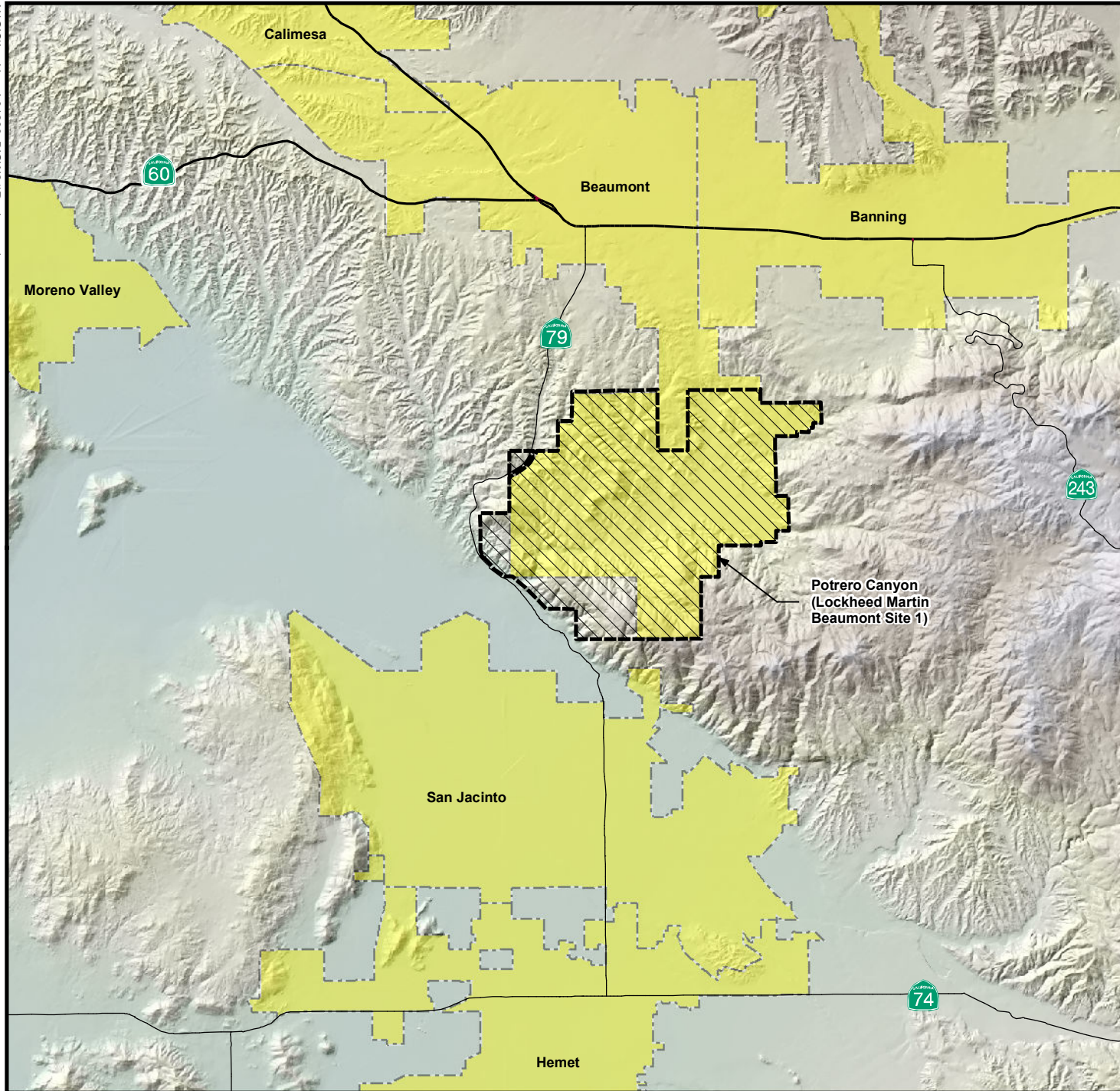
Table 3 Summary of Anomalies Discovered During the 2016 Routine MEC Inspection

Operational Area	Number Surface Anomalies Recovered	Number of Subsurface Anomalies Recovered	Types of Items Recovered	
Area A - Eastern Aerojet Range	20	10	Scrap metal	20 locations (surface) 10 location subsurface
Area D - LPC Ballistics Test Range – Steam Bed	10	10	Scrap metal	10 (surface) 8 locations (subsurface)
			MD	one 20mm TP projectile (subsurface)
			MEC	one complete unfired 20mm TP cartridge (subsurface)

Table 4 Nesting Bird Survey Summary

Nest ID	Species	Status/Observation
1	Mourning Dove	Incubating (2 eggs)
2	Not a nest - Barn Owl	Roost
3	Red-tailed Hawk	Incubating
4	Western Kingbird	Adults feeding young
5	Barn Owl	Two juveniles observed
6	Barn Owl	Three juveniles observed
7	Common Raven	Unknown
8	Unknown stick nest (possibly Western Kingbird)	Unknown
9	Barn Owl	Two adults flushed from cavity
10	House Finch	Unknown
11	Barn Owl	One juvenile observed
12	Northern Rough-winged swallow	Two nests observed, adults bringing food
13	Red-tailed Hawk	Possibly hatchlings
14	House Finch	Incubating
15	Western Kingbird	Nest building
16	Barn Owl	Active cavity - pellets, white wash, feathers, clean entrance
17	Bullock's Oriole	Unknown status, nest complete
18	Unknown stick nest (possibly Common Raven)	Unknown status
19	Unknown cup nest	Ash-throated flycatcher nearby. Fledglings trying to fly around
20	Barn Owl	Two juveniles observed
21	Phainopepla	Nest building
22	House finch	Incubating
23	Bullock's Oriole	Unknown status, nest complete
24	Barn Owl (potential)	Flushed adult from cavity

FIGURES



0 2 Miles

Adapted from:

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

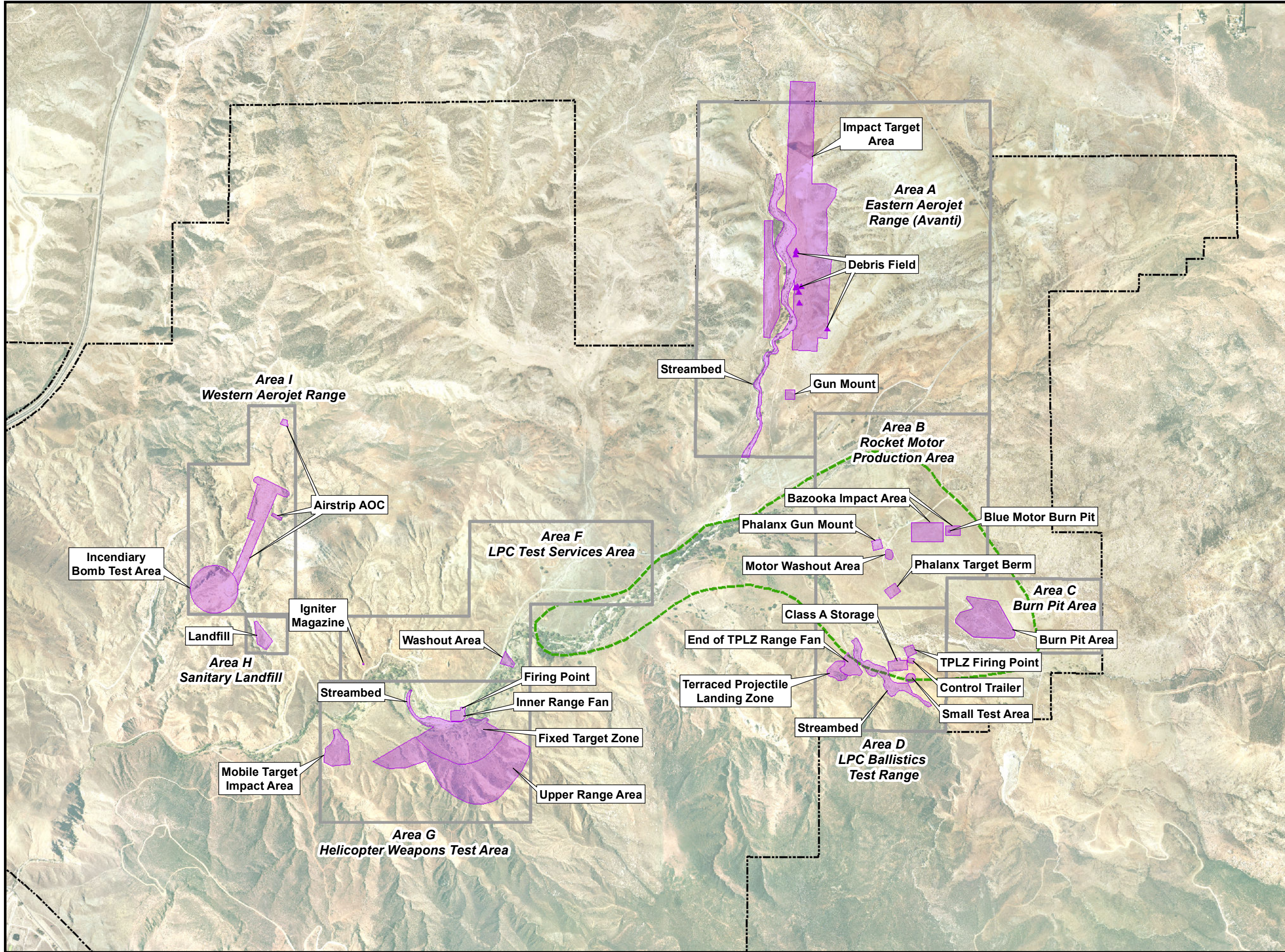
LEGEND

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

Potrero Canyon
(Lockheed Martin Beaumont Site 1)

Figure 1
Regional Location of
Potrero Canyon
(Beaumont Site 1)

X:\GIS\lockheed 31299_B\GW24AOC_11-13.mxd



0 1,000 2,000
Feet

Adapted from:
April 2007 aerial photograph.

LEGEND

- Munition and Explosives of Concern Areas of Concern
- Historical Operational Area Boundary
- Potrero Canyon Property Boundary (Lockheed Martin Beaumont Site 1)
- Conservation Easement Boundary

Note: AOC - Area of Concern

Potrero Canyon
(Lockheed Martin Beaumont Site 1)

Figure 2
Historical Operational Areas
Munition and Explosives of Concern
Areas of Concern

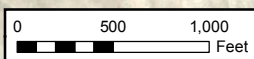
LEGEND

- Munition and Explosives of Concern
Area of Inspection
- Historical Operational
Area Boundary
- Potrero Canyon Property Boundary
(Lockheed Martin Beaumont Site 1)

Area A
Eastern Aerojet Range (Avanti)


Area of Inspection
for Secondary
Erosion

Streambed
(19.92 Acres)





Potrero Canyon
(Lockheed Martin Beaumont Site 1)

Figure 3
Area A - Area of Inspection

 TETRA TECH

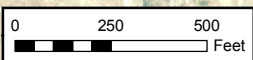
LEGEND

 Munition and Explosives of Concern
Area of Inspection

 Historical Operational
Area Boundary

Area B
Rocket Motor
Production Area

Phalanx Target Berm
(0.26 Acres)



Potrero Canyon
(Lockheed Martin Beaumont Site 1)

Figure 4
Area B - Area of Inspection



LEGEND

Munition and Explosives of Concern
Area of Inspection

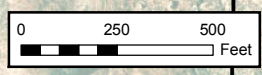
Historical Operational Area Boundary

**Area D
LPC Ballistics
Test Range**

Berm
(0.24 Acres)

Area of Inspection
for Secondary Erosion

Original Streambed AOC
(2.67 Acres)

