## PHYSICAL WORK

RECEIVED

JAN 2 - 2002

Gold Commissioner's Office VANCOUVER, B.C.

**REPORT** 

On The

Kingdom Mineral Claim

Lillooet Mining Division

NTS Map Sheet 92J/15 W

Co-Ordinates:

North: 50° 48'

East: 120° 48'

For

Assessment Work

By

Edward Skoda

GEOLOGICAL SURVEY BRANCH

June 15, 2001 Vancouver, BC

26,744

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#### INTRODUCTION

The KINGDOM mineral claim was laid out and staked to encompass the KINGDOM Lake, Noel Lake, and Lost Lake, waterway system. The objective of this annual physical work program is to commence soil sampling over a small gridded area encompassing a new iron stained showing located on the West shore of Noel Lake. A total budget of 3,804.61 was expended on this project.

#### LAND TENURE

The KINGDOM claim was located and staked by Mr. Edward Skoda on March 17, 1999, and is presently in good standing. The claim block was originally staked as 18 units, but has now been reduced to 12 units totaling 300 Hectares.

#### ACCESS AND LOCATION

The legal corner post (LCP) is located on the north shore of Lost Lake. The Lost Lake access road, which is a spur of the KINGDOM Lake logging road, which in turn Junctions five kilometers south of Gold Bridge on the Bralome road. The Kingdom Lake logging road is not active in the winter. Access to the three grids is by snowmobile during the winter months and vehicle during the summer months.

#### PHYSIOGRAPHY

The topography on the eastern claim boundary is extreme. The remaining claim area is rolling topography with a system of lakes trending northward through the claim. Grid elevation is approximately 1250 meters.

#### PREVIOUS WORK

In February 2000, SJV Geophysics conducted a two line survey, over a segment of Kingdom Lake, using the IP system. This physical work was not filed in time for assessment credit. The results of this survey confirmed a fault structure, trending northward, on the West shores of Kingdom Lake.

### TECHNICAL DATA AND INTERPRETATIONS

Prospecting along the West shore of Noel Lake has uncovered an iron stained outcrop of the Pioneer Formation. This structure appears to be trending die West. A temporary localized grid was initiated over the trend with twenty-five soil samples collected and five rock chip samples taken for Geochemical and gold analysis.

### INTERPRETATIONS cont'd

The outcropping and trenching confirm that there is an anomalous structure tending South West – North East through the Kingdom Mineral Claim. This anomaly concurs with the I.P. survey results and conclusion that projects a changeability anomaly trending North Eastward from the Western shore at Kingdom Lake.

### RECOMMENDATION

A winter I.P. Survey program should be conducted over Noel Lake. This survey should include two full lines carried from the Western claim line to tie in the localized gridding covering Noel Lake.

### ITEMIZED COST STATEMENT

June 15, 2001

# Kingdom Mineral Claim Bralorne Gold Camp, B.C.

| 1. | Fees for Service:<br>3 days @ \$300/day | \$ 900.00 | \$ 1,350.00 |
|----|---|-----------|-------------|
|    | Assistant 3 days @ \$150.00/day         | \$ 450.00 |             |
| 2. | Accommodation 4 days                    |           | 259.04      |
| 3. | Board                                   |           |             |
|    | 3 days                                  |           | 275.77      |
| 4. | Transportation: (AVIS)                  |           | 146.48      |
|    | 277.46 (3/5)                            |           | 51.49       |
| 5. | Field Supplies                          |           | 385.33      |
| 6. | Assays: Chemex Labs (88.01 + 39         | 2.69)     | 480.70      |
| 7. | I.P. Survey Report                      |           | 856.00      |
|    | TOTAL COST                              |           | \$ 3,804.81 |

### STATEMENT OF QUALIFICATION:

### I, Edward F. Skoda, do hereby certify that:

 I am a contract Mine Technologist with a business address at Suite 320, 1100 Melville Street, Vancouver, BC, V6E 4A6

