

PETER E. WALCOTT
& ASSOCIATES LTD

Geophysical Services

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A GEOPHYSICAL REPORT

ON

INDUCED POLARIZATION SURVEYING

Stewart Area, B.C.
56° 40'N, 120° 35'W
N.T.S. 104A/11 & 12

FOR

GEOFINE EXPLORATION CONSULTANTS LTD.

Toronto, Ontario

BY

PETER E. WALCOTT & ASSOCIATES LIMITED

Vancouver, B.C.

OCTOBER 1997

25,390

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

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INTRODUCTION.

Between August 5th and 19th, 1997, Peter E. Walcott & Associates Limited carried out induced polarization (I.P.) surveying over parts of a large property, located in the Stewart area of British Columbia, for Geofine Exploration Consultants Ltd.

The surveying was conducted over two grids, the Deltaic grid with traverse lines N 30°W, and the Delta West grid with lines at N 60°E.

Measurements (first to sixth separation) of apparent chargeability and resistivity were made every 25 metres along the survey lines using the pole-dipole method of surveying with a 25 metre dipole.

In addition measurements of the total intensity of the earth's field were made at 12.5 metre intervals over five lines on the Delta West grid using a Scintrex Envi precession magnetometer.

The I.P. data are presented on individual pseudosections bound in this report at 1:2500. In addition the 21 point filter chargeability and resistivity for the Deltaic grid are presented in contour form on plan maps of the line grid at 1:5000. The results of the magnetic survey are presented in profile form at 1:5000.

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PROPERTY, LOCATION & ACCESS.

The property is located in the Skeena Mining Division of British Columbia and consists of the following fifty seven mining claims:

DELTA 1,2; FOX 1-26, 30-50; OLD 1-4; PAT 50-53.

These claims total 1074 claim units as registered on the British Columbia Minerals Titles Maps.

The claims are situated on either side of but mostly to the east of the Stewart-Cassiar Hwy., some 65 kilometres north of Meziadin Junction, and some 80 air-kilometres northeast of the town of Stewart, British Columbia.

Access to the Deltaic grid was by means of rotary aircraft from a take-off point on the above highway, while that to the Delta West grid was by means of 2 wheel drive vehicle from Bell 2 as the grid lines cross the highway.

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GEOLOGY.

The property is mostly underlain by rocks of the Jurassic Hazelton Group and the Paleozoic Stikine Assemblage which have been exposed by the uplift of broad anclinal features known as the Oweegee and Ritchie Domes and by the erosion of the Upper Jurassic sediments of the Bowser Basin.

For better and more detailed information the reader is referred to reports by and/or held by the management of Geofine Exploration Consultants Ltd. and to various publications by the respective Geological Surveys of Canada and British Columbia

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PURPOSE.

The purpose of the survey was to try and locate areas of sulphide occurrences in the underlying Hazelton Group, known to be prospective for hosting VMS stratabound base metal and precious metal deposits, in an effort to locate directly or indirectly economic mineralization.

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SURVEY SPECIFICATIONS.

The induced polarization (I.P.) survey was conducted using a pulse type system, the principal components of which are manufactured by Hunttec Limited of Metropolitan Toronto, Ontario, and Iris Instruments of Orleans, France.

The system consists basically of three units, a receiver (Iris) transmitter and a motor generator (Hunttec). The transmitter, which provides a maximum of 7.5kw d.c. to the ground, obtains its power from a 7.5kw 400 c.p.s. three phase alternator driven by a gasoline engine. The cycling rate of the transmitter is 2 seconds "current-on" and 2 seconds "current-off" with the pulses reversing continuously in polarity. The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through the current electrodes C_1 and C_2 , the primary voltages (V) appearing between any two potential electrodes, P_1 through P_7 , during the "current-on" part of the cycle, and the apparent chargeability, (M_a) presented as a direct readout in millivolts per volt using a 200 millisecond delay and a 1000 millisecond sample window by the receiver, a digital receiver controlled by a micro-processor - the sample window is actually the total of ten individual windows of 100 millisecond widths.

The apparent resistivity (ρ_a) in ohm metres is proportional to the ratio of the primary voltage and the measured current, the proportionality factor depending on the geometry of the array used. The chargeability and resistivity are called apparent as they are values which that portion of the earth sampled would have if it were homogeneous. As the earth sampled is usually inhomogeneous the calculated apparent chargeability and resistivity are functions of the actual chargeability and resistivity of the rocks.

The survey was carried out using the "pole-dipole" method of Surveying. In this method the current electrode, C_1 , and the potential electrodes, P_1 through P_7 , are moved in unison along the survey lines at a spacing of "a" (the dipole) apart, while the second current electrode, C_2 , is kept constant at "infinity". The distance, "na" between C_1 and the nearest potential electrode generally controls the the depth to be explored by the particular separation, "n", traverse.

On these surveys a 25 metre dipole was employed and first to sixth separation readings were obtained.

The magnetic survey was carried out using an Envi proton precession magnetometer manufactured by Scintrex Ltd. of Metropolitan, Toronto, Ontario. This instrument measures variations in the earth's magnetic field intensity to an accuracy of plus or minus one gamma. Corrections for diurnal variations of the earth's field were made by comparison with readings taken at 20 second intervals on a similar Envi base magnetometer.

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DISCUSSION OF RESULTS.

It should be mentioned here that the writer has not seen the results of the airborne E.M. and magnetic survey, the geological mapping or the geochemical surveying carried out over the property and/or parts thereof.

The Deltaic Grid.

The I.P. survey as performed with a 25 metre dipole showed this portion of the property to exhibit a low chargeability background - 3 to 6 mV/V - above which several anomalous zones are clearly discernible as can be seen from the respective pseudosections.

The probable extent of these zones are shown on Map W-557-1, the contoured plan map of the 21 point filter chargeability values.