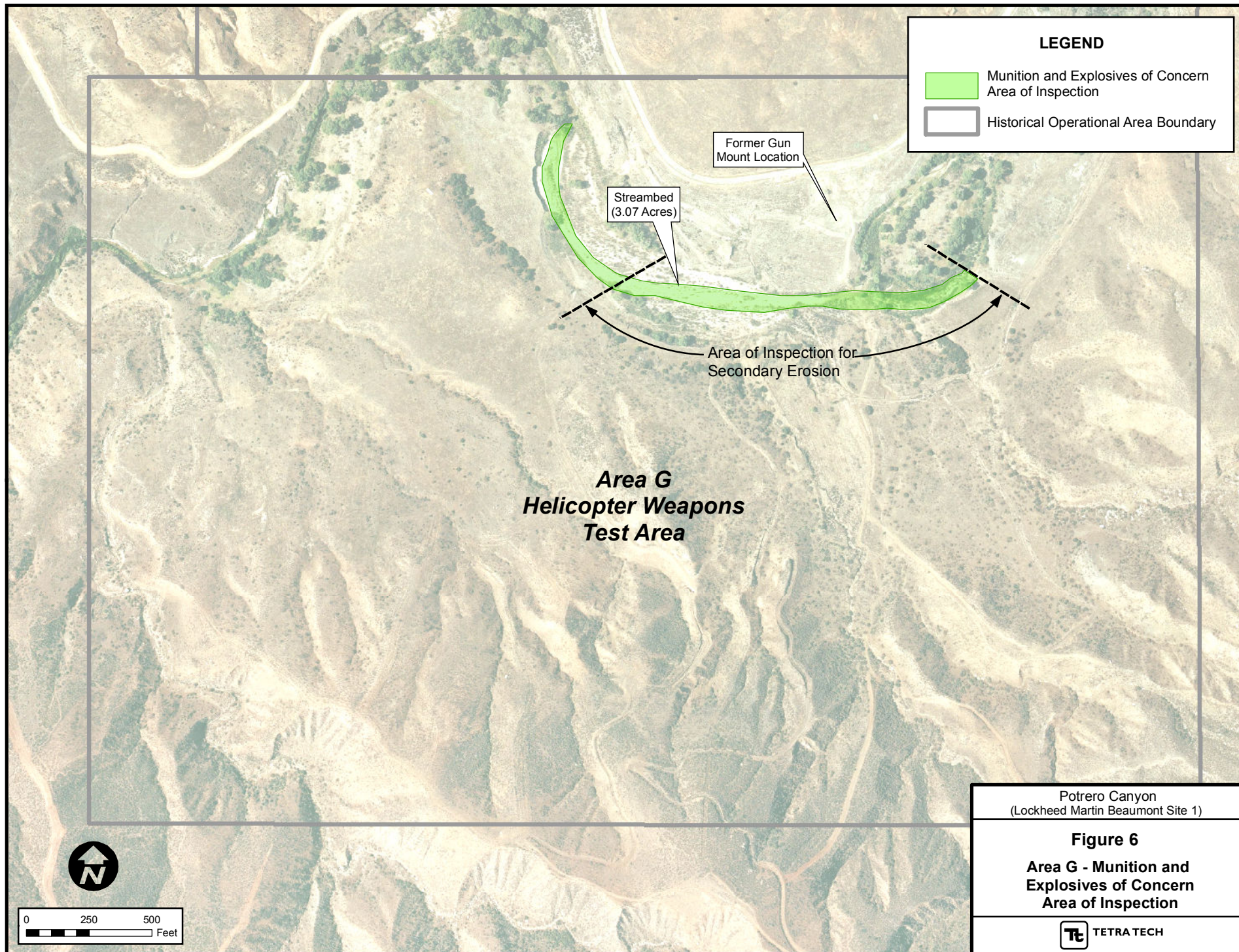


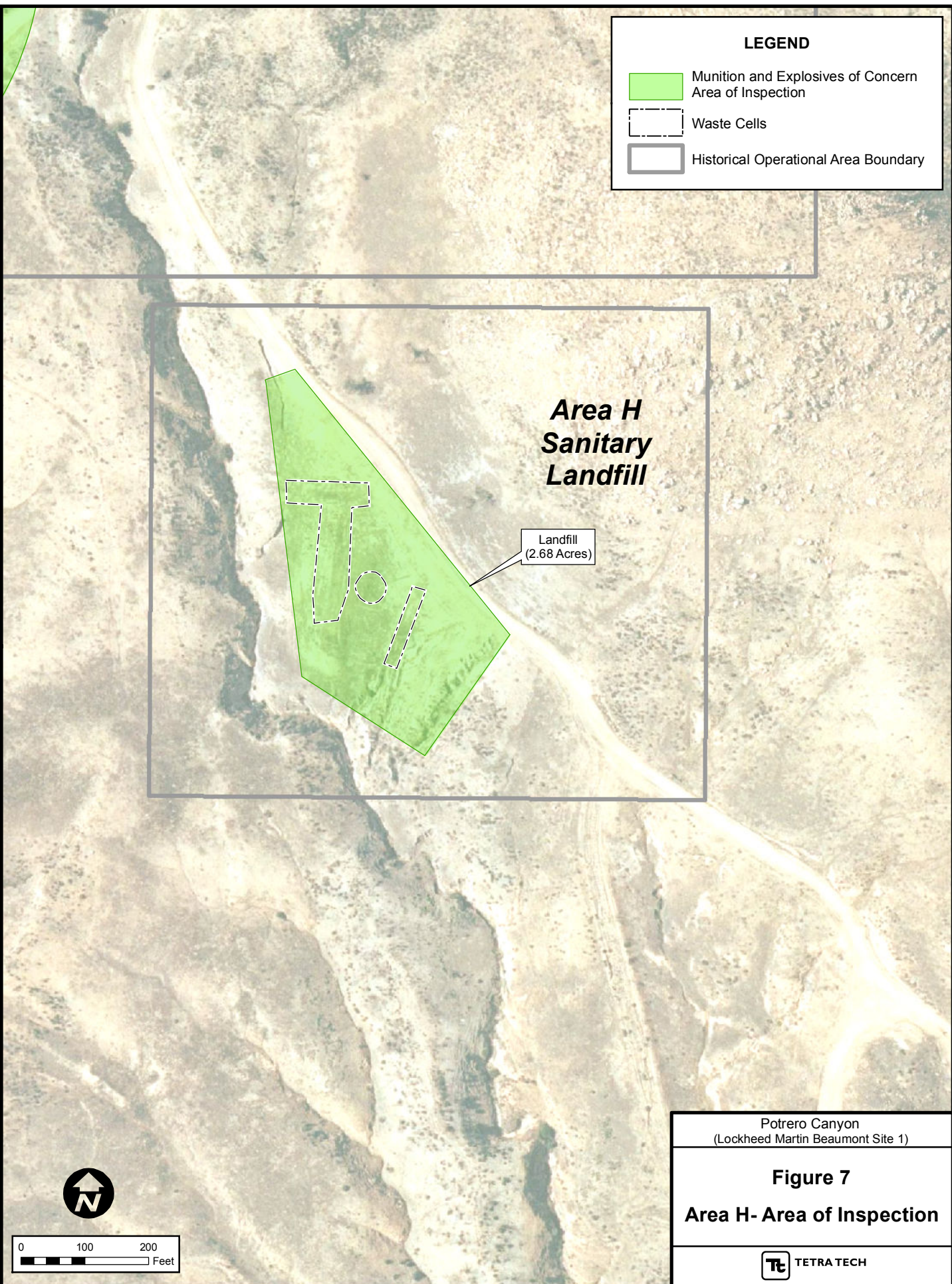
Note: AOC - Area of Concern

Potrero Canyon
(Lockheed Martin Beaumont Site 1)

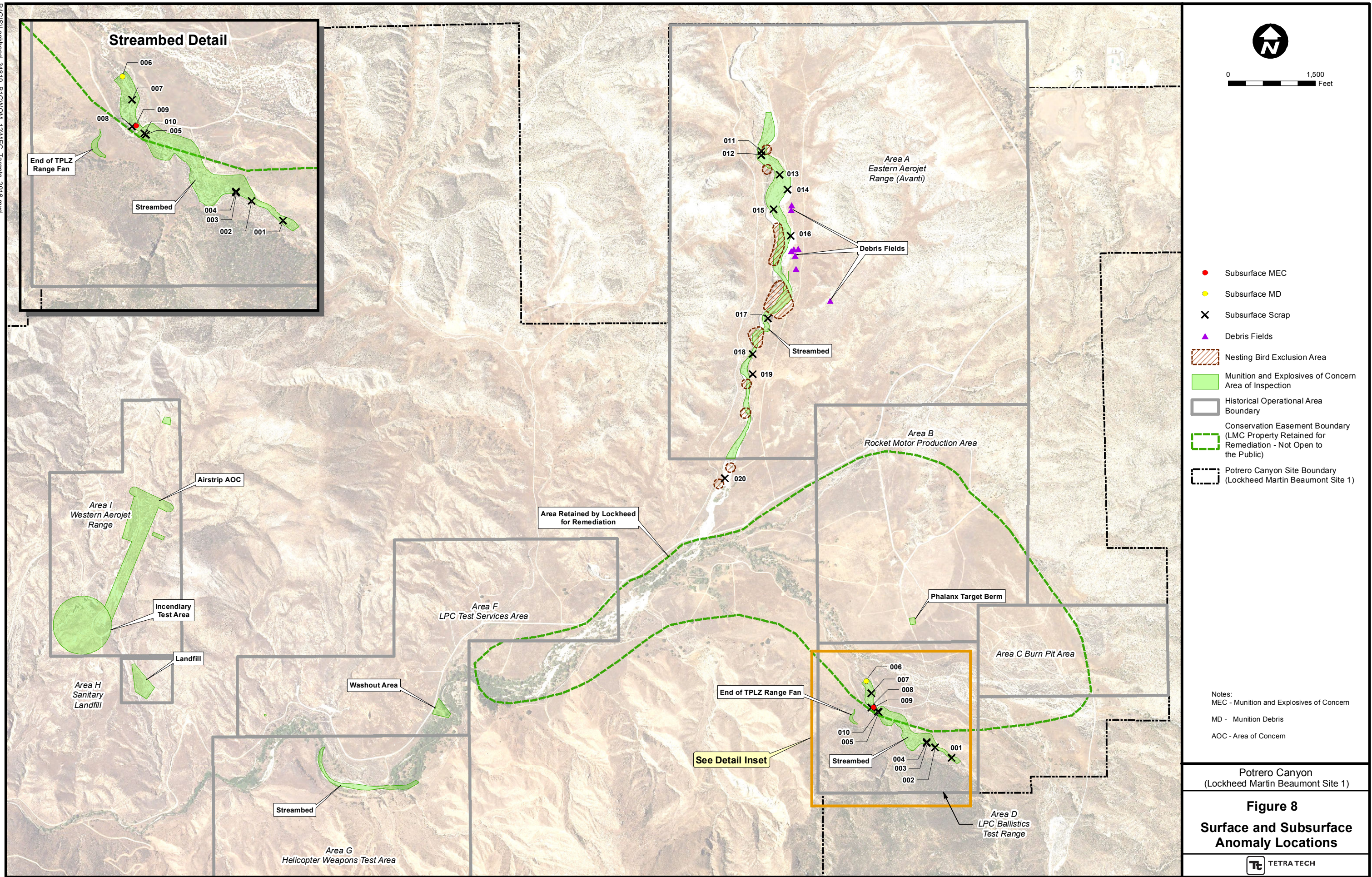
Figure 5
Area D- Area of Inspection

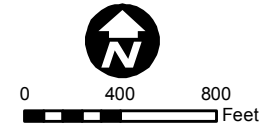
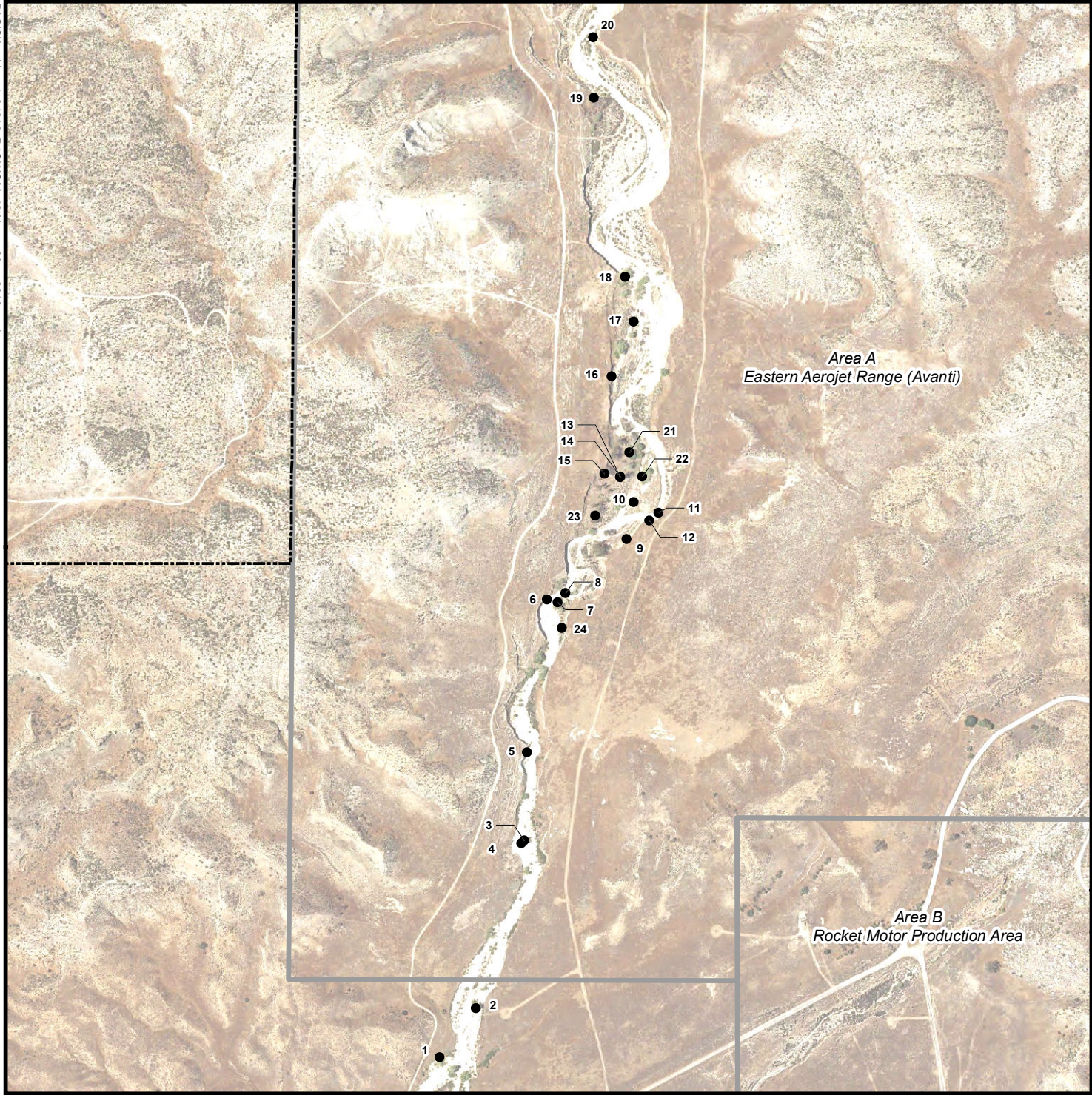






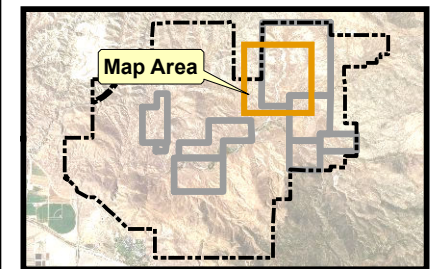
P:\GIS\Lockheed_34819_B1GWOM_12MEC_targets_2016.mxd





- Bird Nest Locations
- Historical Operational Area Boundary
- Potrero Canyon Site Boundary (Lockheed Martin Beaumont Site 1)

Nest ID	Species
1	Mourning Dove
2	Not a Nest - Barn Owl (roost)
3	Red-tailed Hawk
4	Western Kingbird
5	Barn Owl
6	Barn Owl
7	Common Raven
8	Unknown Nest (possibly Western Kingbird)
9	Barn Owl
10	House Finch
11	Barn Owl
12	Northern Rough-winged Swallow
13	Red-tailed Hawk
14	House Finch
15	Western Kingbird
16	Barn Owl
17	Bullock's Oriole
18	Unknown stick nest (possibly Common Raven)
19	Unknown cup nest
20	Barn Owl
21	Phainopepla
22	House finch
23	Bullock's Oriole
24	Barn Owl (potential)



Potrero Canyon
(Lockheed Martin Beaumont Site 1)

Figure 9
Bird Nest Locations
April 2016

Appendix A – Daily Reports

DIG SHEETS

TETRA TECH
DIG SHEET - MANUAL TARGET EXCAVATION RESULTS

Facility/Location: Beaumont Lockheed Site

Site(s): Beaumont California

Location or Anomaly Number (1)	UTM Coordinates	Detection Equip.	Excavation Dimensions (L x W x D) (inches)/(feet)	Number of Dig Locations	Munitions-Related Items				Non-Munitions Items			No Finds
					Number and Description	MEC/ MPPEH/ MDAS	Explosive Weight (lbs)	Disposition Date	Number and Description	Approx. Weight (lbs)	Disposition Date	Anomaly Deeper than '? (Y/N)
001	1150506153 UTM3746017	Vallon	6"x3"x3"	1					Alum Can	.5oz	23 Apr 16	
002	1150506065 UTM3746071	Vallon	3"x3"x2"	1					Scrap Metal	1oz	23 Apr 16	
003	1150500622 UTM3746095	Vallon	12"x6"x4"	1					Alum Can	.5oz	23 Apr 16	
004	1150506021 UTM3746098	Vallon	10"x6"x6"	1					Alum Can	.5oz	23 Apr 16	
005	1150505770 UTM3746257	Vallon	12"x12"x8"	1					Scrap Metal	4oz	23 Apr 16	
006	1150505704 UTM3746419	Vallon	6"x6"x3"	1	4 EA. 20MM TP EXPENDED	MDAS	0	24 Apr 16				
007	1150505731 UTM3746354	Vallon	4"x4"x2"	1					Scrap Metal	2oz	24 Apr 16	
008	1150505731 UTM3746280	Vallon	14"x6"x6"	1					Barb Wire	2oz	24 Apr 16	
009	1150505742 UTM3746281	Vallon	12"x8"x6"	1	1 EA. 2MM TP WITH CART UNFIRED	MEC	585 Grains	24 Apr 16				
010	1150505765 UTM3746260	Vallon	8"x6"x4"	1					Scrap Metal	5oz	24 Apr 16	

TETRA TECH
DIG SHEET - MANUAL TARGET EXCAVATION RESULTS

Facility/Location: Beaumont Lockheed Site

Site(s): Beaumont California

Location or Anomaly Number (1)	UTM Coordinates	Detection Equip.	Excavation Dimensions (L x W x D) (inches)/(feet)	Number of Dig Locations	Munitions-Related Items				Non-Munitions Items			No Finds
					Number and Description	MEC/ MPPEH/ MDAS	Explosive Weight (lbs)	Disposition Date	Number and Description	Approx. Weight (lbs)	Disposition Date	Anomaly Deeper than ____'? (Y/N)
011	1150505156 UTM3749197	Vallon	2"x2"x1"	1					Scrap Metal	.1oz	4/25/16	
012	1150505156 UTM3749176	Vallon	2"x2"x1"	1					Scrap Metal	.2oz	4/25/16	
013	1150505251 UTM3749073	Vallon	3"x6"x2"	1					Scrap Metal	.3oz	4/25/16	
014	1150505292 UTM3748996	Vallon	4"x6"x1"	1					Scrap Metal	.2oz	4/25/16	
015	1150505219 UTM3748893	Vallon	6"x6"x6"	1					Scrap Metal	1oz	4/25/16	
016	1150505308 UTM3748754	Vallon	4"x6"x4"	1					Scrap Metal	1oz	4/25/16	
017	1150505227 UTM3748375	Vallon	3"x8"x2"	1					Scrap Metal	.4oz	4/25/16	
018	1150505110 UTM3748134	Vallon	6"x6"x6"	1					Scrap Metal	.5oz	4/25/16	
019	1150505110 UTM3748028	Vallon	6"x6"x4"	1					Scrap Metal	.2oz	4/25/16	
020	1150504963 UTM3747481	Vallon	3"x3"x2"	1					Scrap Metal	.1oz	4/25/16	

-- = None found or unknown, not applicable.

