

**FINAL
FINAL REPORT
for the
OE ENGINEERING REMOVAL ACTION AT
THE FORMER CAMP HERO
MONTAUK, NEW YORK**

Prepared for:

**U.S. ARMY ENGINEERING & SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



Contract: DACA87-00-D-0037

Task Order: 0024

Project Number: C2NY002404

**Geographical Corps District:
U.S. Army Engineering Division, New York**

Prepared by:



2229 Old Highway 95
Lenoir City, TN 37771

April 2004

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C02NY002404_02.13_0002



The views, opinions, and/or findings contained in the report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentation.



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March 10, 2004

Ms. Lydia Tadesse
U.S. Army Engineering and Support Center, Huntsville
CEHNC-OE-DC
P. O. Box 1600
Huntsville, Al 35807-4301

Re: Contract No. DACA87-00-D-0037; Task Order 0024 – OE Removal Action – Former Camp Hero, Montauk, NY - Transmission of Draft Final Final Report.

EODT Letter No.: 1098-0024-024

Dear Ms. Tadesse:

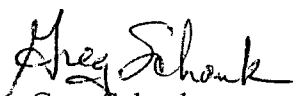
EOD Technology, Inc. (EODT) is pleased to submit the Draft Final Final Report for Former Camp Hero.

To facilitate the review timetables necessitated by the aggressive project schedule, we have sent the four copies of the documents themselves directly to Jerry Kresge for his internal distribution. We understand CEHNC will forward the appropriate number of copies to DDESB for review. We are forwarding the five New York District's copies directly to Mr. Labeste.

EODT appreciates the opportunity to be of continued support to the U. S. Army Engineering and Support Center, Huntsville.

Yours very truly,

EOD TECHNOLOGY, INC.


Greg Schank
Project Manager
w/enclosures

DESIGN REVIEW COMMENTS

<input type="checkbox"/> SITE DEV & GEO	<input type="checkbox"/> MECHANICAL	<input checked="" type="checkbox"/> OE SAFETY	<input type="checkbox"/> SYSTEMS ENG
<input type="checkbox"/> ENVIR PROT& UTIL	<input type="checkbox"/> MFG TECHNOLOGY	<input type="checkbox"/> ADV TECH	<input type="checkbox"/> VALUE ENG
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<input type="checkbox"/> STRUCTURAL	<input type="checkbox"/> INST & CONTROLS	<input type="checkbox"/> SPECIFICATIONS	

REVIEW	Draft Final
DATE	11 February 2004
NAME	William Veith OE-CX (256) 895-1592

ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
1.	Page 6, paragraph 1.5.4	This paragraph states the search lanes were established within each grid with a series of ropes, as determined by the SUXOS. The work plan further stated that the maximum width of the search lanes was 5 feet. Change this paragraph to reflect the same wording as the work plan.	A-Added sentence about width of search lane
2.	Appendix H	The scrap turn-in documents are not prepared IAW the SOW. The SOW identifies the certifier as the SUXOS and the verifier as the OE Safety Specialist. The documents in this appendix have the SUXOS as the certifier but they have the UXOQCS as the verifier. Explain why the SOW was not followed on these documents.	N-OE Safety Specialist was not on site. Procedure allows for EODT to sign in this situation. EODT UXOQCS and S were the same person (dual hatted)
		ACTION CODES W - WITHDRAWN A - ACCEPTED/CONCUR N - NON-CONCUR D - ACTION DEFERRED VE - VE POTENTIAL/VEP ATTACHED	

DESIGN REVIEW COMMENTS

PROJECT Draft Final Remval Report for Former Camp Hero, NY
DACA87-00-D-0037, TO 0024

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 REVIEW DFRR Fmr Camp Hero, NY
 DATE February 25, 2004
 NAME Emmett Hopkins/256-656-2397

ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
1.	GENERAL	This is a review of the Draft Final Removal Report for Former Camp Hero, Montauk, NY TO#0024 on Cont# DACA87-00-D-0037. The OE removal action was performed by EOD Technology Inc. on approximately 17 acres to a depth of four feet on Area H and Revised Area K of the Former Camp Hero with the objective of locating, identifying and disposing of all OE material and OE-related scrap.	
2.	DID OE0-030.01 para 2.8 & 2.9	DFRR missing Conclusion and Recommendation paragraphs.	A-Added conclusion and recommendation sections
ACTION CODES W - WITHDRAWN A - ACCEPTED/CONCUR N - NON-CONCUR D - ACTION DEFERRED VE - VE POTENTIAL/VEP ATTACHED			

DESIGN REVIEW COMMENTS

CN: 02-073-04; S: 20Feb04

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REVIEW	Final Report former Camp Hero RA
DATE	20Feb04
NAME	Jason Burcham/CEHNC-ED-CS-P/256-895-1289

ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
1	General	The following comments were generated from a review of the final report for a removal action at the former Camp Hero completed by EOD Technology.	
2	1.2 2 nd Sentence	Change study area to removal area.	A-made change
3	2.1.1 next to last sentence	States 60 – 70 percent was cleared by August 2003. Does this mean by the end of August or during August? Please Clarify.	A-made change to end of August
4	2.1.2 3 rd sentence	Change “was begun” to “commenced”	A-made change
5	2.1.3 3 rd sentence	States “work was begun on cleared grids”. Why did work commence on cleared grids? Do you mean that clearance work was resumed on un-cleared grids? Please clarify.	A-changed sentence to read work resumed on the partially cleared grids
6	2.1.1 & 2.2.1	I’m not sure why one figure is not given for the percent completion here. Depending on how much acreage was complete during the first mobilization it seems an approximate percent should be easy to compute.	N-some grids were partially cleared during 1 st mobilization which makes it difficult to give exact acreage cleared
7	2.2.2 4 th Sentence	Change “Crops Safety” to “Corps Safety”	A-made change
8	4.1 2 nd Sentence	Change UXOQCXS to UXOQCS	A-made change
9	General	Please send me via e-mail or CD ROM the GIS developed for the project.	A-figures emailed
10	General	Where is the Conclusions section?	A-conclusion section added
11	General	Where is the recommendations section? At least reference Appendix L.	A-recommendation section added
12	Appendix E	You have 948’s for Porta Bella in appendix E.	A-put in correct 948s
		ACTION CODES W - WITHDRAWN A - ACCEPTED/CONCUR N - NON-CONCUR D - ACTION DEFERRED VE - VE POTENTIAL/VEP ATTACHED	

DESIGN REVIEW COMMENTS

CN: 02-073-04; S: 20Feb04

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REVIEW	Final Report former Camp Hero RA
DATE	20Feb04
NAME	Jason Burcham/CEHNC-ED-CS-P/256-895-1289

ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
13	Appendix D	Was any of the OE scrap identifiable? How deep were the excavations? How many items could be positively identified? This table doesn't tell me anything about what was found on site. If there was any identifiable OE there then we should list it. Identification of items removed justifies the actions we have taken and the money that was spent.	A-all the frag components were partial. Did find half a concrete filled cannon ball and what was thought to be 12 and 16-inch projectiles. Nothing else identifiable
14	2.3.2	Please reword "The public intruded" to "The public periodically breached the exclusion zone which caused work to cease". Or something like that.	A-made change
15	2.3.1	I would not consider no work on Friday, Saturday and Sunday an obstacle since EOD technology agreed to the 40-hour workweek in the contract. I guess this may be considered an obstacle in all of the projects, but it is nothing out of the ordinary.	A-deleted this item
16	1.1	In the introduction please reference the EE/CA and the action memorandum also as justification for the removal action on areas H and revised area K.	A-added sentence in Sect 1.1
17	2.4.2	Was any of the 882 lbs of OE scrap identifiable?	A-no only partial frag componenets
18	2.4.1	The wetland is only 2 acres. In the contract modification 2 acres was subtracted from the 17-acre total. This removal report states that EODT cleared 12 acres and omitted a 5-acre wetland. EODT was contracted to clear 15 acres. If EODT only cleared 12 acres then you owe the government 3 more acres.	N-area was heavily vegetated. Park Super did not want area clear cut and 5-foot lanes were agreed on. Three missing acres are wooded and clearance not possible. Revised 1.1 and 2.4.1 to reflect 2 acres of wetlands and 3 acres of woodland not being cleared
19	General	End of comments	
		ACTION CODES W - WITHDRAWN A - ACCEPTED/CONCUR N - NON-CONCUR D - ACTION DEFERRED VE - VE POTENTIAL/VEP ATTACHED	

DESIGN REVIEW COMMENTS

PROJECT _____

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| <input type="checkbox"/> ARCHITECTURAL | <input type="checkbox"/> ELECTRICAL | <input type="checkbox"/> ESTIMATING | <input checked="" type="checkbox"/> OE CX |
| <input type="checkbox"/> STRUCTURAL | <input type="checkbox"/> INST & CONTROLS | <input type="checkbox"/> SPECIFICATIONS | |

REVIEW

CN: 02-073-04 S: 20 Feb 04

DATE

Tuesday, March 09, 2004

NAME

Patti Berry, OE-MCX, 256-895-1525

ITEM	DRAWING NO. OR REFERENCE	COMMENT	ACTION
1.	4.1	Do the daily QC checks include function testing of detection equipment prior to use? This should be addressed. How did you know that the instruments used were capable of detecting the items listed in paragraph 3.5.8 of the SOW to the calculated expected depth? Please explain in the report.	A-added section 4.1.1 on equipment QC checks. Schonstedt and White detection equipment were proposed in the WP and used on the project. The EDD of these instruments was within the detection parameters. None of the grids failed the USACE QC check.
2.			
3.			
4.			
5.			

ACTION CODES

A - ACCEPTED/CONCUR

D - ACTION DEFERRED

W - WITHDRAWN

N - NON-CONCUR

VE - VE POTENTIAL/VEP ATTACHED

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**Geographical Corps District:
U.S. Army Engineering Division, New York**

Contract: DACA87-00-D-0037

Task Order: 0024

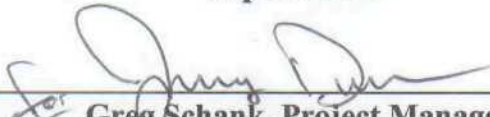
Project Number: C2NY002404

Prepared by:



2229 Old Highway 95
Lenoir City, TN 37771

April 2004



for **Greg Schank, Project Manager**



Dr. Charles C. Phillips, CIH, Corporate Health and Safety Manager



Mr. Stephen C. Volland, CQM, Corporate Quality Manager

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LIST OF ACRONYMS

AAA	Anti-aircraft artillery
ACWS	Aircraft Control and Warning System
CEHNC	U.S. Army Engineering and Support Center, Huntsville, Alabama
DA	Department of the Army
DERP-FUDS	Defense Environmental Restoration Program—Formerly Used Defense Sites
EODT	Explosives Ordnance Disposal Technology, Inc.
DOD	Department of Defense
IAW	in accordance with
OE	Ordnance and Explosives
QA	Quality Assurance
QC	Quality Control
RA	Removal Action
SOW	Scope of Work
SSHP	Site Safety and Health Plan
SUXOS	Senior UXO Supervisor
TO	Task Order
USACE	United States Army Corps of Engineers
UXO	Unexploded Ordnance
UXOQCS	UXO Quality Control Specialist
UXOSO/QCS	UXO Safety Officer and Quality Control Specialist
UXOT2	UXO Technician II
UXOT3	UXO Technician III
WP	Work Plan

1.0 INTRODUCTION

1.1 GOVERNMENT AUTHORIZATION

1.1.1 EOD Technology, Inc. (EODT), under contract to the U.S. Army Engineering and Support Center, Huntsville (CEHNC), performed a Removal Action (RA) of ordnance and explosives (OE) of the former Camp Hero, from Area H and Revised Area K. A Draft Final EE/CA report for the site was issued in January 2002 and the subsequent Action Memorandum recommended the two areas in this study have a Non-Time Critical Removal Action performed. This action was performed because of the potential safety hazard that explosive ordnance could pose to site personnel and the local populace. The specified areas were cleared to the depth of four feet. The site contains approximately 17 acres, including two acres that are designated wetlands and three acres of woodland. The location of the site is shown on the map in Figure 1-1. Additionally, clearance area maps of Area H and Revised Area K with grid overlays and grid condition legends are included in Appendix B.

1.1.2 Performance of this was authorized by Contract DACA87-00-D-0037, Task Order (TO) Number 0024, awarded to EODT by CEHNC on 26 February 2003.

1.1.3 This RA falls under the Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS). OE exists on property formerly owned or leased by the Department of the Army. Additionally, the work was conducted in full compliance with safety requirements of the (DA) United States Army Corps of Engineers (USACE), United States Army Engineering and Support Center Huntsville (CEHNC), Department of the Army, and Department of Defense (DOD), regarding personnel, equipment, and procedures. Applicable are provisions of 29 CFR 1910.120 and the approved EODT Work Plan (WP) for OE Engineering Removal Action Former Camp Hero, Montauk, New York, generated under contract DACA87-00-D-0037, Task Order (TO). 0024.

1.2 TASK ORDER OBJECTIVE

The objective of TO 0024, which was written in Paragraph 1.0 of the SOW, was to safely locate, identify, and dispose of all OE material and OE-related scrap located in Area H and Revised Area K of the former Camp Hero. The objective was accomplished by establishing 100' by 100' grids in the removal area and performing a mag and dig operation in each grid. The specific areas were cleared to the depth of four feet.

1.3 HISTORY

1.3.1 Before World War I

Military site history at the former Camp Hero begins well before the World War I era. During the Revolutionary War and War of 1812, American and British warships reportedly used the "Montauk Bluffs" for firing practice with cannons. Teddy Roosevelt and his Rough Riders, part of an estimated 29,500-man force returning from the Cuba, Puerto Rico, and Florida campaigns of the Spanish-American War in 1898, camped in the Fort Pond Bay area of Montauk. Their camp was called Camp Wikoff and served as a quarantine station for these returning soldiers. Camp Wikoff was active for only a few months.

