

CHAPTER 6.0. QUALITY ASSURANCE AND QUALITY CONTROL

In order to ensure the highest quality geophysical data, a multi-layer approach to Quality Assurance and Quality Control (QA/QC) was implemented. Before shipping equipment to job sites, rigorous tests were conducted to ensure all equipment is functioning properly.

Quality control is obtained in the field by highly trained geophysicists. Survey parameters and acquisition procedures are agreed to by at least two geophysicists, who are then responsible for conducting the surveys. When time allows, survey data is recorded a second time, either in the same or opposite directions, to ensure repeatability. Data were then compared during the data processing and interpretation steps. Data are also returned to the home office for analysis by senior geophysicists within the QA/QC department.

During data processing and interpretation, the geophysicists discuss results and interpretations with the internal QA/QC department on a daily basis. Ideas and alternate techniques are discussed and implemented to provide clients with the most accurate data possible.

Report writing is generally handled by the processing geophysicists. Draft reports are generated and circulated within the QA/QC department as well as given to at least one additional senior geophysicist.

The different layers of this QA/QC approach ensure a high quality product is produced for each and every client.

During the completion of this report the Project Manager for this project used the following Blackhawk personnel for QA/QC:

- Kanaan Hanna – Senior Engineer, senior review;
- Jim Hild – Senior Geophysicist, data processing and interpretation;
- Steve Hodges – Consulting Geophysicist (Satori Enterprises), data acquisition;
- Natasa Mekic – Senior Geophysicist, data processing and general QA/QC activities.
- Dr. Ed Wightman – Senior Geophysicist. Provides general QA/QC activities.