MEC ACTIVITY LOG



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date: 22 April 16	
PROJECT NO: 112IC07797		TASK CODES: BIGWOM.12	
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Mobilization/Site Preparation: Team mobilized on 4-21-16. Equipment was inventoried and tested.</p> <p>Site Survey: Initial Site Walk of investigation area was performed.</p> <p>GPS Positional Data: N/A</p> <p>Detector Aided Surveys: N/A</p> <p>Intrusive Operation: N/A</p> <p>MEC Management (Treatment): N/A</p> <p>MPPEH Management (Inspections): N/A</p> <p>MPPEH Management (Certification): N/A</p> <p>MPPEH Management (Disposal): N/A</p> <p>Demobilization: N/A</p> <p>Other: Initial site specific brief at Tetra Tech Office.</p>			
LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE			
<u>Item ID</u>	<u>Description</u>	<u>Item ID</u>	<u>Description</u>
NONE			



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: **Beaumont, CA. Lockheed Site**

FIELD ACTIVITY SUBJECT: UXO Survey	Date: 22 April 16
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: 0915 Team meets at the Tetra Tech Div office for project briefing on the sites to include a detailed brief on protected wildlife and the scope of the task. We went over the 2 sites to be surveyed and obtained needed equipment from the Tetra Tech office (i.e. Sat Phone, Medical Kit, Ammo can, shovels, buckets and GPS). We were then given a tour of the 2 sites and the team walked site A to see the areas to avoid due to wildlife concerns. After the tour the team took inventory of our equipment on hand. Detector Aided survey equipment was unpacked, prepared and checked for functionality. Secured equipment in the locked bunker on site and then purchased needed field items. Held team meeting to go over all safety concerns for this site and how the work will flow. We looked over the maps of the site and developed a schedule. On the way back to the hotel we drove by the 2 medical facilities we would use in case of an emergency.	
IMPORTANT PHONE CALLS/DECISIONS: NONE	
FIELD TASK MODIFICATIONS: NONE	
WEATHER CONDITIONS: Sunny with high of 78	
VISITORS ON SITE: NONE	
PERSONNEL ON SITE: See the daily Tailgate Safety Report	
SIGNATURE: Mark Ladd	DATE: 22 April 16



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date: 23 April 16	
PROJECT NO: 112IC07797		TASK CODES: BIGWOM.12	
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Mobilization/Site Preparation: N/A</p> <p>Site Survey: N/A</p> <p>GPS Positional Data: Target anomaly location data was collected using handheld GPS.</p> <p>Detector Aided Surveys: Detector aided surveys were performed in Site D.</p> <p>Intrusive Operation: Intrusive investigations were performed at select target anomalies.</p> <p>MEC Management (Treatment): N/A</p> <p>MPPEH Management (Inspections): N/A</p> <p>MPPEH Management (Certification): N/A</p> <p>MPPEH Management (Disposal): N/A</p> <p>Demobilization: N/A</p> <p>Other: N/A</p>			
LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE			
<u>Item ID</u>	<u>Description</u>	<u>Item ID</u>	<u>Description</u>
NONE			



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: **Beaumont, CA. Lockheed Site**

FIELD ACTIVITY SUBJECT: UXO Survey	Date: 23 April 16
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: Team attended Tailgate Safety meeting at the Bunker then moved to Site D. The team verified functionality of survey equipment. The team reviewed field tasks for the day. The team performed detector aided surface surveys using the Schonstedt and Vallon all metals detector. The team identified 36 target anomalies within the survey area in Site D. After planting the flags, we broke for lunch and then returned to Site D where we held a refresher safety talk and discussed the plan for the afternoon. The team then entered the East half of the site to intrusively investigate 5 target anomaly locations. During the walk the team did a thorough surface investigation of the area and found no ordnance. The day ended with half of area D completed. Cleaned and stowed the equipment and held debrief at the bunker. No munitions or munition related items were recovered.	
IMPORTANT PHONE CALLS/DECISIONS: NONE	
FIELD TASK MODIFICATIONS: NONE	
WEATHER CONDITIONS: Sunny with high of 78	
VISITORS ON SITE: NONE	
PERSONNEL ON SITE: See the daily Tailgate Safety Report	
SIGNATURE:	DATE: 23 April 16



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date: 24 April 16													
PROJECT NO: 112IC07797		TASK CODES: BIGWOM.12													
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Mobilization/Site Preparation: Team mobilized on 4-21-16. Equipment was inventoried and tested.</p> <p>Site Survey: N/A</p> <p>GPS Positional Data: Target anomaly location data collected using handheld GPS.</p> <p>Detector Aided Surveys: Detector aided survey performed at site D.</p> <p>Intrusive Operation: Intrusive investigations were performed at 5 target anomaly locations.</p> <p>MEC Management (Treatment): Recovered MEC item was treated by detonation by the Riverside County Sheriff Department Bomb Squad.</p> <p>MPPEH Management (Inspections): Recovered MPPEH was dual inspected and determined MDAS.</p> <p>MPPEH Management (Certification): Recovered MDAS was certified as free of any explosive hazard.</p> <p>MPPEH Management (Disposal): Custody of MDAS items was turned over to the Riverside County Sheriff Department Bomb Squad.</p> <p>Demobilization: N/A</p> <p>Other: N/A</p>															
<p>LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE</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;">Lockheed-006, 20mm TP (MDAS) 11S0505704 UTM3746419</td></tr><tr><td colspan="4" style="padding-top: 10px;">Lockheed-009, 20mm TP (MEC) 11S0505742 UTM 3746281</td></tr></tbody></table>				Item ID	Description	Item ID	Description	Lockheed-006, 20mm TP (MDAS) 11S0505704 UTM3746419				Lockheed-009, 20mm TP (MEC) 11S0505742 UTM 3746281			
Item ID	Description	Item ID	Description												
Lockheed-006, 20mm TP (MDAS) 11S0505704 UTM3746419															
Lockheed-009, 20mm TP (MEC) 11S0505742 UTM 3746281															



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey	Date: 24 April 16
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: Held Tailgate Safety brief at the Bunker then moved to Site D. Checked out all equipment and reviewed field tasks. The team performed intrusive investigation on 5 identified target anomalies. The team recovered 1 each 20mm Target Practice (TP) round (expended) certified as MDAS. The team also located 1 each 20mm Target Practice (TP) round that was unfired designated as MEC. The appropriate phone notifications were made. The Riverside County Sheriff's Department Hazardous Device Team responded and disposed of the items using M112 explosives initiated with cap and time fuze. The team then resumed work on the site. The day ended with second half of area D completed. Cleaned and stowed the equipment and held debrief at the bunker.	
IMPORTANT PHONE CALLS/DECISIONS: Riverside County Sheriff's Department Hazardous Device Team	
FIELD TASK MODIFICATIONS: NONE	
WEATHER CONDITIONS: Sunny with high of 78	
VISITORS ON SITE: Sergeant Bob Epps, Bomb Tech/Deputy Sheriff Rafael Cuevas, Bomb Tech/Deputy Randy Schneider, Bomb Tech.	
PERSONNEL ON SITE: See the daily Tailgate Safety Report	
SIGNATURE: Mark Ladd	DATE: 24 April 16



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date: 25 April 16	
PROJECT NO: 112IC07797		TASK CODES: BIGWOM.12	
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Mobilization/Site Preparation: N/A</p> <p>Site Survey: N/A</p> <p>GPS Positional Data: Target anomaly location data was collected using handheld GPS.</p> <p>Detector Aided Surveys: Detector aided surveys were performed in Site A.</p> <p>Intrusive Operation: Intrusive investigations were performed at select target anomalies.</p> <p>MEC Management (Treatment): N/A</p> <p>MPPEH Management (Inspections): N/A</p> <p>MPPEH Management (Certification): N/A</p> <p>MPPEH Management (Disposal): N/A</p> <p>Demobilization: N/A</p> <p>Other: N/A</p>			
LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE			
<u>Item ID</u>	<u>Description</u>	<u>Item ID</u>	<u>Description</u>
None			



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG




Facility/Location: **Beaumont, CA. Lockheed Site**

FIELD ACTIVITY SUBJECT: UXO Survey	Date: 25 April 16
<p>DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:</p> <p>The Team attended Tailgate Safety Brief at the Bunker then moved to Site A. The team verified functionality of survey equipment. The team reviewed field tasks for the day. The team performed detector aided surface surveys using the Schonstedt and Vallon all metals detector. The team intrusively investigated 10 target anomalies within area A. No munitions or munition related items were recovered. The team cleaned and stowed the equipment and held a debrief at the bunker. Equipment was prepared for shipment and items were returned to the Tetra Tech office.</p> <p>All activities for this operation have been completed in accordance with the approved planning documents. The team will demobilize on April 26th.</p>	
IMPORTANT PHONE CALLS/DECISIONS: None	
FIELD TASK MODIFICATIONS: NONE	
WEATHER CONDITIONS: Sunny with high of 78	
VISITORS ON SITE: None	
PERSONNEL ON SITE: See the daily Tailgate Safety Report	
SIGNATURE:	DATE: 25 April 16

QC REPORT




Facility/Location: Beaumont, CA

Site(s): Lockheed Site

	DAILY QUALITY CONTROL REPORT	
Project Name: <u>UXO Survey</u> Report No: <u>001</u>		
Project No: <u>112IC07797</u> Location: <u>Lockheed Site Banning</u> Date: <u>22 Apr 16</u>		
I. Personnel Present (Reference/attach SUXOS's daily report if applicable): See Daily Tailgate Safety Form		
II. Definable Feature of Work (see Quality Control Plan and revise list as needed)		
<input checked="" type="checkbox"/> Mob/Site Preparation <input checked="" type="checkbox"/> Site Survey <input checked="" type="checkbox"/> GPS Positional Data <input checked="" type="checkbox"/> Detector Aided Survey <input type="checkbox"/> Intrusive Investigation <input type="checkbox"/> MEC/MPPEH Managment	<input type="checkbox"/> Demobilization <input type="checkbox"/> Other: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III. Quality Control Activities (Include Daily QC activities and results and reference/attach inspection/surveillance reports):		
Observed the team perform equipment checks using a Blanket Test. Observed the team using proper techniques during surface investigation with the Vallon and Schonstedt.		
IV. GSV Seed Items		
Seed Placement (Seed ID, Coordinates, and digital photo #)		Seed Recovered (Seed ID and Coordinates)
1. NA 2. 3.		1.NA 2. 3.
V. Problems Encountered / Corrective Actions Taken		
None		
VI. Directions Given / Received:		
None		
VII. Special Notes / Lessons Learned		
None		
VIII. Visitors:		
<input type="checkbox"/> Yes (see Visitor's Log/Daily Activity Log) <input checked="" type="checkbox"/> No		
IX. Approval		
Name and Signature: Mark Ladd	Title/Company: Tetra Tech QC/Safety	Date: 22 Apr 16
 		Revised March 2011




Facility/Location: Beaumont, CA

Site(s): Lockheed Site

		DAILY QUALITY CONTROL REPORT	
Project Name: UXO Survey		Report No: 002	
Project No: 112IC07797	Location: Lockheed Site Banning	Date: 23 Apr 16	
I. Personnel Present (Reference/attach SUXOS's daily report if applicable): See Daily Tailgate Safety Form			
II. Definable Feature of Work (see Quality Control Plan and revise list as needed)			
<input type="checkbox"/> Mob/Site Preparation <input type="checkbox"/> Site Survey <input checked="" type="checkbox"/> GPS Positional Data <input checked="" type="checkbox"/> Detector Aided Survey <input checked="" type="checkbox"/> Intrusive Investigation <input type="checkbox"/> MEC/MPPEH Management	<input type="checkbox"/> Demobilization <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other::		
III. Quality Control Activities (Include Daily QC activities and results and reference/attach inspection/surveillance reports):			
<p>Observed the team perform equipment checks using a Blanket Test. Observed the team using proper techniques during surface investigation with the Vallon and Schonstedt. Performed QC inspection of anomaly locations to ensure completeness of removal. No discrepancies noted.</p>			
IV. GSV Seed Items			
Seed Placement (Seed ID, Coordinates, and digital photo #)		Seed Recovered (Seed ID and Coordinates)	
1. NA		1.NA	
2.		2.	
3.		3.	
V. Problems Encountered / Corrective Actions Taken			
None			
VI. Directions Given / Received:			
None			
VII. Special Notes / Lessons Learned			
None			
VIII. Visitors:			
<input type="checkbox"/> Yes (see Visitor's Log/Daily Activity Log) <input checked="" type="checkbox"/> No			
IX. Approval			
Name and Signature: Mark Ladd		Title/Company: Tetra Tech QC/Safety	Date: 23 Apr 16
			
Revised March 2011			

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

	DAILY QUALITY CONTROL REPORT	
Project Name: UXO Survey		Report No: 003
Project No: 112IC07797	Location: Lockheed Site Banning	Date: 24 Apr 16
I. Personnel Present (Reference/attach SUXOS's daily report if applicable): See Daily Tailgate Safety Form		
II. Definable Feature of Work (see Quality Control Plan and revise list as needed)		
<input type="checkbox"/> Mob/Site Preparation <input type="checkbox"/> Site Survey <input checked="" type="checkbox"/> GPS Positional Data <input checked="" type="checkbox"/> Detector Aided Survey <input checked="" type="checkbox"/> Intrusive Investigation <input checked="" type="checkbox"/> MEC/MPPEH Managment	<input type="checkbox"/> Demobilization <input type="checkbox"/> Other: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III. Quality Control Activities (Include Daily QC activities and results and reference/attach inspection/surveillance reports):		
Observed the team perform equipment checks using a Blanket Test. Observed the team using proper techniques during detector aided surveys and investigation with the Vallon and Schonstedt. Recovered MDAS items were dual inspected and MDAS. No discrepancies were noted.		
IV. GSV Seed Items		
Seed Placement (Seed ID, Coordinates, and digital photo #)		Seed Recovered (Seed ID and Coordinates)
1. NA		1.NA
2.		2.
3.		3.
V. Problems Encountered / Corrective Actions Taken		
None		
VI. Directions Given / Received:		
None		
VII. Special Notes / Lessons Learned		
None		
VIII. Visitors:		
<input type="checkbox"/> Yes (see Visitor's Log/Daily Activity Log) <input checked="" type="checkbox"/> No		
IX. Approval		
Name and Signature: Mark Ladd		Title/Company: Tetra Tech QC/Safety
		Date: 24 Apr 16
 		Revised March 2011

Facility/Location: Beaumont, CA

Site(s): Lockheed Site



DAILY QUALITY CONTROL REPORT

Project Name: UXO Survey Report No: 004

Project No: 112IC07797 Location: Lockheed Site Banning Date: 25 Apr 16

I. Personnel Present (Reference/attach SUXOS's daily report if applicable): **See Daily Tailgate Safety Form**

II. Definable Feature of Work (see Quality Control Plan and revise list as needed)

- | | | |
|---|--|----------------------------------|
| <input type="checkbox"/> Mob/Site Preparation | <input checked="" type="checkbox"/> Demobilization | <input type="checkbox"/> |
| <input type="checkbox"/> Site Survey | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> GPS Positional Data | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Detector Aided Survey | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Intrusive Investigation | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> MEC/MPPEH Management | <input type="checkbox"/> | <input type="checkbox"/> Other:: |

III. Quality Control Activities (Include Daily QC activities and results and reference/attach inspection/surveillance reports):

Observed the team perform equipment checks using a Blanket Test. Observed the team using proper techniques during surface investigation with the Vallon and Schonstedt. Performed QC of intrusively investigated anomaly locations. No discrepancies noted.

