



Northwest
Geophysical
Associates, Inc.

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June 7, 2004

Charles Riddle, CEG
R&M Consultants
9101 Vanguard Drive
Anchorage, AK

Re:

***PRELIMINARY RESULTS
Geophysical Site Investigation
Family Housing Replacement
Taku Sites (FTW251 & FTW283)
Fort Wainwright, Alaska***

Dear Mr. Riddle;

The attached plots convey the preliminary results from our geophysical site investigation for the Family Housing Replacement project, Taku Sites. The site is characterized by general scattered debris with a few large disposal areas with extensive metallic debris. Areas of extensive disposal are outlined as "MAG ANOMALIES" on Figure 1, the preliminary "Geophysical Interpretation Summary."

The site was under going site clearing activities while we were on site, with those activities continuing after we left the site. The areas marked "wood debris berm" were being moved and reshaped into "privacy berms" to surround the housing site. They were in constant flux and may no longer be in the locations indicated.

The "NGA staked grid" is the geophysical grid which was established to facilitate the geophysical survey. Stakes were placed 10 meters apart on north-south lines spaced 50 meters apart. Stakes on every other line were labeled with the grid location. Those stakes will be useful for relocating anomalies/buried debris. However, many stakes may succumb to the present construction activities on the site. Our locations are georeferenced to Alaska State Plane (zone 3, NAD83) grid used by the Corps of Engineers, and located correctly on the basemap. Our estimated error is ± 1 meter.

The EM data were strongly affected by the microwave transmissions from a tower a few hundred meters south of the power substation. The microwave signal overpowers the EM electronics and introduces considerable noise into the data. Hence, the useful range of the EM was greatly diminished and only the larger anomalies can be identified with any certainty. Nonetheless, we feel this did not reduce the effectiveness of the survey, as the major anomalies can easily be identify. Resolving individual anomalies within the areas of scattered debris is beyond the scope of this survey.

PRELIMINARY RESULTS
Geophysical Site Investigation
Family Housing Replacement, Taku Sites
Fort Wainwright, Alaska
June 7, 2004

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While these are preliminary results, I do not expect the basic findings to change. The current plots have several areas with uncorrected line positions and incomplete data corrections.

Please convey these preliminary results to the Alaska District, US Army Corps of Engineers. I would be happy to discuss these results with you and/or the Corps at your convenience. The final report, with a complete set of plots should be available in 2-3 weeks.

Sincerely,

Northwest Geophysical Associates, Inc.

