Exploration Using
Ground Magnetic Method
Exploration, Construction and Geological Subsurface

Minerals Investigation

Feb, 2018

Introduction

- Gold potential has been recognized in an exploration area centre of Kalimantan.

- Seisxplore Geosurvey has the equipment and capability to carry out a ground magnetometer survey & geological mapping program to interpret the geological structure of the project area and indicate targets for further gold & mineral exploration

Equipments and Acquisition

Survey consists of a base station and a roving magnetometer to do acquire the data
We have some equipments such :

- Geometric G-856
- GEM System GEM-19T
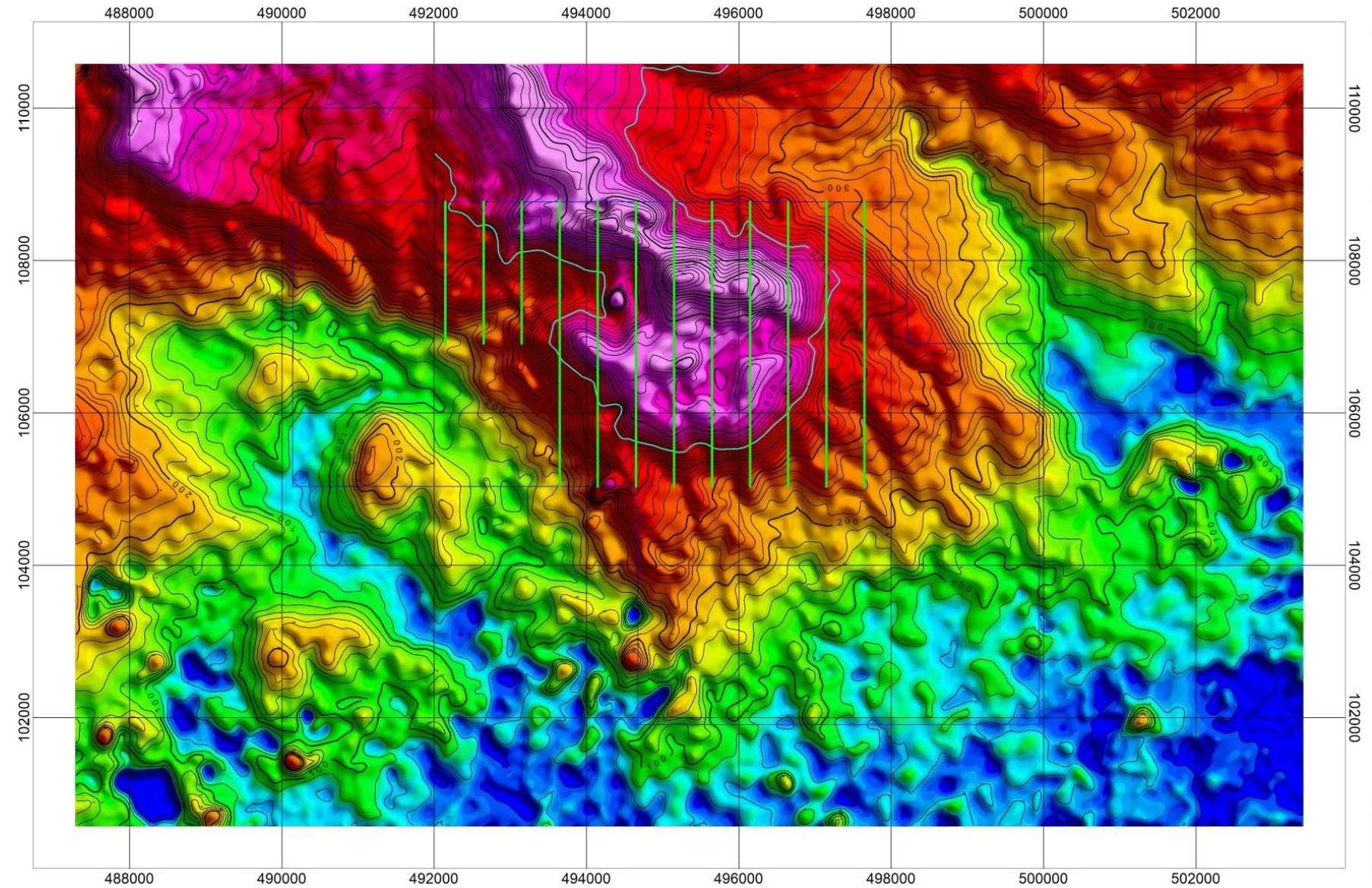- PMG-1

