

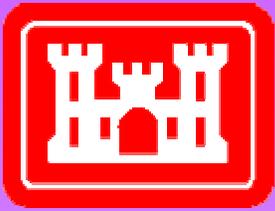


CAMP TARAWA 1943-1945

THE 2ND AND 5TH MARINE DIVISIONS

TRAINED HERE TO BRING PEACE

TO THE PACIFIC



**U.S. Army Corps
of Engineers**



Honolulu District

**Defense Environmental
Restoration Program -
Formerly Used Defense Sites
(DERP-FUDS)**

**PACIFIC OCEAN DIVISION,
HONOLULU DISTRICT**

**Former
Waikoloa Maneuver Area,
Waimea/Waikoloa,
Island of Hawai'i,
Hawai'i**

**RESTORATION
ADVISORY
BOARD
(RAB)**

Former Waikoloa Maneuver Area Background

- Encompasses over 123,000 acres
- Served as a training camp for 40,000 men
- Site used as artillery firing range and troop maneuvers
- DoD activities terminated in June 1946

CAMP TARAWA 1943-1945

THE 2ND AND 5TH MARINE DIVISIONS

TRAINED HERE TO BRING PEACE

TO THE PACIFIC

MEETING PURPOSE:

**To inform the RAB
and the public
of project progress
and planned activities**

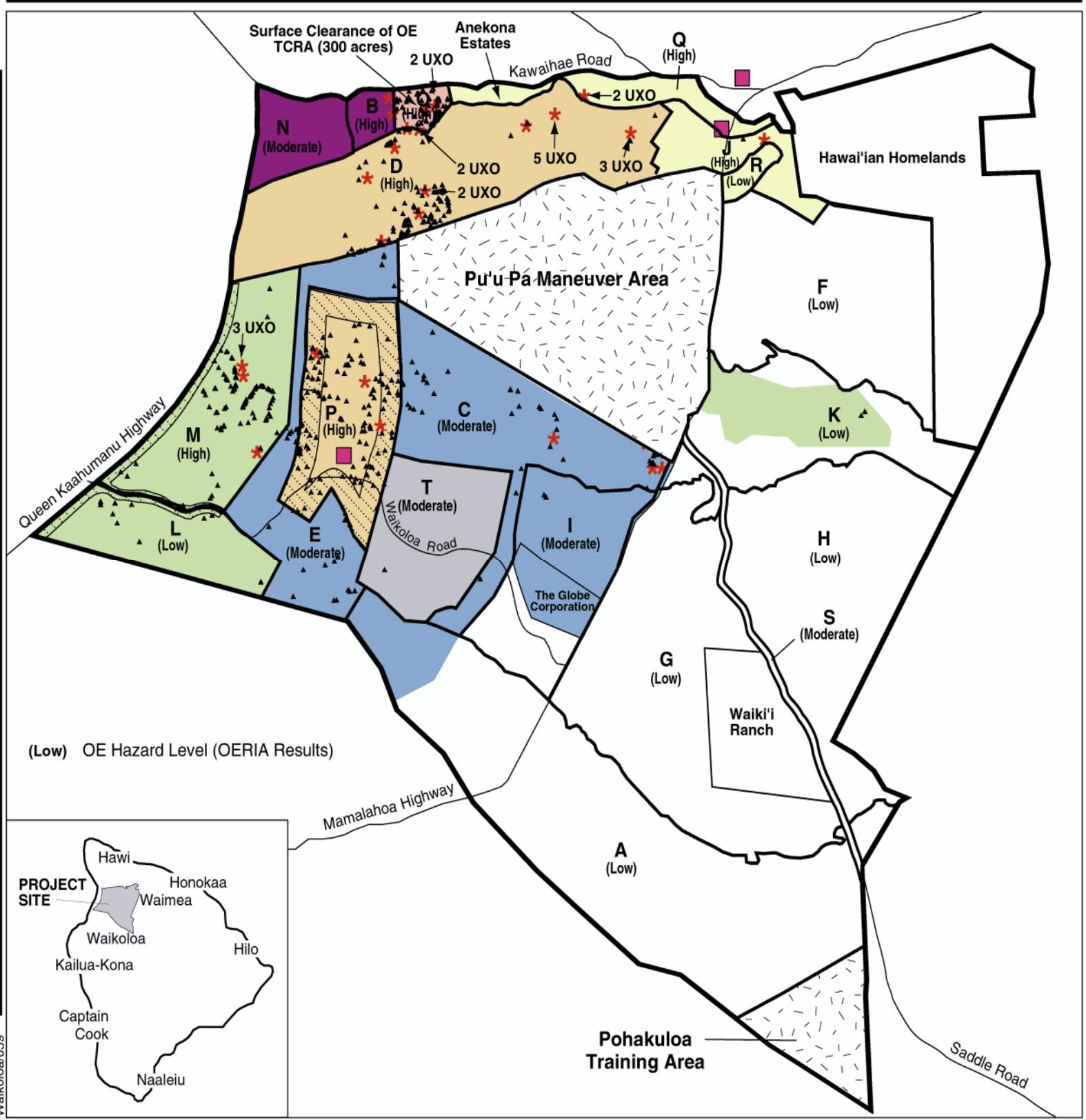
AGENDA SUMMARY:

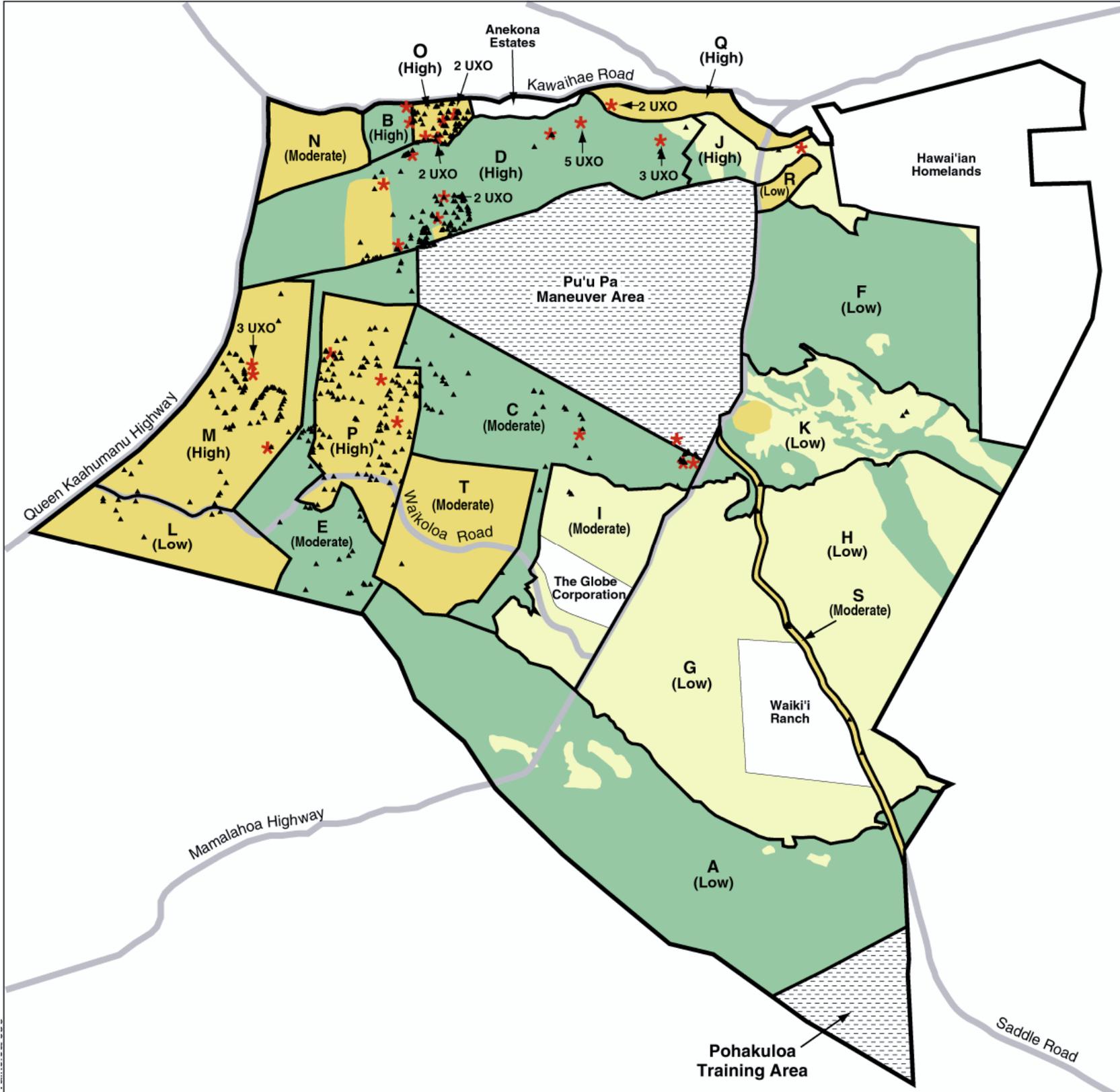
- 1. Review of completed and initiated project actions**
- 2. Discussion of institutional controls**
- 3. Discussion of ordnance safety construction support**
- 4. Discussion of status of ordnance clearance contract**
- 5. Discussion of planned project activities, scheduling, and future meetings**

