

REVISION: A-10-JAN-10

DATE: NOVEMBER 2009

FILE: Alum Site\_Location.dwg

NGA PROJECT #: 720



from: Google Maps

FIGURE 1

Prepared by:



Prepared for:



## SITE LOCATION MAP

Gravity & Magnetic Modeling  
Alum Geothermal Prospect  
Esmeralda County, Nevada



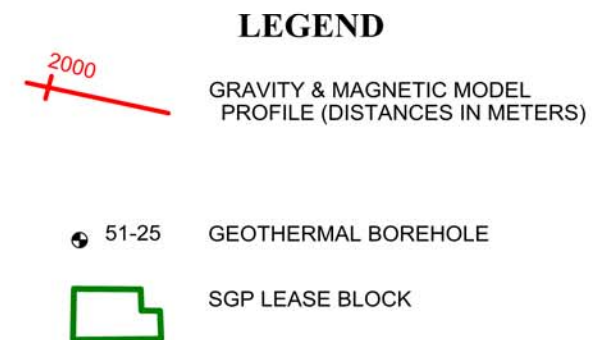
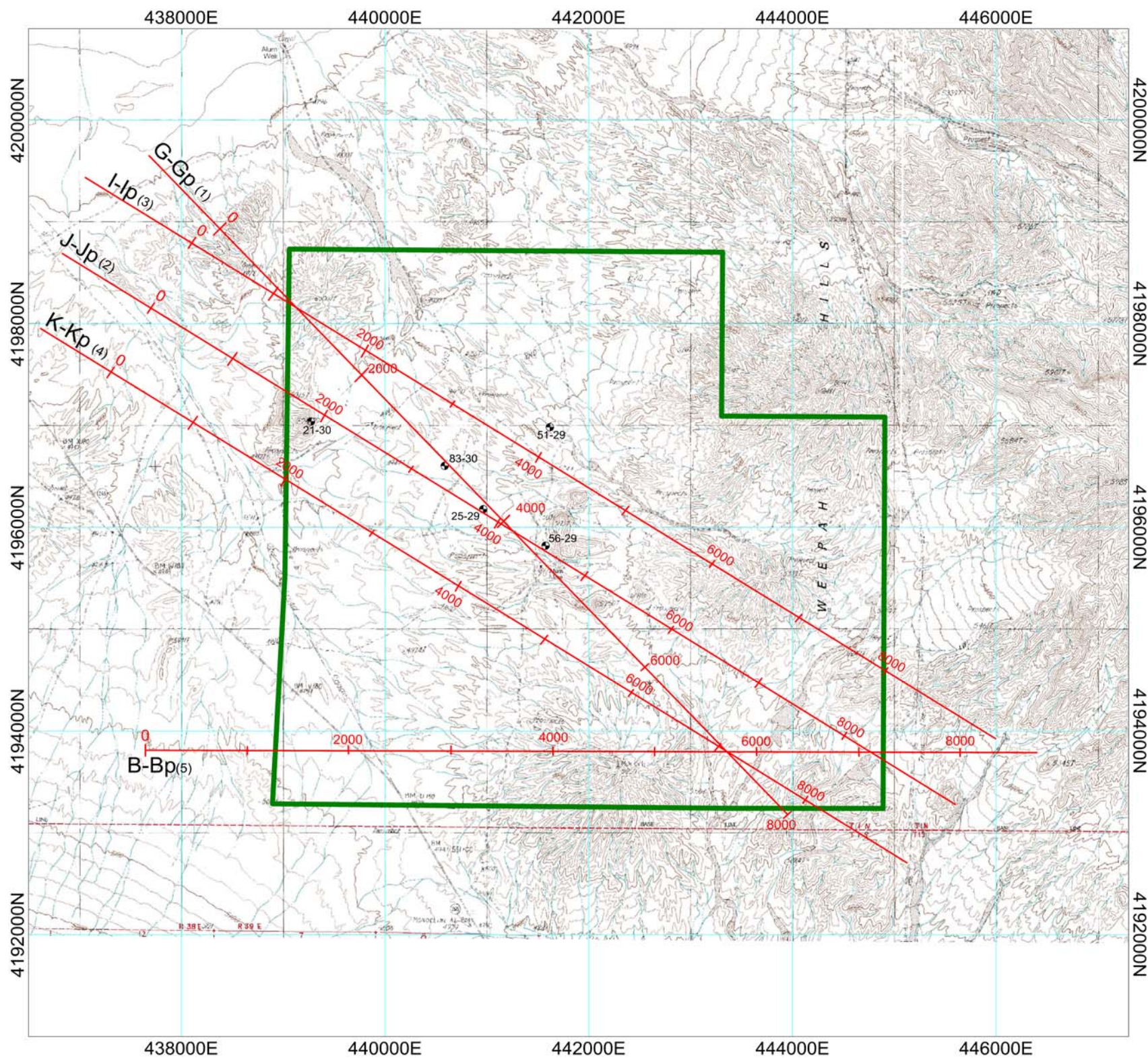