Base

Data Acquisition/Rover

Magnetometer

- The ground proton magnetometer is used to detect variations in the earth's magnetic field as a result of the underlying geology

- This can help interpret the geological structure of the geology beneath the surface
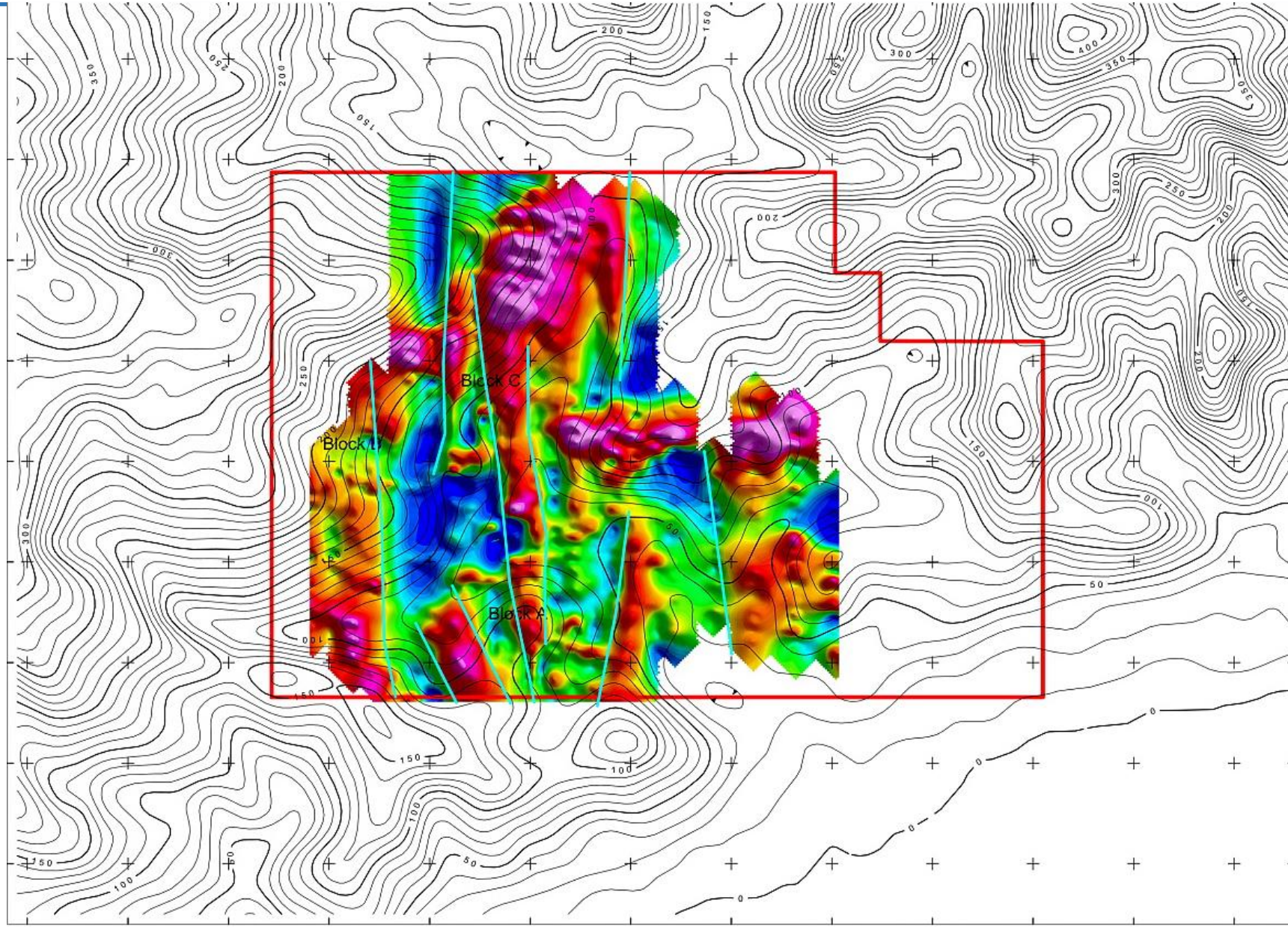
Geological Structures Delineation from DEM data

While the mag survey is carried out geological mapping will also be carried out to identify and record the rock types & geological structure in the area

