Project Information

Project Name:

Date of project inception:

Author:

Additional project investigators:

Author Affiliation:

**SECTION 1: PROJECT SETUP**

Study Area Boundary

Bounding Coordinates:

X min:

X max:

Y min:

Y max:

OR

Bounding Polygon

Polygon file address (e.g. shapefile):

Terrain File

*Source data:*

Provide source database, file address, website, and other pertinent information.

*Processing:*

Provide details about the processing steps performed on the source data, if any. Sufficient detail should be provided such that the procedures can be reproduced by someone unfamiliar with the project.

The following table can be used to document processing steps and files associated with each step.

|  |  |  |
| --- | --- | --- |
| Input file  | Processing steps (e.g. algorithms, file formatting, coordinate transformations, etc.) | Output file |
|  |  |  |

Airborne Geophysics Data

*\*use same format as given under “Terrain File”*

Borehole Lithology Data

*\*use same format as given under “Terrain File”*

Borehole Geophysics

*\*use same format as given under “Terrain File”*

Borehole Stratigraphy

*\*use same format as given under “Terrain File”*

Well Construction

*\*use same format as given under “Terrain File”*

Groundwater Levels

*\*use same format as given under “Terrain File”*

Groundwater Chemistry

*\*use same format as given under “Terrain File”*

**Section 2: Interpretation AND MODELING**

2D Grids

*Source data:*

Provide information about X, Y, Z source data.

*Interpolation:*

Provide details about the interpolation algorithm. Sufficient detail should be provided such that the procedures can be reproduced by someone unfamiliar with the project.

3D Grids

*\*use same format as given under “2D Grids”*

Geologic and Hydrostratigraphic Modeling

There are various approaches to modeling. Therefore, this section will vary from case to case. Document the approach used and any pertinent information relevant to the study. Some things to consider include:

* How was the resistivity-lithology relationship determined? Statistical, qualitative, hybrid modeling, etc.
* What color scales were used in the AEM or 3D grid data to map geologic contacts?