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MEMORANDUM

To: Roger Hulstein **Date:** August 28, 2011
From: Genevieve Hetu
Re: 60 Mile, Layfield and Miller Creek IP and Resistivities Surveys

This memorandum is a field report describing the IP and resistivity surveys conducted on the 60 Mile property in the Dawson mining district. Aurora Geosciences Ltd. IP crew worked on the property for a total of 13 days between August 16th and August 28th, 2011. A full survey log describing daily operations is attached to this report.

The IP survey totaled 6.8 km on the Layfield grid and 6.45 km on the Miller Creek Grid.

A location plot containing the relative locations of these lines is attached to this report.

a. Crew and equipment.

The following personnel conducted the surveys:

Dave Hildes	Geophysicist Project Manager	August 16 th – August 19 th
Genevieve Hetu	IP Crew chief	August 16 th – August 28 th
Stefan Groensdahl	Helper	August 16 st – August 27 th
Zain Syed	Helper	August 16 th – August 27 th
Russell Radwanski	Helper	August 19 th – August 28 th

The IP crew was equipped with the following instruments and equipment:

IP receiver	1	GDD GRx8-32
IP transmitter	1	GDD TxII 3.6 kW
Generator	1	Honda 5kW generator
IP equipment	1	Repair tools & spare IP parts
	5 km	18 gauge wire
	4	VHF handheld radios
		Georeels & spools, 50m 10 pin IP cables, stainless steel electrodes
Other	1	Laptop with Geosoft IP package
	1	Sat phone

b.Survey specifications.

The IP and resistivity surveys were conducted according to the following specifications:

Array	Modified pole-dipole
Dipole spacing	50 m
Dipoles Read	N=1 through 10
Tx	Time domain, 50% duty cycle, reversing polarity, 0.125 Hz.
Stacks	Minimum 15
Rx error	5 mV/V or less, otherwise repeated several times until repeatability assured.
Grid registration	Handheld GPS points at line ends and every 200m minimum averaged 60 s or until estimated accuracy < 10 m, whichever was longer. All coordinates in NAD83 UTM Zone 7N.

c. Data Processing.

The IP data was downloaded nightly from the GDD GRx8-32 receiver and imported into Geosoft Oasis Montaj IP package. Every reading was inspected and readings which did not repeat were rejected from the database. Apparent resistivity was recalculated using a four electrode equation assuming a homogeneous earth. The average apparent chargeability was calculated using a weighted mean based on the number of stacks and the standard deviation of the chargeability.

GPS points were dumped from the non-differential handheld units and the coordinates for the stations determined by linear interpolation between stations.

Pseudosections of apparent resistivity, apparent chargeability and apparent chargeability error, draped over topography, were produced with Oasis Montaj. These pseudosections are included with this report in PDF format as well as packed Oasis Montaj map files.

d. Products.

The following files are included in the digital version of this report:

\\Final Data\\Layfield IP.GDB & .XYZ	Final Database in geosoft gdb and ASCII .XYZ format
\\Final Data\\Miller Creek IP.GDB & .XYZ	Final Database in geosoft gdb and ASCII .XYZ format
\\Final Data\\IP Channels.txt	Description of the channels in the final database.
\\Figures*. *	Pseudosections and the location map in .pdf and packed Geosoft map formats
\\Raw Data*. *	All the RAW IP and GPS data collected during the survey organized by date.
\\RDU-11534-YT IP Field Report.pdf	A copy of this report in pdf format
\\RDU-11534-YT Daily Report.pdf	Daily operations report in pdf format.

Respectfully submitted,
AURORA GEOSCIENCES LTD.
Genevieve Hetu