Interpretation & Delineation of Structures

Geological Map from Mapping

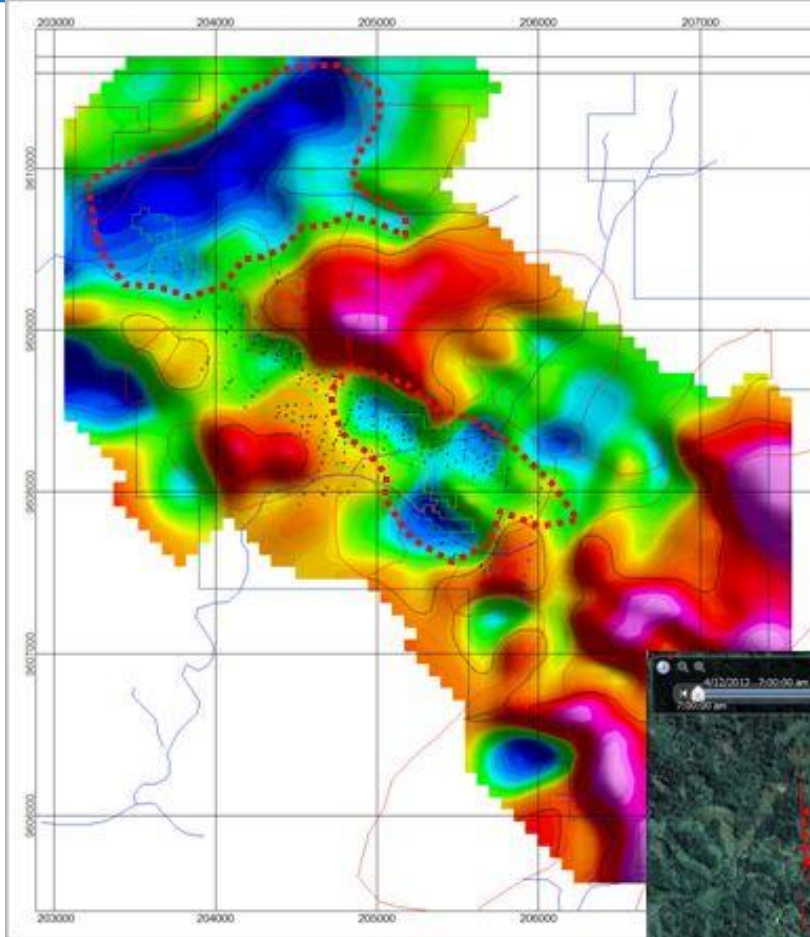# A combination of magnetic anomaly and geological map
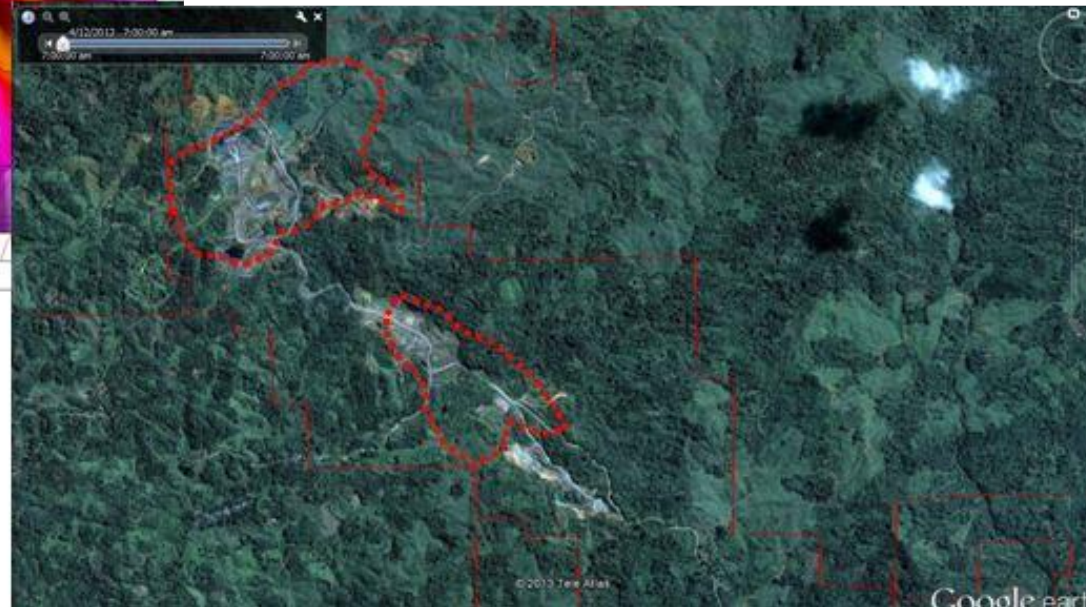
Exploration Target