The most prominent and/or correlatable of these zones are labelled A, B, C, D & E on this map and on the respective pseudosections.

Zone A has an indicated shallow flat-lying causative source on Lines 4600 to 4800E with an accompanying resistivity high but its source thickens considerably on Line 4900 & 5100E respectively. However the same high resistivity can be observed on the smaller spacings.

Zones B and C exhibit the characteristic pole-dipole pattern response of a shallow body of limited depth extent, with these patterns being very similar on Lines 4800 or 4900E respectively.

Zone D also appears to have a causative source of limited depth extent as shown by the pattern of the chargeability results on Line 4800E.

Zone E located on the northern extremity of Line 5100E and undefined to the north also appears to exhibit similar characteristics.

A north northwesterly trending fault would appear to cut across the grid as suggested by the offset in zones B and C on Lines 4800 and 4900E respectively. This offset, however, is not suggested by the contoured plan of the 21 point filter resistivity results as illustrated on Map W-557-2. This offset could be attributable to folding.

No resistivity contrast is seen between the volcanics and the arkose-siltstones as per the regional mapping of Greig and Evenchick. The strongest resistivity feature is due to the creek trending northeastwards at the north end of Line 4600N.

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DISCUSSION OF RESULTS cont'd.

Inverse chargeability modelling carried out by the writer on Lines 4800, 4900 & 5100E respectively would appear to confirm the above interpretation of the causative sources as can be seen from the model chargeabilities and depths on the profiles.

Although the writer is not familiar with the property geology, presumably these anomalies are attributable to sulphide mineralization in the underlying volcanic package on and/or around the contact with porphyritic intrusions.

Similarly less pronounced anomalies are also presumably caused by lesser concentrations of sulphide mineralization and should not be overlooked in the quest for gold occurrences.

Delta West Grid.

Three traverses were carried out on this grid on lines approximately 800 and 400 metres apart.

They cross an area mostly covered by overburden but underlain by rocks of the Bowser Group to the west, and Hazelton Group - Lower Middle Salmon River Spatzi and Lower Jurassic Volcanics - to the east as per the regional mapping of Greig & Evinchick.

Some suggestion of this geology can be seen on the resistivity results which generally show an area of less than 500 ohm-metres to the west, and area of 700 to 1000 in the centre and an area of 1200 and greater to the east trending through all three profiles. These areas show reasonable correlation to the interpreted contacts on the geology map.

A zone of medium resistivity can be seen in the larger one of lower resistivity on Lines 2200 and 2600N and a zone of lower resistivity is observed in the area of high resistivity at the eastern end of Line 1400N.

The lower resistivities in the extreme west end of Line 2600N are due to the flood plain of the Bell - Irving river.

The chargeability results show the background to be similar to that of the Deltaic grid as can be seen from the chargeability values on the extremes of the respective pseudosections.

Within these extremities higher chargeabilities were observed within complex zones associated with interpreted Hazelton Group rocks as per the resistivity survey.

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DISCUSSION OF RESULTS cont'd

Like the resistivity features the chargeabilities apparently show reasonable line to line correlation despite the large line separations.

The more prominent of these or parts of these zones in chargeability magnitude and/or correlatability are labelled as Zones "A", "B", "C", "D" & "E" on the respective pseudosections.

Zone "A" is observed trending across all three lines, and is associated with a geochemical anomaly on Line 2600N as per personal communication with Geofine's representative.

Zone "B" is also observed on all three lines and is also associated with higher geochemical soil results.

Zone "C" is most prominent on Line 2600N and is also observed on Line 2200N associated with the area of medium resistivities. It could extend across to Line 1400N but here it is mostly associated with higher resistivities.

Zone "D" is a zone of moderate chargeability associated with the area of medium resistivity in the larger area of lower resistivities on the western portion of the lines. Apparently some good geochemical response was obtained over it on Line 2200N.

Zone "E" is the strongest part of a complex zone occurring near the eastern end of Line 1400N. It is associated with the previously mentioned area of low resistivity.

Inverse chargeability modelling carried out on Lines 2200N and 2600N showed most of the causative features to be flatlying with significant depth extent.

The magnetometer survey carried out on Lines 1400N, 1800N, 2200N, 2400N (Reccy geochem. line) and 2600N respectively showed the property to exhibit a flat magnetic background above which a couple of low intensity local anomalies are discernible.

These anomalies are at the eastern end of Lines 1400N, 1800N and 2600N in areas of low chargeability and high resistivity.

No magnetic signature was observed with the above mentioned resistivity areas, or over the central high chargeability readings.

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SUMMARY, CONCLUSIONS & RECOMMENDATIONS.

Between August 5th and 19th, 1997, Peter E. Walcott & Associates Limited carried out limited induced polarization surveying on two grids for Geofine Exploration Consultants Ltd.

The grids, named the Deltaic and Delta West, were established on the Stewart property, located in the Stewart area of British Columbia.

Several zones of moderate chargeability responses thought by the writer to be related to sulphide mineralization were located on the Deltaic grid.

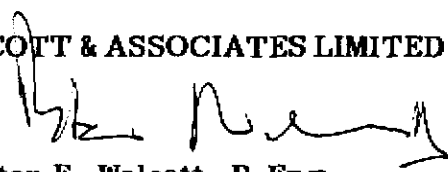
A large area of various complex anomalous chargeability zones were observed trending through the central portion of the Delta West grid in areas interpreted to be underlain by rocks of the Hazelton Group. Parts of these zones are associated with anomalous geochemical responses obtained on the reconnaissance soil sampling survey.

No magnetic response was obtained over these areas of higher chargeability.

As a result the writer recommends that the I.P. results be correlated with the known geology and geochemical results, information which he is not privy to, for a better understanding of the causative sources of the I.P. response prior to drilling on the Deltaic grid, and prior to additional I.P. on the Delta West grid.