EXPLANATION

-  Phase II EE/CA Project Boundary
-  Display case locations
-  UXO recovered during Phase II EE/CA
-  OE Scrap recovered during Phase II EE/CA
-  OERIA Area O (1,127 acres): Surface Clearance of OE Time Critical Removal Action (TCRA) for 300 acres. Surface Clearance of OE and Subsurface Clearance of OE to Depth of Detection.
-  OERIA Area P (4,507 acres): Surface Clearance of OE and Subsurface Clearance of OE to Depth of Detection (includes a 2,000-foot buffer area around the Waikoloa Village). Developed properties excluded.
-  OERIA Area J,Q,R (3,659 acres): Surface Clearance of OE and Subsurface Clearance of OE to Depth of Detection. Developed properties excluded.
-  OERIA Area D (8,130 acres): Surface Clearance of OE and Subsurface Clearance of OE to Depth of Detection.
-  OERIA Area B,N (1,896 acres): Surface Clearance of OE and Subsurface Clearance of OE to Depth of Detection.
-  OERIA Area M (4,972 acres): Surface Clearance of OE in areas to be disturbed and/or developed. Surface Clearance of OE in 500-foot buffer area along major roads.
-  OERIA Area L (3,080 acres): Surface Clearance of OE in areas to be disturbed and/or developed. Surface Clearance of OE in 500-foot buffer area along major roads.
-  OERIA Area T (3,824 acres): Surface Clearance of OE. Subsurface Clearance of OE to Depth of Detection in areas to be disturbed and/or developed.
-  OERIA Area A,C,E,I (14,332 acres): Surface Clearance of OE for 100 feet on either side of fences and in the vicinity of existing structures/facilities (e.g., corrals and holding pens). Subsurface Clearance of OE to Depth of Detection on unpaved roads.
-  OERIA Area K (2,262 acres): Surface Clearance of OE.
-  OERIA Area S (86 acres): Surface Clearance of OE on 40 feet of either side of paved road (highway easement).
-  Buffer Area

Note: Institutional controls are recommended for the entire Former Waikoloa Maneuver Area and Nansay Sites.





REVIEW OF COMPLETED PROJECT ACTIONS:

- **Preliminary Assessment- 1993**
- **Phase I Engineering Evaluation/Cost Analysis (EE/CA)- 1997-1999**
- **Phase II EE/CA- 1999-2002**
- **Time Critical Removal Action- 2001**
- **Phase III EE/CA- 2003-2005**
- **Ordnance Clearance Indefinite Quantity Contract (IDIQ)- 2002-2007**

OTHER PROJECT ACTIONS:

- **Production of public health and safety institutional controls- 2001-ongoing**
- **Ordnance safety construction support- 2002-ongoing**
- **Award of Task Order Number 0001 for ordnance clearance- March 2003**
- **Fieldwork for ordnance clearance- late 2003**

STATUS OF INSTITUTIONAL CONTROLS

- **Draft safety video completed**
- **School activity book, magnets, and bookmarks in production. Discussions with area schools to be initiated.**
- **Posters and brochures in production. Discussions with local merchants and officials to be initiated.**
- **Draft warning signs produced. Coordination with land owners to be completed**
- **Display cases awaiting discussions/materials from Army EOD**

STATUS OF CONSTRUCTION SUPPORT

- **Support completed at Waimea Middle School, 2002**
- **Preconstruction investigations completed for Parker Ranch/Shuler Homes construction, Waimea, March 2003**
- **Scheduled preconstruction survey for Waikoloa Village emergency access road, May 2003**
- **Preconstruction site evaluation, Department of Hawaiian Home Lands, Lalamilo, June-July 2003**

STATUS OF CONSTRUCTION SUPPORT

(cont.)