1.3.2 Between World Wars

Between WWI and WWII, a Navy observation post housing two reconnaissance blimps were stationed at a hangar adjacent to the current Montauk Tower, and a number of oceangoing seaplanes were positioned at a naval base on Fort Pond Bay. From about 1921 until around 1923, thousands of soldiers from the Regular Army, National Guard, and Citizen Military Training Corps Field Artillery units camped and trained in the Montauk area. A campsite on the east side of Fort Pond Bay, presumably named Camp Walsh, was chosen to accommodate the training units. From 1936 through the 1970's, Army Air Corps planes conducted bombing target practice on an island off Montauk Point known as Gardiner's Point. This island also contained an abandoned Spanish-American War fort known as Fort Tyler. In 1942, the Department of the Navy built a facility on Fort Pond Bay to develop and test torpedo propulsion systems. This facility remained in existence until the end of WWII.

1.3.3 World War II

The former Camp Hero was established in early 1942 as a Coastal Defense Installation to defend the approaches to New York and was named in honor of Major General Andrew Hero. Three self-sufficient batteries (Batteries 112, 113, and 216) and supporting facilities were constructed, which included barracks, mess halls, hospital facilities, a motor repair shop, a recreation facility, sentry boxes, and water supply and sewage facilities. A total of 600 enlisted men and 37 officers were stationed at the camp. Battery 216 contained two M1903A2 6-inch shielded guns that were delivered to the battery in January 1943. Battery 113 (also known as Battery Dunn) consisted of two Navy MKIIM1 16-inch casemated guns that were completed on 5 June 1943. The guns of Battery 112 were identical to those of Battery 113 and were completed on 12 January 1944. Additionally, 105mm weapons and .50-caliber anti-aircraft weapon platoons were assigned to protect the camp from air attack. The camp's weaponry was periodically fired to practice over water, but was never fired as a result of an act of hostility.

1.3.4 After World War II

The Camp was placed on inactive status on 31 July 1947 and ultimately declared surplus by the Department of the Army on 31 December 1949. Simultaneously, a portion of the former Camp Hero lands was also transferred to the Department of the Air Force for an aircraft control and warning station. On 24 January 1951, the former Camp Hero was withdrawn from surplus and designated for use as a firing range and field exercise area for anti-aircraft artillery (AAA) from Fort Totten, NY. Arrangements were made for the permanent Army AAA cadre at the camp. Firing exercises began with 90mm and quad .50 caliber AAA from firing positions established in the southern bluff overlooking the Atlantic Ocean. In 1952, the Air Force property was renamed the Montauk Air Force Station and was occupied by the 773rd Aircraft Control and Warning Squadron (ACWS). Training continued using 90mm and 120mm guns, 3.5-inch rockets, and .50 caliber guns until 1957. The facility was inactive until October 1958 when the 773rd ACWS was redesignated as the 773rd Radar Squadron with a new mission to provide surveillance data of air traffic in the area. To accomplish this mission, an advanced Specific Frequency Diversity Search Radar facility was built in late 1960. The facility was closed in 1982. Between 1974 and 1984, all site lands were transferred to state, local, and other federal agencies.

1.4 SITE

The former Camp Hero, consisting of 468.69 acres, is located on the extreme eastern tip of the south fork of Long Island, New York, approximately 5 miles east of the village of Montauk (see Figure 1-1). The camp is bounded by Montauk Highway (Route 27) to the north, the Atlantic Ocean to the south, Montauk Point State Park to the east, and an undeveloped nature preserve owned by the state to the west. Main access to the site is from Route 27; the project site itself is accessed via park roads. The camp is located in Suffolk County, New York. A general layout map of the former Camp Hero is provided as Figure 1-2.

(This space intentionally left blank.)

1.5 TECHNICAL APPROACH

1.5.1 All unexploded ordnance (UXO) work was performed by UXO-qualified EODT personnel. Personnel worked in a team and were equipped with vehicles, Schonstedt GA-52Cx magnetometers, White XLT magnetometers, hand tools, first aid equipment, personal protective equipment, heavy equipment, and communications gear.

1.5.2 The boundary of the site was surveyed by contracted land surveyors. A grid numbering system was established, and a network of 100' by 100' grids was laid within the surveyed boundaries.

1.5.3 The RA was conducted utilizing one Senior UXO Supervisor (SUXOS), one UXO Safety Officer and Quality Control Specialist (UXOSO/QCS), one UXO Technician III (UXOT3), and five UXO Technicians II (UXOT2's) to conduct the OE Removal Action and process OE and OE-related scrap from the area of former Camp Hero.

1.5.4 Search lanes were established within each grid with a series of ropes, as determined by the SUXOS. The maximum width of the search lanes was 5 feet. The OE Removal Action was conducted using Schonstedt GA-52Cx magnetometers to assist UXO personnel in locating surface and subsurface anomalies. As each anomaly was located/detected, the UXO personnel excavated the anomaly until the item was located and identified and the magnetic signature was no longer detectable or until the excavation reached the clearance depth of 4 feet.

1.5.5 EODT removed and processed all OE and non-OE scrap. Non-OE scrap was disposed of locally in accordance with (IAW) the Former Camp Hero Work Plan (WP). OE scrap was inspected and transported to a salvage yard IAW the Former Camp Hero WP.

2.0 DISCUSSION

2.1 FIELD OPERATIONS

2.1.1 Mobilization activities began on 8 August 2003. Mr. Robert Prosperi (SUXOS) and Mr. Scott Wardle (UXOSO/QCS) arrived in Montauk, New York, on 10 August 2003, with the rest of the team personnel arriving throughout the day of the 10th. On 11 August 2003, EODT personnel met with Mr. Tom Dess, New York State Park Superintendent, and Mr. Robert Korosec, Thew Associates (Land Surveyors), for introductions and site survey. Site familiarization and indoctrination briefings took place during the morning. Topics that were covered include company policy, site history, EODT and former Camp Hero history, and current job requirements. Additionally, the WP and the Site Safety and Health Plan (SSHP) were reviewed and a safety briefing conducted. The route to the local hospital was explained. Equipment was inventoried, inspected, and issued to the field team. EODT accomplished the

RA utilizing one field team. The team of UXO-qualified personnel cleared approximately 60–70 percent of the estimated 17 acres associated with the former Camp Hero site by the end of August 2003. All UXO and OE-related scrap was processed IAW the Former Camp Hero WP.

2.1.2 On 3 December 2003, Mr. Greg Schank, Project Manager, and Mr. James Drake, SUXOS, arrived on site and met with Mr. Tom Dess, park superintendent, and Ms. Deborah Green, tree clearance subcontractor. A review of the objective and a health and safety briefing were conducted, prior to performing a site survey of the remaining areas that required tree and ordnance clearing. An agreement was reached with the tree clearance subcontractor, and tree and vegetation removal commenced on 5 December 2003. The park superintendent requested that areas not be clear cut and agreed that five foot wide lanes with five foot wide buffer zones would be cut in the remaining areas requiring clearance. All tree and vegetation removal during this mobilization was completed on 19 December 2003.

2.1.3 The remaining EODT crew mobilized to the site on 8 December 2003. The SSHP was reviewed and a safety briefing was conducted. Equipment was inventoried, inspected, and issued to the field team, and work resumed on the partially cleared grids. Tree clearance activities went on simultaneously with clearance work, and exclusion zones were carefully observed by both the tree clearing and EODT crews. All UXO and OE-related scrap was processed IAW the Former Camp Hero WP.

2.1.4 Table 2-1 lists EODT's field personnel for both mobilizations and field operations were conducted by EODT personnel in the categories shown. Table 2-2 lists the management personnel who had significant, specific input into the preparation and review of this report.

TABLE 2-1: PERMANENT ON-SITE PERSONNEL

Labor Category	Quantity
Senior UXO Supervisor (SUXOS)	1
UXO Safety Officer (UXOSO) / UXO Quality Control Specialist (UXOQCS)	1
UXO Tech III	1
UXO Tech II	5
TOTAL	8

* The UXOSO and the UXOQCS functions were combined.

TABLE 2-2: EODT MANAGEMENT PERSONNEL

Name	Title
Mr. Bill Pearse/Mr. Greg Schank	Project Manager
Mr. George Brumbaugh	GIS and Mapping Manager

2.2 ORDNANCE REMOVAL

2.2.1 The RA operations began after the site briefing on 11 August 2003, with the team assisting EODT's professional land surveyor in laying a grid network over the site. Brush cutting activities were conducted within the site on an "as-needed" basis. Surveying was completed on 12 August 2003, with the team initiating the surface clearance.

2.2.2 EODT personnel completed 60–70 percent of the surface clearance on 28 August 2003. Intrusive investigations started on 13 August 2003 in grid H6. During the first days of the clearance operations, it became evident that more brush removal would be required to enable the team to meet the clearance criteria in Area K and a portion of Area H. To meet the policy of minimal brush clearance and the clearance criteria, it was agreed upon by Mr. Tom Dess, Mr. Tim Holland (Corps Safety), and EODT that five foot wide lanes five feet apart would be cut through Area K. Significant efforts were made to contract brush clearing contractors to rapidly clear the required areas. Nu Green Landscaping of Riverhead, New York used a brush hog type tractor to clear brush from the open areas of Area H. Clear-View used a hydro axe tractor to start cutting lanes in Area K, but incurred significant mechanical damage to the equipment as a result of terrain features and composition. Because of the time constraints on this portion of the contract, it was determined that Area K and a portion of Area H would require brush clearance to facilitate OE removal operations at a later date. Efforts in August were then directed towards clearing the open areas of Area H and the shoreline up to the bluff face in Area K and cleaning up the partial lanes made by the hydro axe.

2.2.3 OE and non-OE scrap was removed from 90 percent of Area H and 30 percent of Area K in August. OE scrap was processed IAW the Former Camp Hero WP.

2.2.4 On 29 August 2003, all personnel demobilized the site. All clearance activities were complete except for the grids identified in Areas H and K.

2.2.5 On 3 December 2003, EODT remobilized to the site to contract a tree clearance subcontractor. The F.A. Bartlett Tree Expert Company of Southampton, New York was subcontracted and provided two three-person crews to complete tree clearing activities. The EODT field crew mobilized to the site on 8 December 2003 and completed clearance work in the remaining portions of Areas H and K. Work was completed and all grids accepted by the USACE on-site representative by 23 December 2003. OE scrap was processed IAW the Former Camp Hero WP.

2.2.6 All scrap was turned in to Phillips Metal Company, Nashville, Tennessee.

2.3 OBSTACLES

2.3.1 The public periodically breached the exclusion zone which caused work to cease.

2.3.2 Limitations were experienced with cellular and radio communications.

2.3.3 Area K vegetation was excessive—much greater than expected. Intrusive operations could not proceed until after the excess vegetation was removed. The seasonal onset of nearby community events precluded further vegetation removal until December.

2.3.4 Area H vegetation was also greater than expected and would have reduced team progress if not addressed. A contractor was employed to remove brush from Area H. A portion of Area H had not been previously cleared and therefore required heavy brush clearing efforts. Area K heavy vegetation in most areas required removal before clearance efforts could begin. Man-hours were lost as a result of the summer weather conditions (i.e., high heat indexes and thunderstorms).

2.3.4.1 In December 2003, additional vegetation and tree removal in Areas H and K was hampered because of weather and the thickness of vegetation. Snow, rain, and cold weather hampered vegetation removal operations. Muddy conditions caused by the rain and snow slowed operations due to equipment becoming stuck. It is estimated that at least three workdays were lost because of these adverse conditions.

2.3.5 Because of surf fishing season throughout the fall, all clearance activities were stopped in August. Exclusion zones could not be maintained from September through November. Work therefore, resumed on 8 December 2003.

2.4 ACCOMPLISHMENTS

2.4.1 Clearance operations were completed on 15 acres in Areas H and K at the former Camp Hero site. The two-acre wetland area was deleted from the scope's original 17 acres through modification 1 to protect the environment.

2.4.2 A total of 882 pounds of OE scrap were removed from the cleared acres, and 442 pounds of non-OE scrap were removed. No live or fuzed ordnance was found, and no explosive shots were performed. The grid/ordnance tracking log in Appendix D provides a detailed accounting of all grids completed and partial grids worked. No reseeding or revegetation was done, as directed by the park superintendent.

3.0 DOCUMENTATION

3.1 WORK PLAN (WP)

The WP submitted in June 2003 supported actions performed during the RA. The WP, which included the SSHP, provided detailed procedures to be used to protect workers, the general public, and the environment during the removal activities.

3.2 SUPPORTING INFORMATION

The required supporting information for this RA is presented in the appendices, as listed below:

Scope of Work	Appendix A
Site Maps	Appendix B
Daily SUXOS Log	Appendix C
Grid Tracking Log	Appendix D
Quality Control (QC) and Quality Assurance (QA)	Appendix E
Demolition Shot Records.....	Appendix F
Scrap Turn-in Documentation.....	Appendix G
Site Photos	Appendix H
Prove-out Data	Appendix I
Geophysical Maps.....	Appendix J
Analytical Data	Appendix K
Recurring Review Plan	Appendix L

4.0 QUALITY CONTROL AND QUALITY ASSURANCE

4.1 Daily quality control (QC) checks were monitored by the EODT UXOSO/QCS. All grids were quality control checked by the UXOQCS after they were cleared. The daily QC routine also included, but was not limited to, these duties: inspecting the project field equipment, maintaining administrative records, inspecting scrap, and monitoring all site activities. Documentation of these QC activities is contained in Appendix E.

4.1.1 Daily response checks were performed on the Schonstedt and White instruments. Two test areas were set up for this check, one on the beach area, and one on the entryway to the site.