Respectfully submitted,

PETER E. WALCOTT & ASSOCIATES LIMITED



Peter E. Walcott, P. Eng.
Geophysicist

Vancouver,
British Columbia

October 1997

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APPENDIX

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- i -

COST OF SURVEY.

Peter E. Walcott & Associates provided the geophysical equipment and three crew members on a daily basis. The cost of reporting was extra so that the total cost of services provided was \$25,519.50.

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PERSONNEL EMPLOYED ON SURVEY

- ii -

<u>Name</u>	<u>Occupation</u>	<u>Address</u>	<u>Dates</u>
Peter E. Walcott	Geophysicist	Peter E. Walcott & Assoc. 605 Rutland Court, Coquitlam, B.C. V3J 3T8	Aug. 5th, Sept. 12th to 14th, 1997 Oct. 3rd - 10th, 97
Alexander Walcott	Geophysical Operator	"	Sept. 28th - 30th Oct. 8th, 1997
G. MacMillan	"	"	Aug. 5th - 19th, 1997
D. Hewitt	"	"	"
P. Charlie	"	"	"
J. Walcott	Typing	"	Oct. 2nd & 10th, 1997
3 Helpers	Assistants	Geofine Consultants	Aug. 7th - 16th, 1997

**PETER E. WALCOTT
& ASSOCIATES LTD**

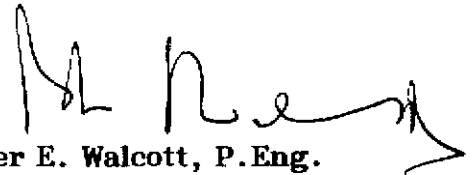
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CERTIFICATION.

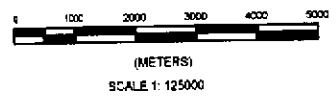
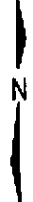
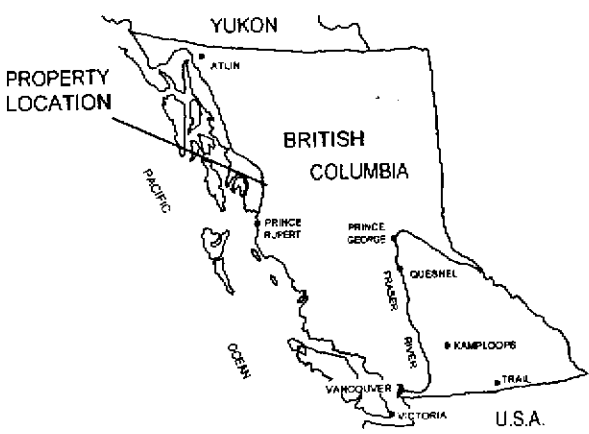
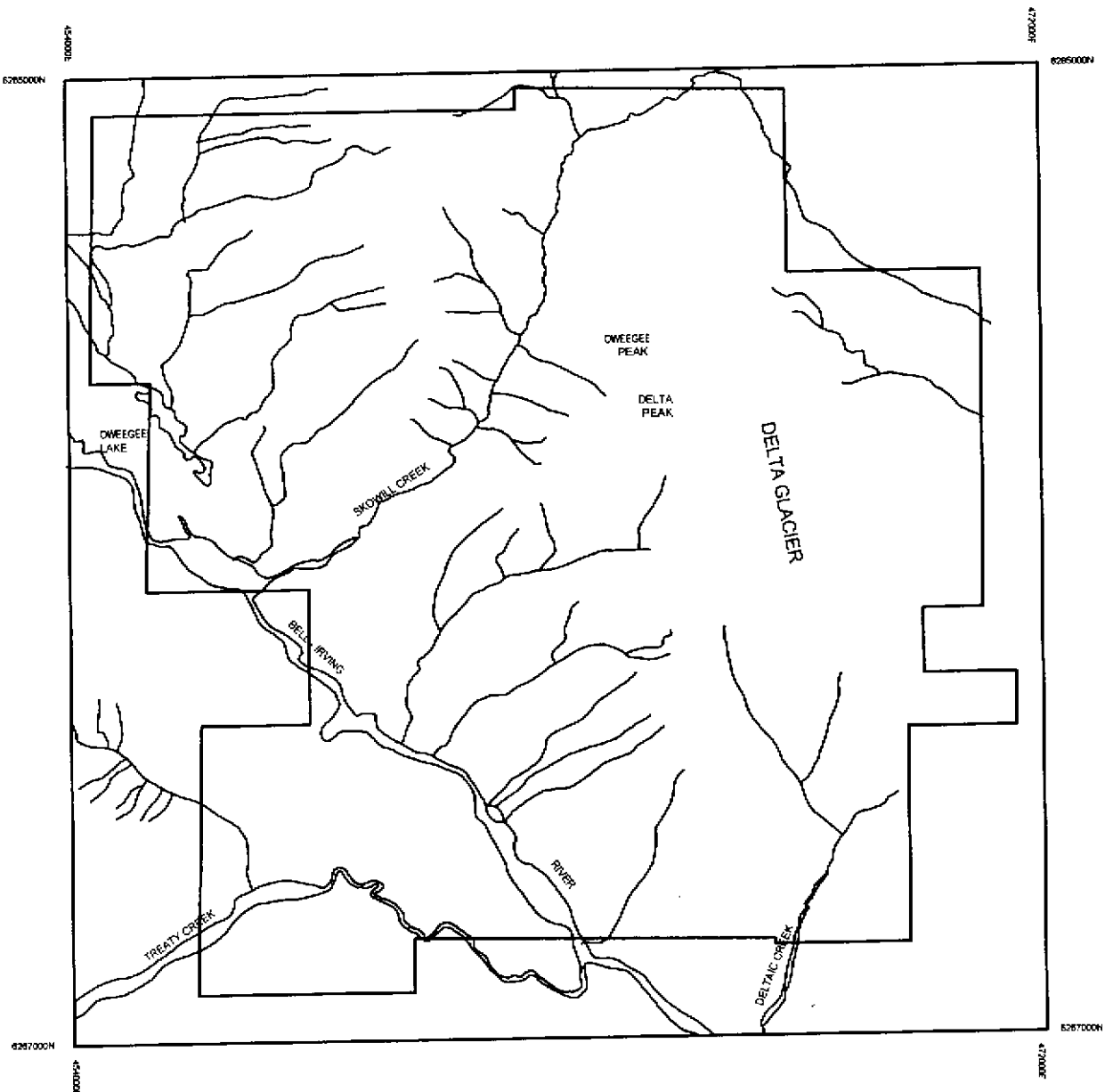
I, Peter E. Walcott, of the City of Coquitlam, British Columbia,
hereby certify that:

1. I am a graduate of the University of Toronto in 1962 with a B.A.Sc. in Engineering Physics, Geophysics Option.
2. I have been practising my profession for the last thirty five years.
3. I am a member of the Association of Professional Engineers of British Columbia and Ontario.



Peter E. Walcott, P.Eng.

Vancouver, B.C.
October 1997



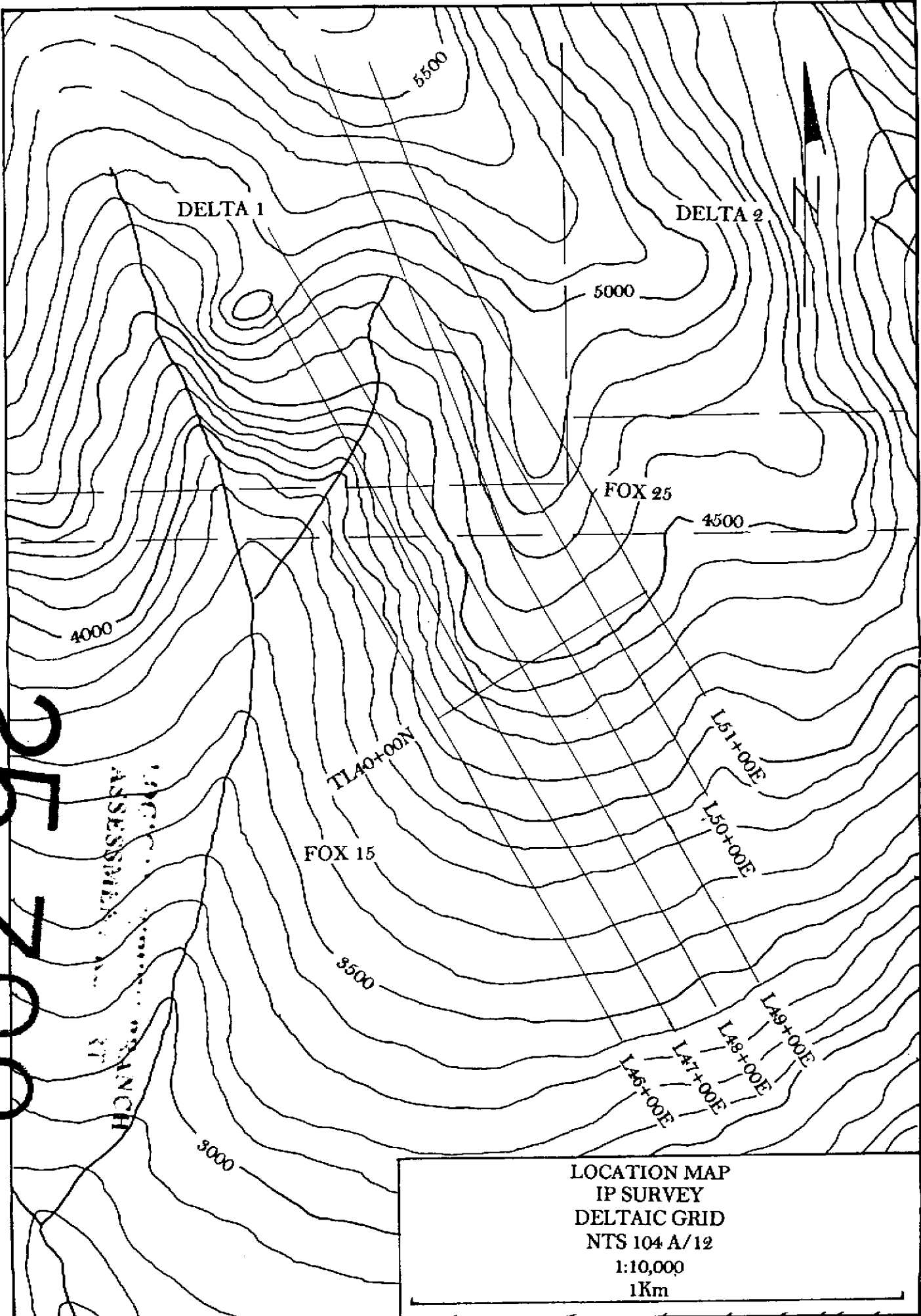
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CLAIM LOCATION MAP
 STEWART PROPERTY
 SKEENA M.D., B.C. NTS 104 A/12

