

1. Setup

- state the problem. draw a picture.

Complex Geology
conducted Geologic Mapping
Geochemistry
shallow Geothermal gradients
Regional Gravity + magnetic
Soil GAS Analysis
MT survey

2. Properties

- what are the diagnostic physical property contrasts?

Issue is complex structural
Geology, Basin + Range geology
Deep Lake Sediments adjacent
to Bedrock.
Buried structure thought to
be controlling geothermal fluids

3. Survey

- where are the sources? receivers? time domain?
frequency domain? grounded? inductive?

conducted MT study Focused
on mapped geologic structure
(See attached section)
As example of
one profile, complete MT
DATA SET Available.

7. Synthesis

- how do we combine our interpretation
with other knowledge about the problem
and make a decision?

Combine MT DATA with
Existing geologic DATA
and other Geophysical
DATA (Regional surveys)

6. Interpretation

- what do the results tell us in terms of the
geological or geotechnical objectives?

Objective is to assist
in Identifying potential
Geothermal Reservoirs
which can be drilled and
developed. Geothermal
system thought to be
Fracture controlled
(Issue defined in #2)

5. Processing

- what steps should be taken prior to
obtaining an interpretable image?

4. Data

- what are the data? what do you expect
to see?