4.1.2 Once the grid passed the UXOQCS check, a quality assurance (QA) inspection was performed by the EODT Safety Specialist who also verified the inspection of all OE and non-OE scrap prior to turning it over to the scrap dealer.

5.0 EXPOSURE DATA

5.1 A total of 1,324 pounds of OE and non-OE scrap was removed from the site.

5.2 Exposure data for this RA, summarized in Table 5-1, shows that during the implementation of the RA, site vehicles logged approximately 3,701 miles and consumed an estimated 510 gallons of gasoline. The total number of man-hours expended performing field activities was 2,070. Thirteen round-trip commercial airline flights were used for mobilization and demobilization, as shown in Table 5-2.

TABLE 5-1: MAN HOURS – MILEAGE – FUEL USAGE

Total man-hours worked on site	2,070
Total motor vehicle mileage	3,701
Total gallons of gasoline consumed	510
Total gallons of diesel	N/A

TABLE 5-2: FLIGHT DATA

Total Flights	Total Man Hours of Flight Time
13	65

6.0 FINANCIAL BREAKDOWN

The RA was conducted as a firm fixed-price activity. As shown in Table 6-1, the total amount funded for the project was \$223,573.36.

TABLE 6-1: FINANCIAL BREAKDOWN

Contract No: DACA87-00-D-0037		Location: Montauk, New York
Task Order No: 0024		Project: RA Former Camp Hero
Prepared by EOD Technology, Inc.		
Contract Line Item Number (CLIN)	Category	Funded Amount
0008AA	Post Award Site Visit (FFP)	\$6,325.01
0008AD	Removal Action Work Plan (FFP)	\$9,239.57
0008AE	Tree/Brush Removal and Surface Clearance (FFP)	\$5,599.80
0008AF	Location Surveys and Mapping (FFP)	\$10,962.52
0008AK	Removal Action (FFP)	\$128,552.97
0008AL	Establish and Manage GIS (FFP)	\$9,308.70
0008AM	Removal Report (FFP)	\$12,368.19
0008AN	Project Management (FFP)	\$37,227.69
0008AQ	Conventional ESS (FFP)	\$3,988.91
	Funded Amount	\$223,573.36

7.0 SUMMARY

7.1 EODT completed the clearance of 15 acres of the original 17 acres of the former Camp Hero site, Montauk, NY. Two of the remaining acres are protected wetlands removed from the clearance requirement by SOW Modification 1.

7.2 Scrap was shredded and recycled by PSC Metals, Nashville, TN. Scrap turn-in receipts are included in Appendix G.

7.3 EODT removed 1,324 pounds of OE scrap and non-OE scrap.

7.4 Obstacles included:

- Public intrusions by people, aircraft, and vehicles;
- Cellular and radio communications limitations;
- Area K vegetation excessive—in most areas, required removal before clearance efforts. Vegetation removal was greater than expected;
- Area H vegetation was greater than expected and hampered team progress. A contractor was employed to remove brush in Area H. A portion of Area H had not previously been cleared, requiring heavy brush clearing efforts; and
- Lost man-hours as a result of weather conditions (i.e., high heat indexes and thunderstorms in August; cold, snow, rain, and mud in December).

8.0 CONCLUSION

No UXO or OE scrap requiring detonation was found during the EODT RA. Accordingly, potential risk to the public is considered low. Any future UXO exposure to the public would be associated with items eroding from the bluffs along the beach or washing up on the beach after major storm events. The three acres of woodland that was not cleared should not pose a threat. This conclusion is based on the findings of the areas that were cleared. No UXO was found in any of the cleared areas and it is unlikely that any UXO is present in the woodland area not cleared.

9.0 RECOMMENDATION

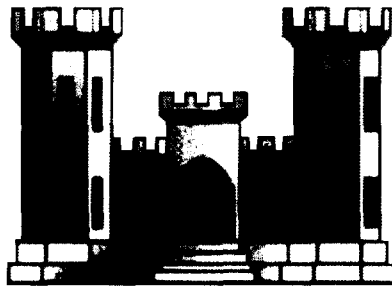
No further removal actions are recommended. The Recurring Review Plan in Appendix L should be implemented.

APPENDIX A SCOPE OF WORK

FOR THE OE ENGINEERING REMOVAL ACTION FORMER CAMP HERO MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



**GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York**

**Contract: DACA87-00-D-0037
Task Order: 0024**

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004

**REVISED STATEMENT OF WORK
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK
PROJECTS NO. C2NY002404
Revision 2: 10 December
(Rev 1: 12 Jun 2003, Initial: 26 Feb 2003)**

Revision 2, Add; Removal of Sector H Temporary Exclusion Fence, Task 10, (Paragraph 3.10)

1.0 OBJECTIVE

The objective of this task order is to perform a removal action of ordnance and explosives (OE) for the former Camp Hero. The contractor shall safely locate, identify, and dispose of all OE material and OE-related scrap located in the Area H and Revised Area K. The specific areas shall be cleared to the depth of four (4) feet. The site contains approximately 17 acres.

2.0 BACKGROUND

The work required under this Scope of Work (SOW) falls under the Defense Environmental Restoration Program - Formerly Used Defense Sites (DERP-FUDS). Ordnance and Explosives (OE) exists on property formerly owned or leased by the Department of Army.

2.0.1 Explosive ordnance is a safety hazard and may constitute an imminent and substantial endangerment to site personnel and the local populace, thus the applicable provisions of 29 CFR 1910.120 apply. During the removal action it is the Government's intent that the contractor destroy all OE encountered on-site and that the contractor's work is to be performed in a manner consistent with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 104 and the National Contingency Plan (NCP), Sections 300.120(d) and 300.400(e).

2.0.2 Due to the inherent risk in this type of operation, the contractor shall be limited to a 40-hour work week: either five 8-hour days or four 10-hour days. UXO personnel shall not perform OE-related tasks more than 10 hours per day.

2.0.3 Chemical Warfare Materiel (CWM)

The site is not suspected to contain Chemical Warfare Materiel (CWM). However, if suspect CWM is encountered during any phase of site activities the Contractor shall withdraw upwind from the work area, secure the site and contact the Corps of Engineers, CEHNC-OE Safety for assistance and guidance.

2.1 GENERAL SITE INFORMATION

2.1.1 Location

The former Camp Hero is located in Suffolk County in Montauk, New York, at the easternmost tip of the southern fork of Long Island. The former Camp encompasses approximately 468.69 acres.

2.1.2 History

See Camp Hero EE/CA dated October 2001 and Action Memorandum dated August 2002 for site history and current use.

2.1.3 Potential Ordnance

Documented ordnance items found during the EE/CA were 3.5-inch rockets, 105 mm projectiles, and frag from large projectiles (size unknown).

3.0 SPECIFIC REQUIREMENTS

The contractor's proposal shall detail the technical approach(es) that they will be using to meet the requirements of each task

3.1 (TASK 1) SITE VISIT & DOCUMENTATION REVIEW (FFP)

3.1.1 Site visit

A post award site visit will be allowed for this project. The Contractor will be allowed up to 3 persons for 2 days plus travel. The Contractor shall notify the CEHNC OE, Technical PM (Mr.

Jerry Kresge 256-895-1158) 14 days before the planned visit. The Contractor shall prepare an Abbreviated Site Safety and Health Plan (ASSHP) before traversing the site. The ASSHP shall be submitted to Contracting Officer for review and approval prior to the site visit. The Contractor shall ensure that all members of the site visit team maintain compliance with the ASSHP. An example ASSHP may be obtained from CEHNC-OE-S (Mr. Greg Parsons at 256-895-1589).

3.1.2 Project Document Review

The Contractor shall review all pertinent project data and documentation to familiarize project staff with the project.

3.2 (TASK 2) - REMOVAL WORK PLAN (FFP)

The Contractor shall prepare a Conventional OE Removal Type II Work Plan in accordance with (IAW) DID OE-005-01.01.

3.3 (TASK 3) BRUSH CLEARING (FFP)

Brush clearing shall be kept to a minimum due to public environmental concerns. The Contractor shall perform the minimum amount of work necessary to clear paths or areas of vegetation, which impede the progress, effectiveness or safety of workers. Brush-clearing requirements, procedures, and restrictions shall be coordinated with the New York State Office of Parks, Recreation and Historic Preservation before field work commences. Trees two (2) inches in diameter or greater (measured at chest height) shall not be cut unless specifically approved in writing by the Contracting Officer. For planning, the contractor shall assume a maximum of 6 acres of brush clearing.

3.4 (TASK 4) LOCATION SURVEYS AND MAPPING (FFP)

Location surveying and mapping shall be IAW DID OE-005-07.01 and the approved Work Plan. The coordinate system used for the Task Order shall be the New York State Plane coordinate system. All data submitted shall be in the New York State Plane Coordinate system.. All survey work shall be performed under the direction of a Professional Land Surveyor licensed in the State of New York. OE locations shall be located to the nearest 1 foot. The Contractor shall locate and/or establish a minimum of 2 (two) control monuments for the site. Survey data shall be submitted as follows:

Control Monument Data	With project status report following completion of work
Site grid Data	With project status report following completion of work
OE location Data	With project status report following completion of work

Survey data may be submitted by CD or electronically via email. Other methods of submittal must be proposed and approved by the contracting officer. The site grid data shall include a map of the entire site with grids shown and other pertinent features. A tabulated list of grid corners in New York State Plane coordinates shall be submitted in a Microsoft Excel Spreadsheet version 98 or higher. OE location data shall be submitted in a Microsoft Excel Spreadsheet version 98 or higher. Data shall include a grid number where found, item number assigned, type of item, location in New York State Plane coordinates to nearest foot, and depth below ground surface. All survey data shall be included in the Removal Report.

3.5 (TASK 5) REMOVAL ACTION (FFP)

The Contractor shall, utilizing UXO qualified personnel as outlined in DID OE-025.01, implement the removal action as specified in the approved Work Plan, approved ESS and facilitate OE destruction and scrap removal from the site.

3.5.1 AREA H

The contractor shall provide all necessary personnel and equipment to perform a clearance to a maximum depth of 4 feet as specified in the approved Action Memorandum for OE clearance operations at AREA H. The size of AREA-H is approximately 6 acres and includes the slope

3.5.2 REVISED AREA K

The contractor shall provide all necessary personnel and equipment to perform a clearance to a maximum depth of 4 feet as specified in the approved Action Memorandum for OE clearance operations at Revised AREA-K. The size of Revised AREA-K is approximately 9 acres and is near shore to include the toe of the slope.

3.5.3 Hazardous OE Destruction

The Contractor shall be responsible for the destruction of all OE encountered during site activities utilizing qualified personnel and in accordance with all aspects of the project Work Plan. The Contractor shall establish in the Work Plan a method of disposal for all OE.

3.5.4 Backfilling Excavations

All access/excavation/detonation holes shall be backfilled by the Contractor. The Contractor shall restore such areas to their prior condition. Erosion on the slope area is a concern of the stakeholders. The Contractor shall take the necessary precautions to prevent erosion on the site resulting from intrusive activities, which may include but not limited to, reseeding, sodding, installing erosion control matting or other means to prevent erosion. Erosion control methods shall be specified in the WP.

3.5.5 OE Accountability

The Contractor shall maintain a detailed accounting of all OE items/components encountered. This accounting shall include the amounts of OE, the identification and condition, depth located, disposition and location. The accounting system shall also account for all demolition materials utilized to detonate OE on site. This accounting shall be a part of an appendix to the Final Report.

3.5.6 DD Form 1348-1A

The Contractor shall complete a DD Form 1348-1A as turn-in documentation. The following statement shall be included on the form.

"This certifies and verifies that the AEDA residue, Range Residue, and/or Explosive Contaminated Property listed has been 100 percent properly inspected and to the best of our knowledge and belief, are inert and/or free of explosives or related material."

(Note: AEDA is defined as ammunition, explosives and dangerous articles) Instructions or completing this form are contained in the Defense Utilization and Disposal Manual, DoD 4160.21-M. The DD 1348-1A shall be signed with dual signatures. The first signature (certifier) shall be the Senior UXO Supervisor (SUXOS). The second signature (verifier) shall be the USACE OE Safety Specialist.

3.5.7 Disposal of OE Scrap

All OE scrap shall be disposed of at a foundry and/or recycler where it will be processed through a smelter or furnace prior to resale or release. It is the intent that the OE scrap is disposed of permanently. Disposal in a landfill or to a scrap dealer where it may sit in a scrap pile is

unacceptable. The contractor shall document the transport of the scrap and the transfer of the scrap to the next responsible party. All OE scrap shall be secured in a lockable container as soon as possible after discovery. All containers shall remain locked until such time as it is delivered to, and signed for by a foundry/recycler. The method/location of disposal shall be detailed in the WP. The Contractor shall also include in the WP a written statement from the dealer that the scrap will be processed through a smelter, or furnace, prior to resale or release.

3.5.8 Quality Control

The Contractor shall develop a Quality Control (QC) Program IAW DID OE-005-11.01 that shall ensure a quality product from all aspects of the project to include any work performed by a subcontractor on the project. The Contractor shall develop QC procedures and submit those procedures, for all phase and types of work, in the project work plan(s). The Contractor shall ensure that documentation is maintained and provided in the final report that supports the QC process. In addition to the QC process by the contractor, the Government may perform Quality Assurance (QA) on all phases and types of work performed. Any work that fails the Government QA process shall be re-done by the Contractor at no cost to the Government. The Contractor shall provide full documentation to the USACE detailing what failed the QA process, why it failed, and how the problem was corrected.

The criterion for accepting grids that have been completed by the contractor is:

Area H No ferrous objects with a width (diameter) inclusive of and between a 3.5 inch rocket motor (which is 51mm diameter) and a 105 mm projectile at a depth of less than 11 diameters of the object.

