

Vieques Restoration Advisory Board Meeting Vieques Environmental Restoration Program Update

April 2011



Expanded Site Inspection (ESI)

UXO 15

Former Vieques Naval Training Range Vieques, Puerto Rico

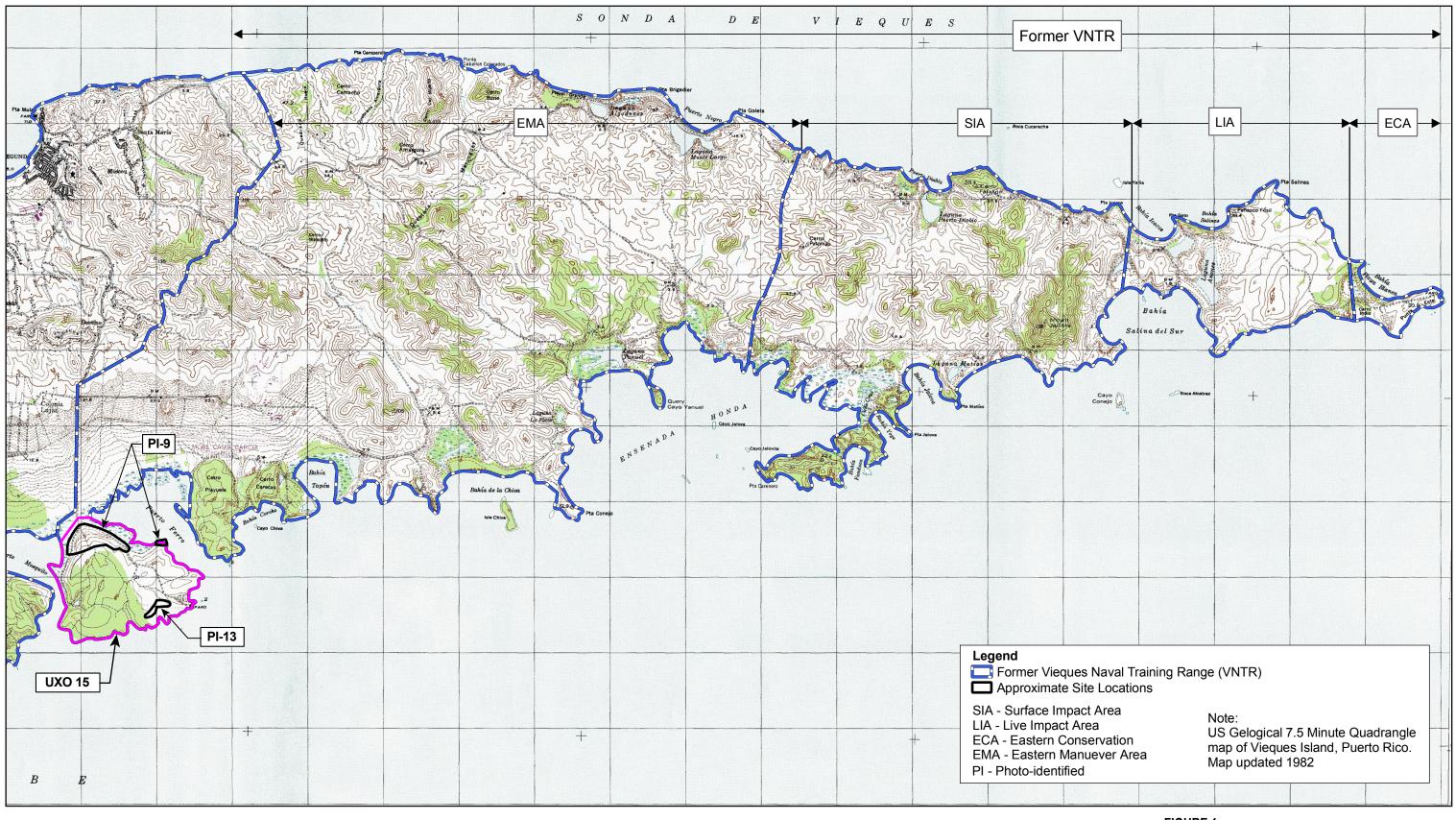


FIGURE 1
Former VNTR Site Location Map
UXO 15 - Expanded Site Inspection
Sampling and Analysis Plan
Vieques, Puerto Rico

8,000

Physical Setting and Historical Information



- Includes Photo-Identified (PI) sites 9 and 13
- Information regarding the site histories comes from interviews and aerial photographs
- PI 9
 - Potentially used for munitions storage and disposal
- PI 13
 - Potentially used as a firing point from which rocket-related ordnance was launched to the Live Impact Area (LIA) and Surface Impact Area (SIA)