All activities for this operation have been completed in accordance with the approved planning documents.

IV. GSV Seed Items

Seed Placement (Seed ID, Coordinates, and digital photo #)	Seed Recovered (Seed ID and Coordinates)
1. NA	1. NA
2.	2.
3.	3.

V. Problems Encountered / Corrective Actions Taken

None

VI. Directions Given / Received:

None

VII. Special Notes / Lessons Learned

None

VIII. Visitors:

☐ Yes (see Visitor's Log/Daily Activity Log) ☒ No

IX. Approval

Name and Signature: Mark Ladd

Title/Company: Tetra Tech QC/Safety

Date: 25 Apr 16



Revised March 2011

HEALTH AND SAFETY LOGS

**TETRA TECH**

MRP FF.22

DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD

Facility/Location: Beaumont, Ca. Lockheed Site

1. Briefing(s) Given By:	Name MARK LADD	Signature 	Position SAFETY/QC OFFICER
Date: 22 Apr 16	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.): Construction Support			
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 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: NONE Added training on Snake Bite First Aid.			
6. Personnel Attending			
Name	Signature		Position
Steve Kosier			Tech III
Forrest Malone			TECH II
Shaun Woods			TECH II
PETER JIMENEZ			BIOLOGIST II



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date	22 April 2016
PROJECT NO.: 112IC07797		TASK CODES: BIGWOM.12	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Held the Tailgate Safety Brief on the Lockheed site bunker. Observed the team wearing all required PPE. The team used good safe work practices during the site walk with no issues to report.			
VISITORS ON SITE (indicate if received Site-Specific Training): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: (temp, wind, humidity, precipitation) Today was sunny with temp ranging from 45 to 75 degrees		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Brief			
SIGNATURE: Mark Ladd		DATE: 22 April 2016	



TETRA TECH

MRP FF.22

DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD

Facility/Location: Beaumont, Ca. Lockheed Site

1. Briefing(s) Given By:	Name MARK LADD	Signature 	Position SAFETY/QC OFFICER
Date: 23 Apr 16	Time: 0700	Team #: N/A	
2. Reason for Briefing:			
<input 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.): Construction Support			
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 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: None Repeated info on snake hazard and discussed wild cats. Reminded everyone about kangaroo rats.			
6. Personnel Attending			
Name	Signature		Position
Steve Kosier			Tech III
Forrest Malone			TECH II
Shaun Woods			TECH II

PETER JIMENEZ

BIOLOGIST II



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date	23 April 2016
PROJECT NO.: 112IC07797		TASK CODES: BIGWOM.12	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Held the Tailgate Safety Brief on the Lockheed site bunker. Observed the team wearing all required PPE. Observed the field team hydrating and wearing sunscreen. The team used good safe work practices during the survey and there were no issues to report.			
VISITORS ON SITE (indicate if received Site-Specific Training): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: (temp, wind, humidity, precipitation) Today was sunny with temp ranging from 49 to 75 degrees		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Brief			
SIGNATURE: Mark Ladd		DATE: 23 April 2016	



MRP FF.22

DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD

Facility/Location: Beaumont, Ca. Lockheed Site

	Name	Signature	Position
1. Briefing(s) Given By:	MARK LADD		SAFETY/QC OFFICER
Date: 24 Apr 16	Time: 0700	Team #: N/A	
2. Reason for Briefing:			
<input type="checkbox"/> Initial Safety Briefing		<input type="checkbox"/> New Site Procedure: _____	
XXX Daily Safety Briefing		<input type="checkbox"/> New Site Information: _____	
<input type="checkbox"/> New Task Briefing: _____		<input type="checkbox"/> Review of Site Information	
<input type="checkbox"/> Periodic Safety Meeting		<input type="checkbox"/> Other: (Specify) _____	
3. List Today's Project Tasks (reference definable features of work – See Worksheet 12.): Construction Support			
4. Safety Topics: (Check All That Apply – per AHA or Work Permit)			
<input checked="" type="checkbox"/> Site Safety Personnel		<input type="checkbox"/> Decontamination Procedures	
<input checked="" type="checkbox"/> Site/Work Area Description		<input checked="" type="checkbox"/> Emergency Response/Equipment	
<input checked="" type="checkbox"/> Physical Hazards		<input type="checkbox"/> On-Site Injuries/Illness	
<input type="checkbox"/> Chemical/Biological Hazards		<input type="checkbox"/> Reporting Procedures	
<input checked="" type="checkbox"/> Heat/Cold Stress		<input checked="" type="checkbox"/> Directions to Medical Facility	
<input type="checkbox"/> Work/Support Zones		<input type="checkbox"/> Drug and Alcohol Policies	
<input checked="" type="checkbox"/> PPE		<input type="checkbox"/> Medical Monitoring	
<input checked="" type="checkbox"/> Safe Work Practices		<input checked="" type="checkbox"/> Evacuation/Egress Procedures	
<input type="checkbox"/> Air Monitoring		<input checked="" type="checkbox"/> Communications	
<input type="checkbox"/> Task Training		<input type="checkbox"/> Confined Spaces	
<input type="checkbox"/> OE Precautions		<input type="checkbox"/> Other: _____	
5. Remarks: NONE			
6. Personnel Attending			
Name	Signature		Position
Steve Kosier			Tech III
Forrest Malone			TECH II
Shaun Woods			TECH II



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date	24 April 2016
PROJECT NO.: 112IC07797		TASK CODES: BIGWOM.12	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Held the Tailgate Safety Brief on the Lockheed site bunker. Items included were proper UXO digging procedures, route to hospital, and environmental hazards and situational awareness. Observed the team wearing all required PPE. The team used good safe work practices during the survey and there were no issues to report.			
VISITORS ON SITE (indicate if received Site-Specific Training): Gave site safety brief to the Riverside County Sheriff's Office personnel, Bob Epps, Randy Schneider, Rafael Cuevas.			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: (temp, wind, humidity, precipitation) Today was sunny with temp ranging from 48 to 78 degrees		IMPORTANT TELEPHONE CALLS: Riverside Sheriff's Office for Treatment of MEC and MDAS items	
PERSONNEL ON SITE: See Tailgate Safety Brief			
SIGNATURE: Mark Ladd		DATE: 24 April 2016	

**TETRA TECH**

MRP FF.22

DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD

Facility/Location: Beaumont, Ca. Lockheed Site

1. Briefing(s) Given By:	Name	Signature	Position
	MARK LADD		SAFETY/QC OFFICER
Date: 4/25/16	Time: 0700	Team #: N/A	
2. Reason for Briefing:			
<input type="checkbox"/> Initial Safety Briefing XXX 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.): Construction Support			
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 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: NONE			
6. Personnel Attending			
Name	Signature	Position	
Steve Kosier		Tech III	
Forrest Malone		TECH II	
Shaun Woods		TECH II	
PETER JIMENEZ		BIOLOGIST II	



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date	25 April 2016
PROJECT NO.: 112IC07797		TASK CODES: BIGWOM.12	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Held the Tailgate Safety Brief on the Lockheed site bunker. Observed the team wearing all required PPE. The team used good safe work practices during the survey. Held added safety discussion on canyon wall landslides. There were no issues to report.			
VISITORS ON SITE (indicate if received Site-Specific Training): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: (temp, wind, humidity, precipitation) Today was sunny with temp ranging from 48 to 78 degrees		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Brief			
SIGNATURE: Mark Ladd		DATE: 25 April 2016	

Appendix B –Photographic Log

Photo: 1

Description:
Survey work in Area D



Photo: 2

Description:
Digging subsurface
anomaly after Stephens'
kangaroo rats clearance
in Area D



Photo: 3

Description:
Scrap metal unearthed
in Area D



Photo: 4

Description:
Scrap Metal – Area D



Photo: 5

Description:
Scrap Metal – Area D



Photo: 6

Description:
Scrap Metal – Area D



Photo: 7

Description:

Scrap Metal – Area D



Photo: 8

Description:

Scrap Metal – Area D



Photo: 9

Description:

20mm target practice
projectile – Area D

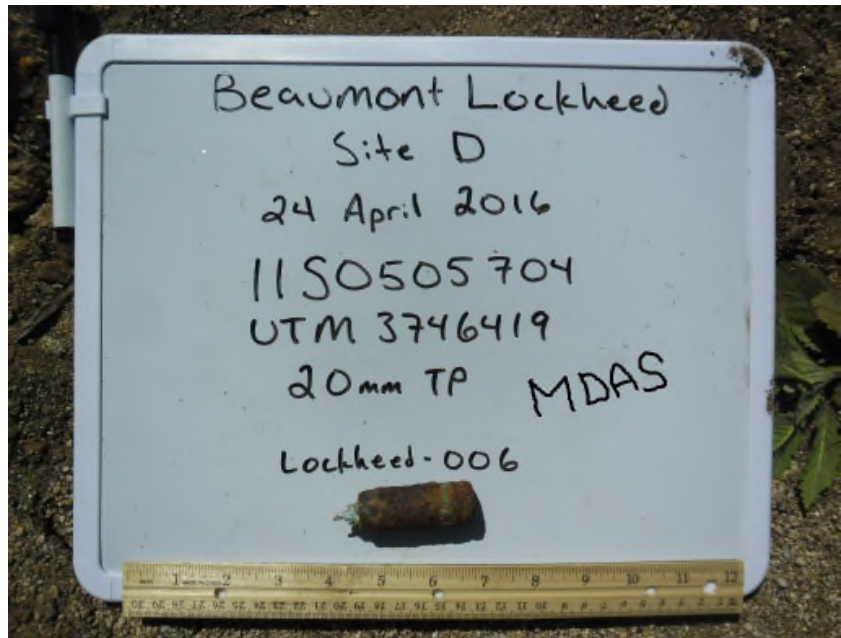


Photo: 10

Description:

Scrap Metal – Area D



Photo: 11

Description:

Scrap Metal – Area D



Photo: 12

Description:

Unfired 20mm TP
cartridge



Photo: 13

Description:

Scrap Metal – Area D



Photo: 14

Description:

Scrap Metal – Area A

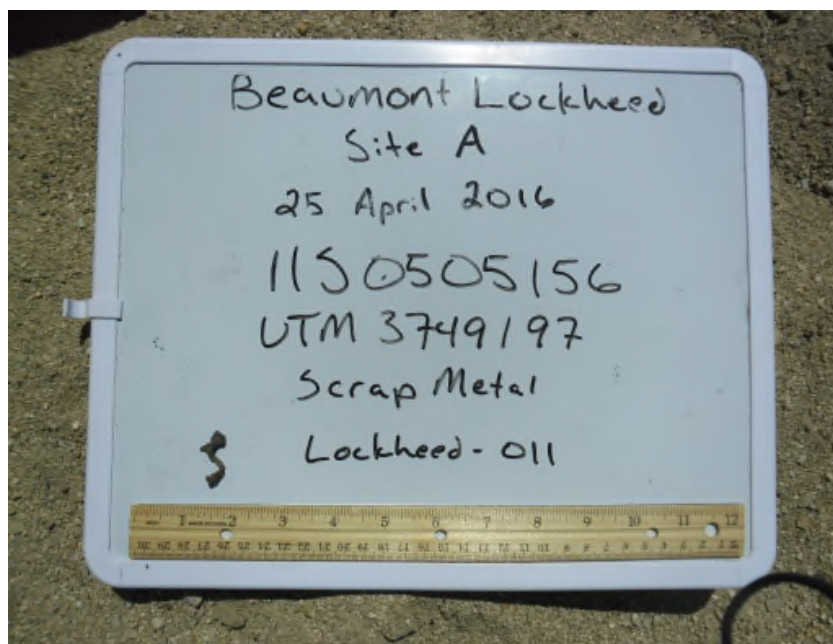


Photo: 15

Description:

Scrap Metal – Area A



Photo: 16

Description:

Scrap Metal – Area A

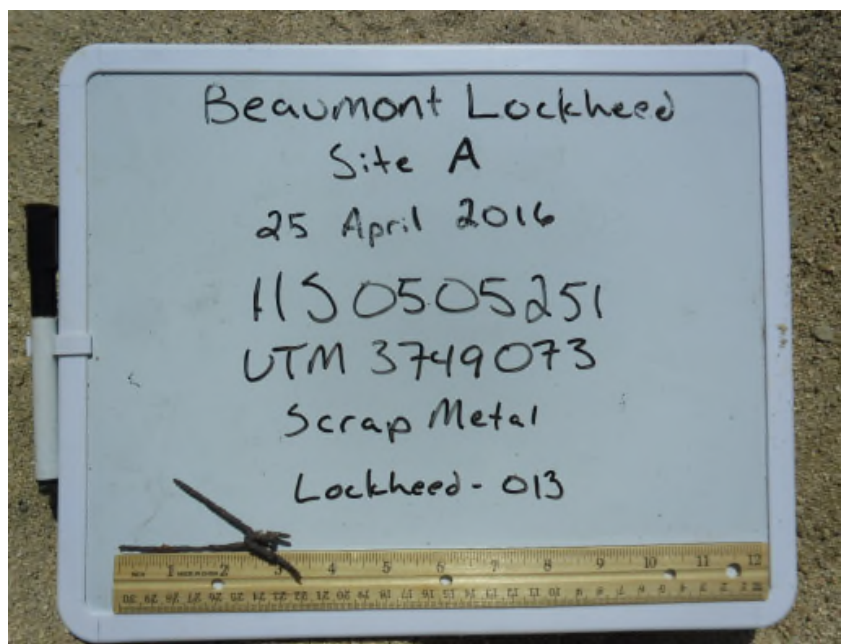


Photo: 17

Description:

Scrap Metal – Area A

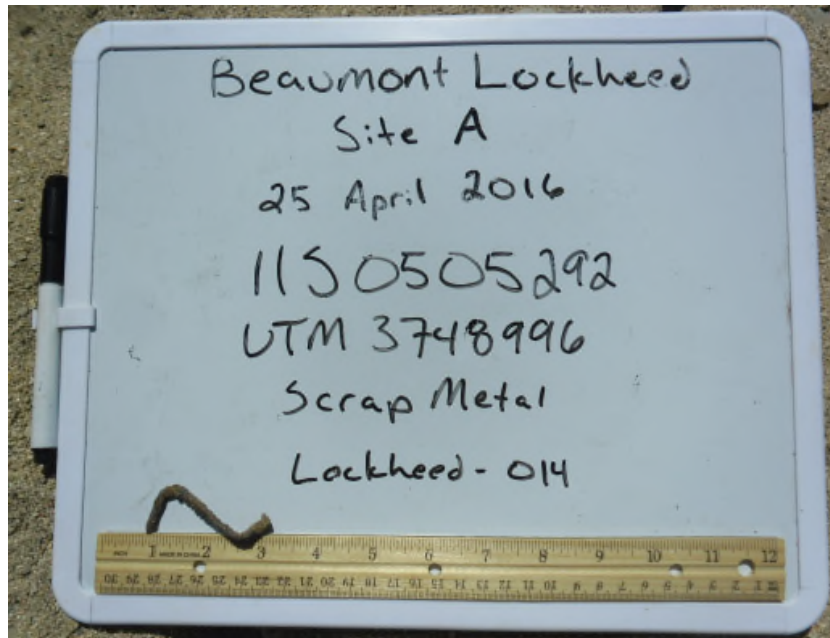


Photo: 18

Description:

Scrap Metal – Area A

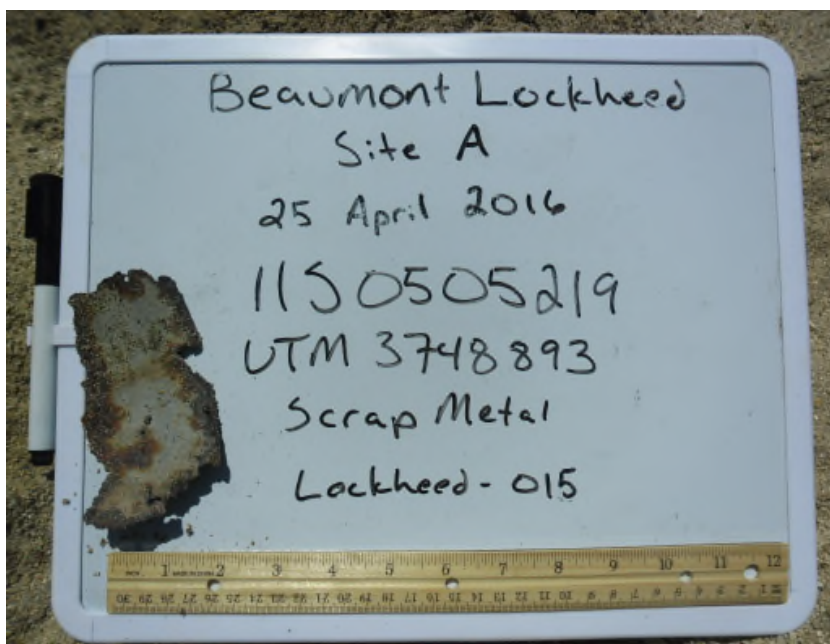


Photo: 19

Description:

Scrap Metal – Area A

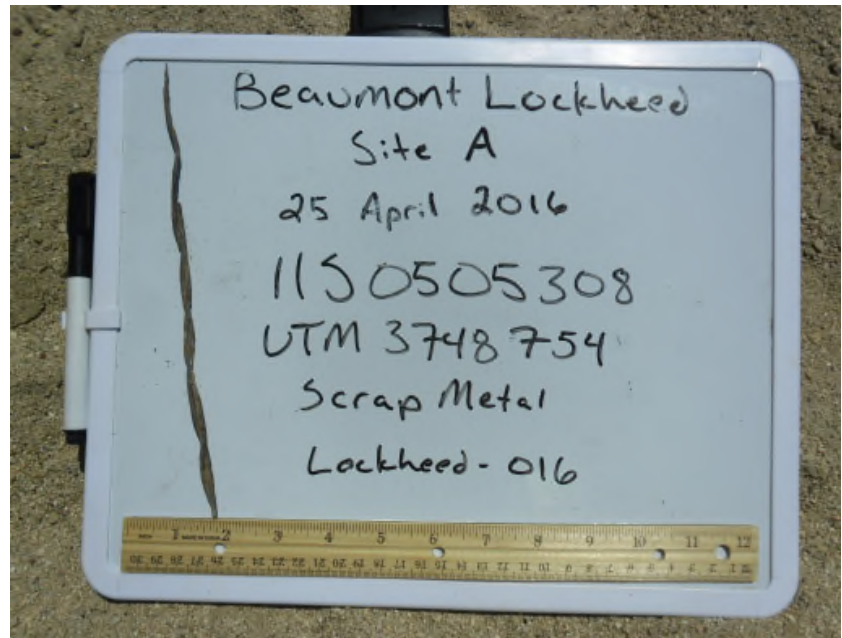


Photo:20

Description:

Scrap Metal – Area A

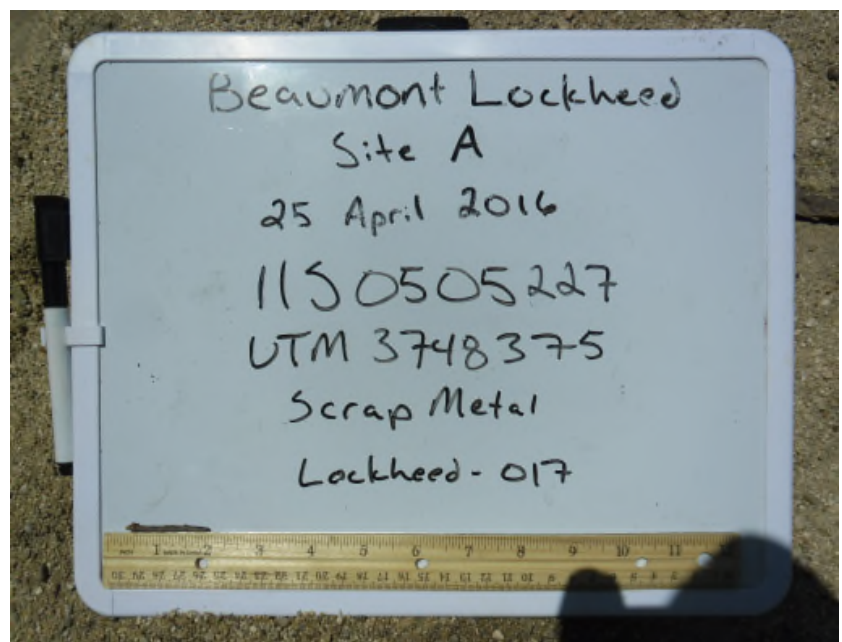


Photo: 21

Description:

Scrap Metal – Area A

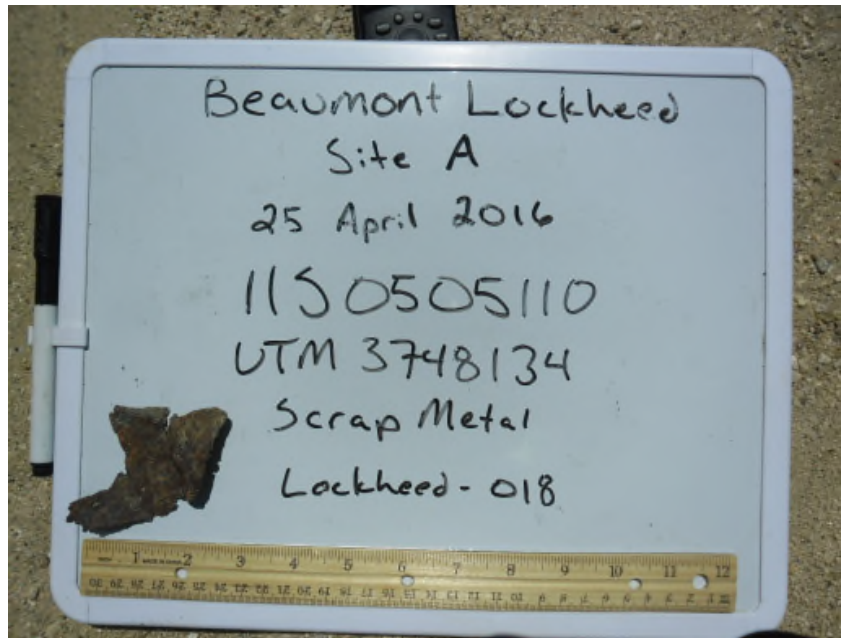


Photo: 22

Description:

Scrap Metal – Area A

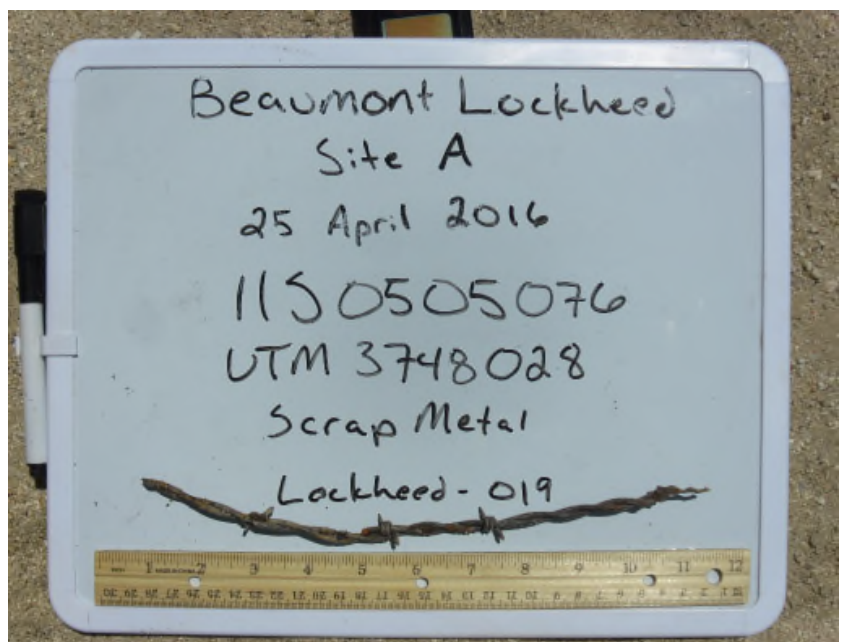


Photo: 23

Description:
Scrap Metal – Area A

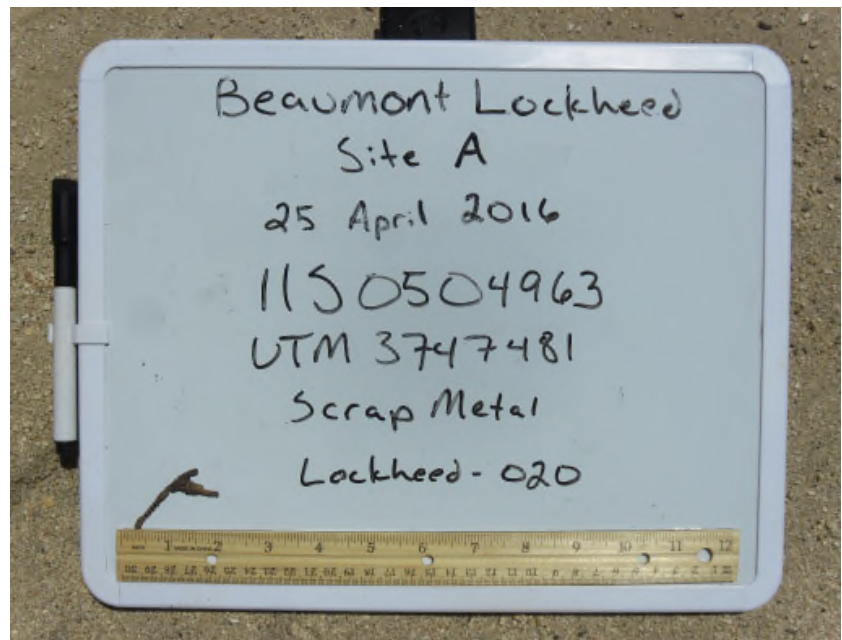


Photo: 25

Description:
Barn owl chicks



Photo: 26

Description:
Mourning dove nest



APPENDIX A – DAILY REPORTS

DIG SHEETS

TETRA TECH
DIG SHEET - MANUAL TARGET EXCAVATION RESULTS

Facility/Location: Beaumont Lockheed Site

Site(s): Beaumont California

Location or Anomaly Number (1)	UTM Coordinates	Detection Equip.	Excavation Dimensions (L x W x D) (inches)/(feet)	Number of Dig Locations	Munitions-Related Items				Non-Munitions Items			No Finds
					Number and Description	MEC/ MPPEH/ MDAS	Explosive Weight (lbs)	Disposition Date	Number and Description	Approx. Weight (lbs)	Disposition Date	Anomaly Deeper than '? (Y/N)
001	1150506153 UTM3746017	Vallon	6"x3"x3"	1					Alum Can	.5oz	23 Apr 16	
002	1150506065 UTM3746071	Vallon	3"x3"x2"	1					Scrap Metal	1oz	23 Apr 16	
003	1150500622 UTM3746095	Vallon	12"x6"x4"	1					Alum Can	.5oz	23 Apr 16	
004	1150506021 UTM3746098	Vallon	10"x6"x6"	1					Alum Can	.5oz	23 Apr 16	
005	1150505770 UTM3746257	Vallon	12"x12"x8"	1					Scrap Metal	4oz	23 Apr 16	
006	1150505704 UTM3746419	Vallon	6"x6"x3"	1	4 EA. 20MM TP EXPENDED	MDAS	0	24 Apr 16				
007	1150505731 UTM3746354	Vallon	4"x4"x2"	1					Scrap Metal	2oz	24 Apr 16	
008	1150505731 UTM3746280	Vallon	14"x6"x6"	1					Barb Wire	2oz	24 Apr 16	
009	1150505742 UTM3746281	Vallon	12"x8"x6"	1	1 EA. 2MM TP WITH CART UNFIRED	MEC	585 Grains	24 Apr 16				
010	1150505765 UTM3746260	Vallon	8"x6"x4"	1					Scrap Metal	5oz	24 Apr 16	

TETRA TECH
DIG SHEET - MANUAL TARGET EXCAVATION RESULTS

Facility/Location: Beaumont Lockheed Site

Site(s): Beaumont California

Location or Anomaly Number (1)	UTM Coordinates	Detection Equip.	Excavation Dimensions (L x W x D) (inches)/(feet)	Number of Dig Locations	Munitions-Related Items				Non-Munitions Items			No Finds
					Number and Description	MEC/ MPPEH/ MDAS	Explosive Weight (lbs)	Disposition Date	Number and Description	Approx. Weight (lbs)	Disposition Date	Anomaly Deeper than ____'? (Y/N)
011	1150505156 UTM3749197	Vallon	2"x2"x1"	1					Scrap Metal	.1oz	4/25/16	
012	1150505156 UTM3749176	Vallon	2"x2"x1"	1					Scrap Metal	.2oz	4/25/16	
013	1150505251 UTM3749073	Vallon	3"x6"x2"	1					Scrap Metal	.3oz	4/25/16	
014	1150505292 UTM3748996	Vallon	4"x6"x1"	1					Scrap Metal	.2oz	4/25/16	
015	1150505219 UTM3748893	Vallon	6"x6"x6"	1					Scrap Metal	1oz	4/25/16	
016	1150505308 UTM3748754	Vallon	4"x6"x4"	1					Scrap Metal	1oz	4/25/16	
017	1150505227 UTM3748375	Vallon	3"x8"x2"	1					Scrap Metal	.4oz	4/25/16	
018	1150505110 UTM3748134	Vallon	6"x6"x6"	1					Scrap Metal	.5oz	4/25/16	
019	1150505110 UTM3748028	Vallon	6"x6"x4"	1					Scrap Metal	.2oz	4/25/16	
020	1150504963 UTM3747481	Vallon	3"x3"x2"	1					Scrap Metal	.1oz	4/25/16	

-- = None found or unknown, not applicable.