Area K No ferrous objects with a width (diameter) inclusive of and between a 3.5 inch rocket warhead and a 105 mm projectile at a depth of less than 11 diameters of the object.

3.5.9 UXO Quality Control (QC) Specialist

The individual performing the UXO QC shall not be involved in the performance of other OE field tasks. UXO QC shall be a separate function. The UXO QC Specialist shall meet the requirements as shown DID OE-025.01. The Contracting Officer must approve any exceptions.

3.6 (TASK 6) ESTABLISHMENT AND MANAGEMENT OF GIS (FFP)

The Contractor shall establish and manage a GIS IAW DID OE-005-14.01 Geographical Information System Plan. The Contractor shall submit the GIS data in a format compatible to the ESRI (arcview/arcinfo) system.

3.7 (TASK 7) REMOVAL REPORT (FFP)

The Contractor shall prepare and submit a Site Specific Final Removal Report in accordance with CEHNC guidance documents and DID OE-030.01. The Contractor shall also prepare a recurring review plan in accordance with DID OE-110.01. This plan shall be included in the Final Removal Report as an appendix.

3.8 (TASK 8) PROJECT MANAGEMENT (FFP)

The Contractor shall perform project management activities necessary to maintain project control, to include but not limited to the following. The expected closeout date is December 31, 2003

3.8.1 Schedule

The Contractor shall submit a proposed Project Schedule in Microsoft Project. The schedule shall be adjusted and refined during project planning meeting(s). The contractor shall update the schedule IAW DID OE-085.01 Project Status Report. A final schedule shall be submitted a minimum of 30 days before commencing field work (i.e. GPO plot).

3.8.2 Telephone Conversations/Correspondence Records

The Contractor shall keep a record of each phone conversation and written correspondence concerning this Task Order IAW DID OE-055.01. A copy of this record shall be attached to the Project Status Report.

3.8.3 Monthly Status Report

The Contractor shall prepare and submit a monthly status report IAW DID OE-080.01 and include any other items required in the SOW.

3.8.4 Project Status Reports

During fieldwork the Contractor shall prepare and submit weekly status report IAW DID OE-085.01 and include any other items required in the SOW. The CEHNC TM shall be included on the distribution list for the Project Status Report. Others may be added during the duration of the project.

3.8.5 Meetings

The Contractor shall be prepared to attend and participate in 2 project meetings to be held in Montauk, NY. Contractor personnel shall not exceed 2 people for 1 plus travel for each meeting.

3.8.6 Public Support

The contractor shall provide public support by way of providing a draft newspaper article on the removal actions and date of the public meeting scheduled for the evening of July 10, 2003 and at the Park Service Management/Golf Complex. The contractor shall further provide the required materials and equipment for the public presentation. The contractor shall provide short presentation on his planned field activities and assist the NY District Project Manager answer questions. **Cost for Public Meeting is already included as second meeting originally bid.**

3.8.7 Administrative Record

The Contractor shall establish and maintain an Administrative Record for the on-going project in accordance with the guidance given in EP 1110-3-8, Chapter 4 (Establishing and Maintaining Administrative Records). This task requires close coordination with the CENAN and CEHNC to secure all required documents to support the Administrative Record. The Contractor will secure a place to establish and house the Admin Record in the local city or community of the project. The Contractor shall provide all final documents in the Administrative Record on CD to the USACE Rock Island District for placement onto the Project Information Retrieval System (PIRS).

3.9 (TASK 9) CONVENTIONAL EXPLOSIVES SAFETY SUBMISSION (ESS) (FFP)

The contractor shall develop a Conventional Explosives safety submission IAW DID OE-060.01. The ESS shall describe, in detail, the safety criteria involved in an OE removal operation. The ESS shall be approved prior to site mobilization. The Contractor shall coordinate with CEHNC

OE-CX Wayne Shaw (256-895-1513) for ESS approval. The Contractor shall keep the CEHNC OE Technical PM informed of any correspondence concerning the ESS.

3.10 (TASK 10) REMOVE SECTOR H, TEMPORARY EXCLUSION FENCE (FFP)

The contractor shall provide all equipment, material, and labor to remove the existing public exclusion fence along the dirt road through Sector H. The fence and pulled posts will be provided to the Park and placed at their maintenance yard in the Park.

4.0 SUBMITTALS AND CORRESPONDENCE

4.1 Format of Engineering Reports

Any and all reports and/or plans not covered by a specific DID shall be prepared according to the following guidelines. The front cover of the report or plan shall be prepared IAW Attachment 1 of DID OE-030.01 and shall bear the following statement in addition to other requirements. *"The views, opinions, and/or findings contained in the report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision, unless so designated by other documentations."* The cover shall also denote which version of the report/plan presented (e.g. Draft, Draft Final or Final). All data, including raw analytical and electronic data, generated under this task order are the property of the DoD and the government has unlimited rights regarding its' use.

4.2 Computer Files

All final text files generated by the Contractor under this contract shall be furnished to the Contracting Officer in Microsoft Word 6.0 or higher software. Spreadsheets shall be in Microsoft EXCEL. All final CADD drawings shall be in Microstation 95 or higher. All GIS data shall be in ESRI (Arcview/Arcinfo) format.

4.3 HTML or PDF Deliverables

In addition to the paper and digital copies of submittals, the final version of any and all reports and/or plans shall be submitted, uncompressed, on CD ROM in hypertext markup language (HTML) or PDF along with a linked table of contents, linked tables, linked photographs, linked graphs and linked figures, all of which shall be suitable for viewing on the Internet.

4.4 Review Comments

Various reviewers will have the opportunity to review submittals made by the Contractor under this contract. The Contractor shall review all comments received through the CEHNC OE Technical Project Manager and evaluate their appropriateness based upon their merit and the requirements of the SOW. The Contractor shall issue to the OE Technical Project Manager a formal, annotated response to each comment IAW the established schedule in this SOW. In the event the Contractor does not concur with a comment, the issue shall be discussed with the CEHNC OE, Technical PM. If the OE Technical PM is not available, then the Contractor shall contact the Lead Technical Engineer.

4.5 Identification of Responsible Personnel

Each report shall identify the specific members and title of the Contractor's staff and subcontractors that had significant and specific input into the reports' preparation or review.

4.6 Public Affairs

The Contractor shall not publicly disclose any data generated or reviewed under this contract. The Contractor shall refer all requests for information concerning site conditions to the CEHNC OE Technical Project Manager. Reports and data generated under this contract are the property of the DoD and distribution to any other source by the Contractor is prohibited, unless authorized by the Contracting Officer.

4.7 Submittals

The contractor shall submit copies of the plans, maps, and reports as identified in paragraph 4.8, or as specified in this SOW, to each addressee listed below in the quantities indicated. The Contractor shall submit 1 copy on CD with each copy of the Final versions of all submittals (WPs, Reports, Plans, etc) IAW section 4.2. The Contractor shall submit 1 copy on CD of the Final Versions of all submittals (WPs, Reports, Plans, etc) IAW section 4.3. For purposes of the SOW all days are considered calendar days.

ADDRESSEE**COPIES**

US Army Engineering and Support Center, Huntsville
ATTN: CEHNC-OE-DC (Mr. Jerry Kresge)
PO BOX 1600
Huntsville, Alabama 35807-4301

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Commander
US Army District, New York
Attn CENAN-PP-E (Mr. Constancio Labeste)
26 Federal Plaza
Room 1811
NW, NW 10278

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4.8 Submittals and Due Dates:**SUBMITTAL****DUE DATES**

ASSHP	10 days prior to site visit
Draft ESS	TBD
Final ESS	14 days after receipt of comments
Proposed schedule	7 days after award
Draft Type II Work Plan	TBD
Final Type II Work Plan	14 days after receipt of comments
Draft Removal Report	30 days after completion of field work
Draft Final Removal Report	14 days after receipt of comments
Final Removal Report	14 days after receipt of comments

5.0 REFERENCES:

References are contained in the basic contract. Below are references that are not in the basic contract.

5.1 Federal Acquisition Regulation (FAR) Clause 52.236.13, Accident Prevention

5.2 Camp Hero EE/CA

5.3 Camp Hero EE/CA Work Plan

5.4 Camp Here Action Memorandum

5.5 Data Item Descriptions

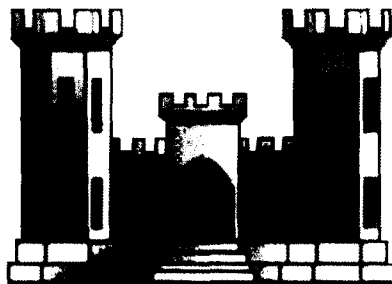
The Data Item Descriptions (DID) are part of the basic contract and are available at the following

URL: <http://www.hnd.usace.army.mil/oew/dids.asp>

APPENDIX B
SITE MAPS
FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



**GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York**

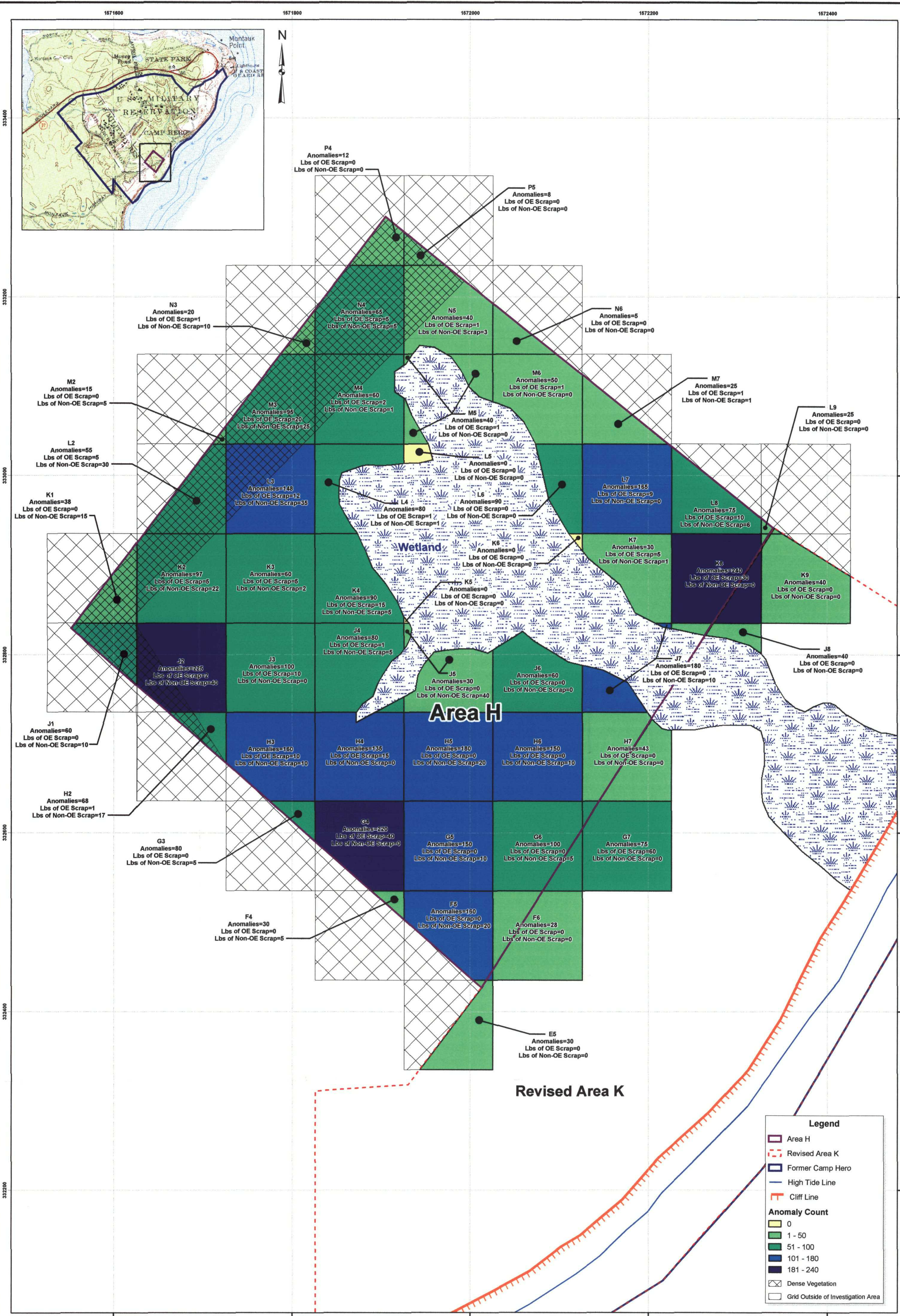
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Task Order: 0024

