

Technical Memorandum

Date 19 August 2008
To Taku Gardens RPMs
From Terry Heikkila, PE
Subject Taku Gardens Geophysical Hot Spot Investigation Locations

The purpose of this technical memorandum is to identify which smaller geophysical anomalies located outside the larger Building 15/17, Building 22/24 and Sub Area D investigation areas will be investigated as part of the ongoing remedial investigation at Taku Gardens. These smaller anomalies fall into two categories: 1) anomalies with an EM-61 result greater than 75 mV, and 2) anomalies with an EM-61 result less than 75 mV. These anomalies will be investigated in accordance with Section 3.3.4 of the 2008 Drum and Debris Work Plan (Final).

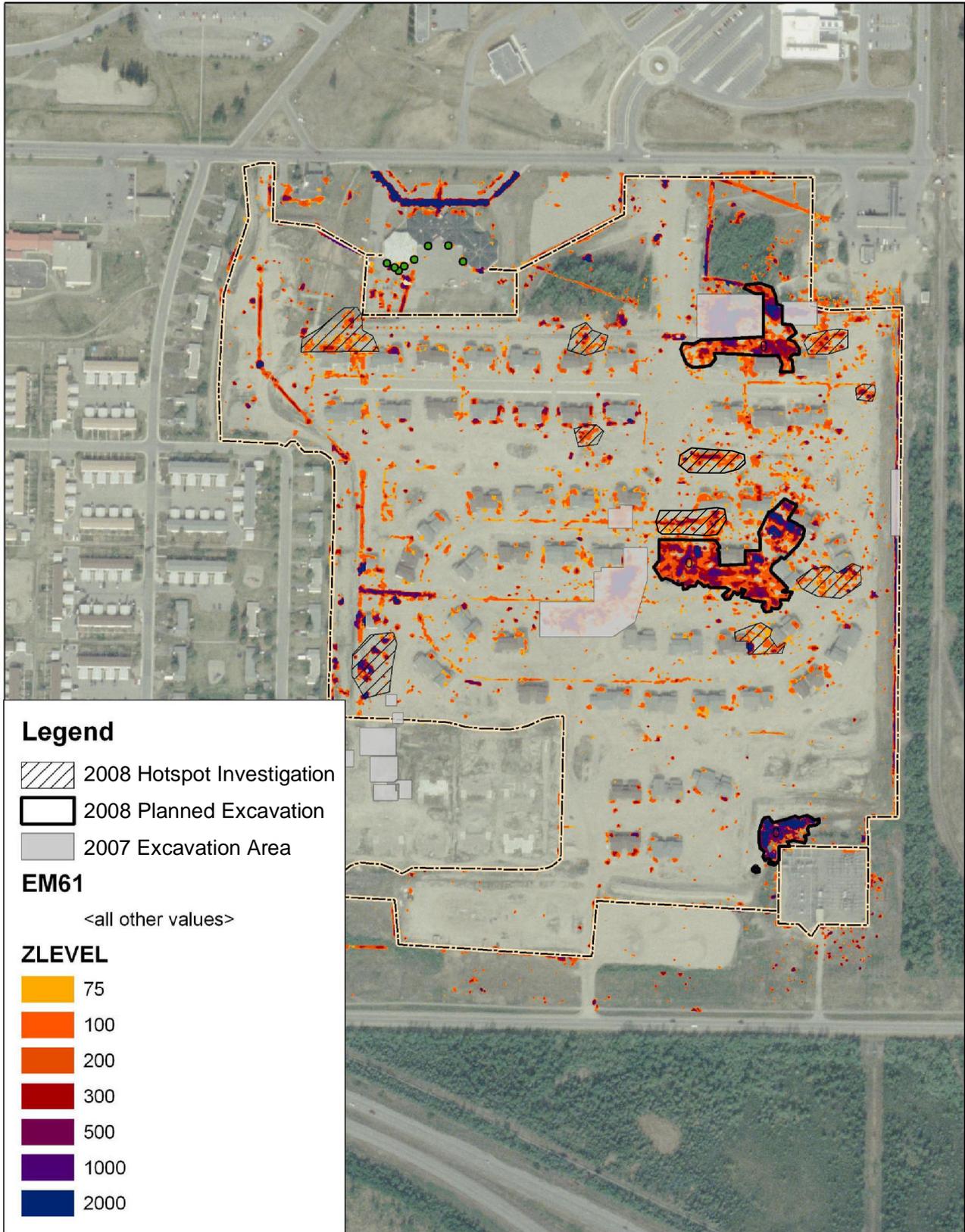
Anomalies Greater than 75 mV

The greater than 75 mV areas, heretofore referred to as EM-61 hotspots, proposed for investigation are identified on Figure 1. Geophysical anomalies obviously associated with utilities, manhole covers, surface anomalies and housing were removed from the proposed areas of investigation. The following areas are not associated with any of the above anomalies and appear to be associated with the historical drainage swale in the Northwest portion of the site or have geophysical signatures similar to areas of investigation that have previously produced items of concern.

- North of Building 11
- Southeast of Building 26
- East of Building 31
- East of Building 19
- Northwest of PCB Exclusion fence
- South of Building 12
- South of Building 16
- Southeast of Building 21

Anomalies Less than 75 mV

Since it would be cost prohibitive to investigate 100 percent of the site, it is proposed that approximately 10 percent of the uninvestigated anomalies less than 75 mV will be investigated to determine if anomalies of this size and intensity present a risk to future occupants. Following the investigation of the above areas, a quality control (QC) check of the less than 75 mV anomalies will be performed. The site would be divided into a 500-foot by 500-foot grid (see Figure 2). Approximately 10 percent of the remaining less than 75 mV area will be investigated and at least one QC anomaly per grid will be investigated.