MEC ACTIVITY LOG



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date: 22 April 16	
PROJECT NO: 112IC07797		TASK CODES: BIGWOM.12	
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Mobilization/Site Preparation: Team mobilized on 4-21-16. Equipment was inventoried and tested.</p> <p>Site Survey: Initial Site Walk of investigation area was performed.</p> <p>GPS Positional Data: N/A</p> <p>Detector Aided Surveys: N/A</p> <p>Intrusive Operation: N/A</p> <p>MEC Management (Treatment): N/A</p> <p>MPPEH Management (Inspections): N/A</p> <p>MPPEH Management (Certification): N/A</p> <p>MPPEH Management (Disposal): N/A</p> <p>Demobilization: N/A</p> <p>Other: Initial site specific brief at Tetra Tech Office.</p>			
LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE			
<u>Item ID</u>	<u>Description</u>	<u>Item ID</u>	<u>Description</u>
NONE			



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: **Beaumont, CA. Lockheed Site**

FIELD ACTIVITY SUBJECT: UXO Survey	Date: 22 April 16
<p>DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:</p> <p>0915 Team meets at the Tetra Tech Div office for project briefing on the sites to include a detailed brief on protected wildlife and the scope of the task. We went over the 2 sites to be surveyed and obtained needed equipment from the Tetra Tech office (i.e. Sat Phone, Medical Kit, Ammo can, shovels, buckets and GPS). We were then given a tour of the 2 sites and the team walked site A to see the areas to avoid due to wildlife concerns. After the tour the team took inventory of our equipment on hand. Detector Aided survey equipment was unpacked, prepared and checked for functionality. Secured equipment in the locked bunker on site and then purchased needed field items. Held team meeting to go over all safety concerns for this site and how the work will flow. We looked over the maps of the site and developed a schedule. On the way back to the hotel we drove by the 2 medical facilities we would use in case of an emergency.</p>	
IMPORTANT PHONE CALLS/DECISIONS: NONE	
FIELD TASK MODIFICATIONS: NONE	
WEATHER CONDITIONS: Sunny with high of 78	
VISITORS ON SITE: NONE	
PERSONNEL ON SITE: See the daily Tailgate Safety Report	
SIGNATURE: Mark Ladd	DATE: 22 April 16



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date: 23 April 16	
PROJECT NO: 112IC07797		TASK CODES: BIGWOM.12	
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Mobilization/Site Preparation: N/A</p> <p>Site Survey: N/A</p> <p>GPS Positional Data: Target anomaly location data was collected using handheld GPS.</p> <p>Detector Aided Surveys: Detector aided surveys were performed in Site D.</p> <p>Intrusive Operation: Intrusive investigations were performed at select target anomalies.</p> <p>MEC Management (Treatment): N/A</p> <p>MPPEH Management (Inspections): N/A</p> <p>MPPEH Management (Certification): N/A</p> <p>MPPEH Management (Disposal): N/A</p> <p>Demobilization: N/A</p> <p>Other: N/A</p>			
LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE			
<u>Item ID</u>	<u>Description</u>	<u>Item ID</u>	<u>Description</u>
NONE			



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: **Beaumont, CA. Lockheed Site**

FIELD ACTIVITY SUBJECT: UXO Survey	Date: 23 April 16
<p>DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:</p> <p>Team attended Tailgate Safety meeting at the Bunker then moved to Site D. The team verified functionality of survey equipment. The team reviewed field tasks for the day. The team performed detector aided surface surveys using the Schonstedt and Vallon all metals detector. The team identified 36 target anomalies within the survey area in Site D. After planting the flags, we broke for lunch and then returned to Site D where we held a refresher safety talk and discussed the plan for the afternoon. The team then entered the East half of the site to intrusively investigate 5 target anomaly locations. During the walk the team did a thorough surface investigation of the area and found no ordnance. The day ended with half of area D completed. Cleaned and stowed the equipment and held debrief at the bunker. No munitions or munition related items were recovered.</p>	
IMPORTANT PHONE CALLS/DECISIONS: NONE	
FIELD TASK MODIFICATIONS: NONE	
WEATHER CONDITIONS: Sunny with high of 78	
VISITORS ON SITE: NONE	
PERSONNEL ON SITE: See the daily Tailgate Safety Report	
SIGNATURE:	DATE: 23 April 16



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date: 24 April 16													
PROJECT NO: 112IC07797		TASK CODES: BIGWOM.12													
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Mobilization/Site Preparation: Team mobilized on 4-21-16. Equipment was inventoried and tested.</p> <p>Site Survey: N/A</p> <p>GPS Positional Data: Target anomaly location data collected using handheld GPS.</p> <p>Detector Aided Surveys: Detector aided survey performed at site D.</p> <p>Intrusive Operation: Intrusive investigations were performed at 5 target anomaly locations.</p> <p>MEC Management (Treatment): Recovered MEC item was treated by detonation by the Riverside County Sheriff Department Bomb Squad.</p> <p>MPPEH Management (Inspections): Recovered MPPEH was dual inspected and determined MDAS.</p> <p>MPPEH Management (Certification): Recovered MDAS was certified as free of any explosive hazard.</p> <p>MPPEH Management (Disposal): Custody of MDAS items was turned over to the Riverside County Sheriff Department Bomb Squad.</p> <p>Demobilization: N/A</p> <p>Other: N/A</p>															
<p>LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE</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;">Lockheed-006, 20mm TP (MDAS) 11S0505704 UTM3746419</td></tr><tr><td colspan="4" style="padding-top: 10px;">Lockheed-009, 20mm TP (MEC) 11S0505742 UTM 3746281</td></tr></tbody></table>				Item ID	Description	Item ID	Description	Lockheed-006, 20mm TP (MDAS) 11S0505704 UTM3746419				Lockheed-009, 20mm TP (MEC) 11S0505742 UTM 3746281			
Item ID	Description	Item ID	Description												
Lockheed-006, 20mm TP (MDAS) 11S0505704 UTM3746419															
Lockheed-009, 20mm TP (MEC) 11S0505742 UTM 3746281															



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey	Date: 24 April 16
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS: Held Tailgate Safety brief at the Bunker then moved to Site D. Checked out all equipment and reviewed field tasks. The team performed intrusive investigation on 5 identified target anomalies. The team recovered 1 each 20mm Target Practice (TP) round (expended) certified as MDAS. The team also located 1 each 20mm Target Practice (TP) round that was unfired designated as MEC. The appropriate phone notifications were made. The Riverside County Sheriff's Department Hazardous Device Team responded and disposed of the items using M112 explosives initiated with cap and time fuze. The team then resumed work on the site. The day ended with second half of area D completed. Cleaned and stowed the equipment and held debrief at the bunker.	
IMPORTANT PHONE CALLS/DECISIONS: Riverside County Sheriff's Department Hazardous Device Team	
FIELD TASK MODIFICATIONS: NONE	
WEATHER CONDITIONS: Sunny with high of 78	
VISITORS ON SITE: Sergeant Bob Epps, Bomb Tech/Deputy Sheriff Rafael Cuevas, Bomb Tech/Deputy Randy Schneider, Bomb Tech.	
PERSONNEL ON SITE: See the daily Tailgate Safety Report	
SIGNATURE: Mark Ladd	DATE: 24 April 16



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: Beaumont, CA. Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date: 25 April 16	
PROJECT NO: 112IC07797		TASK CODES: BIGWOM.12	
<p>SUMMARY OF DAILY PROGRESS: (Update Definable Feature of Work - Worksheet 12)</p> <p>Mobilization/Site Preparation: N/A</p> <p>Site Survey: N/A</p> <p>GPS Positional Data: Target anomaly location data was collected using handheld GPS.</p> <p>Detector Aided Surveys: Detector aided surveys were performed in Site A.</p> <p>Intrusive Operation: Intrusive investigations were performed at select target anomalies.</p> <p>MEC Management (Treatment): N/A</p> <p>MPPEH Management (Inspections): N/A</p> <p>MPPEH Management (Certification): N/A</p> <p>MPPEH Management (Disposal): N/A</p> <p>Demobilization: N/A</p> <p>Other: N/A</p>			
LIST OF MEC ITEMS ID, MPPEH ITEM ID, MDAS, OR NONE			
<u>Item ID</u>	<u>Description</u>	<u>Item ID</u>	<u>Description</u>
None			



TETRA TECH
MRP FF.2
DAILY MEC ACTIVITY LOG

Facility/Location: **Beaumont, CA. Lockheed Site**

FIELD ACTIVITY SUBJECT: UXO Survey	Date: 25 April 16
<p>DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:</p> <p>The Team attended Tailgate Safety Brief at the Bunker then moved to Site A. The team verified functionality of survey equipment. The team reviewed field tasks for the day. The team performed detector aided surface surveys using the Schonstedt and Vallon all metals detector. The team intrusively investigated 10 target anomalies within area A. No munitions or munition related items were recovered. The team cleaned and stowed the equipment and held a debrief at the bunker. Equipment was prepared for shipment and items were returned to the Tetra Tech office.</p> <p>All activities for this operation have been completed in accordance with the approved planning documents. The team will demobilize on April 26th.</p>	
IMPORTANT PHONE CALLS/DECISIONS: None	
FIELD TASK MODIFICATIONS: NONE	
WEATHER CONDITIONS: Sunny with high of 78	
VISITORS ON SITE: None	
PERSONNEL ON SITE: See the daily Tailgate Safety Report	
SIGNATURE:	DATE: 25 April 16

QC REPORT

Facility/Location: Beaumont, CA

Site(s): Lockheed Site



DAILY QUALITY CONTROL REPORT

Project Name: UXO Survey Report No: 001

Project No: 112IC07797 Location: Lockheed Site Banning Date: 22 Apr 16

I. Personnel Present (Reference/attach SUXOS's daily report if applicable): **See Daily Tailgate Safety Form**

II. Definable Feature of Work (see Quality Control Plan and revise list as needed)

- | | | |
|---|---|---------------------------------|
| <input checked="" type="checkbox"/> Mob/Site Preparation | <input type="checkbox"/> Demobilization | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Site Survey | <input type="checkbox"/> Other: | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> GPS Positional Data | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Detector Aided Survey | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> Intrusive Investigation | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> MEC/MPPEH Managment | <input type="checkbox"/> | <input type="checkbox"/> Other: |

III. Quality Control Activities (Include Daily QC activities and results and reference/attach inspection/surveillance reports):

Observed the team perform equipment checks using a Blanket Test. Observed the team using proper techniques during surface investigation with the Vallon and Schonstedt.

IV. GSV Seed Items

Seed Placement (Seed ID, Coordinates, and digital photo #)	Seed Recovered (Seed ID and Coordinates)
1. NA	1.NA
2.	2.
3.	3.

V. Problems Encountered / Corrective Actions Taken

None

VI. Directions Given / Received:

None

VII. Special Notes / Lessons Learned

None

VIII. Visitors:

☐ Yes (see Visitor's Log/Daily Activity Log) ☒ No

IX. Approval

Name and Signature: Mark Ladd

Title/Company: Tetra Tech QC/Safety

Date: 22 Apr 16



Revised March 2011

Facility/Location: Beaumont, CA

Site(s): Lockheed Site



DAILY QUALITY CONTROL REPORT

Project Name: UXO Survey Report No: 002

Project No: 112IC07797 Location: Lockheed Site Banning Date: 23 Apr 16

I. Personnel Present (Reference/attach SUXOS's daily report if applicable): **See Daily Tailgate Safety Form**

II. Definable Feature of Work (see Quality Control Plan and revise list as needed)

- | | | |
|---|---|----------------------------------|
| <input type="checkbox"/> Mob/Site Preparation | <input type="checkbox"/> Demobilization | <input type="checkbox"/> |
| <input type="checkbox"/> Site Survey | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> GPS Positional Data | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Detector Aided Survey | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Intrusive Investigation | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> MEC/MPPEH Management | <input type="checkbox"/> | <input type="checkbox"/> Other:: |

III. Quality Control Activities (Include Daily QC activities and results and reference/attach inspection/surveillance reports):

Observed the team perform equipment checks using a Blanket Test. Observed the team using proper techniques during surface investigation with the Vallon and Schonstedt. Performed QC inspection of anomaly locations to ensure completeness of removal. No discrepancies noted.

IV. GSV Seed Items

Seed Placement (Seed ID, Coordinates, and digital photo #)	Seed Recovered (Seed ID and Coordinates)
1. NA	1.NA
2.	2.
3.	3.

V. Problems Encountered / Corrective Actions Taken

None

VI. Directions Given / Received:

None

VII. Special Notes / Lessons Learned

None

VIII. Visitors:

☐ Yes (see Visitor's Log/Daily Activity Log) ☒ No

IX. Approval

Name and Signature: Mark Ladd

Title/Company: Tetra Tech QC/Safety




Date: 23 Apr 16



Revised March 2011

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

	DAILY QUALITY CONTROL REPORT	
Project Name: UXO Survey		Report No: 003
Project No: 112IC07797	Location: Lockheed Site Banning	Date: 24 Apr 16
I. Personnel Present (Reference/attach SUXOS's daily report if applicable): See Daily Tailgate Safety Form		
II. Definable Feature of Work (see Quality Control Plan and revise list as needed)		
<input type="checkbox"/> Mob/Site Preparation <input type="checkbox"/> Site Survey <input checked="" type="checkbox"/> GPS Positional Data <input checked="" type="checkbox"/> Detector Aided Survey <input checked="" type="checkbox"/> Intrusive Investigation <input checked="" type="checkbox"/> MEC/MPPEH Managment	<input type="checkbox"/> Demobilization <input type="checkbox"/> Other: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Other:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
III. Quality Control Activities (Include Daily QC activities and results and reference/attach inspection/surveillance reports):		
<p>Observed the team perform equipment checks using a Blanket Test. Observed the team using proper techniques during detector aided surveys and investigation with the Vallon and Schonstedt. Recovered MDAS items were dual inspected and MDAS. No discrepancies were noted.</p>		
IV. GSV Seed Items		
Seed Placement (Seed ID, Coordinates, and digital photo #)		Seed Recovered (Seed ID and Coordinates)
1. NA		1.NA
2.		2.
3.		3.
V. Problems Encountered / Corrective Actions Taken		
None		
VI. Directions Given / Received:		
None		
VII. Special Notes / Lessons Learned		
None		
VIII. Visitors:		
<input type="checkbox"/> Yes (see Visitor's Log/Daily Activity Log) <input checked="" type="checkbox"/> No		
IX. Approval		
Name and Signature: Mark Ladd		Title/Company: Tetra Tech QC/Safety
		Date: 24 Apr 16
 		Revised March 2011

Facility/Location: Beaumont, CA

Site(s): Lockheed Site



DAILY QUALITY CONTROL REPORT

Project Name: UXO Survey Report No: 004

Project No: 112IC07797 Location: Lockheed Site Banning Date: 25 Apr 16

I. Personnel Present (Reference/attach SUXOS's daily report if applicable): **See Daily Tailgate Safety Form**

II. Definable Feature of Work (see Quality Control Plan and revise list as needed)

- | | | |
|---|--|----------------------------------|
| <input type="checkbox"/> Mob/Site Preparation | <input checked="" type="checkbox"/> Demobilization | <input type="checkbox"/> |
| <input type="checkbox"/> Site Survey | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> GPS Positional Data | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Detector Aided Survey | <input type="checkbox"/> | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Intrusive Investigation | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> MEC/MPPEH Management | <input type="checkbox"/> | <input type="checkbox"/> Other:: |

III. Quality Control Activities (Include Daily QC activities and results and reference/attach inspection/surveillance reports):

Observed the team perform equipment checks using a Blanket Test. Observed the team using proper techniques during surface investigation with the Vallon and Schonstedt. Performed QC of intrusively investigated anomaly locations. No discrepancies noted.

All activities for this operation have been completed in accordance with the approved planning documents.