- **Ordnance escort support for USDA activities, 2002**
- **Communication initiated with State Department of Transportation for proposed road corridors, Kawaihae-Waimea, and Mamaloa-Queen Ka'ahumanu Highway**
- **Consultation with Hawaii State Department of Education**
- **Communication initiated with private developers for residential construction projects (primarily Waikoloa)**



Donaldson Enterprises, Inc.

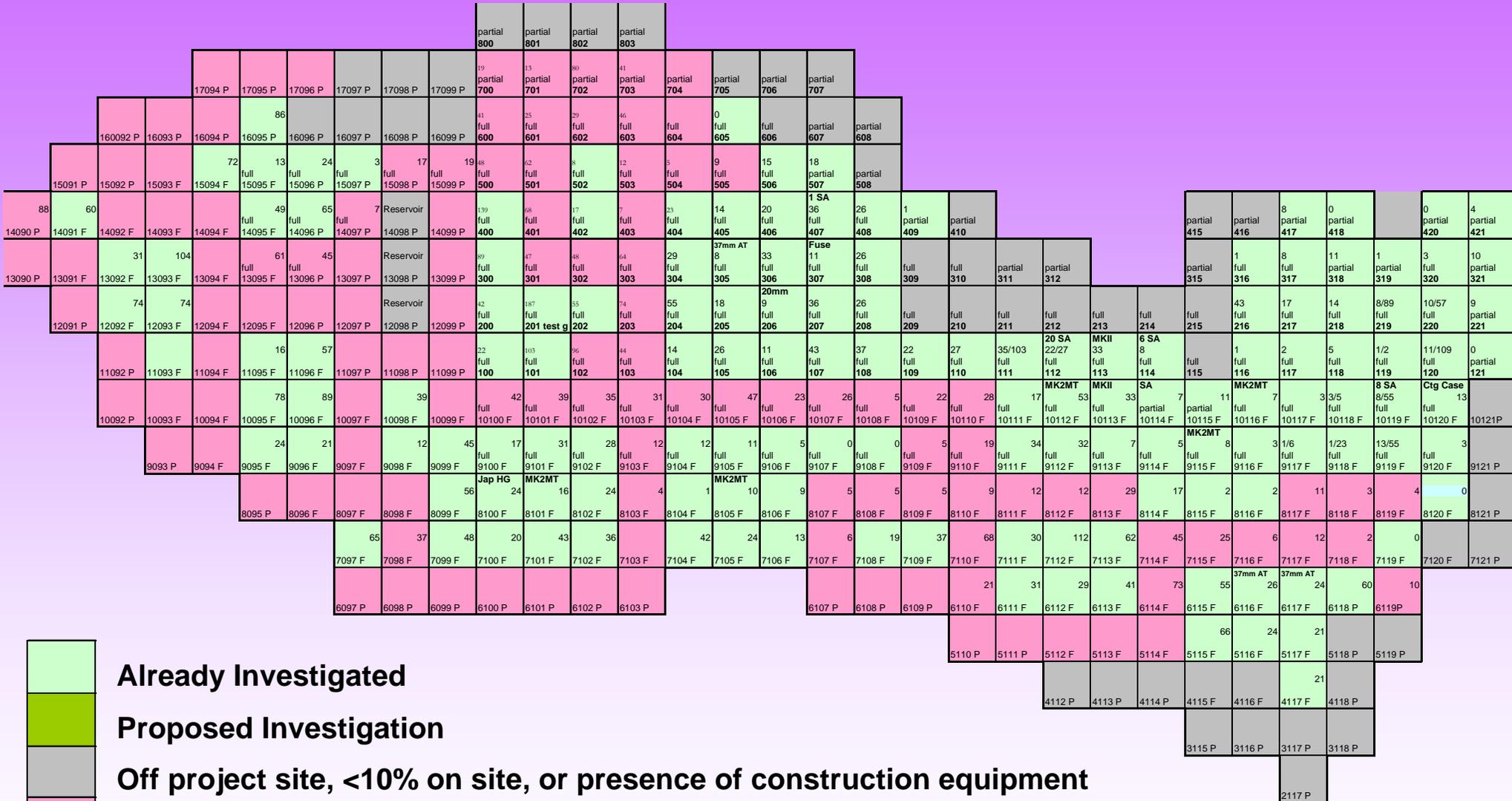


Ordnance Safety Construction Support Program





Project Base Map



Already Investigated

Proposed Investigation

Off project site, <10% on site, or presence of construction equipment

Not investigated due to sampling





Geophysical Locating



- “Mag and flag”
- 4 person crew
- 208 grids surveyed
- 28 days to complete
- 39 grids w/ >50 anomalies