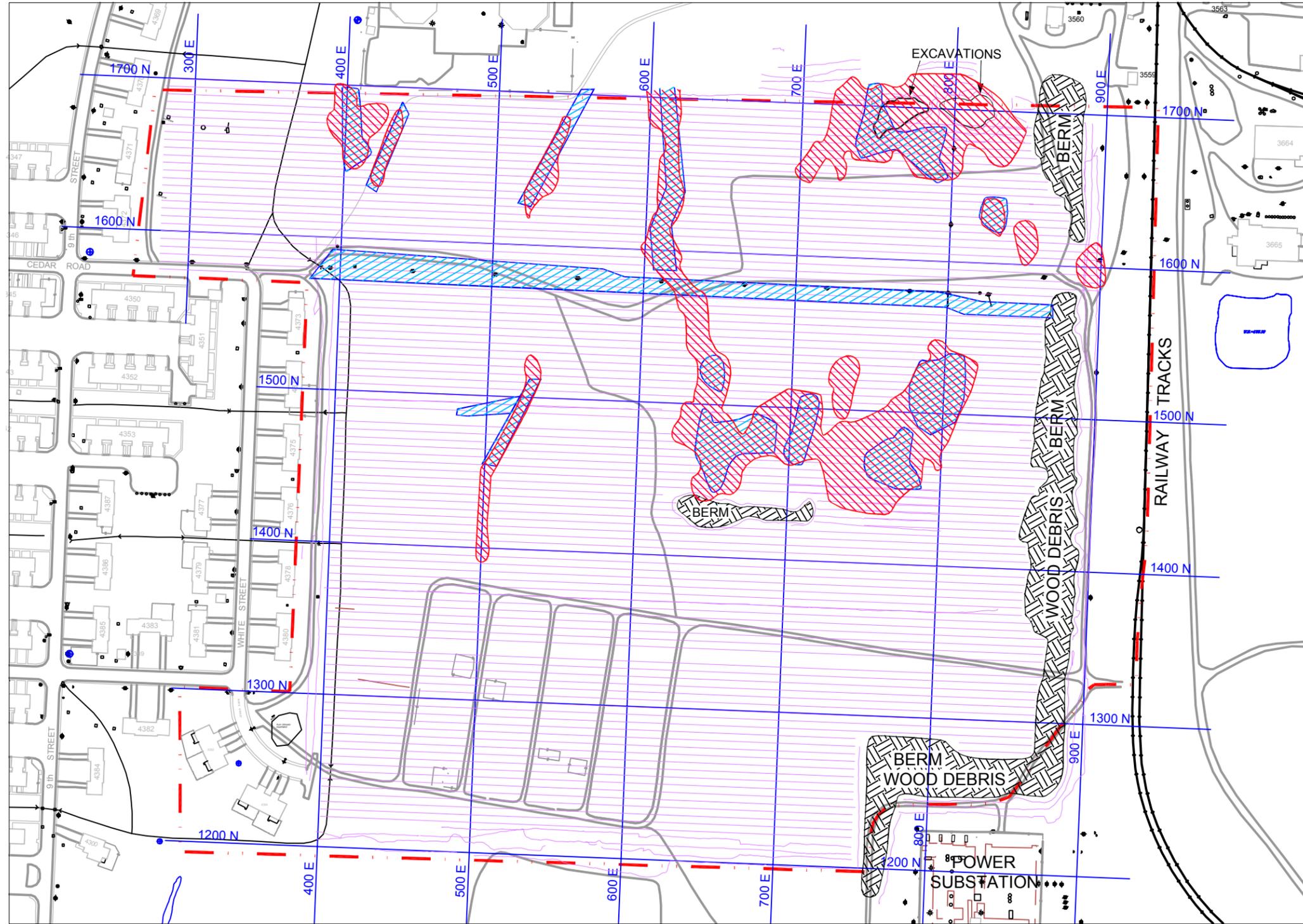
A handwritten signature in blue ink, appearing to read "Rowland B. French".

Rowland B. French, R.G.
Vice President

Enclosures:

- Figure 1 – Geophysical Interpretation Summary
- Figure A1 – Data Plot: Magnetic Analytic Signal

File: NGA_Taku_Housing_Preliminary.doc
NGA Project: 569



LEGEND

-  MAG SURVEY LINES
-  MAG ANOMALIES
-  EM ANOMALIES
-  NGA STAKED GRID (meters)
-  WOOD DEBRIS BERM
-  POWER POLE WITH GUY LINE

PRELIMINARY

FIGURE 1

GEOPHYSICAL INTERPRETATION SUMMARY

Geophysical Site Investigation
 Family Housing Replacement
 Taku Sites (FTW251 & FTW283)
 Fort Wainsright, Alaska

Prepared by:
 **Northwest Geophysical Associates, Inc.**
 P.O. Box 1063, Corvallis, Oregon 97339

Submitted by:
 **R&M CONSULTANTS, INC.**
 9101 Vanguard Drive, Anchorage, Alaska 99507

Prepared for:
 ALASKA DISTRICT
 CORPS OF ENGINEERS
 ANCHORAGE, ALASKA
 CONTRACT # DACA85-02-D-0010 (D.O.# 0018)