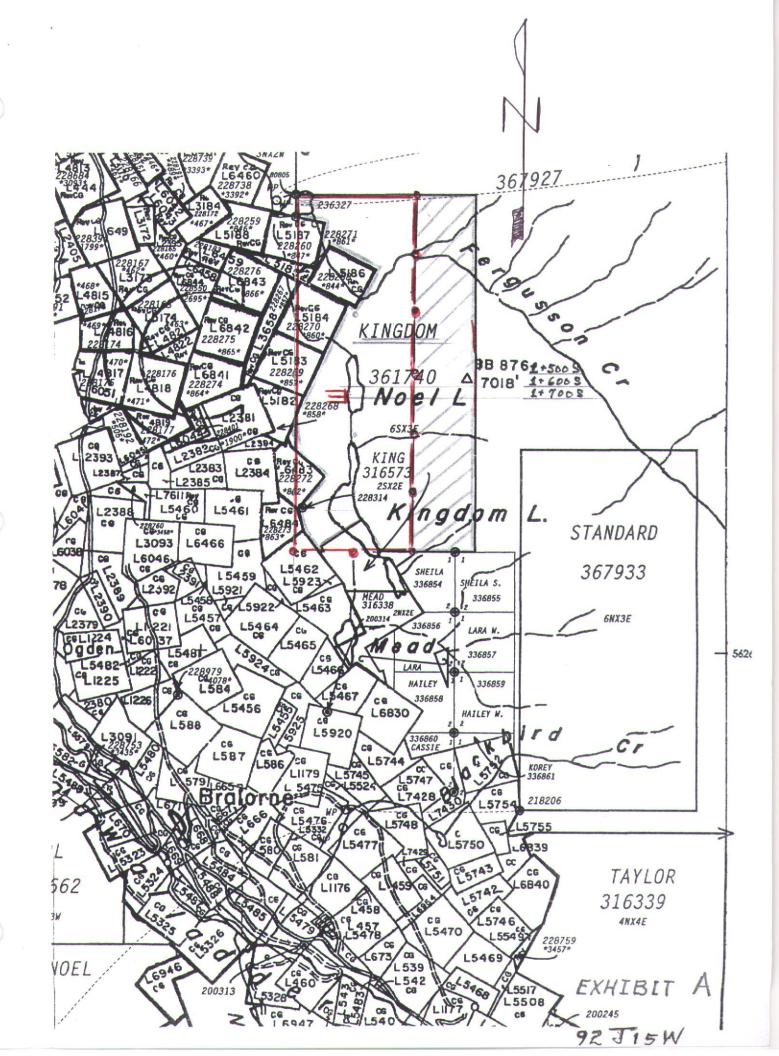
Telephone: (604) 688-3931

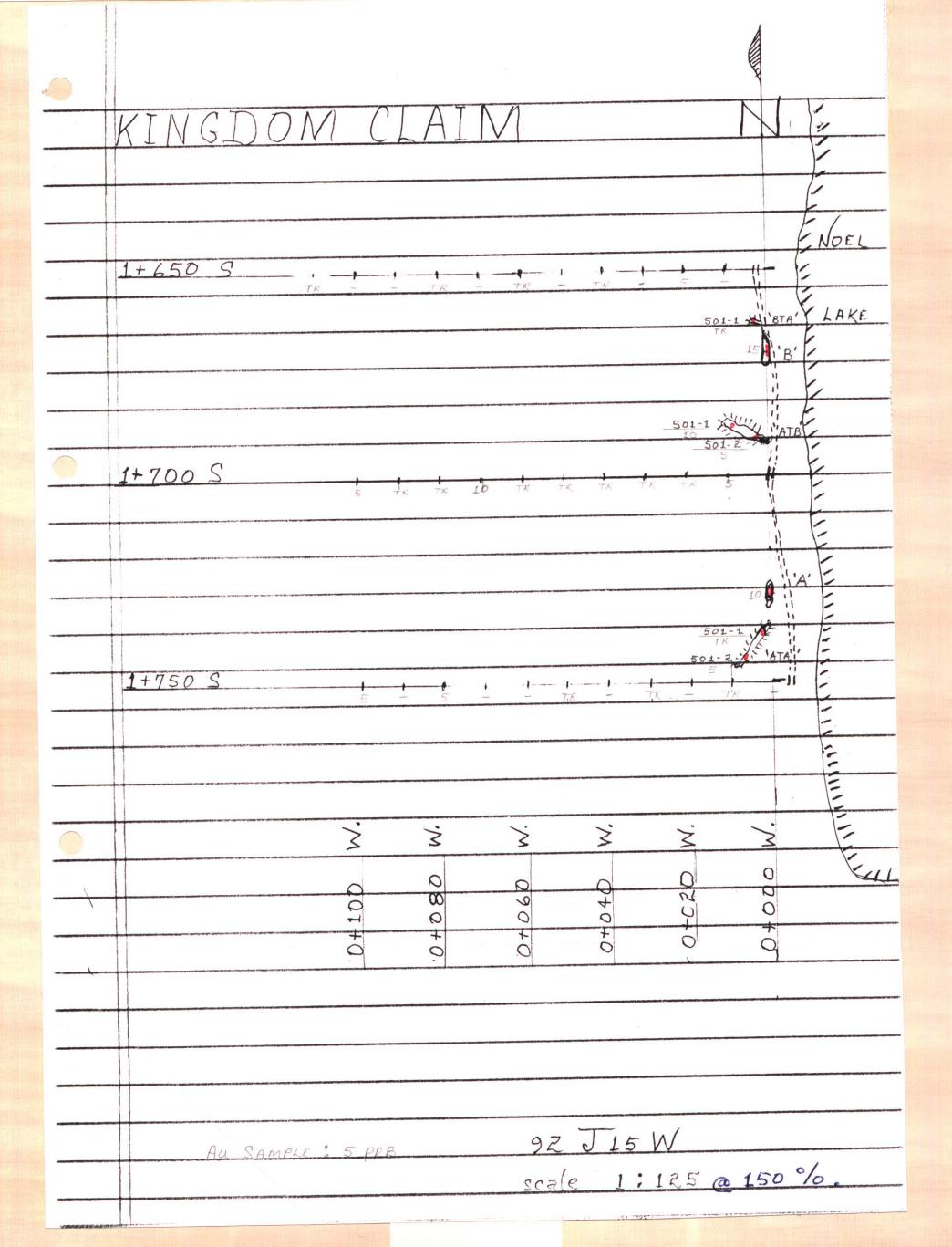
Fax: (604) 688-2921

- 2. My Qualifications are:
  - BCIT, Burnaby Campus 1974-76
  - 2 Year Diploma in Business Administration
  - School of Mines, Haileybury, Ontario, 1968-71
  - 3 Years Diploma in Mining Technology
  - Free Miners Certificate No. 124862
  - Placer and Gravel Supervision No. 98-3396
  - Underground Shift Boss No. 940
- 3. I have been active in my mining career throughout Canada, USA, Ireland, Australia and New Zealand since 1971.
- 4. I conducted the soil sampling program on the Kingdom mineral claim for the physical work program from May 30, 2001 to June 1, 2001.

Edward Skoda June 15, 2001

-5-







Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbenk Ave., North Vencouver British Columbia, Canada V7J 2C1 PHONE: 504-984-0221 FAX: 604-984-0218

To: SKODA, ED

320 - 1100 MELVILLE ST. VANCOUVER, BC VBE 446

Project: KINGDOM ATTN: RICK HETNEY

Page Number :1-A Total Pages :1 Cedificate Date:17-JUL-2001 Invoice No. :10120051 P.O. Number : Account :PLX

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CERMITICATION:



# **ALS Chemex**

212 Brooksbank Ave., North Varissuver British Cotumbia, Canada V7J 2C1 PHONE: 604-984-0221 FAX: 604-984-0218

To: SKODA, ED

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Avera Laboratory Services Ltd. Analytical Chemists \* Geochemists \* Registered Assistors 212 Brooksbenk Ave., North Vancouver British Columbia, Canada V7J 2C1 PHONE: 604-984-0221 FAX: 604-984-0218

To: SKODA, ED

320 - 1100 MELVILLE ST. VANCOUVER, BC V6E 4A6

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CERTIFICATION: Kausence (19



# SJ Geophysics Ltd. S.J.V. Consultants Ltd.



11762-94th Avenue. Delta BC V4C 3R7 CANADA

Bus: (604) 582-1100

Fax: (604) 589-7466

E-mail: trent@sigeophysics.com www.sigeophysics.com

### Memorandum

To: Mr. Ed Skoda

From: E. Trent Pezzot

Date: March 21, 2001

re: Kingdom Lake IP

Dear Mr. Skoda:

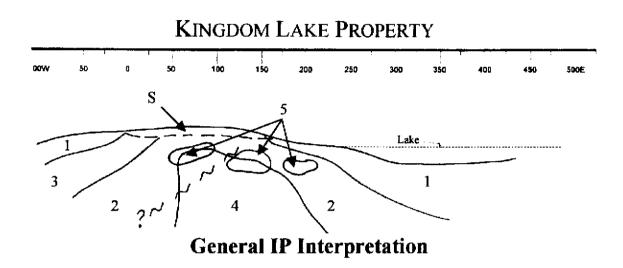
This memorandum summarizes the results of a test IP survey conducted by SJ Geophysics Ltd. on your behalf across a portion of the Kingdom Lake Claim, located in the Lillooet Mining Division, NTS: 92J/15W at approximate geographical co-ordinates latitude 50<sup>0</sup> 48'N and longitude 122<sup>0</sup> 48'W.