Buried Pipelines





Anomaly Resolution



- 2-3 Person Dig Team
- 5746 Total Anomalies
- Dug 3250 Anomalies
- 4 Live Ordnance Items
- 10 Inert Ordnance Items
- Hundreds of small arms





Live UXO

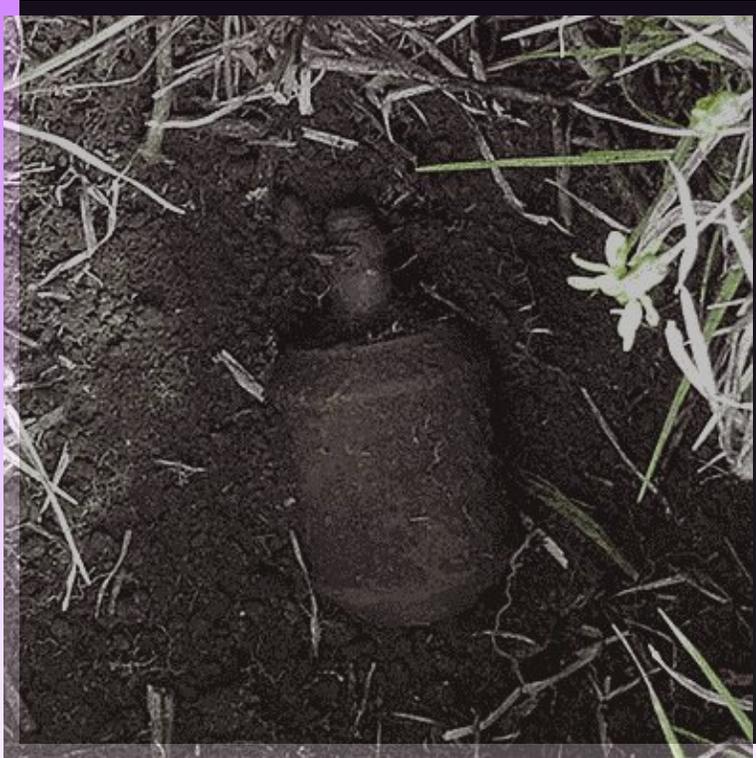


- Mark II Hand Grenade
- 2 Found
- Adjacent grids





Live UXO



- Japanese Type 97 Hand Grenade
- One Found





Live UXO



- 20mm HE Projectile
- One Found, unfired



Inert Ordnance



- MKII empty (5 found)
- 37mm AP (3 found)
- 75mm Ctg Case





Metal Scrap





American Technologies, Inc.



Ordnance and Explosives (OE) Removal Response Actions for Waikoloa Maneuver Area





Management Staff



Roger Van Huss

Pacific Rim Project Manager

Phone: (760) 386-2127

FAX: (760) 386-7149

American
Technologies, Inc.

Richard G. Wesner

Waikoloa Site Project Manager

Phone: (760) 386-2127

FAX: (760) 386-2127

American
Technologies, Inc.