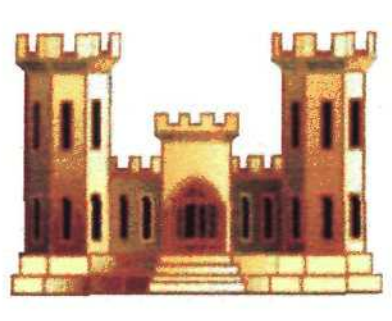
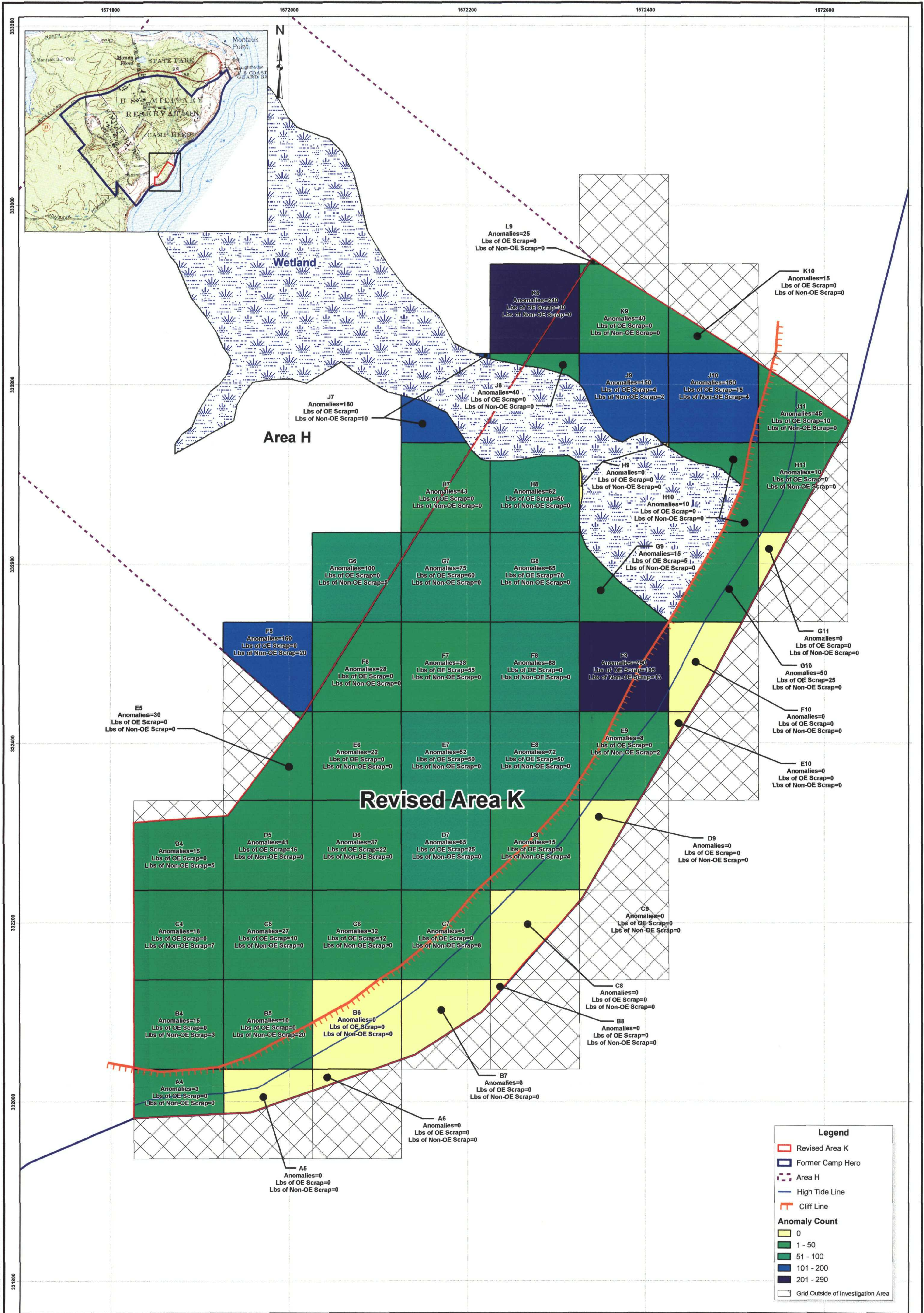
Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

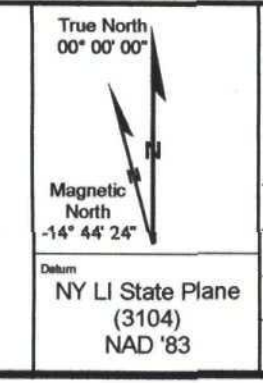
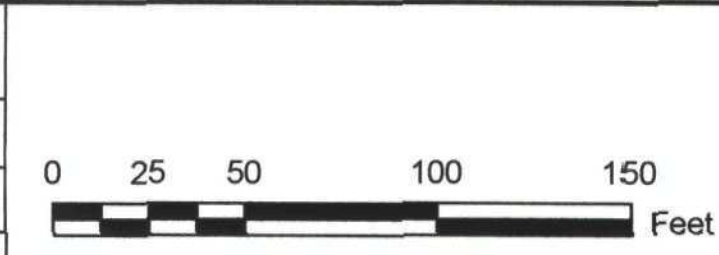
April 2004





US Army Engineering
and Support Center
Huntsville, Alabama

MAP TITLE MAP 1: AREA K - OE REMOVAL ACTION RESULTS	
PROJECT TITLE OE ENGINEERING REMOVAL ACTION	
PROJECT LOCATION FORMER CAMP HERO, MONTAUK, NEW YORK	
CLIENT U.S. ARMY ENGINEERING & SUPPORT CENTER, HUNTSVILLE, AL	
CONTRACT NUMBER DACA87-00-D-0037	TASK ORDER # 0024



EODT
EOD TECHNOLOGY, INC.

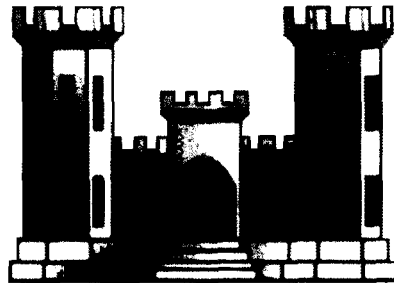
EOD Technology, Inc.
2229 Old Highway 95
Lenoir City, TN 37771
PH 865-988-6063, Fax 6067

APPENDIX C
DAILY SUXOS LOG

FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York

Contract: DACA87-00-D-0037
Task Order: 0024

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004

EODT Senior UXO Supervisor Daily Log

Date	Time	Event
8-11-03	0730	We arrive on site and meet Mr. Dess and survey team. Mr. Holland arrives at 0900.
	1230	Chow time. From 0730 till 1230 the clearance area identified, roads blocked, team equipped and brief and team assignments in action.
		We discuss grubbing options with Mr Dess through the corp rep. Mr. Dess would like to have some foliage remain but isn't hard over on the issue.
	1300	Survey team has all corners of clearance area in and working grid corner stakes. Numerous incursions by fisherman and surfers have been occurring. Barricades are no deterrent. We're asked to come up with a better keep out sign.
	1700	Team packing up to drop trailer off in secure area; We have a shopping list for numerous items the main thing being a printer since the one we brought is T/U. Team wants some arrangement for hotel times on days we're not in hotel and to not double up. Rental car issues for Leonard and Keller. I need to talk to Terry about it. Problems include lack of equipment to grub area K and too little equipment to grub area H. Misrepresentation of the amount of grubbing to be done. Sporadic cell service should've been IDed on site visit. Complete lack of required services on this end of island. K-3500 truck overheats first thing in the morning, by lunch we determine it has a blown head gasket.
	1730	Depart area
8-12-03	0630	Continued ordnance avoidance ops for survey team. They will be done today including marking intersect lines of partial grids to serve as border for clearance area.
	0730	4 people grubbing 2 with survey team. Scott leaves to see about getting truck fixed.
	0900	Scott returns, not a lot of luck with truck repair. I leave to buy numerous items including Bug repellent. Corp guy had to strip to get the thousands of ticks off him. One weed eater goes T/U, one left.
	1430	I return with all items, we have a printer. Major problem of area K unresolved. I will work on getting Bush Hog for area H tomorrow.
	1600	Team packs up trailer to take back to secure area.
	1630	Trailer secure, depart area. Approximately 4 grids in Area H have been grubbed by hand. Surveyors are done and we have their maps for reference.
8-13-03	0600	Met at trailer and loaded gear. Worked on grids in southwest side of area H. Worked on assessment and coordination for grubbing of area K. Bought bug repellent, tape, cups and water resupply

Date	Time	Event
	1230	Broke for chow; Couple stoppages to run off surfers and fisherman. Still waiting on decision about grubbing. Couple problem areas: Lack of accurate assessment of work required to enable clearance operation has led to delays in getting started in clearance operations. At least one more team to work this site would've assured it got completed in a timely manner. Hotel arrangements are inadequate. There's a per diem rate for this area and efforts to get team billeted correctly for the time period of op should be pursued up to that limit. Cell service coverage is making coordination efforts nearly impossible.
	1300	Team back to work grubbing and clearing grids. Mr. Dess asking state about grubbing area K.
	1600	Team stops to load equipment and transport it to trailer. Approximately 3 grids ready for QC/QA.
	1630	Left trailer compound for hotel. Two companies coming tomorrow to estimate clearing the rest of area H.
8-14-03	0600	Met at trailer, loaded gear, gave briefings, and proceeded to grids. Team under Jimmy Drake; worked partially grids in area H in Southwest corner. 150-200 anomalies per grid seems to be the average so far. 10-20 pounds of a combination of OE and Non OE scrap seem to be the norm.
	0800	I leave to buy parts to fix broken weed eater, 2-stroke oil, file for sharpening weed eater blade and more bug repellent, Checked on coordination of Hydro Axe. Trees by Jeff and Nu Green Landscaping are arriving to provide estimates on brush hawging area H.
	1200	Joe from Nu Green provides a \$1500.00 estimate and one day to do area H, Jeff quotes \$5500.00 and 2 days. We make arrangements with Joe for Monday.
	1230	Break for chow.
	1300	Start again. We have to stop a couple times in afternoon for low flying aircraft. Looks like a plane was circling taking video.
	1600	Stopped work to load equipment to take back to trailer.
	1630	Depart trailer. We're meeting Andy with the Hydro Axe at 0700 in the morning.
8-15-03	0200	Andy calls and says he has arrived and ask if our hotel has any rooms, he sleeps on the lowboy.
	0600	We meet Andy and take him to FCH. We unload the Hydro Axe and park the trailer.
	0630	After showing the operator the area he begins operating. There are a lot of large boulders sticking out of the ground and the operator does the best he can.
	0800	Most of wetlands is outlined by Hydro Axe and the shore side border is in.

Date	Time	Event
	1000	The Hydro Axe has about 30% of the work complete when it hits a large boulder and shears a blade off. The blade punched a hole in the .25" mower deck and just misses the cab. Operator is highly upset because he felt he was lied to about the type of terrain and vegetation. Says if he'd seen the area before he started he would have never taken job.
	1100	We finish loading Hydro Axe and call it quits for the day.
8-18-03	0600	Depart hotel for site. Team picks up gear at trailer; QC and I go set up barricades taken down for weekend.
	0635	Team starts sweep of high water mark to cliff face in area K. I leave to meet brush hog operator.
	0730	Ops continuing on beach brush off, loaded and started clearing brush on northwest side of area H. Schonstedt unusable on beach even at low setting. Whites are used but nicads have developed a memory and only last a couple hours. Approx. 10-20 anomalies per grid dug on beach. Mostly projectile frag, 3.5 rocket fins and lobster traps so far. Told Doug Royster we need the AA battery adapters for Whites or more nicad batteries by tomorrow.
	1230	Break for chow. About half beach area cleared. Brush Hog finish on West side of area H and moving to East side of area H and wetlands.
	1530	I meet Greg from Tree Hamptons for estimate on area K and partial clearance in area H (north border expansion). Greg will provide written estimate 0600 tomorrow.
	1615	Team packs up to go to trailer.
	1630	I'm finished with Tree Hampton walk around. Numerous incursions by public into area slow operations. Barricades don't seem to mean anything to most.
		Approximately 280 anomalies dug. High water mark to cliff face complete as well as draws coming down cliff face to shore line. Tomorrow we surface sweep high water mark to low tide. After that we move back up to area H. Wetlands area bigger than depicted on map. This is offset by the amount of heavy vegetation in area K. Water out at hotel, no shower again after work
8-19-03	0600	Started surface clearance of high water mark to low tide. Completed this area and the bluff face by 1000.
	1000	Moved up to area H southwest side completed mag and dig in this area. Moved over to southeast side of area H around 1400. Worked here till 1600.
	1600	Completed a total of 16 grids today. We'll be working on the North side of the road by midmorning. Haven't had much success finding anyone to tackle area K and complete it within our timeline. Had Mickey from Mickey's Landscaping do an estimate at 1300 today. \$35.00 dollars an hour per man, \$200.00 dollar flat rate for chipper and he couldn't guarantee when he'd get it done. Greg from Tree Hampton submitted his bid. I don't know the dollar

Date	Time	Event
		amount but he needed 4 days to do the work. Anyway, we're pressing on and I'll call Doug today to see where we're at with that. Webb Keller leaves tomorrow 1000 to catch his plane home. He goes to Iraq on the 24th.
8-20-03 through 8-29-03		Continued clearing grids and making arrangements for clearing area K. Jeff from Tree Hampton decided he could do the job in time. Mickey from Mickey's Landscaping couldn't complete task in time. Made arrangements with Jim Grimes from Grimes Landscaping to clean up Hydro Axe partial lanes. Start on 26 Aug and finished cleaning lanes by 27 Aug. Lanes looked excellent. Finished surface sweep only of lanes in area K west of wetlands. Completed sub-surface of area K east of wetlands. I received a tick bite that led to Lyme disease symptoms and am taking meds for it. Total of 48 grids complete QC/QA and another 18 worked in. Beach area F10 grid required extra efforts to clear because of density of scrap being found. 585 lbs of OE and Non OE scrap were removed from site. 29 Aug was spent replacing fencing, pulling signs down, preparing scrap barrels for transport, removing caution tape from access ways, preparing trailer for transport back to TN and paperwork. Demob completed on 30 Aug 2003.
12-08-03	2130	Arrived Montauk, NY
12-09-03	0700	Went to work site for walk around FAM
	0830	Handed out SSHP for viewing.
	0900	Began inventory.
	1000	Ceased inventory.
	1030	Began intrusive operations in Grids J-1 & J-2.
	1220	Lunch.
	1300	Returned to work.
	1420	Break.
	1440	Resumed dig operations.
	1610	Ceased intrusive operations: #Digs: 225 #OE: 0 #Non OE: 35. Completed Grids: J-2, J-1, K-1.
	1620	Removed barricades.
	1700	Secured for the day.
12-10-03	0645	Safety/weather briefs – cloudy, 37°.
	0720	Arrived site, tailgate briefs.
	0730	Calibrated Schonstedts – SAT.
	0745	Began clearance operations in K-2.
	0901	K-1, K-2 completed; break: #Non: 30, #OE: 5.
	0920	Began L-2 & L-3, M-2.