The survey was completed in February, 2000 and consisted of 2 lines (2400S and 2500S) of pole-dipole IP surveying, utilizing an "a" spacing of 20 metres and "n" values of 1 - 6. The eastwest oriented survey lines were some 600 metres long, spaced 100 metres apart and extended west from the shore of Kingdom Lake over a gentle hill. The lake was frozen at the time of the survey, which allowed the crew to extend coverage into the lake. Holes were augured through the ice and electrodes dropped into the lake bottom sediments.

The intention of the survey was to test the IP technique to determine whether it could be used as a mapping tool on this property. The IP technique is generally used to explore for disseminated sulphides or porphyry style targets and anomalies are predominantly identified by high chargeability responses. Resistivity and chargeability variations can also be used to identify discrete geological units and provide general mapping information. A sulphide and/or gossan zone is reported approximately 1 kilometre north of the test area, along the western shore of Noel Lake.

The IP results are presented in two basic formats on four figures attached to this memo. Each figure compares a coloured pseudosection of the apparent resistivity or chargeability data with a coloured depthsection of the same parameter, based on the output from the UBC DCIP2D inversion program. The depthsection shows the interpreted distribution of the resistive and chargeable materials and unlike the pseudosection, can be viewed in the same manner as a geological crosssection.

I have interpreted six units, based on distinct resistivity and chargeability traits, that are common to both survey lines as illustrated on the sketch below.



Unit S: : Highly variable resistivity and chargeability.

Unit 1: Resistivity > 1000 ohm-m, chargeability < 5 msec.

Unit 2: Resistivity 20-100 ohm-m, chargeability < 5 msec.

Unit 3: Resistivity ~ 20 ohm-m, chargeability >35 msec.

**Unit 4:** Resistivity < 10 ohm-m, chargeability < 5 msec.

**Unit 5:** Resistivity < 10 ohm-m, chargeability >35 msec.

The **S** unit appears to form a thin surface layer covering the higher elevations. The highly variable responses suggest it may be reflecting unconsolidated overburden.

Unit 1 is most evident on the eastern portion of the lines, forming a wedge starting part way up the hill and thickening to the east, plunging beneath Kingdom Lake. There is evidence of a similar unit forming on the western slope of the hill but this response is not as clearly defined.

Unit 2 is considered the background. Resistivities vary smoothly between 20 and 100 ohm-m with weak evidence of some westerly dips, possibly reflecting geological bedding or faulting.

Unit 3 is a high chargeability unit located along the western ends of the lines. It exhibits higher amplitudes closer to the surface on the southern line. On the northern line there is evidence that the unit dips  $\sim 45^{\circ}$  to the west.

Unit 4 is defined by a strong resistivity low that approaches very close to the ground surface and extends to depth. The overall impression is that this unit dips steeply to the east.

Unit 5 is defined by high chargeability zones located at the top of or immediately above unit 4. There are several localized occurrences of this unit, most of which appear to be buried some 25 to 60 metres below the surface.

Similar responses are seen on both survey lines, suggesting they are mapping trends that can likely be traced along strike. With only two lines it is difficult to extrapolate that strike, but it appears to be generally north-south. There are also changes in the size and amplitude of some of the responses, suggesting that these source bodies vary along strike.

Units 3 and 5 are the most typical IP anomalies, exhibiting high chargeability and (in this case) relatively low resistivities. These units are observed at depth on both lines however they also appear to be closer to the surface on the southern line (2500S) and could possibly be identified by geological mapping or shallow trenching in this area.

From a technical aspect, this test should be considered a success. Geophysical responses were recorded which likely reflect the underlying geology and several high chargeability anomalies were identified which could correlate with the mineralization reported to the north. This interpretation should first be reviewed by the project geologists in order to determine whether any of the geophysical units can be correlated with known geology but continued use of this technique is warranted, specifically to the north of the test site in order to determine relationship between the known mineralization and chargeability anomalies.