FIGURE 2

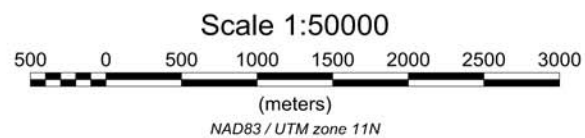
Prepared By:



**Northwest  
Geophysical  
Associates, Inc.**

Prepared For:

**Sierra Geothermal Power Corp**



**BASE MAP**

**Gravity & Magnetic Modeling  
Alum Geothermal Prospect  
Esmeralda County, Nevada**



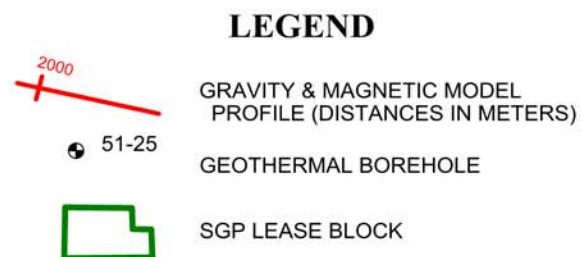
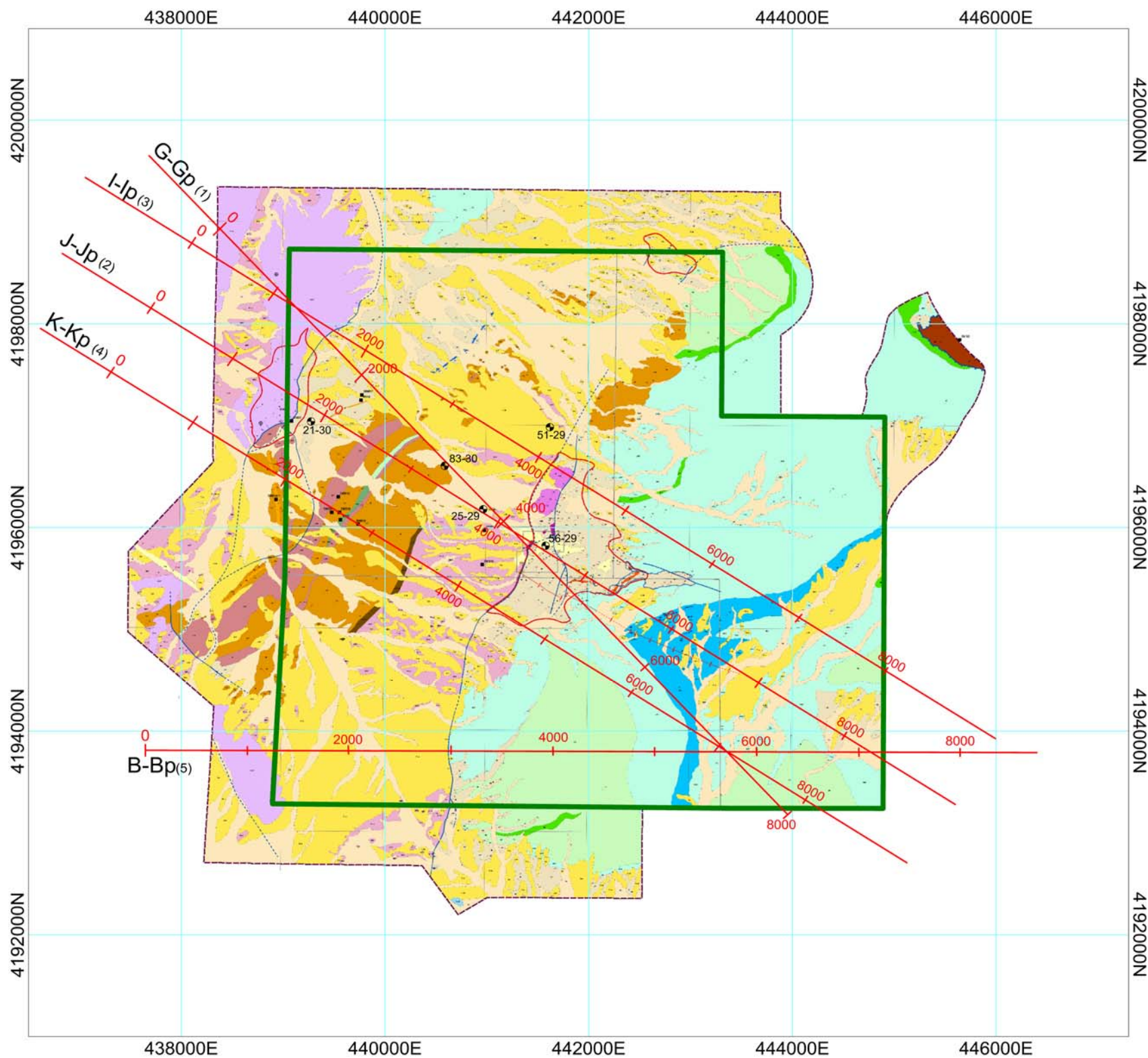