Fig. 1 SEPT 1997

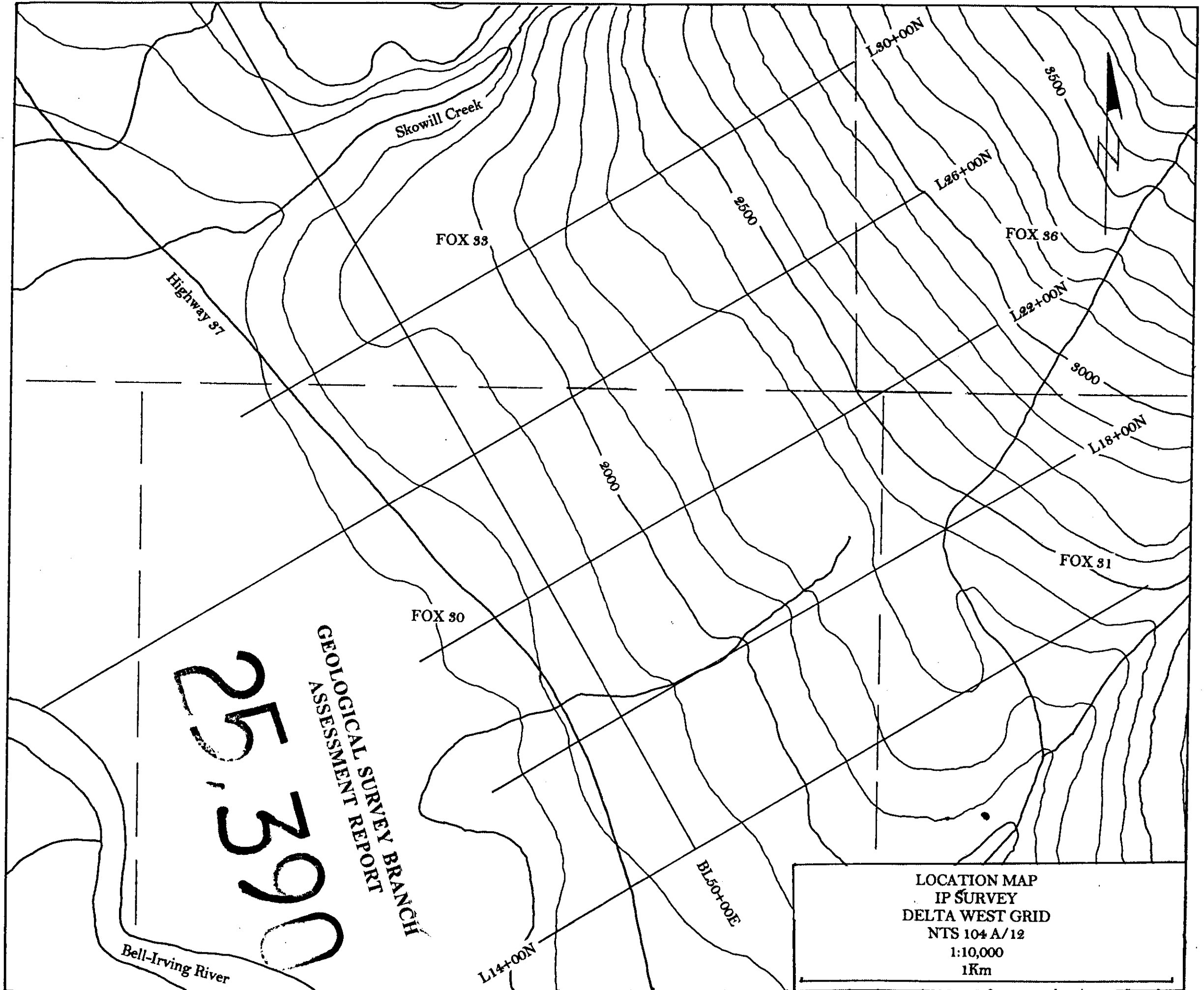
PETER E. WALCOTT & ASSOCIATES LIMITED

25,390



ASSESSMENT BRANCH

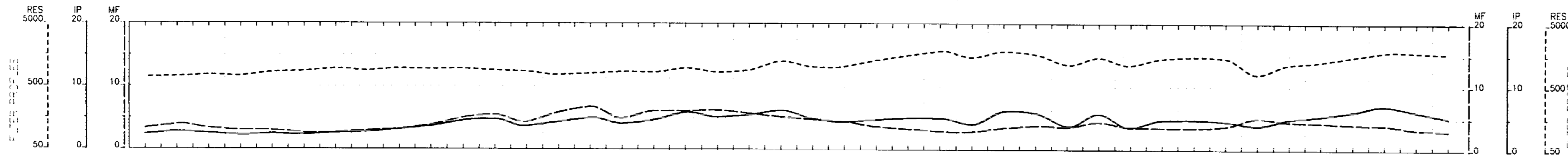
LOCATION MAP
IP SURVEY
DELTAIC GRID
NTS 104 A/12
1:10,000
1Km



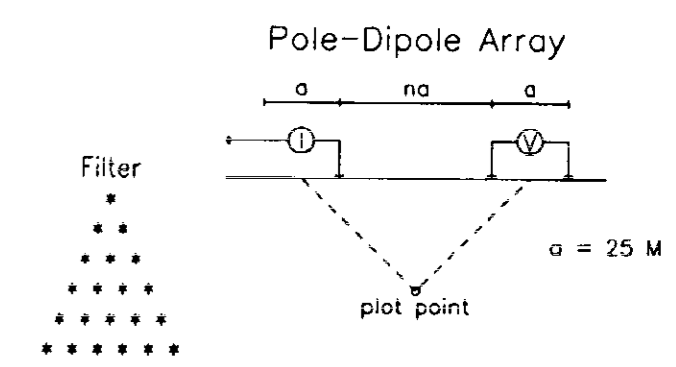
062,590

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

LOCATION MAP
IP SURVEY
DELTA WEST GRID
NTS 104 A/12
1:10,000
1Km



Line 4600 E

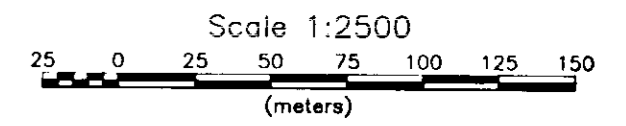


Instruments: Androtex 7.5 KW Tx., BRGM IP6 Rx.
 Frequency: 0.125 Hz.
 Operators: G.M., D.H.,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