Sediment Boundries and Delineate of Coal Distribution
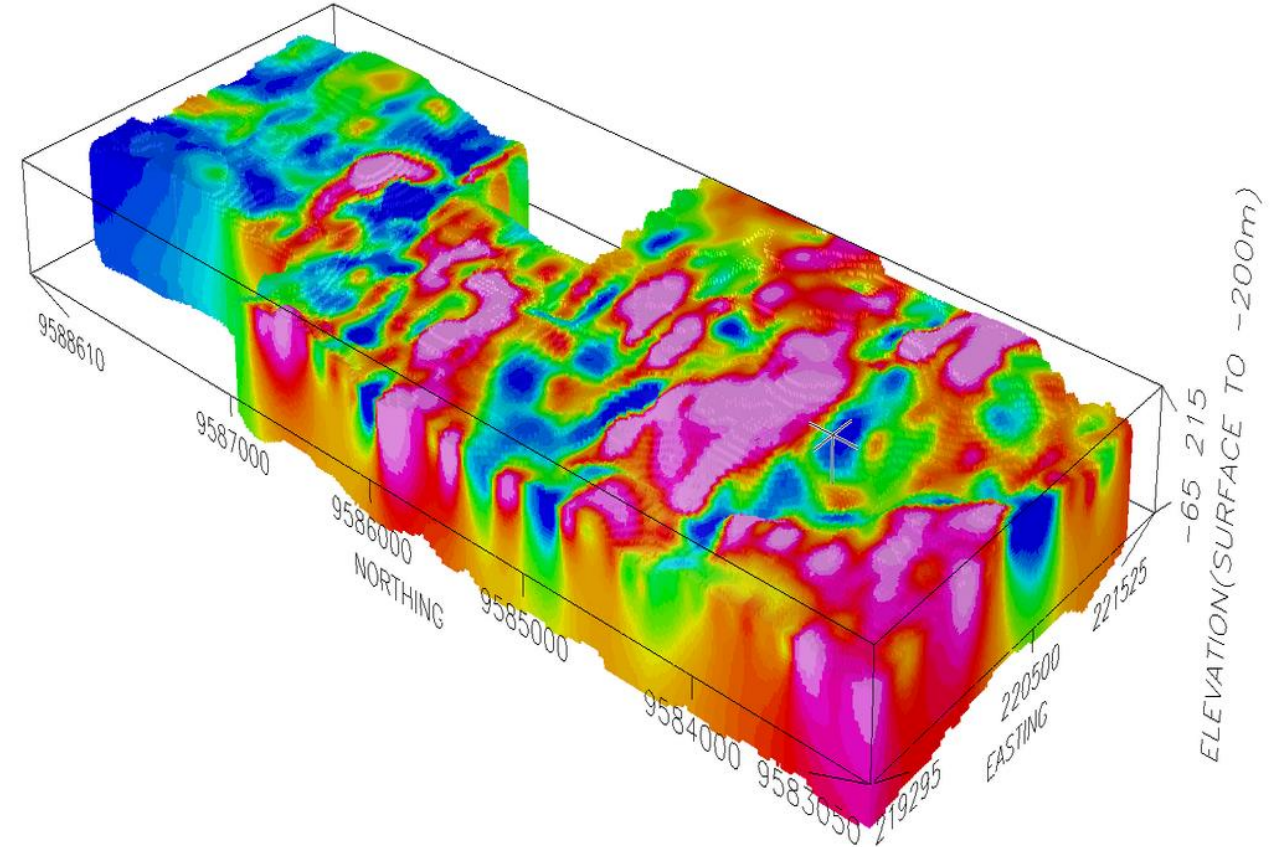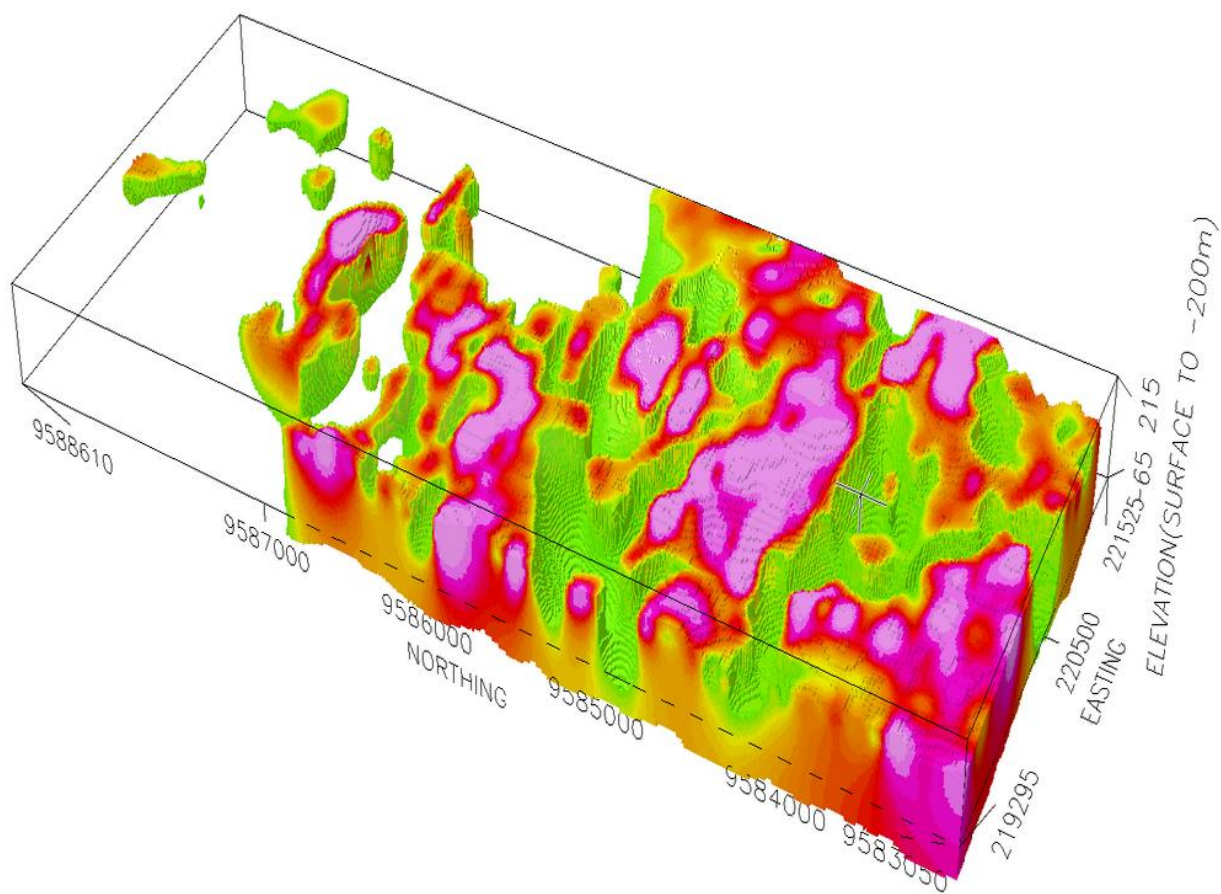