FIGURE 3

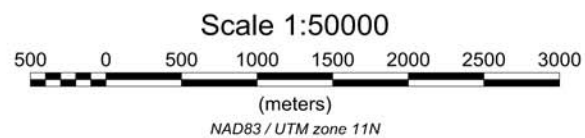
Prepared By:



**Northwest  
Geophysical  
Associates, Inc.**

Prepared For:

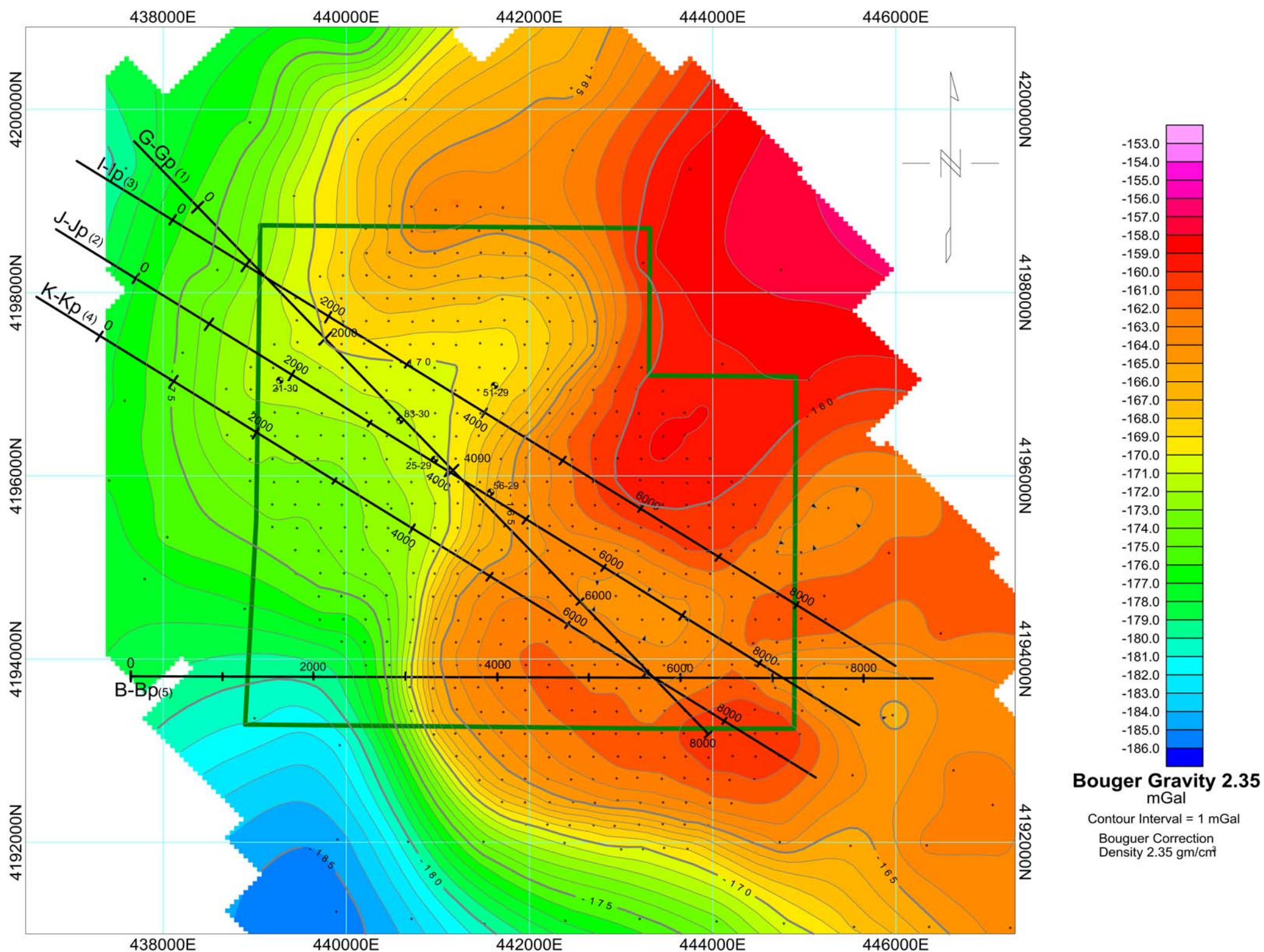
**Sierra Geothermal Power Corp**



**GEOLOGIC MAP  
HULEN, 2009**

**Gravity & Magnetic Modeling  
Alum Geothermal Prospect  
Esmeralda County, Nevada**





# LEGEND

- GRAVITY & MAGNETIC MODEL PROFILE (DISTANCES IN METERS)