Wayne Evans

ATI UXO Operations Manager

Phone: (865) 481-4844

(865) 482-2400

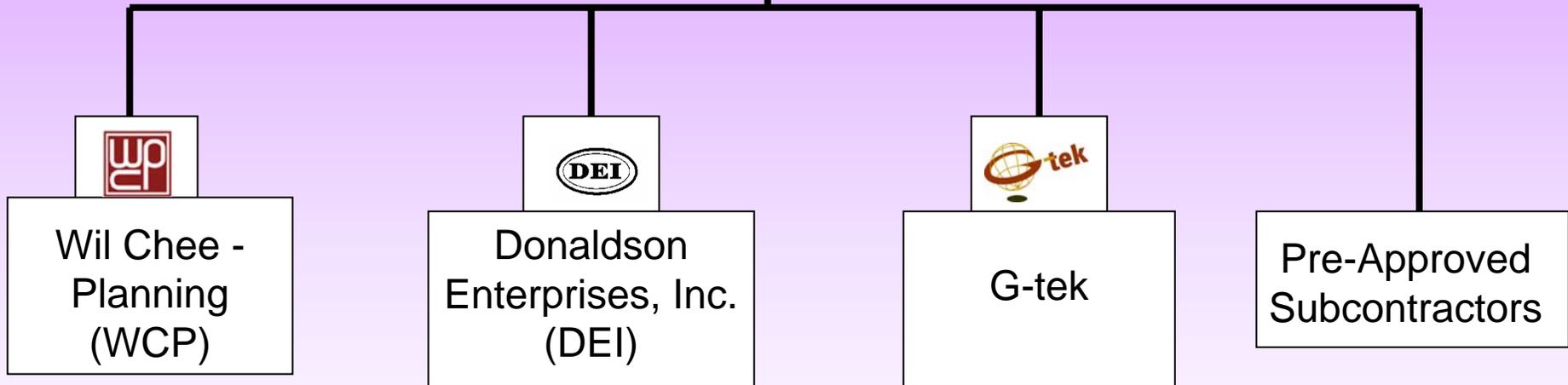
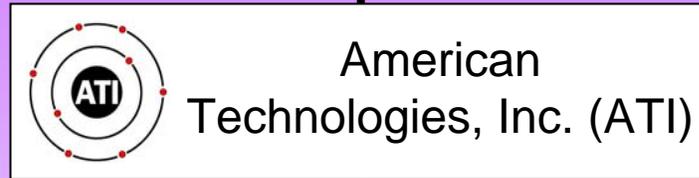
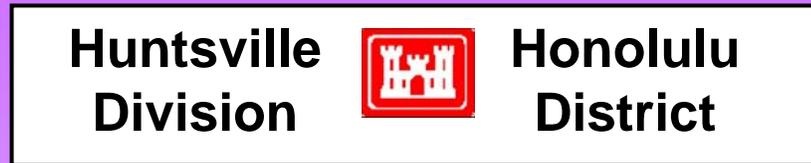
FAX: (865) 481-4850

American
Technologies, Inc.





Team Organizational Chart





ATI

American Technologies, Inc. (ATI), founded in 1990, is an award-winning Minority Owned, Small Business. The firm provides a complete compliment of environmental, engineering, remediation, facility management, Unexploded Ordnance / Ordnance and Explosives / Chemical Warfare Material (UXO / OE / CWM), and technical support services to major governmental and commercial clients throughout the U.S.

ATI's highly qualified staff is composed of more than 150 knowledgeable and experienced facility managers, engineers, scientists, UXO / OE / OEW specialists, and support personnel. Our UXO / OE / CWM personnel are registered at the U.S. Army Engineering Support Center in Huntsville, AL.





- With over 13 years of experience ATI offers a full range of unexploded ordnance / ordnance and explosives and Chemical Warfare Material (UXO / OE / CWM) services, from detection and identification, through removal and disposal.
- ATI is a major contributor to numerous full-scale site characterizations, risk assessments, remedial investigations, feasibility studies, remedial designs, engineering evaluations / Cost analysis (EE/CA) and corrective action management plans at sites throughout the US, US Virgin Islands, and Puerto Rico.
- Our highly skilled staff have extensive training in the safe detection, removal, and recovery of UXO on over 55 UXO Removal Actions Projects.





Scope of Work Task Requirements



TASK 1

Initial Site Visit
GPO Test Plots

- Coordination with local agencies.
- Local medical facility
- Local airport/FAA
- Address environmental concerns
- Endangered species
- Fire safety
- Potential Evacuations

TASK 2

Prepare OE Removal
Action Master Work
Plan

- Contractors methodology of accomplishing the tasks
- OE remediation of each sector
- Time requirements to complete each task
- Protection of wildlife (floras and fauna)

TASK 3

Surveying, Base
Mapping, GIS

- Establish a base mapping and master grid system
- Establish monuments

TASK 4 & 5

Perform Unexploded
Ordnance Removal

- Provide UXO personnel to perform detection, removal and disposal of all UXO located on selected parcels located in Sectors P and J.
 - Surface clearance of selected parcels
 - Brush clearance of selected parcels
 - Geophysical survey of selected parcels
 - Reacquire subsurface anomalies
 - Subsurface clearance of selected parcels