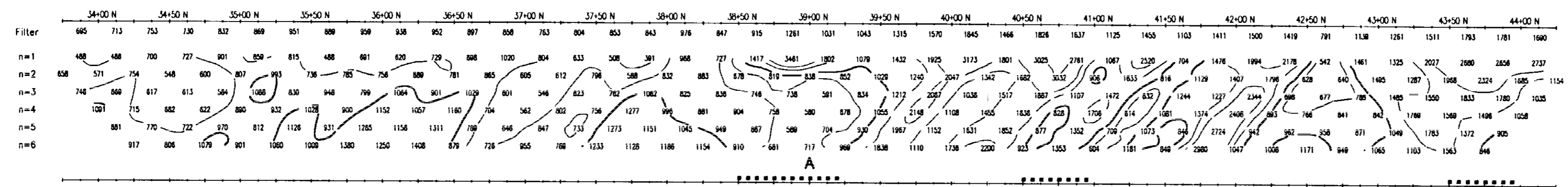
INTERPRETATION

- Well defined, (sharp) increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- | Resistivity feature.



RESISTIVITY

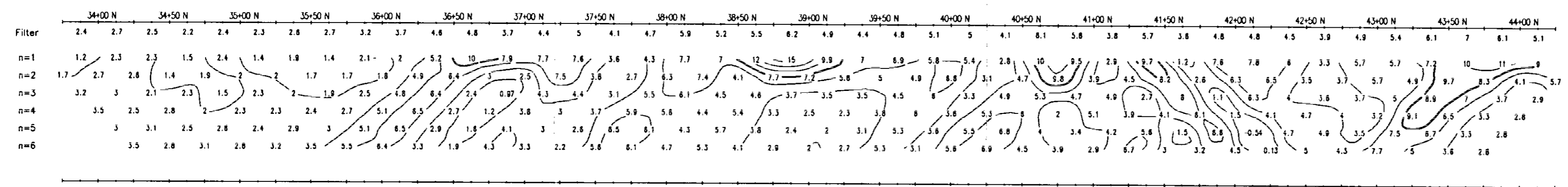
ohm metres



INTERPRETATION

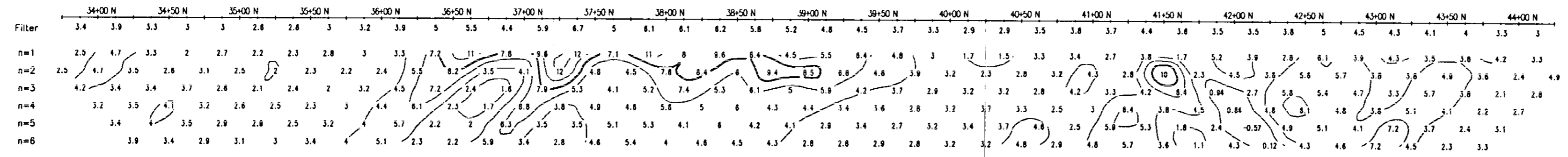
CHARGEABILITY

millivolt/volt



METAL FACTOR

oh/res x 1000



METAL FACTOR
oh/res x 1000

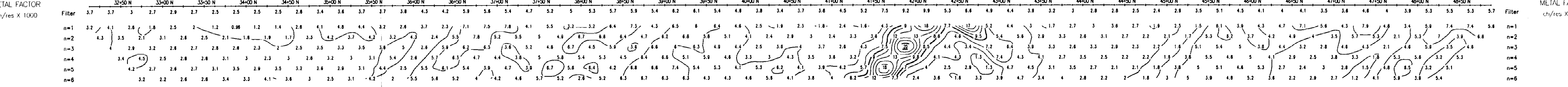
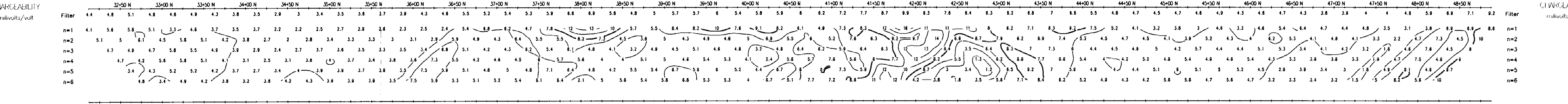
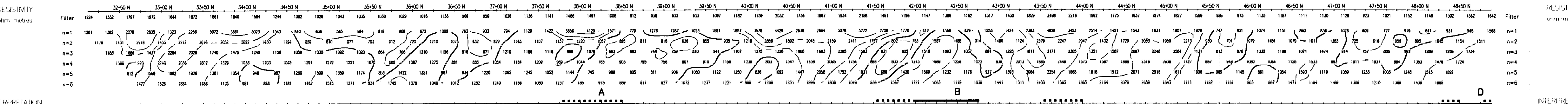
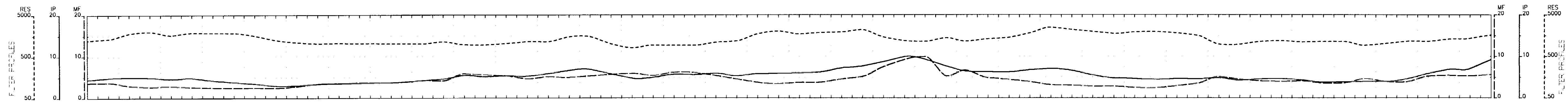
25370 pt 3 of 3

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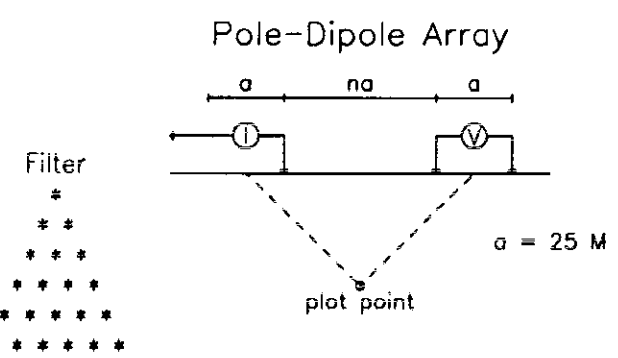
INDUCED POLARIZATION SURVEY
DELTAIC GRID, STEWART PROPERTY
SKEENA M.D., B.C.