- GRAVITY STATIONS from McGEE 2008
- 51-25 GEOTHERMAL BOREHOLE
- SGP LEASE BLOCK

FIGURE 4

## **BOUGER GRAVITY CONTOUR PLOT** Gravity & Magnetic Modeling Alum Geothermal Prospect Esmeralda County, Nevada

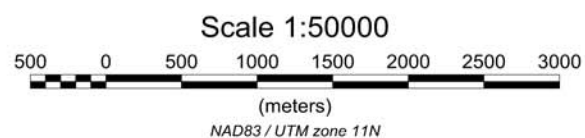
Prepared By:



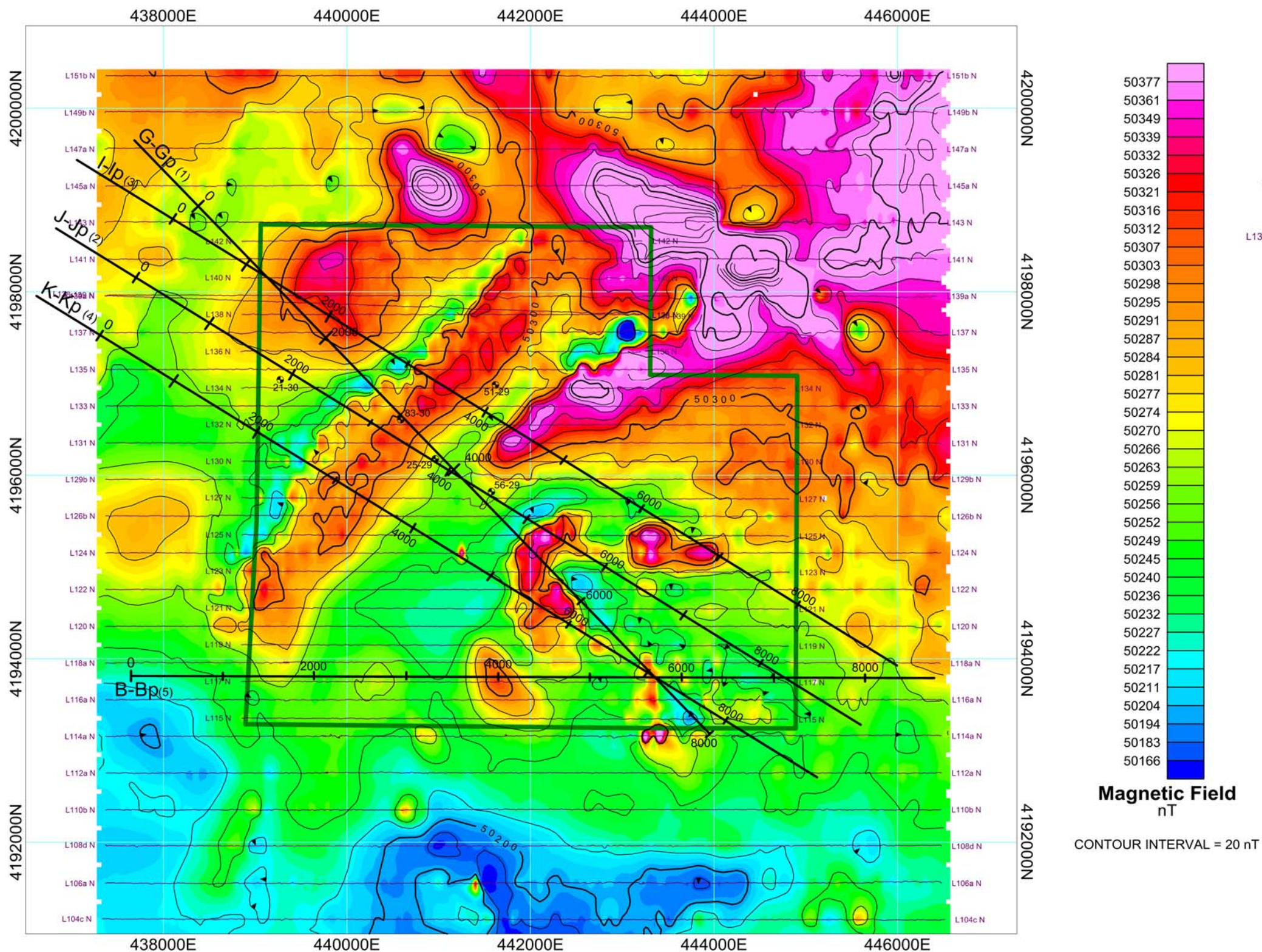
**Northwest  
 Geophysical  
 Associates, Inc.**

