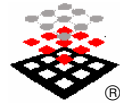


FORMER LOWRY BOMBING AND GUNNERY RANGE

TECHNICAL ASSISTANCE FOR PUBLIC PARTICIPATION (TAPP) REPORT TO THE RESTORATION ADVISORY BOARD

PROGRESS REPORT

Keith Wegner



CORRELATION CORP.
Golden, Colorado

January 19, 2005



TAPP work sponsored by:
US Army Corps of Engineers - Omaha District
Contract: W9128F-04-P-0119
Contact: Jerry Hodgson

PROGRESS REPORT

- TASK 1 – ATTEND RAB MEETINGS**

- TASK 2 – PARTICIPATE IN INDEPENDENT REVIEW ACTIVITIES**
 - **Wide Area Assessment (WAA) Field Verifications**
 - **Geophysical Investigations**
 - **Recovered Chemical Warfare Materials (RCWM) Investigation - at the Jeep/Demo Range**
 - **AOC Prioritization Scoring/Facilitation**
 - **BT5 FPRI Investigation and Clearance**

- TASK 3 – BRIEFINGS & PRESENTATIONS**

- TASK 4 – PREPARE PROGRESS REPORTS**

- TASK 5 – PROJECT ADMINISTRATION**

PROGRESS REPORT

PARTICIPATION IN INDEPENDENT REVIEW ACTIVITIES:

- Reviewed the *Jeep/Demo Range Digital Geophysical Mapping and PIG Discrimination Project* draft report; provided comments to USACE and Shaw.
- Reviewed the Wide Area Assessment Draft Final Report prepared by Sky Research. Will provide comments to USACE and Sky Research.
- Reviewed the Geophysical Prove-out Work Plan from FPRI contractor (CH2M Hill) for Bomb Target 5.

Upcoming Review Activities

- Will be reviewing the results of field investigations of the Wide Area Assessment Areas of Interest for the Flexible Gunnery Targets and any resulting Execution Plans, Management Plans, etc.
- Will be reviewing project documents from CH2M Hill for the FPRI work at BT5.

PROGRESS REPORT

□ FLBGR SITE OE & RCWM INVESTIGATIONS

SCIENTIFIC EVOLUTION PATHWAY



DETECTION

DISCRIMINATION

DELINEATION

Techniques for
Determining Presence
of Surface or
Subsurface
Anomalies

Techniques for
Discerning Size,
Density, Proximity,
Class, or Other
Characteristics

Techniques for
Defining the Extent,
Presumptive Absence,
or Anomaly-Related
Features

PROGRESS REPORT

- JEEP/DEMO RANGE GEOPHYSICAL REPORT REVIEW

SCIENTIFIC EVOLUTION PATHWAY



DETECTION

DISCRIMINATION

DELINEATION

- Digital Geophysical Mapping Processes
- CAIS Set Container (PIG) Detection and Discrimination Study
- Platform and Test Plot Studies for Object Depths and Orientations

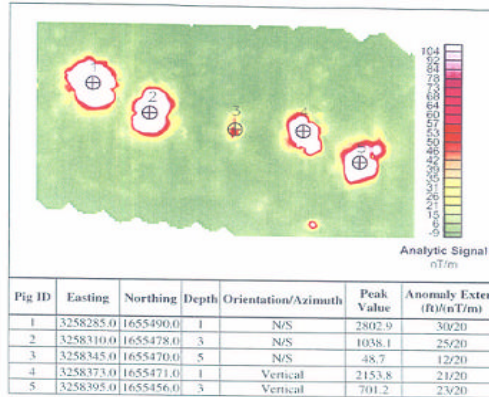
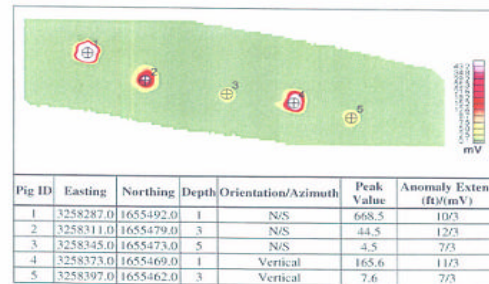


Table 5 - Anomaly Excavation Decision Matrix

		Magnetic Modeling Results		
		PIG-like	Inconclusive	Not a PIG
EM Modeling Results	PIG-like	DIG	DIG	Evaluate
	Inconclusive	DIG	Evaluate	No DIG
	Not a PIG	Evaluate	No DIG	No DIG



PROGRESS REPORT

WIDE AREA ASSESSMENT REPORT REVIEW

SCIENTIFIC EVOLUTION PATHWAY

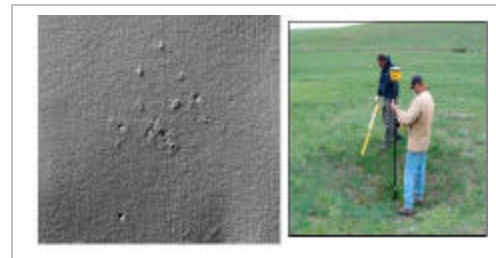
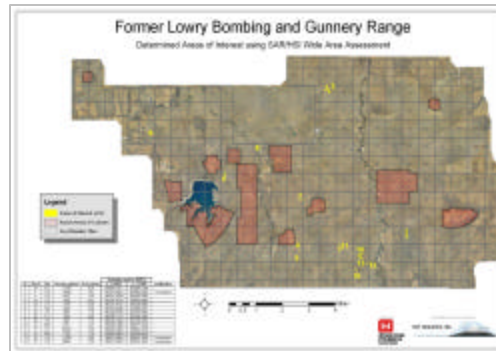


DETECTION

- Airborne Sensor Methodologies for Object Detection
- Sensor Data Processing Algorithms
- Multiple Sensor Fusion (SAR, HSI, LiDAR, DTM)

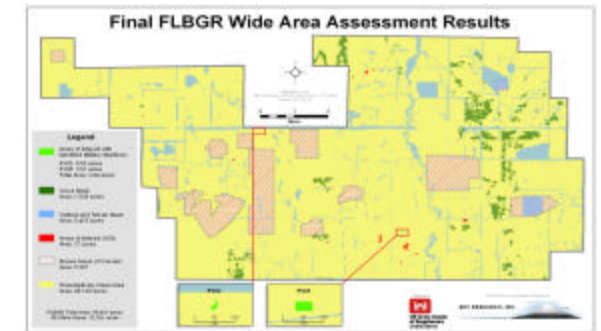
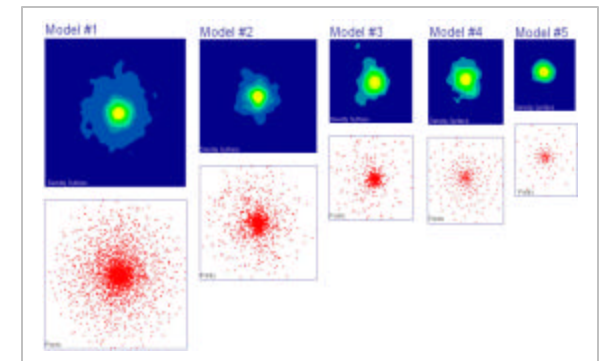
DISCRIMINATION

Distinguishing Between Metallic and Organic Images; Cluster Recognition; Impact Area Recognition



DELINEATION

BT Modeling; ID of AOIs; Presumptively Clean Area ID



PROGRESS REPORT

BUDGET PERFORMANCE [W9128F-04-P-0119]:

Percent Complete