Red areas show high magnetic
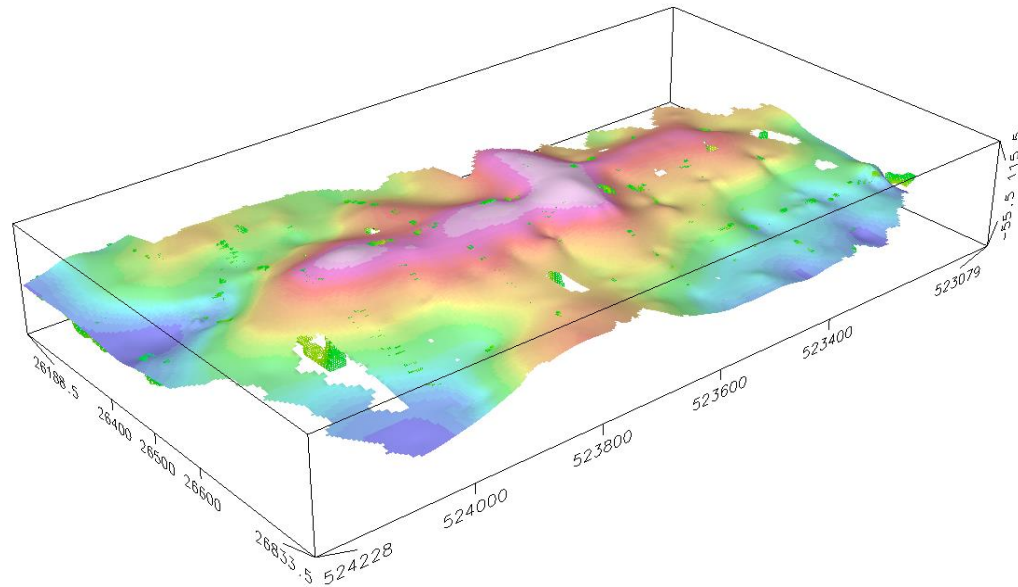response (Volcanic Material)