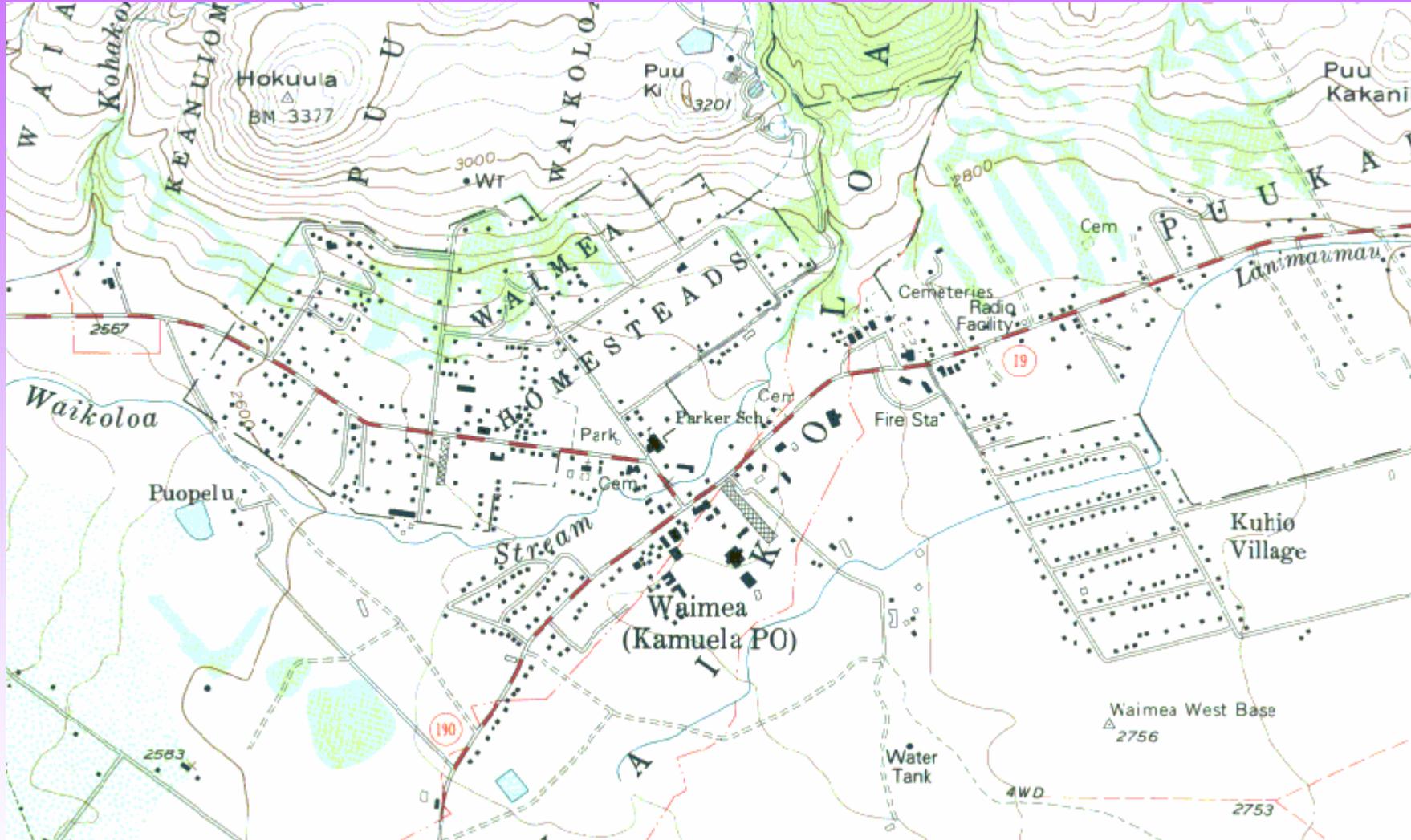
•Full time onsite archeologist

•ATI has coordinated with the Waimea Preservation Association





MAP SECTOR J





MAP SECTOR P





Contact Information



Mainland Office

American Technologies, Inc.
142 Fairbanks Road
Oak Ridge, TN 37803

Phone: (865) 481-4844
(865) 482-2400
FAX: (865) 481-4850

Honolulu Office

American Technologies, Inc.
765 Amana St. Suite 400
Honolulu, HI 96814

Phone: (###) ###-####
FAX: (###) ###-####

Hawaii ATI Office

68-1845 Waikoloa Road
Waikoloa, HI, 96838
Phone (###) ###-####
FAX (###) ###-####