Good signals were obtained on all six dipoles and it is likely that a wider electrode array could gather reliable data at greater depths. Future surveying should consider using an expanding array. There are significant changes in the size, shapes and orientations of geophysically defined units, suggesting that the zones could be quite variable along strike. Any future surveying to trace these units will require detailed gridding, with lines spaced no more than 100 metres apart and possibly even closer in some areas.

Respectfully submitted,

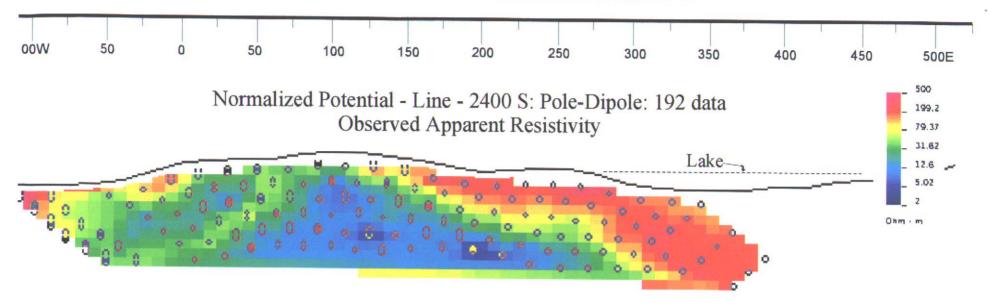
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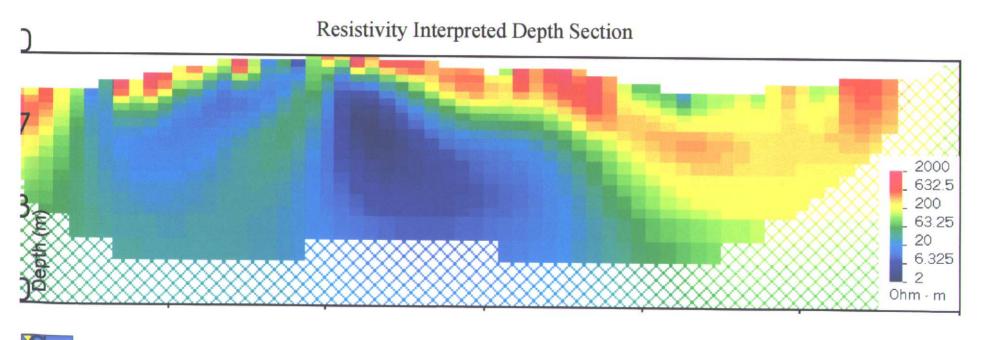
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E. Trent Pezzot B. So. P. Geo

Geophysics, Geology.

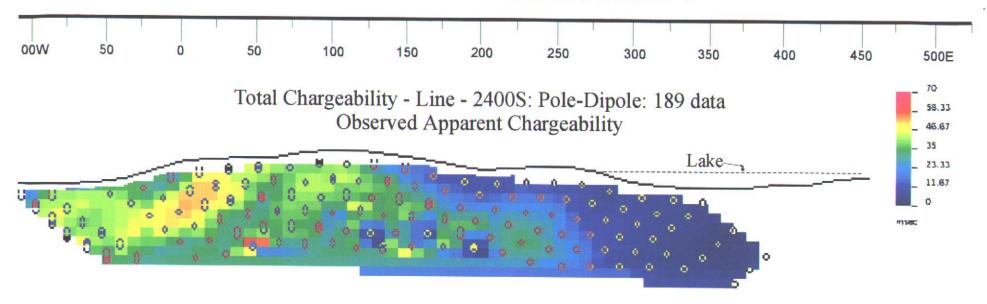
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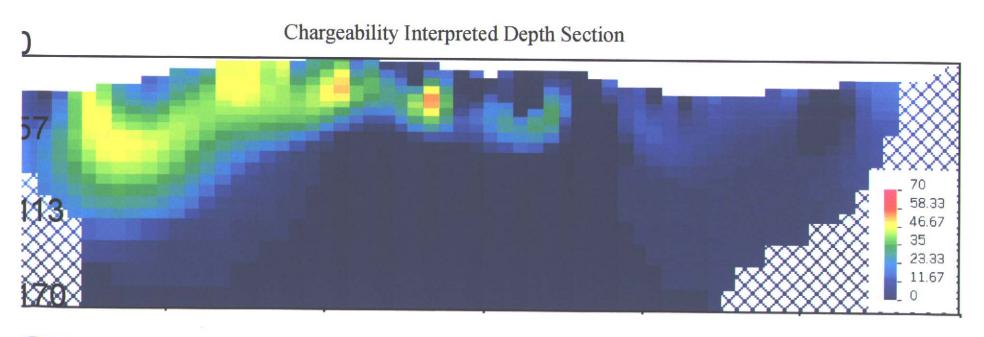