Date: AUGUST 1997 N.T.S.: 104 A/12
 Interpretation: P.E.W.

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Line 4700 E

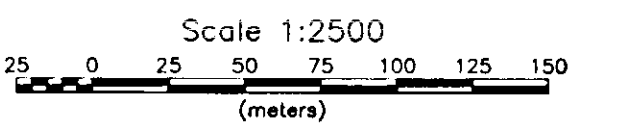


Instruments: Androtex 7.5 KW Tx., BRGM IP6 Rx.
 Frequency: 0.125 Hz.
 Operators: G.M., D.H.,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

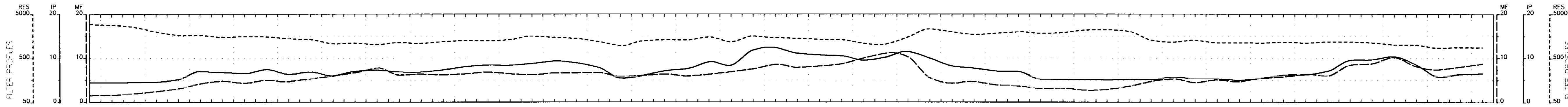
INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- Fairly well defined weak increase in polarization.
- | Resistivity feature.



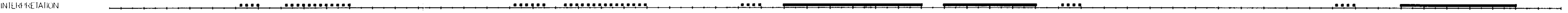
25290 pt 2 of 3

GEOFINE EXPLORATION CONSULTANTS LTD
INDUCED POLARIZATION SURVEY
DELTAIC GRID, STEWART PROPERTY
SKEENA M.D., B.C.
 Date: AUGUST 1997 N.T.S.: 104 A/12
 Interpretation: P.E.W.
PETER E. WALCOTT & ASSOC. LTD.



RESISTIVITY ohm-metres

Filter	34+00 N	34+50 N	35+00 N	35+50 N	36+00 N	36+50 N	37+00 N	37+50 N	38+00 N	38+50 N	39+00 N	39+50 N	40+00 N	40+50 N	41+00 N	41+50 N	42+00 N	42+50 N	43+00 N	43+50 N	44+00 N	44+50 N	45+00 N	45+50 N	46+00 N	46+50 N	47+00 N	47+50 N	48+00 N	48+50 N	49+00 N	49+50 N																																
n=1	2088	2827	2791	2023	1454	1556	1051	1225	1283	1250	1371	781	844	582	1011	874	1284	1337	1121	1578	3263	2884	2870	2592	1132	2579	2709	1778	2651	848	2082	1417	1582	1803	1887	1431	1285	2521	4831	2274	1311	2239	3201	1557	1098	1484	1723	2519	1408	1838	1729	918	1042	708	778	570	705	779	1004	959	1208	788	1011	1288
n=2	3086	3487	2821	1437	1831	1408	1252	1730	1282	1553	945	993	928	863	1053	878	1280	1199	1223	1135	1203	1331	988	727	1072	724	630	1490	882	1256	1533	1361	1259	1577	1356	850	961	1786	2908	1590	1834	1409	1813	1484	1778	2470	2880	1716	900	1872	1458	1003	799	1083	752	850	1113	1040	891	1089	813	1084	881	798
n=3	3794	3024	1886	1817	1444	1304	1810	1470	1683	964	1191	870	1185	971	1042	1638	1288	1319	1180	1140	1528	940	786	827	821	785	1501	863	1271	1341	1802	1218	1444	1350	887	855	961	1117	2063	2171	1980	1482	1502	1444	2023	2546	3423	1935	858	1056	1355	1283	978	1222	916	1064	1280	1281	999	1089	803	1107	885	538
n=4	5178	1808	1891	1488	1506	2057	1520	1865	1028	1220	884	1329	1222	1085	1186	1148	1329	1227	1190	1650	1048	880	878	890	923	1443	723	1407	1486	1421	1422	1484	1329	857	836	844	553	1901	1901	2453	1707	1582	1380	1911	2570	3443	2286	943	991	908	1084	1171	1441	1038	1233	1448	1353	1172	1213	813	987	853	501	
n=5	1972	2142	1577	1472	1894	1619	1978	1130	1302	1053	1466	1083	1294	1155	1287	1220	1223	1248	1720	1077	964	837	734	833	1682	748	1545	1609	1568	1288	1714	1378	908	664	824	1171	1630	2118	2058	1713	1423	1787	2384	3594	2284	1059	1089	880	763	1088	1619	1199	1358	1453	1510	1317	1361	919	900	861	487			
n=6	2167	1817	1532	1818	1568	2144	1175	1402	1108	1495	1177	1289	1322	1234	1314	1144	1238	1785	1088	1012	1018	770	878	1503	851	1555	1781	1719	1412	1820	1588	982	648	748	1135	1322	1880	1830	2010	1502	1789	2325	3427	2417	1071	1183	913	709	808	1403	1301	1517	1645	1878	1457	1487	1012	1087	863	487				