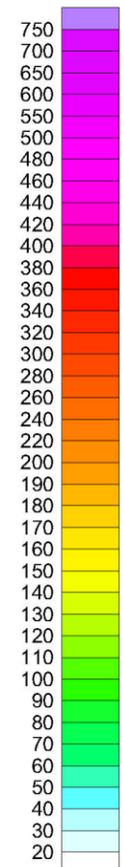
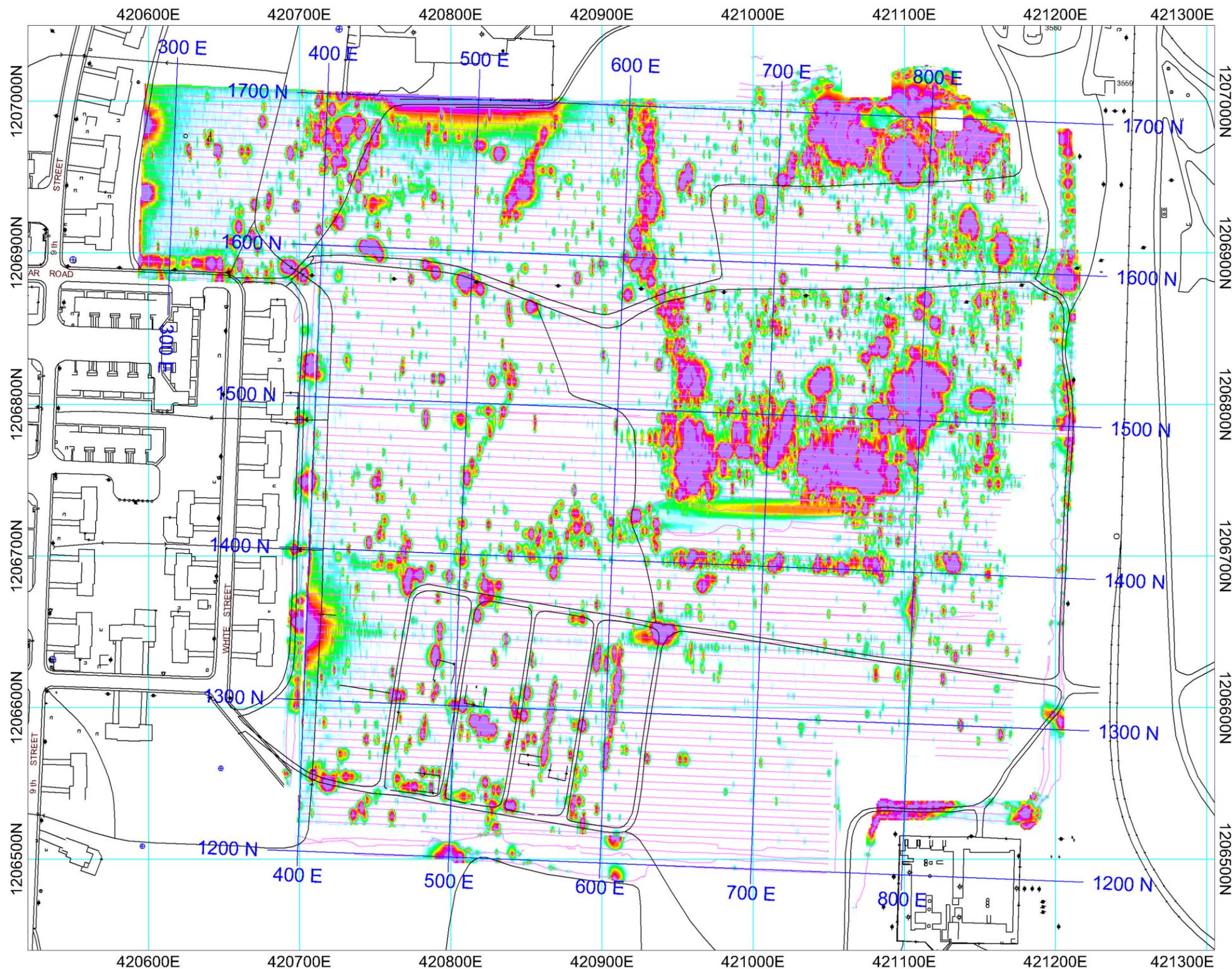


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DATE: MAY 2004

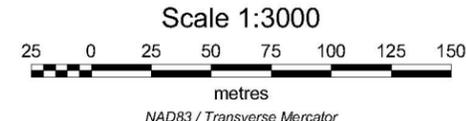
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NGA PROJECT #: 569



MAGNETIC ANALYTIC SIGNAL (nT/M)
LEGEND

MAGNETIC DATA LINES
(for detailed legend see Figure 2)



PRELIMINARY

FIGURE A1

Prepared By:
NGA Northwest Geophysical Associates, Inc.

Submitted By:
R&M CONSULTANTS, INC.

Prepared For:
ALASKA DISTRICT
CORPS OF ENGINEERS
ANCHORAGE, ALASKA
CONTRACT #DACA85-99-D-0009 (D.O.# 0018)



**MAGNETIC ANALYTIC SIGNAL
Geophysical Site Investigation
Family Housing Replacement
Taku Sites (FTW251 & FTW283)
Fort Wainwright, Alaska**