Prepared For:

*Sierra Geothermal Power Corp*







# LEGEND

GRAVITY & MAGNETIC MODEL  
PROFILE (DISTANCES IN METERS)

MAGNETIC DATA LINE  
McGEE 2008 & 2009

51-25  
GEOTHERMAL BOREHOLE

SGP LEASE BLOCK

Magnetic Field  
nT

CONTOUR INTERVAL = 20 nT

FIGURE 5

## MAGNETIC FIELD CONTOUR PLOT

Gravity & Magnetic Modeling  
Alum Geothermal Prospect  
Esmeralda County, Nevada

Prepared By:



Northwest  
Geophysical  
Associates, Inc.

Prepared For:

Sierra Geothermal Power Corp

Scale 1:50000  
500 0 500 1000 1500 2000 2500 3000  
(meters)  
NAD83 / UTM zone 11N



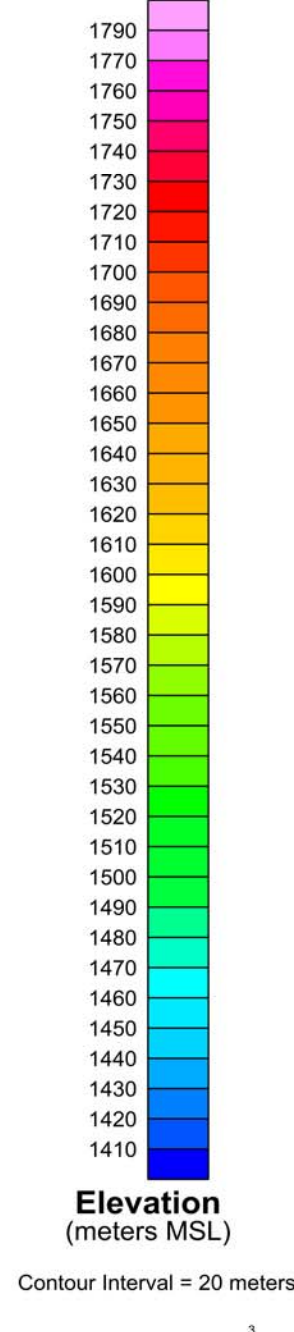
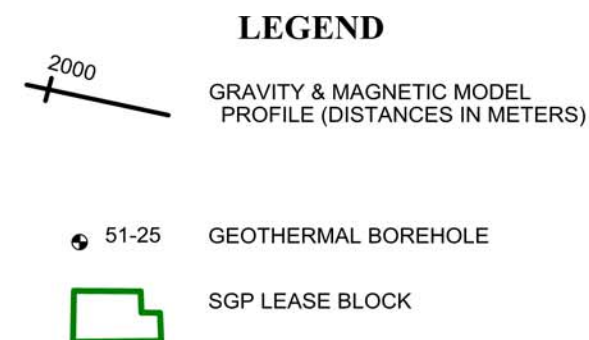
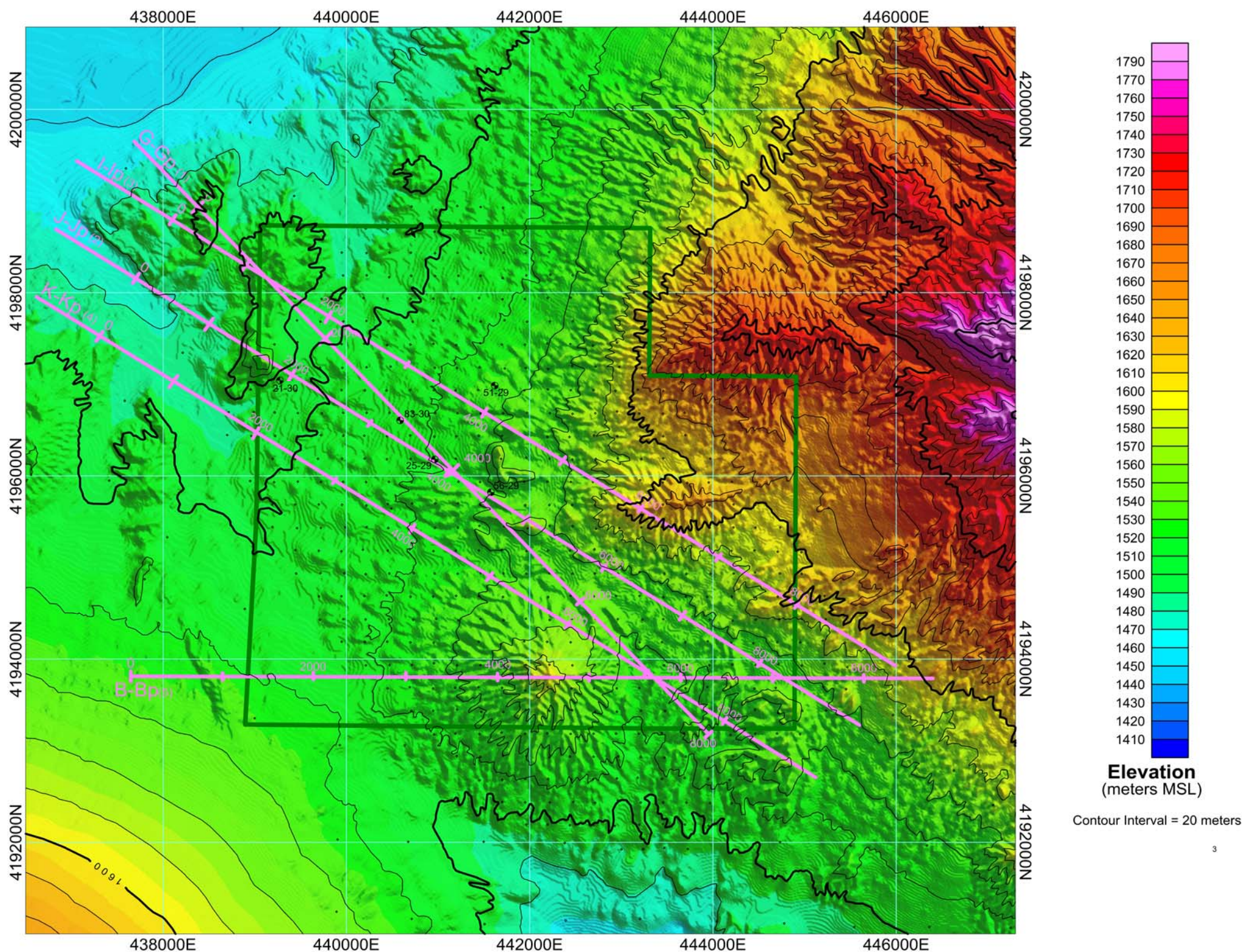


FIGURE 6

**DIGITAL ELEVATION  
MODEL**

**Gravity & Magnetic Modeling**  
**Alum Geothermal Prospect**  
**Esmeralda County, Nevada**