Blue areas show low magnetic
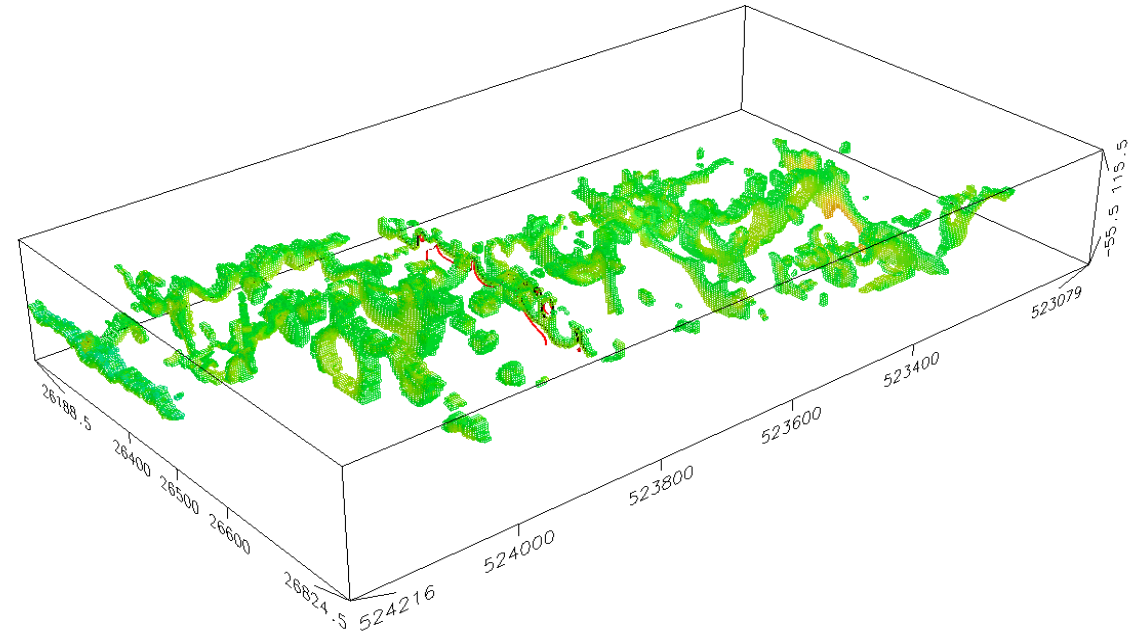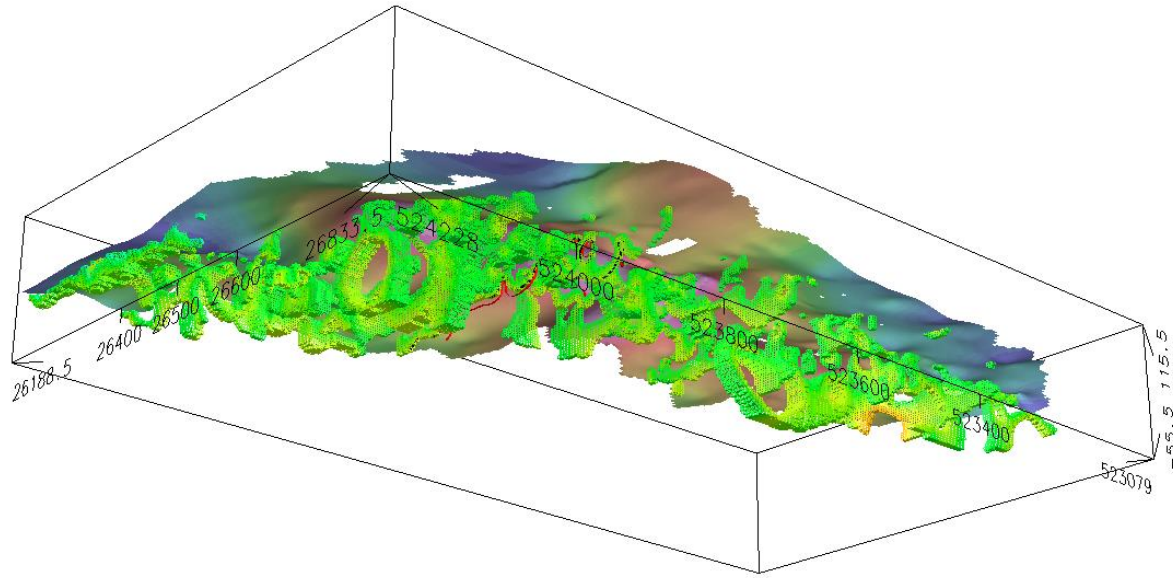response (Sediments)