Date	Time	Event
	1210	Lunch – completed L-3, M-2, M-3.
	1245	Returned – wrote Grid Sheets.
	1310	Began clearance operations on Grid M-3, N-4, possible N-5.
	1430	Break.
	1450	Resumed operations.
	1600	Secured from Grid: @ 25% done on N-4/5.
	1605	Secured for the day.
12-11-03	0645	Safety/weather brief. Very windy, 50°, Rain.
	0705	Arrived site; began equipment prep.
	0720	Began operations on Grid N-4.
	0900	Break.
	0920	Went to fuel vehicles.
	1000	Returned – Raining very hard.
	1200	Secured for the day.
12-12-03	0645	Safety/weather brief: Sunny, cold, 37°.
	0700	Departed for the site.
	0720	Barricades placed; tailgate brief.
	0730	Began clearance operations on N-5.
	0900	Break – cold.
	1100	Lunch.
	1145	Completed admin paperwork.
	1210	Resumed grubbing operations.
	1530	Ceased grub operations.
	1600	Timesheets.
12-13-03		D. Fluharty UXOII
		N. Beers UXOII
		M. Rushwald UXOII
		D. Rooks UXOII
		S. Quigley UXOII
	0700	Safety/weather brief: Sunny, cold, windy, 30°.
	0800	Began grubbing operations.
	1200	Lunch.
	1230	Returned to work.
	1430	Ceased grub operations for the day.

Date	Time	Event
12-15-03		D. Fluharty UXOII
		N. Beers UXOII
		M. Rushwald UXOII
		D. Rooks UXOII
		S. Quigley UXOII
	0645	Safety/weather brief: raining sideways, 30°, windy.
	0713	Arrived site, began fence repair.
	0800	Began grub operations with tree service.
	0901	Stopped grubbing operations – began clearance operations in Area K.
	0940	Warming break - 0° with wind chill – 25 KTS.
	1000	Resumed operations.
	1100	Warmth break.
	1115	Resumed work.
	1210	Lunch.
	1240	Returned to grid.
	1400	Break.
	1415	Continued work.
	1530	Ceased intrusive operations. Completed Grids: C-5, C-6, D-5, D-6, D-7, F-6, H-7. #Digs: 225, #OE: 70, multiple hot rocks.
	1600	Secured for the day.
12-16-03		D. Fluharty UXOII
		N. Beers UXOII
		M. Rushwald UXOII
		D. Rooks UXOII
		S. Quigley UXOII
	0645	Safety/weather brief: clear, cold, 22°.
	0725	Arrived site, began intrusive operations – Grid E-8. Completed D-7.
	0930	Break.
	0950	Resumed – started Grids E-7, F-7.
	1310	Lunch.
	1340	Back at it.
	1450	Break.
	1500	Resumed work.
	1615	Ceased intrusive operations: Completed Grids E-7 & F-7; #Digs: 275, #OE: 160.
	1630	Secured for the day.

Date	Time	Event
12-17-03		D. Fluharty UXOII
		N. Beers UXOII
		M. Rushwald UXOII
		D. Rooks UXOII
		S. Quigley (UA?) UXOII
	0645	Safety/weather brief: cloudy, warm, 52°.
	0729	Arrived site, began clearance operations
	0940	Break.
	1000	Resumed operations in Grid G-7, completed F-6.
	1200	Lunch.
	1235	Returned to work: #Digs in F-6 = 65, #OE: 20; #Digs Grid G-7 = 75, #OE: 60.
	1433	Break – rain.
	1451	Returned.
	1600	Ceased intrusive operations; Grid G-8, #Digs: 65, #OE: 70.
12-18-03		D. Fluharty UXOII
		N. Beers (sick) UXOII
		M. Rushwald UXOII
		D. Rooks UXOII
		S. Quigley UXOII
	0645	Safety/weather brief: clear, cold, 31°/16° wind.
	0720	Arrived site; began Grid G-9.
	0830	Warmth break – completed G-9; 15 digs, #OE: 5.
	0840	Returned – started G-8, F-8.
	0945	Warmth break.
	1010	Resumed work.
	1200	Lunch.
	1238	Returned to Grid.
	1330	Warming break.
	1340	Returned to work.
12-19-03		D. Fluharty UXOII
		N. Beers UXOII
		M. Rushwald UXOII
	0645	Safety/weather brief: clear, cold, 17°.
	0715	Began fence removal.
	1000	Break.

Date	Time	Event
	1020	Resumed work.
	1200	Lunch.
	1230	Returned to fence.
	1430	Break.
	1450	Resumed.
	1610	Fence removed; road and track cleaned up.
	1630	Secured for the day.
12-22-03		D. Fluharty UXOII
		N. Beers UXOII
		M. Rushwald UXOII
	0645	Safety brief, cold, 29°F, windy.
	0700	Arrived site.
	0720	Calibrated Schonstedts.
	0730	Began clearance operations of final 4 grids.
	0930	Break.
	0945	Returned.
	1100	Completed Grids on 4 – Began QA.
	1200	Lunch.
	1230	Cleaned vehicles; final admin work.
	1630	Secured for the day.

APPENDIX D
GRID TRACKING LOG
FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



**GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York**

**Contract: DACA87-00-D-0037
Task Order: 0024**

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004

GRID / ORDNANCE TRACKING LOG
Former Camp HERO, Montauk, NY.
Contract Number: DACA87-97-D-0027 DO# 0024
Four Foot Sub-Surface OE Clearance/Surface OE Clearance

Grid Number	Date Grubbed	Date Cleared	Contacts or Digs	Qty	Item ID, "M" No. If Available	Condition	Filler	X (Feet)	Y (Feet)	Depth Inches	OE Scrap Pounds	#s Other Material	Demo Date	Soil Type	QC Date	QA Date
A4	N/A	8/19/2003	3								0	0		SA/CL	8/28/2003	8/28/2003
A5	N/A	8/19/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
A6	N/A	8/19/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
B4	N/A	12/10/2003	15								0	3		SA/CL	12/11/2003	12/11/2003
B5	N/A	8/19/2003	0								0	0		SA/CL	8/28/2003	8/28/2003
B5	N/A	12/10/2003	10								0	20		SA/CL	12/11/2003	12/11/2003
B6	N/A	8/19/2003	0								0	0		SA/CL	8/28/2003	8/28/2003
B6	N/A	12/10/2003	0								0	0		SA/CL	12/11/2003	12/11/2003
B7	N/A	8/19/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
B8	N/A	8/19/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
C4	N/A	12/10/2003	18								0	7		SA/CL	12/11/2003	12/11/2003
C5	N/A	12/15/2003	27								10	0		SA/CL	12/16/2003	12/16/2003
C6	N/A	8/19/2003	0								0	0		SA/CL	8/28/2003	8/28/2003
C6	N/A	12/15/2003	32								12	0		SA/CL	12/16/2003	12/16/2003
C7	N/A	8/19/2003	0								0	0		SA/CL	8/28/2003	8/28/2003
C7	N/A	12/10/2003	5								0	8		SA/CL	12/11/2003	12/11/2003
C8	N/A	8/19/2003	0								0	0		SA/CL	8/28/2003	8/28/2003
C9	N/A	8/18/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
D4	N/A	12/10/2003	15								0	5		SA/CL	12/11/2003	12/11/2003
D5	N/A	12/15/2003	41								16	0		SA/CL	12/16/2003	12/16/2003
D6	N/A	12/15/2003	37								22	0		SA/CL	12/16/2003	12/16/2003
D7	N/A	12/15/2003	65								25	0		SA/CL	12/16/2003	12/16/2003
D8	N/A	8/19/2003	5								0	0		SA/CL	8/28/2003	8/28/2003
D8	N/A	12/10/2003	10								0	4		SA/CL	12/11/2003	12/11/2003
D9	N/A	8/19/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
E10	N/A	8/19/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
E5	N/A	12/22/2003	30								0	0		SA/CL	12/22/2003	12/22/2003
E6	N/A	12/22/2003	22								0	0		SA/CL	12/22/2003	12/22/2003
E7	N/A	12/16/2003	52								50	0		SA/CL	12/17/2003	12/17/2003
E8	N/A	8/19/2003	0								0	0		SA/CL	8/28/2003	8/28/2003
E8	N/A	12/16/2003	72								50	0		SA/CL	12/17/2003	12/17/2003
E9	N/A	8/19/2003	0								0	0		SA/CL	8/28/2003	8/28/2003
E9	N/A	12/10/2003	8								0	2		SA/CL	12/11/2003	12/11/2003
F10	N/A	8/19/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
F4	8/12/2003	8/13/2003	30								0	5		SA/CL	8/26/2003	8/26/2003
F5	8/12/2003	8/13/2003	160								0	20		SA/CL	8/26/2003	8/26/2003
F6	N/A	12/15/2003	18								0	0		SA/CL	12/15/2003	12/15/2003
F6	N/A	8/14/2003	10								0	0		SA/CL	12/15/2003	12/15/2003
F7	N/A	12/16/2003	38								55	0		SA/CL	12/17/2003	12/17/2003
F8	N/A	12/22/2003	88								0	0		SA/CL	12/22/2003	12/22/2003
F9	N/A	12/10/2003	15								20	0		SA/CL	12/11/2003	12/11/2003
F9	N/A	8/28/2003	275								175	13		SA/CL	12/11/2003	12/11/2003
G10	N/A	8/28/2003	50								25	0		SA/CL	8/28/2003	8/28/2003
G11	N/A	8/19/2003	0								0	0		SA/CL	8/21/2003	8/21/2003
G3	8/12/2003	8/19/2003	80								0	5		SA/CL	8/26/2003	8/26/2003
G4	8/12/2003	8/19/2003	220								40	0		SA/CL	8/26/2003	8/26/2003
G5	8/12/2003	8/13/2003	150								0	10		SA/CL	8/26/2003	8/26/2003

GRID / ORDNANCE TRACKING LOG
Former Camp HERO, Montauk, NY.
Contract Number: DACA87-97-D-0027 DO# 0024
Four Foot Sub-Surface OE Clearance/Surface OE Clearance

Grid Number	Date Grubbed	Date Cleared	Contacts or Digs	Qty	Item ID, "M" No. if Available	Condition	Filler	X (Feet)	Y (Feet)	Depth Inches	OE Scrap Pounds	#s Other Material	Demo Date	Soil Type	QC Date	QA Date
G6	8/12/2003	8/14/2003	100								0	5		SA/CL	8/26/2003	8/26/2003
G7	N/A	12/17/2003	75								60	0		SA/CL	12/18/2003	12/18/2003
G8	N/A	12/17/2003	65								70	0		SA/CL	12/18/2003	12/18/2003
G9	N/A	12/22/2003	15								5	0		SA/CL	12/22/2003	12/22/2003
H10	8/25/2003	8/18/2003	10								0	0		SA/CL	8/28/2003	8/28/2003
H11	N/A	8/19/2003	10								0	0		SA/CL	8/21/2003	8/21/2003
H2	N/A	12/10/2003	38								0	15		SA/CL	12/10/2003	12/10/2003
H2	N/A	8/21/2003	30								1	2		SA/CL	12/10/2003	12/10/2003
H3	8/18/2003	8/20/2003	160								10	10		SA/CL	8/26/2003	8/26/2003
H4	8/12/2003	8/13/2003	135								15	0		SA/CL	8/26/2003	8/26/2003
H5	8/12/2003	8/13/2003	180								0	20		SA/CL	8/26/2003	8/26/2003
H6	8/12/2003	8/14/2003	150								0	10		SA/CL	8/26/2003	8/26/2003
H7	N/A	12/15/2003	8								0	0		SA/CL	12/15/2003	12/15/2003
H7	8/12/2003	8/12/2003	35								0	0		SA/CL	12/15/2003	12/15/2003
H8	N/A	12/17/2003	62								50	0		SA/CL	12/17/2003	12/17/2003
H9	N/A	WetLands	N/A											SA/CL	N/A	N/A
J1	N/A	12/9/2003	60								0	10		SA/CL	12/10/2003	12/10/2003
J10	8/25/2003	8/26/2003	150								15	4		SA/CL	8/28/2003	8/28/2003
J11	N/A	8/19/2003	45								10	0		SA/CL	8/28/2003	8/28/2003
J2	N/A	12/9/2003	125								0	35		SA/CL	12/10/2003	12/10/2003
J2	N/A	8/21/2003	100								2	5		SA/CL	12/10/2003	12/10/2003
J3	8/18/2003	8/20/2003	100								10	0		SA/CL	8/26/2003	8/26/2003
J4	8/18/2003	8/21/2003	80								1	5		SA/CL	8/26/2003	8/26/2003
J5	8/12/2003	8/20/2003	30								0	40		SA/CL	8/26/2003	8/26/2003
J6	8/12/2003	8/14/2003	60								0	0		SA/CL	8/26/2003	8/26/2003
J7	8/12/2003	8/14/2003	180								0	10		SA/CL	8/26/2003	8/26/2003
J8	8/25/2003	8/26/2003	40								0	0		SA/CL	8/28/2003	8/28/2003
J9	8/25/2003	8/28/2003	150								4	2		SA/CL	8/28/2003	8/28/2003
K1	N/A	12/10/2003	38								0	15		SA/CL	12/10/2003	12/10/2003
K10	8/25/2003	8/26/2003	15								0	0		SA/CL	N/A	N/A
K2	N/A	8/20/2003	30								0	2		SA/CL	8/28/2003	8/28/2003
K2	N/A	12/10/2003	67								5	20		SA/CL	12/12/2003	12/12/2003
K3	8/18/2003	8/20/2003	60								5	2		SA/CL	8/26/2003	8/26/2003
K4	8/18/2003	8/21/2003	90								15	5		SA/CL	8/26/2003	8/26/2003
K5	N/A	WetLands	N/A											SA/CL	N/A	NA
K6	N/A	WetLands	N/A											SA/CL	N/A	NA
K7	8/18/2003	8/28/2003	30								5	1		SA/CL	8/28/2003	8/28/2003
K8	8/18/2003	8/20/2003	240								30	0		SA/CL	8/28/2003	8/28/2003
K9	8/25/2003	8/26/2003	40								0	0		SA/CL	8/28/2003	8/28/2003
L2	N/A	12/10/2003	55								5	30		SA/CL	12/12/2003	12/12/2003
L3	N/A	12/10/2003	68								10	30		SA/CL	12/12/2003	12/12/2003
L3	8/18/2003	12/10/2003	80								2	5		SA/CL	12/12/2003	12/12/2003
L4	8/18/2003	8/21/2003	80								1	1		SA/CL	8/26/2003	8/26/2003
L5	8/18/2003	8/26/2003	0								0	0		SA/CL	8/26/2003	8/26/2003
L6	8/18/2003	8/25/2003	90								0	0		SA/CL	8/26/2003	8/26/2003
L7	8/18/2003	8/25/2003	165								9	0		SA/CL	8/26/2003	8/26/2003
L8	8/18/2003	8/25/2003	75								10	6		SA/CL	8/26/2003	8/26/2003

GRID / ORDNANCE TRACKING LOG

Former Camp HERO, Montauk, NY.