IV. GSV Seed Items

Seed Placement (Seed ID, Coordinates, and digital photo #)	Seed Recovered (Seed ID and Coordinates)
1. NA	1. NA
2.	2.
3.	3.

V. Problems Encountered / Corrective Actions Taken

None

VI. Directions Given / Received:

None

VII. Special Notes / Lessons Learned

None

VIII. Visitors:

☐ Yes (see Visitor's Log/Daily Activity Log) ☒ No

IX. Approval

Name and Signature: Mark Ladd

Title/Company: Tetra Tech QC/Safety

Date: 25 Apr 16



Revised March 2011

HEALTH AND SAFETY LOGS

**TETRA TECH**

MRP FF.22

DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD

Facility/Location: Beaumont, Ca. Lockheed Site

	Name	Signature	Position
1. Briefing(s) Given By:	MARK LADD		SAFETY/QC OFFICER
Date: 22 Apr 16	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.): Construction Support			
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 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: NONE <i>Added training on Snake Bite First Aid.</i>			
6. Personnel Attending			
Name	Signature		Position
Steve Kosier			Tech III
Forrest Malone			TECH II
Shaun Woods			TECH II
PETER JIMENEZ			BIOLOGIST II



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date	22 April 2016
PROJECT NO.: 112IC07797		TASK CODES: BIGWOM.12	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Held the Tailgate Safety Brief on the Lockheed site bunker. Observed the team wearing all required PPE. The team used good safe work practices during the site walk with no issues to report.			
VISITORS ON SITE (indicate if received Site-Specific Training): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: (temp, wind, humidity, precipitation) Today was sunny with temp ranging from 45 to 75 degrees		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Brief			
SIGNATURE: Mark Ladd		DATE: 22 April 2016	



TETRA TECH

MRP FF.22

DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD

Facility/Location: Beaumont, Ca. Lockheed Site

1. Briefing(s) Given By:	Name MARK LADD	Signature 	Position SAFETY/QC OFFICER
Date: 23 Apr 16	Time: 0700	Team #: N/A	
2. Reason for Briefing:			
<input type="checkbox"/> Initial Safety Briefing XXX 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.): Construction Support			
4. Safety Topics: (Check All That Apply – per AHA or Work Permit)			
<input checked="" type="checkbox"/> X Site Safety Personnel <input checked="" type="checkbox"/> X Site/Work Area Description <input checked="" type="checkbox"/> X Physical Hazards <input type="checkbox"/> Chemical/Biological Hazards <input checked="" type="checkbox"/> X Heat/Cold Stress <input type="checkbox"/> Work/Support Zones <input checked="" type="checkbox"/> X PPE <input checked="" type="checkbox"/> X Safe Work Practices <input type="checkbox"/> Air Monitoring <input type="checkbox"/> Task Training <input type="checkbox"/> OE Precautions		<input type="checkbox"/> Decontamination Procedures <input checked="" type="checkbox"/> X Emergency Response/Equipment <input type="checkbox"/> On-Site Injuries/Illness <input type="checkbox"/> Reporting Procedures <input checked="" type="checkbox"/> X Directions to Medical Facility <input type="checkbox"/> Drug and Alcohol Policies <input type="checkbox"/> Medical Monitoring <input checked="" type="checkbox"/> X Evacuation/Egress Procedures <input checked="" type="checkbox"/> X Communications <input type="checkbox"/> Confined Spaces <input type="checkbox"/> Other:	
5. Remarks: none Repeated info on snake hazard and discussed wild cats. Reminded everyone about kangaroo rats.			
6. Personnel Attending			
Name	Signature		Position
Steve Kosier			Tech III
Forrest Malone			TECH II
Shaun Woods			TECH II

PETER JIMENEZ

BIOLOGIST II



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date	23 April 2016
PROJECT NO.: 112IC07797		TASK CODES: BIGWOM.12	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Held the Tailgate Safety Brief on the Lockheed site bunker. Observed the team wearing all required PPE. Observed the field team hydrating and wearing sunscreen. The team used good safe work practices during the survey and there were no issues to report.			
VISITORS ON SITE (indicate if received Site-Specific Training): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: (temp, wind, humidity, precipitation) Today was sunny with temp ranging from 49 to 75 degrees		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Brief			
SIGNATURE: Mark Ladd		DATE: 23 April 2016	



MRP FF.22

DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD

Facility/Location: Beaumont, Ca. Lockheed Site

	Name	Signature	Position
1. Briefing(s) Given By:	MARK LADD		SAFETY/QC OFFICER
Date: 24 Apr 16	Time: 0700	Team #: N/A	
2. Reason for Briefing:			
<input type="checkbox"/> Initial Safety Briefing		<input type="checkbox"/> New Site Procedure: _____	
XXX Daily Safety Briefing		<input type="checkbox"/> New Site Information: _____	
<input type="checkbox"/> New Task Briefing: _____		<input type="checkbox"/> Review of Site Information	
<input type="checkbox"/> Periodic Safety Meeting		<input type="checkbox"/> Other: (Specify) _____	
3. List Today's Project Tasks (reference definable features of work – See Worksheet 12.): Construction Support			
4. Safety Topics: (Check All That Apply – per AHA or Work Permit)			
<input checked="" type="checkbox"/> Site Safety Personnel		<input type="checkbox"/> Decontamination Procedures	
<input checked="" type="checkbox"/> Site/Work Area Description		<input checked="" type="checkbox"/> Emergency Response/Equipment	
<input checked="" type="checkbox"/> Physical Hazards		<input type="checkbox"/> On-Site Injuries/Illness	
<input type="checkbox"/> Chemical/Biological Hazards		<input type="checkbox"/> Reporting Procedures	
<input checked="" type="checkbox"/> Heat/Cold Stress		<input checked="" type="checkbox"/> Directions to Medical Facility	
<input type="checkbox"/> Work/Support Zones		<input type="checkbox"/> Drug and Alcohol Policies	
<input checked="" type="checkbox"/> PPE		<input type="checkbox"/> Medical Monitoring	
<input checked="" type="checkbox"/> Safe Work Practices		<input checked="" type="checkbox"/> Evacuation/Egress Procedures	
<input type="checkbox"/> Air Monitoring		<input checked="" type="checkbox"/> Communications	
<input type="checkbox"/> Task Training		<input type="checkbox"/> Confined Spaces	
<input type="checkbox"/> OE Precautions		<input type="checkbox"/> Other: _____	
5. Remarks: NONE			
6. Personnel Attending			
Name	Signature		Position
Steve Kosier			Tech III
Forrest Malone			TECH II
Shaun Woods			TECH II



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date	24 April 2016
PROJECT NO.: 112IC07797		TASK CODES: BIGWOM.12	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Held the Tailgate Safety Brief on the Lockheed site bunker. Items included were proper UXO digging procedures, route to hospital, and environmental hazards and situational awareness. Observed the team wearing all required PPE. The team used good safe work practices during the survey and there were no issues to report.			
VISITORS ON SITE (indicate if received Site-Specific Training): Gave site safety brief to the Riverside County Sheriff's Office personnel, Bob Epps, Randy Schneider, Rafael Cuevas.			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: (temp, wind, humidity, precipitation) Today was sunny with temp ranging from 48 to 78 degrees		IMPORTANT TELEPHONE CALLS: Riverside Sheriff's Office for Treatment of MEC and MDAS items	
PERSONNEL ON SITE: See Tailgate Safety Brief			
SIGNATURE: Mark Ladd		DATE: 24 April 2016	

**TETRA TECH****MRP FF.22****DAILY TAILGATE SAFETY BRIEFING/TRAINING RECORD****Facility/Location: Beaumont, Ca. Lockheed Site**

1. Briefing(s) Given By:	Name	Signature	Position
	MARK LADD		SAFETY/QC OFFICER
Date: 4/25/16	Time: 0700	Team #: N/A	
2. Reason for Briefing:			
<input type="checkbox"/> Initial Safety Briefing XXX 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.): Construction Support			
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 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: NONE			
6. Personnel Attending			
Name	Signature	Position	
Steve Kosier		Tech III	
Forrest Malone		TECH II	
Shaun Woods		TECH II	
PETER JIMENEZ		BIOLOGIST II	



TETRA TECH
DAILY SAFETY LOG

Facility/Location: Beaumont, CA

Site(s): Lockheed Site

FIELD ACTIVITY SUBJECT: UXO Survey		Date	25 April 2016
PROJECT NO.: 112IC07797		TASK CODES: BIGWOM.12	
SUMMARY OF DAILY ACTIVITIES AND EVENTS: Held the Tailgate Safety Brief on the Lockheed site bunker. Observed the team wearing all required PPE. The team used good safe work practices during the survey. Held added safety discussion on canyon wall landslides. There were no issues to report.			
VISITORS ON SITE (indicate if received Site-Specific Training): None			
CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS: None			
WEATHER CONDITIONS: (temp, wind, humidity, precipitation) Today was sunny with temp ranging from 48 to 78 degrees		IMPORTANT TELEPHONE CALLS: None	
PERSONNEL ON SITE: See Tailgate Safety Brief			
SIGNATURE: Mark Ladd		DATE: 25 April 2016	

APPENDIX B - PHOTOGRAPHIC LOG

Photo: 1

Description:

Survey work in Area D



Photo: 2

Description:

Digging subsurface anomaly after Stephens' kangaroo rats clearance in Area D



Photo: 3

Description:
Scrap metal unearthed
in Area D



Photo: 4

Description:
Scrap Metal – Area D



Photo: 5

Description:
Scrap Metal – Area D



Photo: 6

Description:
Scrap Metal – Area D



Photo: 7

Description:
Scrap Metal – Area D



Photo: 8

Description:
Scrap Metal – Area D



Photo: 9

Description:

20mm target practice
projectile – Area D

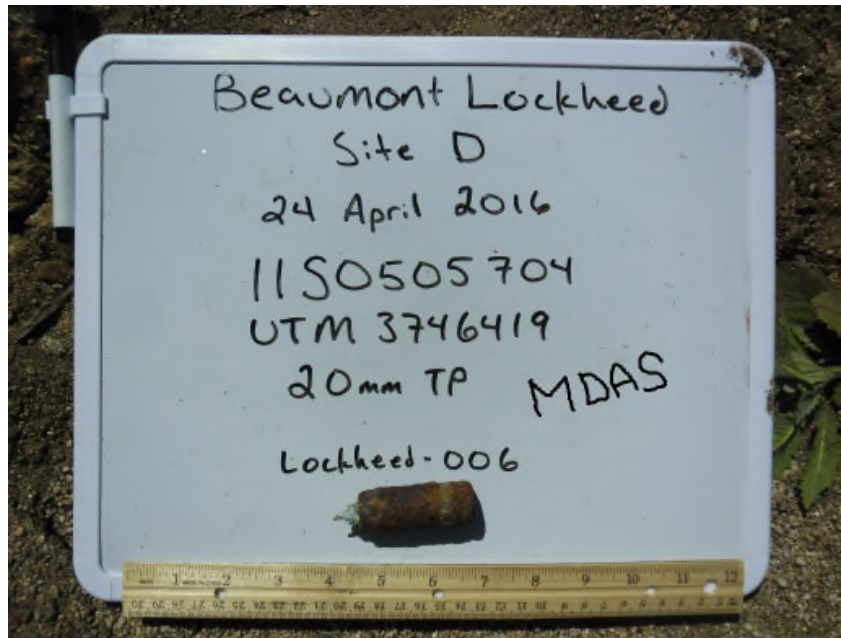


Photo: 10

Description:

Scrap Metal – Area D



Photo: 11

Description:

Scrap Metal – Area D



Photo: 12

Description:

Unfired 20mm TP
cartridge

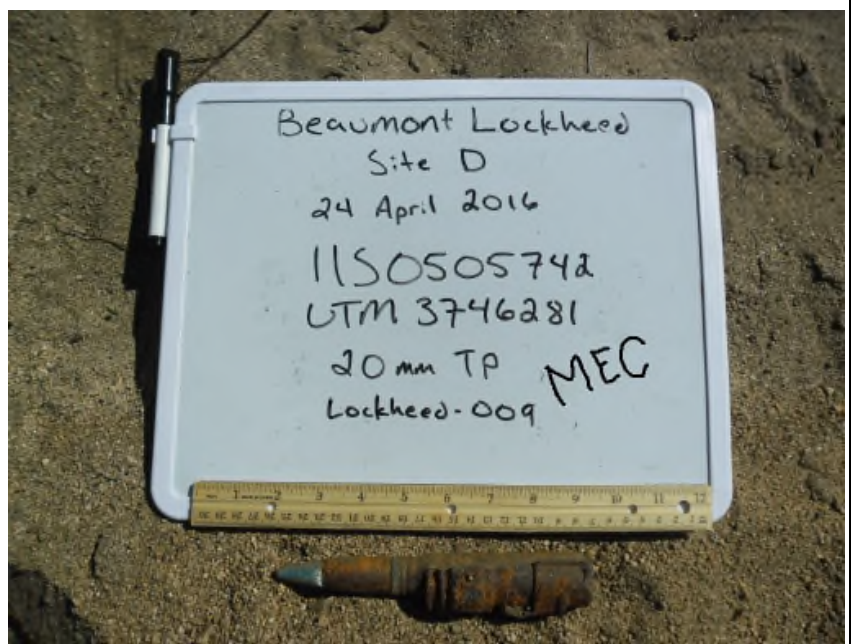


Photo: 13

Description:

Scrap Metal – Area D



Photo: 14

Description:

Scrap Metal – Area A

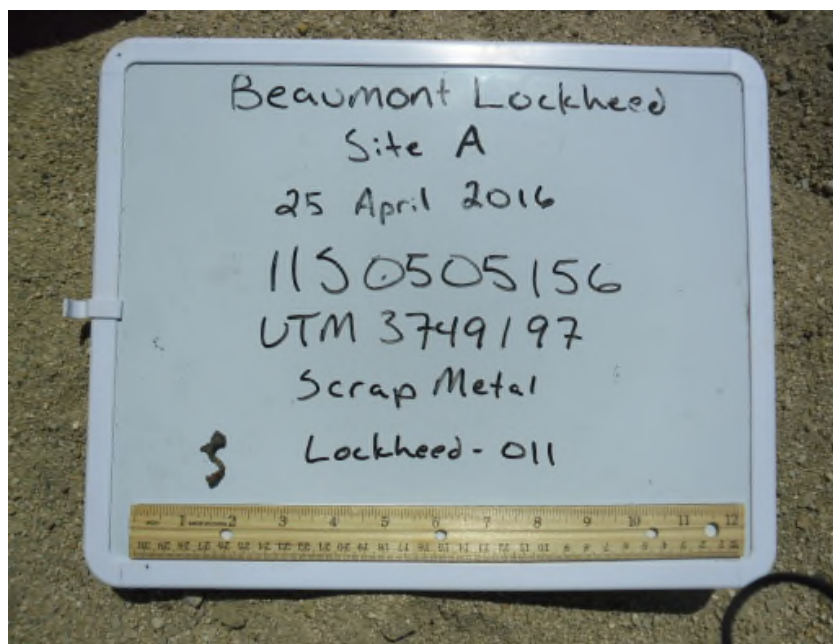


Photo: 15

Description:

Scrap Metal – Area A

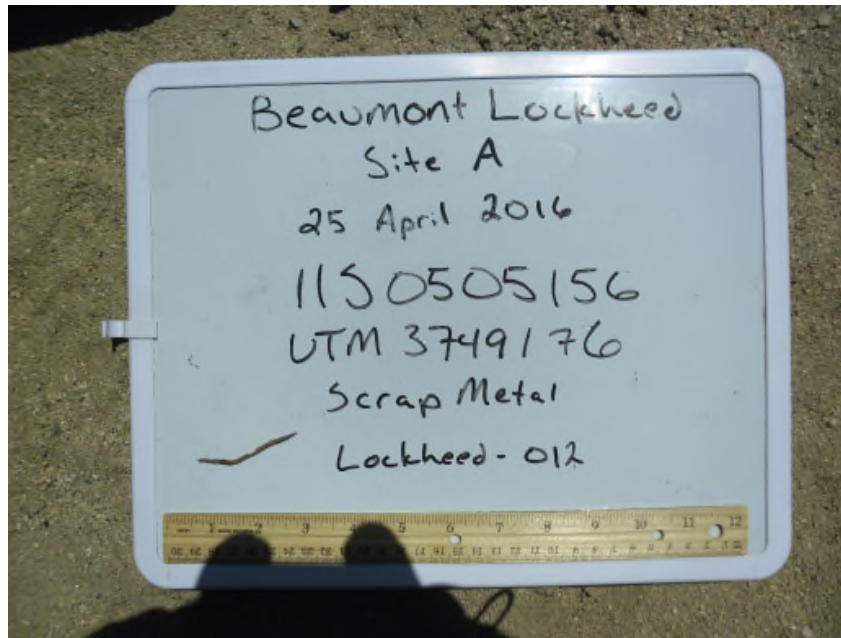


Photo: 16

Description:

Scrap Metal – Area A

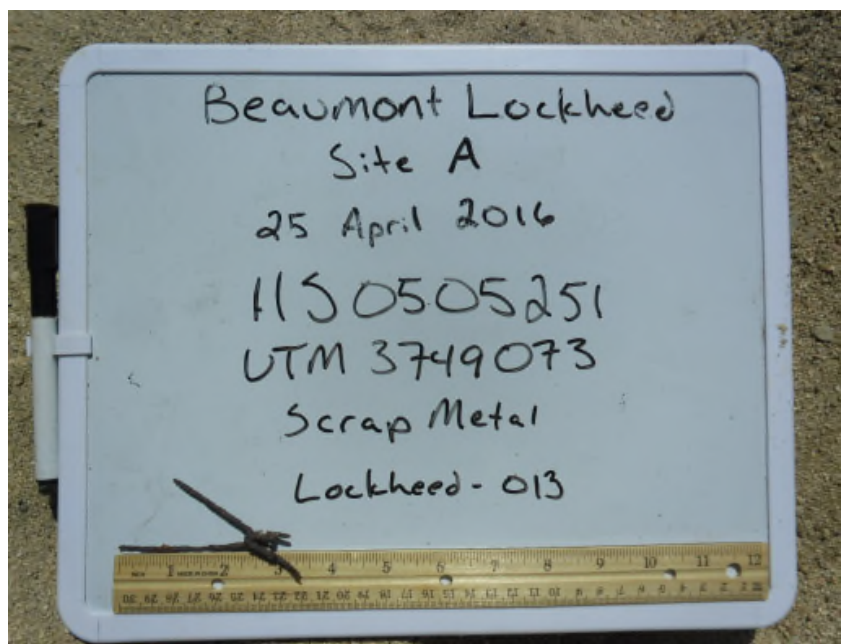


Photo: 17

Description:

Scrap Metal – Area A

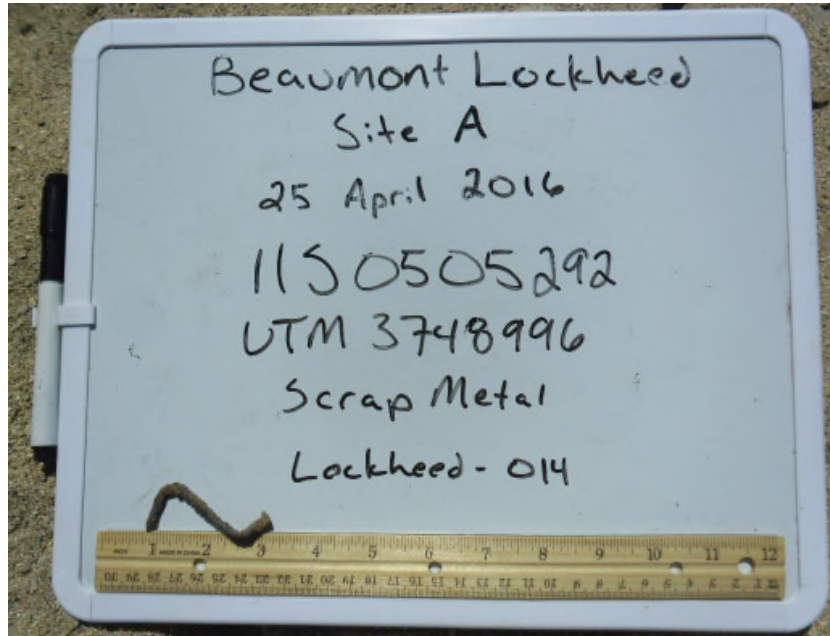


Photo: 18

Description:

Scrap Metal – Area A

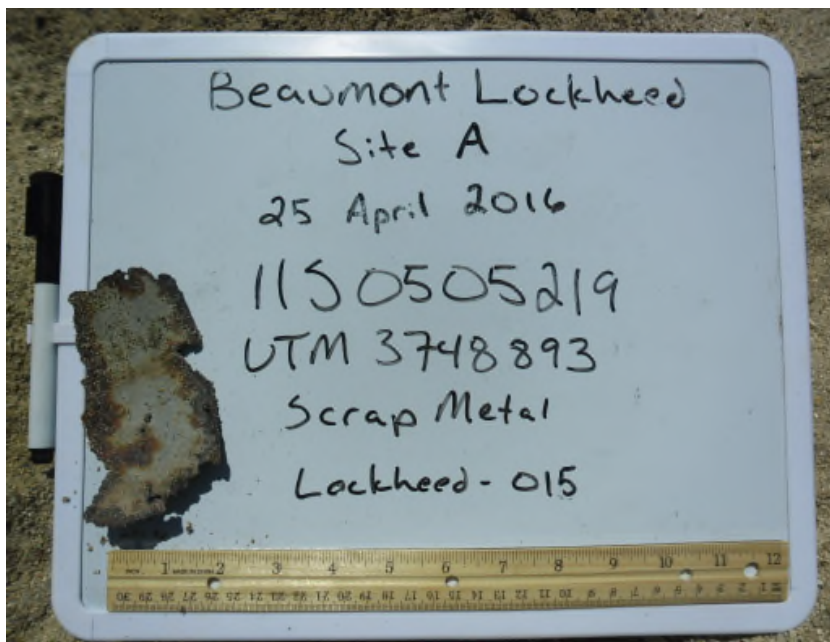


Photo: 19

Description:

Scrap Metal – Area A

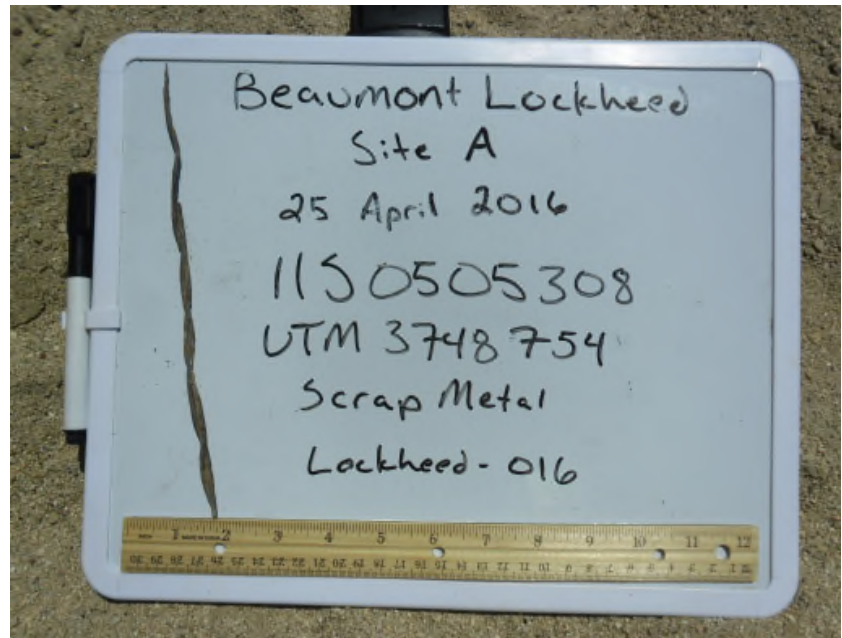


Photo:20

Description:

Scrap Metal – Area A

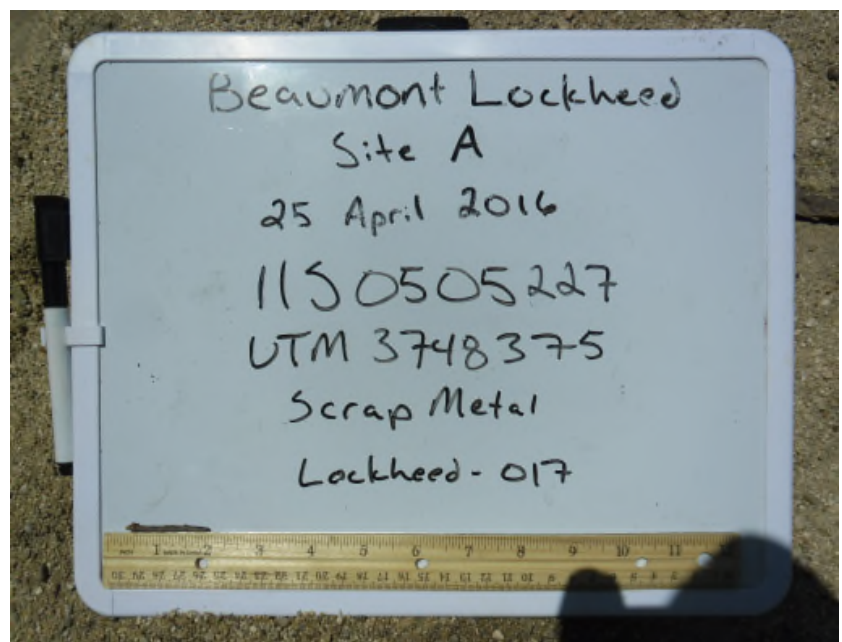


Photo: 21

Description:

Scrap Metal – Area A

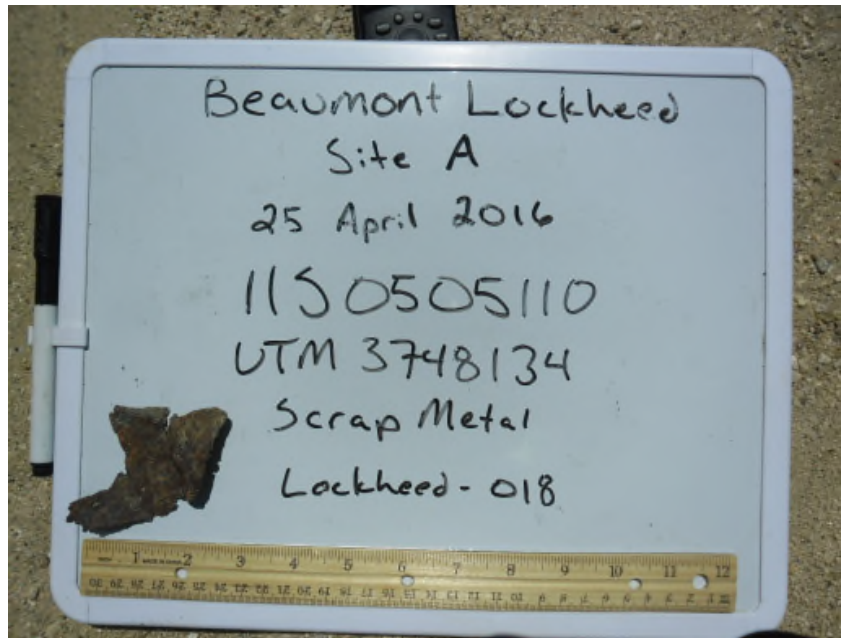


Photo: 22

Description:

Scrap Metal – Area A

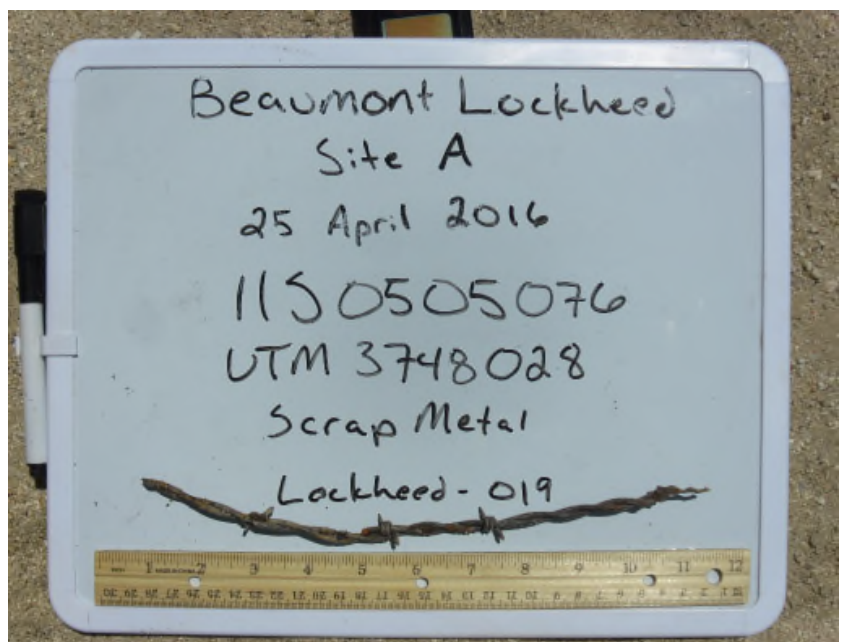


Photo: 23

Description:
Scrap Metal – Area A

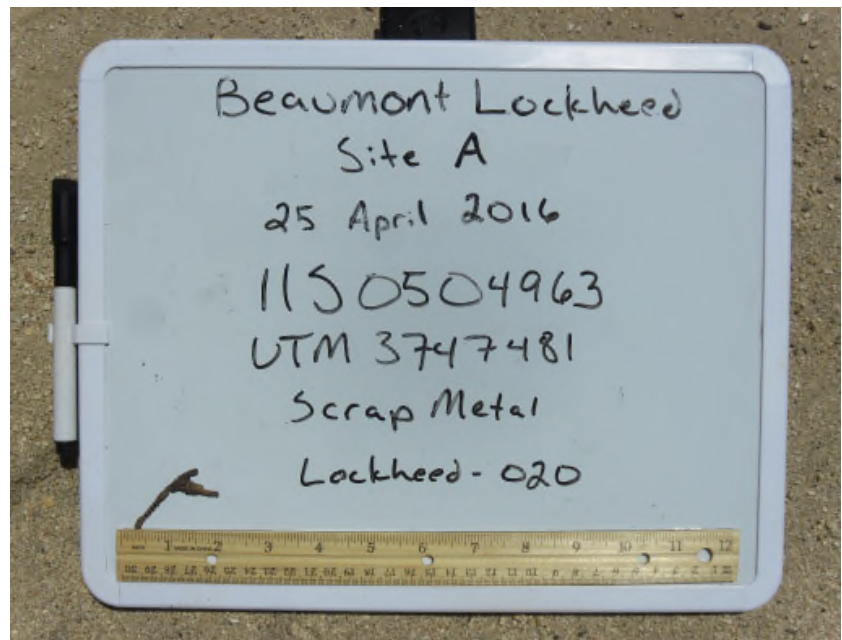


Photo: 25

Description:
Barn owl chicks



Photo: 26

Description:
Mourning dove nest