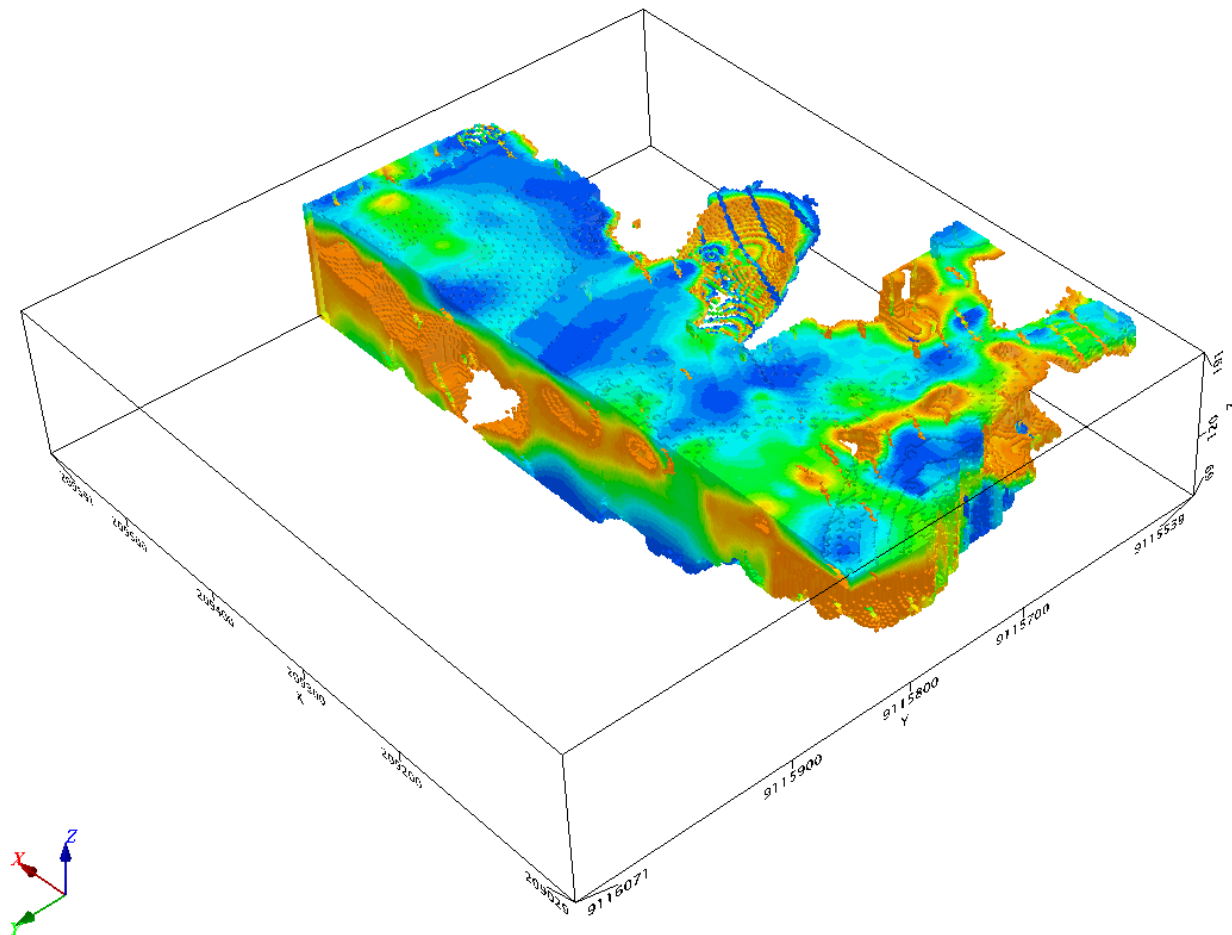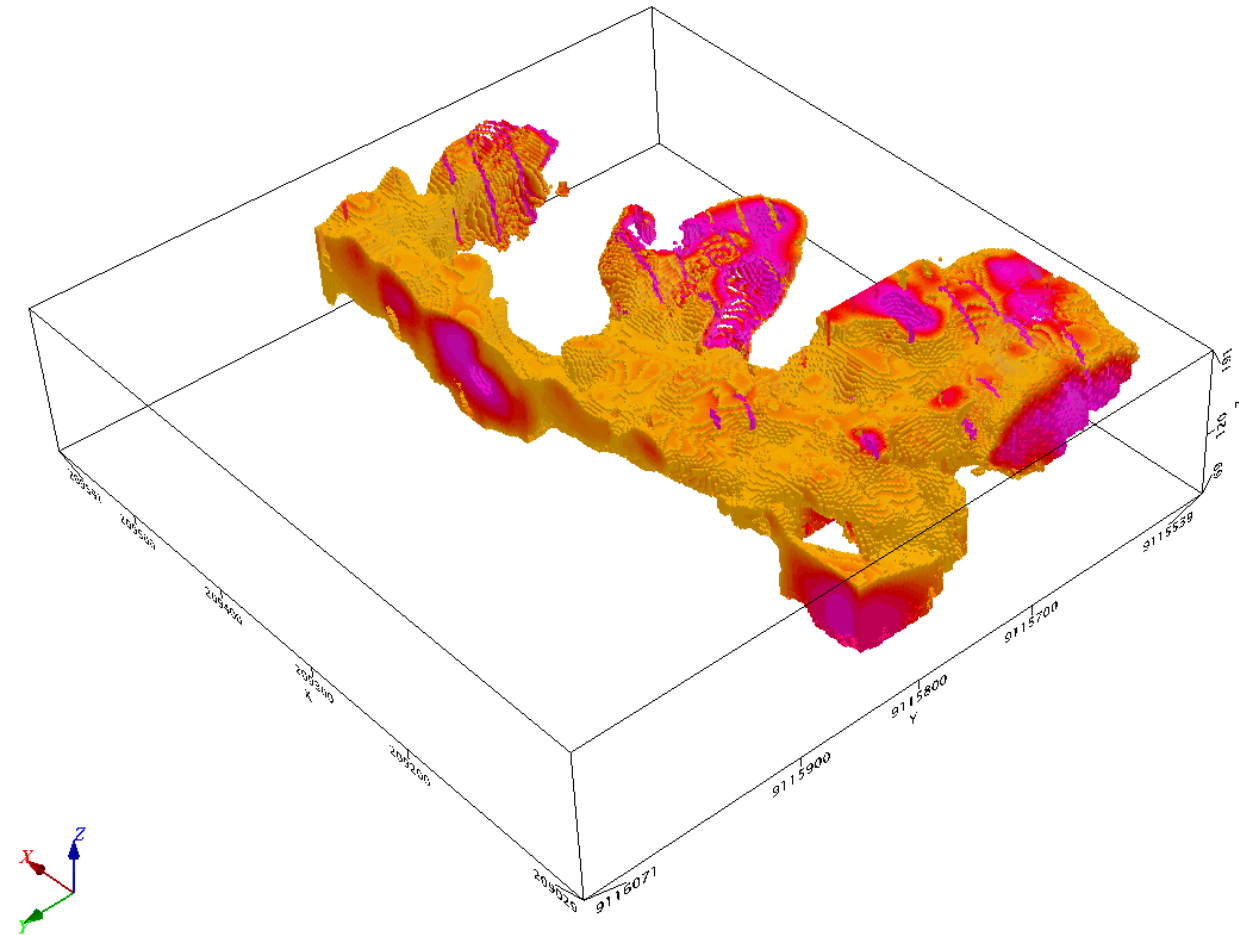# Distribution of Target in 3-D Surface/Solid Model

Volumetric of Target(Andhesit/Ore/Mineralization)

Volumetric of Target(Andhesit/Ore/Mineralization)

Receivables

- A power point presentation containing;

- a) a magnetic anomaly map

- b) a surface geology map

- c) a combined geology and magnetic map

- d) a 3-D view distribution of the target

- d) a structural interpretation of the project area with target areas for further investigation