Contract Number: DACA87-97-D-0027 DO# 0024

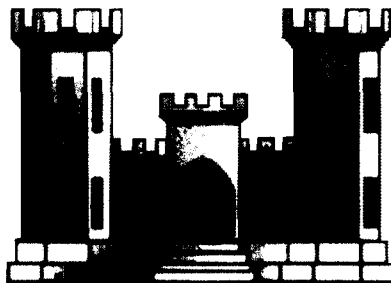
Four Foot Sub-Surface OE Clearance/Surface OE Clearance

Grid Number	Date Grubbed	Date Cleared	Contacts or Digs	Qty	Item ID, "M" No. If Available	Condition	Filler	X (Feet)	Y (Feet)	Depth Inches	OE Scrap Pounds	#s Other Material	Demo Date	Soil Type	QC Date	QA Date
L9	8/18/2003	8/26/2003	25								0	0		SA/CL	8/28/2003	8/28/2003
M2	N/A	12/11/2003	15								0	5		SA/CL	12/12/2003	12/12/2003
M3	N/A	12/10/2003	75								15	25		SA/CL	12/12/2003	12/12/2003
M3	N/A	8/25/2003	20								5	0		SA/CL	12/12/2003	12/12/2003
M4	N/A	8/25/2003	60								2	1		SA/CL	8/26/2003	8/26/2003
M5	8/18/2003	8/25/2003	40								1	0		SA/CL	8/26/2003	8/26/2003
M6	8/18/2003	8/26/2003	50								1	0		SA/CL	8/26/2003	8/26/2003
M7	8/18/2003	8/28/2003	25								1	1		SA/CL	8/28/2003	8/28/2003
N3	N/A	12/11/2003	20								1	10		SA/CL	12/12/2003	12/12/2003
N4	N/A	12/11/2003	65								5	5		SA/CL	12/12/2003	12/12/2003
N5	N/A	12/12/2003	30								1	3		SA/CL	12/12/2003	12/12/2003
N5	N/A	8/25/2003	10								0	0		SA/CL	12/12/2003	12/12/2003
N6	N/A	12/12/2003	5								0	0		SA/CL	12/12/2003	12/12/2003
N6	N/A	8/26/2003	0								0	0		SA/CL	12/12/2003	12/12/2003
P4	N/A	12/12/2003	12								0	0		SA/CL	12/12/2003	12/12/2003
P5	N/A	12/12/2003	8								0	0		SA/CL	12/12/2003	12/12/2003
TOTAL:			5,477	0					AVG:		882	442				

APPENDIX E
QUALITY CONTROL (QC) AND
QUALITY ASSURANCE (QA)
FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York

Contract: DACA87-00-D-0037
Task Order: 0024

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004



APPENDIX E QUALITY CONTROL AND QUALITY ASSURANCE

1.0 QUALITY CONTROL LOG

1.1 21 August 2003

The following grids passed visual and magnetic QA inspection: A5, A6, B7, B8, C9, D9, E10, F10, G11, H11.

1.2 28 August 2003

The following grids passed visual and magnetic QA inspection: A4, C8, L9, M7, K7, K9, K10, J8, J9, J10, J11, H10, G10, E9, B5, B6, C6, C7, D8, E8, J9.

1.3 10 December 2003

The following grids passed visual and magnetic QA inspection: H2, J2, J1, K1.

1.4 11 December 2003

The following grids passed visual and magnetic QA inspection: B4, B5, B6, C4, C7, D4, D8, E9, F9.

1.5 12 December 2003

The following grids passed visual and magnetic QA inspection: K2, L2, L3, M2, M3, N3, N4, N5, N6, P4, P5.

1.6 15 December 2003

The following grids passed visual and magnetic QA inspection: F6, H7.

1.7 16 December 2003

The following grids passed visual and magnetic QA inspection: C5, C6, D5, D6, D7.

1.8 17 December 2003

The following grids passed visual and magnetic QA inspection: F7, E7, E8.

1.9 22 December 2003

The following grids have passed visual and magnetic QA inspection: E5, E6, F8, G9.

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVES GROUP

MEMO

TO	DATE	TIME
EOD T	28 August 2003	1530

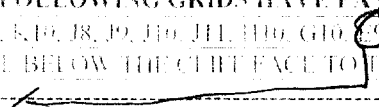
Contract Number
DACA87-00-D-0037

Project Location
CAMP HERO, MONTAUK
NEW YORK

DO #: 0003

0024

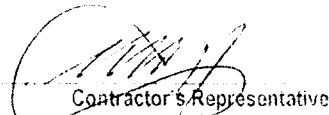
SUBJECT ITEMS	(CHECK ALL THAT APPLY)
Work Plan	<input checked="" type="checkbox"/> Quality Control
Safety Violation	<input type="checkbox"/> Other
Safety Comments	

DESCRIPTION THE FOLLOWING GRIDS HAVE PASSED Q.A. INSPECTION:
M, C, S, D, A, T, K, L, K, S, K, R, D, J, R, J, D, J, L, H, G, I, O, E, G. THE FOLLOWING GRIDS
HAVE PASSED QA ON THE BELOW THE CLIFF FACE TO THE LOW WATERLINE ONLY:
S, B, C, G, H, D, S, L, S, P. 

Prompt correction or compliance with contract specifications is requested


USACE Site Representative

RECEIPT ACKNOWLEDGED:


Contractor's Representative

ACTION TAKEN

E9 is partial and clear below cliff line
why

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVES GROUP

MEMO

TO EODT	DATE 21 August 2003	TIME 1530
Contract Number DACA87-00-D-0037	Project Location CAMP HERO, MONTAUK NEW YORK	
DO #: 0001		

0024

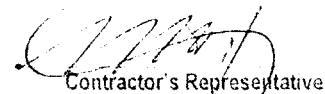
SUBJECT ITEMS	(CHECK ALL THAT APPLY)
Work Plan	<input checked="" type="checkbox"/> Quality Control
Safety Violation	<input type="checkbox"/> Other
Safety Comments	

DESCRIPTION: THE FOLLOWING GRIDS HAVE PASSED Q.A. INSPECTION:

* Prompt correction or compliance with contract specifications is requested


USACE Site Representative

RECEIPT ACKNOWLEDGED:


Contractor's Representative

ACTION TAKEN

U.S. ARMY ENGINEERING AND SUPPORT CENTER, HUNTSVILLE
ORDNANCE AND EXPLOSIVES GROUP

MEMO

TO	DATE:	TIME
EOD T	26 August 2003	1530

Contract Number
DACA87-00-D-0037

Project Location:
CAMP HERO, MONTAUK
NEW YORK

DO #: 0002

0024

SUBJECT ITEMS (CHECK ALL THAT APPLY)

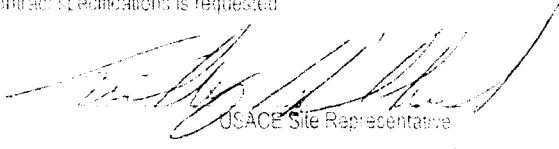
Work Plan ☒ Quality Control

Safety Violation ☐ Other

Safety Comments

DESCRIPTION THE FOLLOWING GRIDS HAVE PASSED Q.A. INSPECTION:

Formal correction or compliance with contract specifications is requested


USACE Site Representative

RECEIPT ACKNOWLEDGED


Contractor's Representative

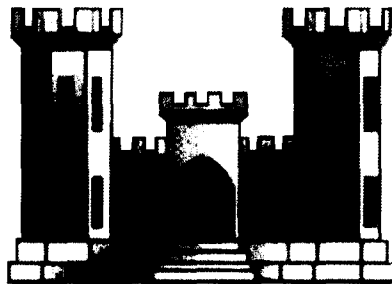
ACTION TAKEN

APPENDIX F
DEMOLITION SHOT RECORDS

FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York

Contract: DACA87-00-D-0037
Task Order: 0024

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004

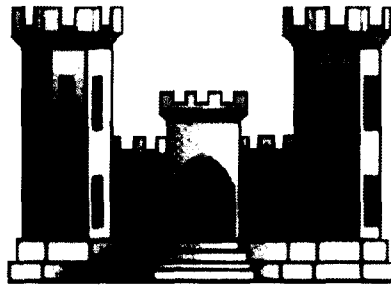
APPENDIX F DEMO SHOT RECORDS

No demolition shots were performed during the Removal Action field investigation.

APPENDIX G
SCRAP TURN-IN DOCUMENTATION
FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



**GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York**

**Contract: DACA87-00-D-0037
Task Order: 0024**

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004

***Final Report for the
OE Engineering Removal Action
Former Camp Hero, Montauk, New York***



—PSC METALS, INC.—

WEIGHMASTER SIGNATURE

CUSTOMER SIGNATURE

[illegible]

DD FORM 1348-1A

ORS AND NON-ORS INSPECTION, CERTIFICATION AND CHAIN OF CUSTODY FORM

Project Location: Former Camp Hero, Montauk, NY			Contract No: DACA 87-00-D-0037		DO No: 0024	Page 1 of 1
Line	Description	Source (eg., Grid or Range Identifier)	Container/Serial Number	Container Type	Unit WT/Vol	
1	OR RELATED SCRAP STEEL	AREAS G AND H	FCH-002	55 gal drum	30 pounds	
2	*****	NOTHING	FOLLOWS	*****	*****	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Inspector's certification: I certify that the items or items listed hereon have been inspected by me and to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/Typed Name: James Drake	Signature: <i>James Drake</i>	Date: 12/22/2003
---------------------------------	-------------------------------	------------------

QCS certification: I certify that the items or items listed hereon have been inspected by me and to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/Typed Name: Dave Hendrickson	Signature: <i>D. Hendrickson</i>	Date: 12/22/03
--------------------------------------	----------------------------------	----------------

Transporter(s)	Transporter 1: Acknowledgement of materials properly sealed/secured		
	Printed/Typed Name: <i>JAMES DRAKE</i>	Signature: <i>James Drake</i>	Date: 12/22/03
	Transporter 2: Acknowledgement of materials properly sealed/secured		
Final Disposition	Printed/Typed Name: <i>SCOTT WARDIE</i>	Signature: <i>Scott Wardie</i>	Date: <i>1/1/04</i>
	Facility owner or operator: Certification of receipt of ORS/Non-Ors materials, except as noted above. Acknowledgement of materials properly sealed/secured.		
	Printed/Typed Name: <i>Christopher J. Cook</i>	Signature: <i>Christopher J. Cook</i>	Date: <i>1/1/04</i>

Ors/Non-Ors Chain of Custody

Rev 0 10/03

[illegible]

DD FORM 1348-1A

ORS AND NON-ORS INSPECTION, CERTIFICATION AND CHAIN OF CUSTODY FORM

Project Location: Former Camp Hero, Montauk, NY			Contract No. DACA 87-00-D-0037		DO No. 0024	Page 1 of 1
Line	Description	Source (eg., Grid or Range Identifier)	Container/Serial Number	Container Type	Unit WT/Vol.	
1	ORS Scrap	Former Camp Hero	FCH-001	55 gal drum	750	
2	-----Nothing Follows-----					
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Inspector's certification: I certify that the items or items listed hereon have been inspected by me and to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/Typed Name: James Drake	Signature: <i>James Drake</i>	Date: 8/24/03
---------------------------------	-------------------------------	---------------

QCS certification: I certify that the items or items listed hereon have been inspected by me and to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/Typed Name: Scott Wardle	Signature: <i>Scott Wardle</i>	Date: 8/24/03
----------------------------------	--------------------------------	---------------

Transporter(s)	Transporter 1: Acknowledgement of materials properly sealed/secured		
	Printed/Typed Name: Scott Wardle	Signature: <i>Scott Wardle</i>	Date: 8/24/03
	Transporter 2: Acknowledgement of materials properly sealed/secured		
Final Disposition	Printed/Typed Name: <i>Scott Wardle</i>	Signature: <i>Scott Wardle</i>	Date: 1/13/04
	Facility owner or operator: Certification of receipt of ORS/Non-Ors materials except as noted above. Acknowledgement of materials properly sealed/secured		
	Printed/Typed Name: <i>Christopher A. Cook</i>	Signature: <i>Christopher A. Cook</i>	Date: 1/13/04