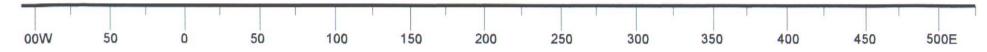


**Line 2400S** 

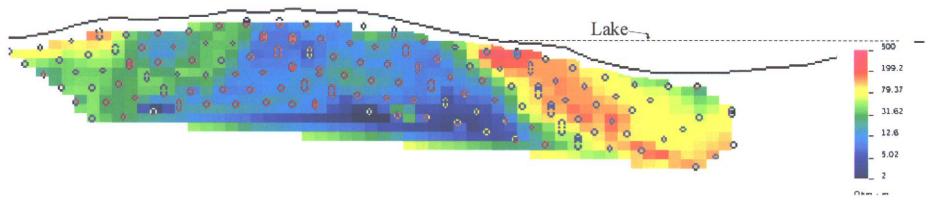




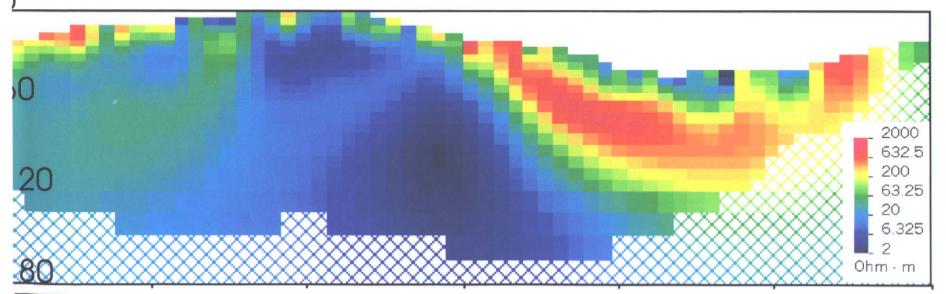




Normalized Potential - Line - 2500 S: Pole-Dipole: 168 data Observed Apparent Resistivity





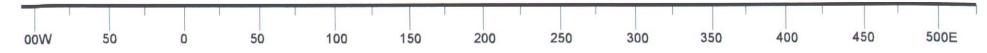




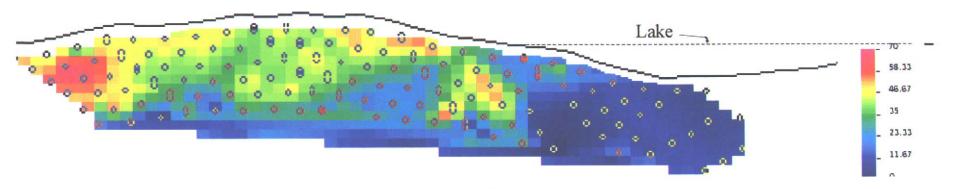
S.J.V. Consultants Ltd.

Scale 1:2500

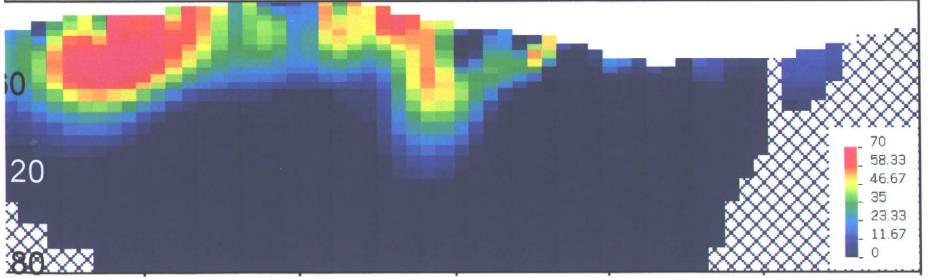
Line 2500S



Total Chargeability - Line - 2500S: Pole-Dipole: 156 data Observed Apparent Chargeability









**Line 2500S**