Site Use



• PI 9

- Unlikely to have been used for munitions disposal and long-term storage
- Likely used as staging area for transporting munitions to the Eastern Maneuver area
- Debris present is likely the result of inadvertent and/or minor discarding of empty casings

• PI 13

 Unlikely to have been used as a firing point due to site location relative to public areas and Camp Garcia

Findings to Date



- No unexploded ordnance found on UXO 15
 - 5 debris piles consisting mainly of metallic debris, munitions debris, wood, concrete, miscellaneous trash
 - Several other isolated areas of non-munitions-related scrap metal and munitions debris
 - Several munitions debris (empty casings) just offshore that have been incorporated into the reef
 - One small arms item (50-caliber projectile)
- Aerial magnetometer survey identified two magnetic anomaly areas within PI 9 and PI 13
- Site visits have found no evidence of a firing point at PI 13

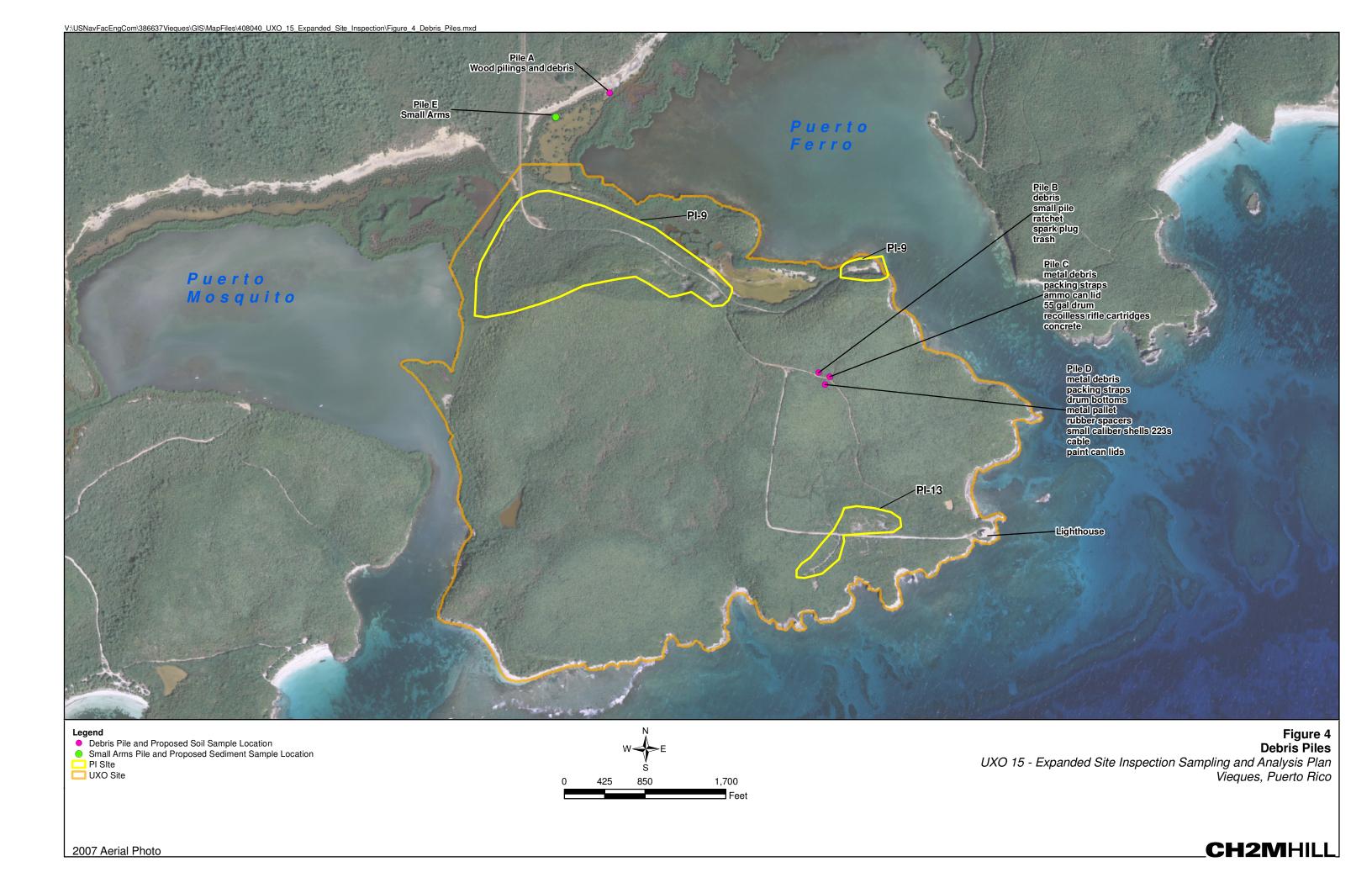




Figure 6 "Pile A" Wood pilings and debris



Figure 7 "Pile B" Trash



Figure 8 "Pile C" Empty 55 gallon drum and metal straps



Figure 9 "Pile C" Recoilless rifle cartridge and metal straps



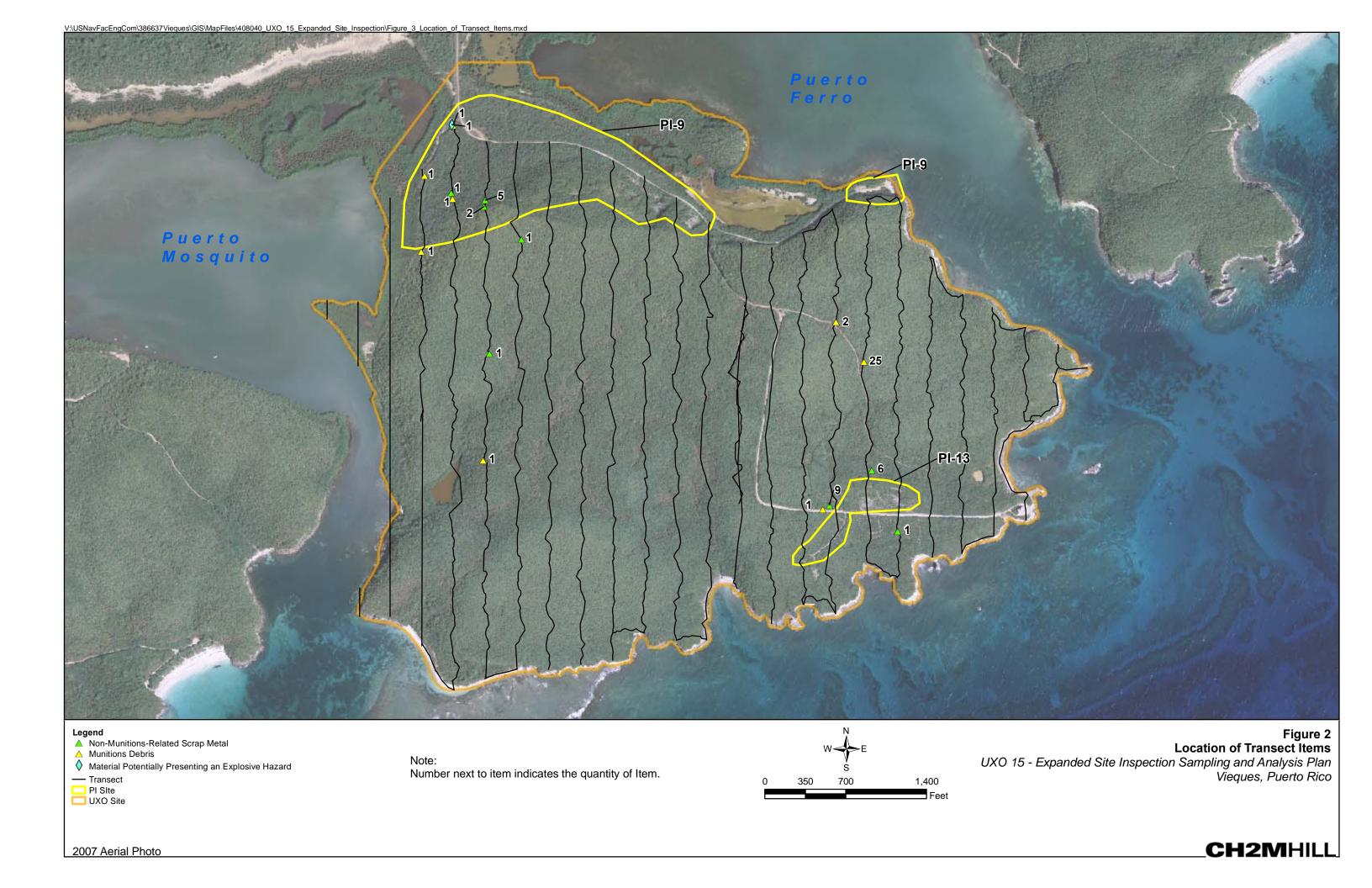
Figure 10 "Pile D" Metal straps

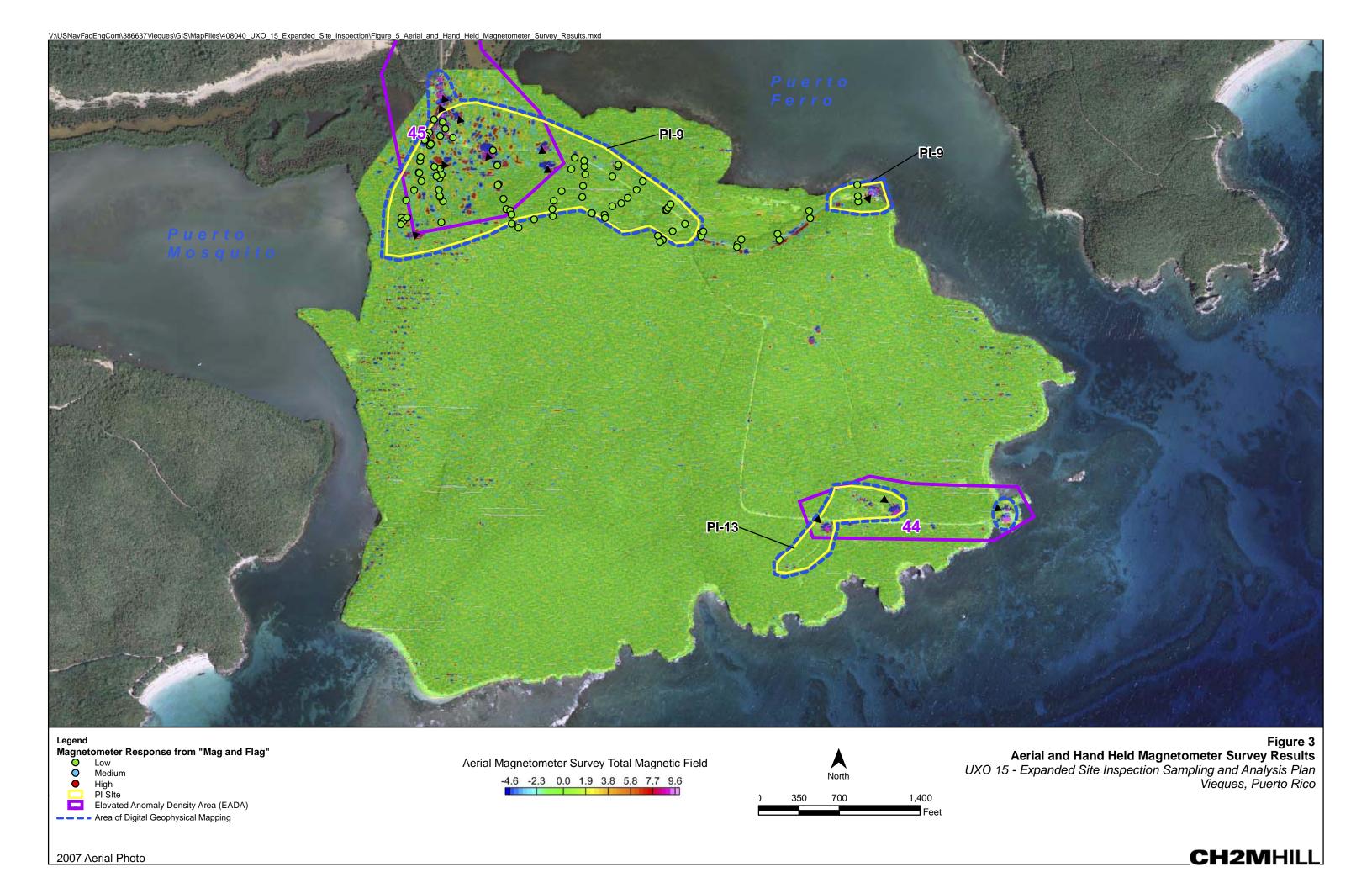


Figure 11 "Pile D" Small caliber empty shells with metal straps



Figure 12 "Pile E"





Study Approach



- Remove the debris piles and isolated munitions debris (potential sources of contamination)
- Collect soil samples beneath the debris piles to determine if contaminant releases have occurred
- Perform digital geophysical mapping (DGM) in the magnetic anomaly areas to determine if there are subsurface objects present
- Excavate subsurface objects to determine if there are munitions or explosives of concern (MEC) present
- Remove any man-made objects and collect additional soil samples if MEC is identified



QUESTIONS?