Ors/Non-Ors Chain of Custody

Rev 0 10/03

***Final Report for the
OE Engineering Removal Action
Former Camp Hero, Montauk, New York***



—PSC METALS, INC.—

[illegible]

WEIGHMASTER SIGNATURE _____

CUSTOMER SIGNATURE _____

[illegible]

DD FORM 1348-1A

ORS AND NON-ORS INSPECTION, CERTIFICATION AND CHAIN OF CUSTODY FORM

Project Location: Former Camp Hero, Montauk, NY		Contract No: DACA 87-00-D-0037		DO No 0024	Page 1 of 1
Line	Description	Source (eg., Grid or Range Identifier)	Container/Serial Number	Container Type	Unit WT/Vol.
1	ORS Scrap	Former Camp Hero	FCH-001	55 gal drum	750
2	-----Nothing Follows-----				
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Inspector's certification: I certify that the items or items listed hereon have been inspected by me and to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/Typed Name: James Drake	Signature:	Date: 3/27/03
---------------------------------	------------	---------------

QCS certification: I certify that the items or items listed hereon have been inspected by me and to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/Typed Name: Scott Wardle	Signature:	Date: 3/27/03
----------------------------------	------------	---------------

Transporter(s)	Transporter 1: Acknowledgement of materials properly sealed/secured		
	Printed/Typed Name: Scott Wardle	Signature:	Date: 3/27/03
	Transporter 2: Acknowledgement of materials properly sealed/secured		
	Printed/Typed Name: Scott Wardle	Signature:	Date: 3/27/03
Final Disposition	Facility owner or operator: Certification of receipt of ORS/Non-Ors materials, except as noted above. Acknowledgement of materials properly sealed/secured		
	Printed/Typed Name: Christopher L Cook	Signature:	Date: 1/13/04

Ors/Non-Ors Chain of Custody

Rev 0 10/03

[illegible]

ORS AND NON-ORS INSPECTION, CERTIFICATION AND CHAIN OF CUSTODY FORM

Project Location: Former Camp Hero, Montauk, NY			Contract No. DACA 87-00-D-0037		DO No 0024	Page 1 of 1
Line	Description	Source (eg., Grid or Range Identifier)	Container/Serial Number	Container Type	Unit WT/Vol	
1	OR RELATED SCRAP STEEL	AREAS G AND H	FCH-002	55 gal drum	30 pounds	
2	*****	NOTHING	FOLLOWS	*****	*****	
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Inspector's certification: I certify that the items or items listed hereon have been inspected by me and to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/Typed Name: James Drake	Signature: <i>James Drake</i>	Date: 12/22/2003
---------------------------------	-------------------------------	------------------

QCS certification: I certify that the items or items listed hereon have been inspected by me and to the best of my knowledge and belief, contain no items of a dangerous or hazardous nature. I also certify that all items inspected were properly segregated and secured after inspection.

Printed/Typed Name: Dave Hendrickson	Signature: <i>D. Hendrickson</i>	Date: 12/22/03
--------------------------------------	----------------------------------	----------------

Transporter(s)	Transporter 1: Acknowledgement of materials properly sealed/secured				
	Printed/Typed Name	<i>James Drake</i>	Signature	<i>James Drake</i>	Date: 12/22/03
Final Disposition	Transporter 2: Acknowledgement of materials properly sealed/secured				
	Printed/Typed Name	<i>Scott Mardik</i>	Signature	<i>Scott Mardik</i>	Date: 1/13/04
Final Disposition	Facility owner or operator. Certification of receipt of ORS/Non-Ors materials, except as noted above. Acknowledgement of materials properly sealed/secured				
	Printed/Typed Name	<i>Christopher A. Cook</i>	Signature	<i>Christopher A. Cook</i>	Date: 1/13/04

Ors/Non-Ors Chain of Custody

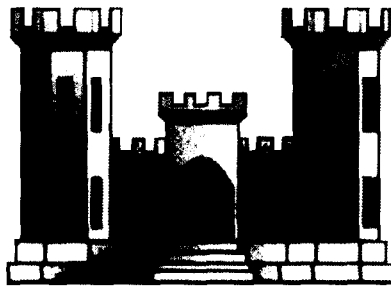
Rev 0 10/03

APPENDIX H SITE PHOTOS

**FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK**

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



**GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York**

**Contract: DACA87-00-D-0037
Task Order: 0024**

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004



Figure 1: Vegetation Removal in Area K



Figure 2: Wetland Area



Figure 3: Road between Areas H and K



Figure 4: Cleared vegetation in Area H



Figure 5: Snow fence removed at end of field work



Figure 6: Snow fence removed at end of field work



Figure 7: Example of vegetation in Area K



Figure 8: Vegetation removal in Area H



Figure 9: Thick vegetation in Area H



Figure 10: Thick vegetation in Area K



Figure 11: Area above bluff in Area K



Figure 12: Bluff leading down to beach



Figure 13: Bluff and beach area



Figure 14: Rock strewn beach area



Figure 15: Beach and bluff area



Figure 16: Thick vegetation looking from beach area



Figure 17: Tidal pool on beach



Figure 18: Beach area



Figure 19: Bluff and beach area



Figure 20: Bluff and beach area



Figure 21: Typical OE scrap found during field operations

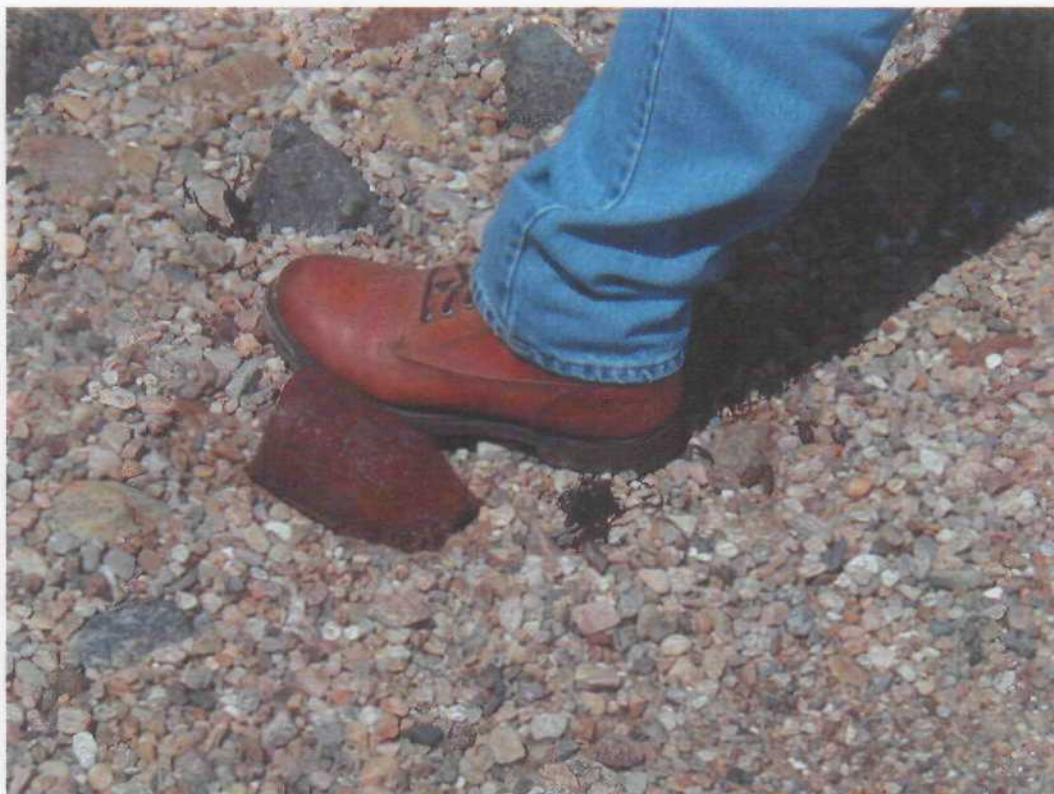


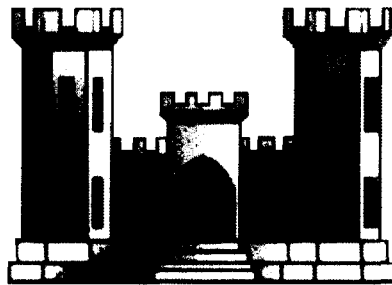
Figure 22: Typical OE scrap found during field operations

APPENDIX I PROVE-OUT DATA

FOR THE OE ENGINEERING REMOVAL ACTION FORMER CAMP HERO MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



**GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York**

**Contract: DACA87-00-D-0037
Task Order: 0024**

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004



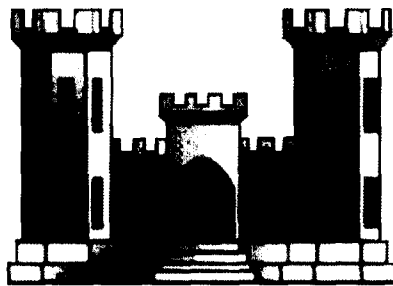
APPENDIX I PROVE-OUT DATA

Not applicable to this investigation.

APPENDIX J
GEOPHYSICAL MAPS
FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York

Contract: DACA87-00-D-0037
Task Order: 0024

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004



APPENDIX J GEOPHYSICAL MAPS

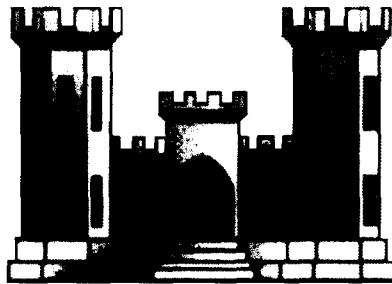
Not applicable to this investigation.

APPENDIX K ANALYTICAL DATA

FOR THE OE ENGINEERING REMOVAL ACTION FORMER CAMP HERO MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



**GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York**

**Contract: DACA87-00-D-0037
Task Order: 0024**

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004



APPENDIX K ANALYTICAL DATA

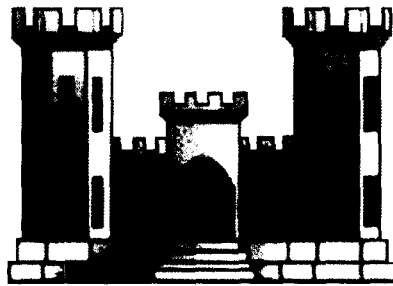
Not applicable to this investigation.

APPENDIX L
RECURRING REVIEW PLAN

FOR THE
OE ENGINEERING REMOVAL ACTION
FORMER CAMP HERO
MONTAUK, NEW YORK

Prepared for:

**U.S. ARMY ENGINEERING
& SUPPORT CENTER,
HUNTSVILLE, ALABAMA**



GEOPHYSICAL CORPS DISTRICT:
U.S. Army Engineering Division, New York

Contract: DACA87-00-D-0037
Task Order: 0024

Prepared By:



2229 Old Highway 95
Lenoir City, Tennessee 37771

April 2004

APPENDIX L RECURRING REVIEW PLAN

1.0 INTRODUCTION

EOD Technology, Inc. (EODT), under contract to the U.S. Army Engineering and Support Center, Huntsville (CEHNC), performed an Ordnance and Explosive (OE) Engineering Removal Action at the Former Camp Hero (FCH) for Area H and Revised Area K. The areas investigated consist of approximately 17 acres, two of which are wetlands.

2.0 SITE DESCRIPTION

The former Camp Hero consists of 468.69 acres located on the extreme eastern tip of the south fork of Long Island, Suffolk County, New York, approximately 5 miles east of the Village of Montauk. The Camp is bounded by Montauk Highway (Route 27) to the north, the Atlantic Ocean to the south, Montauk State Park to the east, and an undeveloped nature preserve owned by the state to the west. Main access to the site is from Route 27 and project Areas H and K are accessed via park roads.

The former Camp Hero was active from pre World War I through post World War II. The facility was closed in 1982, and site lands were transferred to state, local, and other federal agencies between 1974 and 1984. Reported pre World War I ordnance usage consisted of British and American warships practice-firing cannon balls into the Montauk Bluffs. Reported World War I and II ordnance usage consisted of practice-firing weapons over the water. These weapons included 105mm, .50-caliber anti-aircraft, 90mm, 120mm, and 3.5-inch rockets. Additionally, two M1903A2 6-inch shielded guns and four MKIIM1 16-inch casemated guns were installed at the former Camp Hero. It is not certain that the 6-inch and 16-inch guns were practice fired. If these guns were practice fired, it would have been over the water.

3.0 RECURRING REVIEW SCHEDULE

The recommended recurring review schedule should include the following: 1) Inspection of the beach and bluff area for OE items following major storm events; 2) Yearly contact with the Park Superintendent and a review of the Interim Management Plan for the Park. The Park Interim Management Plan is updated on an "as-needed" basis. The Plan review should be done to determine if any land use changes have been proposed. Land use changes should be evaluated to determine if additional OE investigations are needed. Only OE scrap was found during the removal action. No fused or live ordnance requiring demolition was found.

4.0 RECURRING REVIEW DOCUMENTS

The Montauk State Park Interim Management Plan should be reviewed for any changes in land use. The local police can also be contacted concerning any reports of found ordnance items that may not have been reported to the Park Superintendent.



5.0 NEW INFORMATION

Information concerning the site that may have developed since the completion of the removal action will most likely come from the Montauk State Park Superintendent. The Park Superintendent would be likely to be notified of any found OE items.

6.0 TERMINATION OF RECURRING REVIEW

It is recommended that yearly contact be maintained with the Park Superintendent concerning any OE items found or land use changes. The cost of performing the recurring review should be less than \$100, if the only task is to contact the Montauk Park Superintendent and local police and review the Interim Management Plan. If a trip to the site is required by EOD personnel, the cost of the recurring review would be approximately \$2,000.