Legend

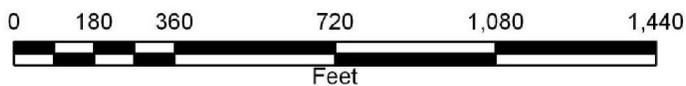
-  2008 Hotspot Investigation
-  2008 Planned Excavation
-  2007 Excavation Area

EM61

<all other values>

ZLEVEL

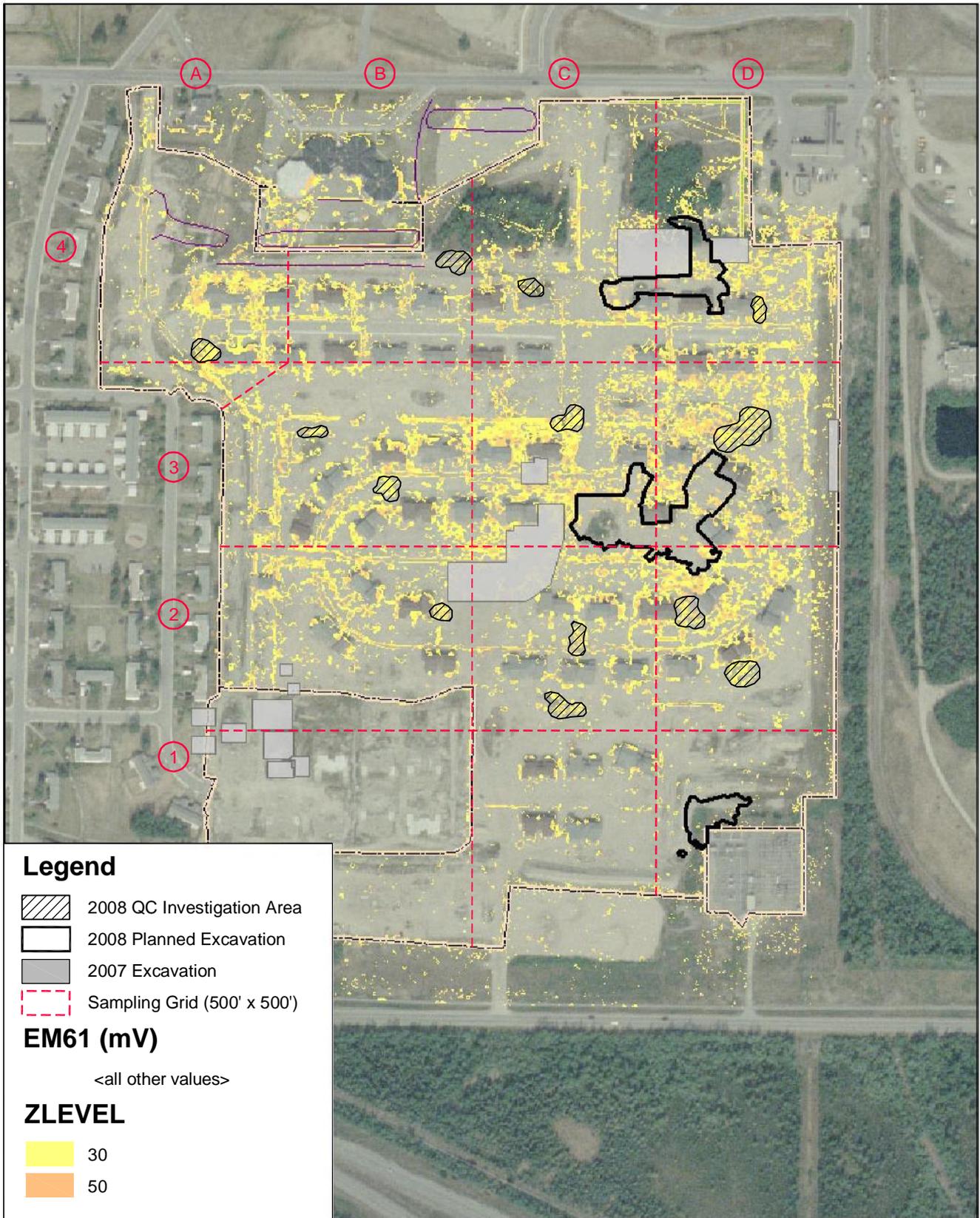
-  75
-  100
-  200
-  300
-  500
-  1000
-  2000



GREATER THAN 75 mV ANOMALIES

FORT WAINWRIGHT, ALASKA

PROJECT MANAGER: T. Heikkila	FILE NAME: Fig 1 75 mV Anomalies.dwg	DATE: Aug. 19, 08
	LAYOUT TAB: Fig 1 75 mV Anomalies	FIGURE NO.: 1
	FILE LOCATION: ERS-UR / 05F50701 / 2008 TM	



Legend

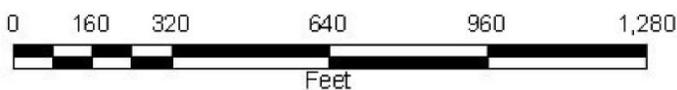
-  2008 QC Investigation Area
-  2008 Planned Excavation
-  2007 Excavation
-  Sampling Grid (500' x 500')

EM61 (mV)

<all other values>

ZLEVEL

-  30
-  50



LESS THAN 75 mV QC INVESTIGATION

FORT WAINWRIGHT, ALASKA

PROJECT MANAGER: T. Heikkila	FILE NAME: Fig 2 75mV QC Investigation.dwg	DATE: Aug. 19, 08
	DRAWN BY: BJP	LAYOUT TAB: Fig 2 75mV QC Investigation
FILE LOCATION: ERS-UR \ 05F50701 \ 2008 TM		FIGURE NO.: 2