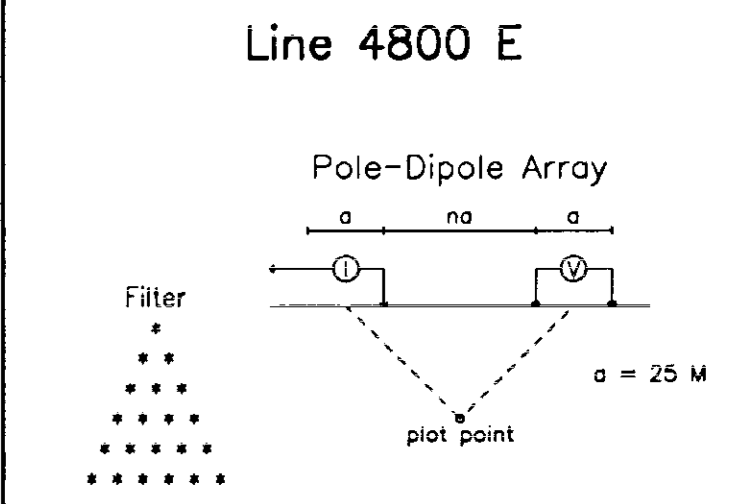


CHARGEABILITY millivolts/volt

Filter	34+00 N	34+50 N	35+00 N	35+50 N	36+00 N	36+50 N	37+00 N	37+50 N	38+00 N	38+50 N	39+00 N	39+50 N	40+00 N	40+50 N	41+00 N	41+50 N	42+00 N	42+50 N	43+00 N	43+50 N	44+00 N	44+50 N	45+00 N	45+50 N	46+00 N	46+50 N	47+00 N	47+50 N	48+00 N	48+50 N	49+00 N	49+50 N																																														
n=1	4.6	4.5	4.6	4.6	5.2	7	6.8	6.5	7.4	6.3	6.9	6	7	7.3	6.9	6.8	7.3	8	8.4	8.4	8.8	8.3	8.9	7.9	5.5	6	7.1	7.8	9.1	8.4	12	12	11	11	10	9.5	10	12	10	8.2	7.7	7.1	7	5.3	5.2	5.1	5.1	5.2	5.2	5.7	5.4	5.4	5	5.5	6.2	6.3	7.1	9.5	8.7	10	8.5	5.8	6.3	8.5														
n=2	4.5	3.9	4	3.2	2.3	7.1	9.3	9.7	12	11	13	7.3	6	7.4	8.2	5.2	6	7.2	8.2	8.8	11	15	15	16	5.4	3.8	6.8	6.7	11	3.7	16	24	24	22	19	13	8.9	14	17	12	9.9	6	12	6.4	6.1	4.9	4	3.8	2.4	5.1	5.5	6.5	6.1	7.3	9.2	6	5.1	9.4	12	18	18	12	6.8	4.8														
n=3	4.4	4.3	3.4	1.9	7.3	9.1	5	12	6.8	7.8	6.9	6.7	8.7	7.3	6.9	8.2	7.7	8.2	7.4	7.3	7.9	6.6	8.8	3.8	5.3	4.2	6.8	5.9	7.8	7.5	11	15	17	15	15	12	12	8.3	8.2	8.4	8.3	8	5	5.7	5.1	4.1	4.2	5.8	5.2	6.8	5.8	5.4	8	5.5	3.1	9.7	9.3	14	13	3.8	3.4	6.1	9.5															
n=4	4.7	3.8	2	7.5	8.7	4.7	7.7	7.2	6.8	3.7	6.7	7.8	7.7	6.9	8.2	7.7	8.2	7.4	7.3	7.5	6.5	7.7	3	4.2	6.8	5.9	7.8	7.5	11	15	17	15	15	12	12	8.3	8.2	8.4	7.8	8	10	9.3	4.3	4.4	5.8	6.1	9.2	12	15	15	13	8.8	6.7	8.4	8.1	6.3	4.3	5.3	4.5	4.8	5.1	5.2	7.5	5.8	5.9	4.4	4.8	6.1	3.2	1.3	8	8.2	14	13	0.40	4.4	4.6	8.6
n=5	4.1	2.2	7.5	8.4	4.8	7.8	4.2	6	3.4	4.9	7.9	6.7	7.1	6.7	8.6	7.8	8.2	8.4	7.8	8	10	9.3	4.3	4.4	5.8	6.1	9.2	12	15	15	15	12	12	12	8.3	9.3	6.1	12	15	10	4.4	8.9	1.6	1.7	14	11	7.1	9.1	6.3	7	5.8	5.1	5.4	4.1	4.4	5.8	7.3	6	6.8	4.2	4.2	5.3	5.3	0.94	11	7.7	14	12	1.2	2.5	2.8	6.2						
n=6	8.1	8.8	4.8	8	4.1	4.1	1.1	4.3	6.3	5.2	6.2	6	8.3	9.2	8.7	8.2	8.6	11	10	8.3	7.1	6.8	5.4	6.7	6.1	14	16	10	5.2	6.2	1.4	0.0080	12	9.1	6.1	7.3	9.1	8.7	8.8	5	4.8	5.1	5	5.9	4.2	8.5	6.7	8.9	5	4.3	5.4	2.7	0.88	11	6.1	14	12	1.2	2.5	2.8	6.2																	

METAL FACTOR ch/res X 1000

Filter	34+00 N	34+50 N	35+00 N	35+50 N	36+00 N	36+50 N	37+00 N	37+50 N	38+00 N	38+50 N	39+00 N	39+50 N	40+00 N	40+50 N	41+00 N	41+50 N	42+00 N	42+50 N	43+00 N	43+50 N	44+00 N	44+50 N	45+00 N	45+50 N	46+00 N	46+50 N	47+00 N	47+50 N	48+00 N	48+50 N	49+00 N	49+50 N																																	
n=1	1.6	1.7	2	2.5	3.1	4.2	4.8	4.3	5	4.7	5.3	6	6.7	7.8	6.2	6.3	6.2	6.4	6.8	8.4	6.2	6.6	6.7	5.8	6	6.3	5.9	6.3	6.9	7.5	8.5	7.9	8.2	6.7	10	11	10	5.5	4.3	4.7	3.9	3.7	3.1	3.2	2.7	2.9	3.8	4.7	5.3	4.5	5.1	4.7	5.4	5.8	6.4	6	8.4	8.8	10	8.1	7.4	8	8.7		
n=2	1.5	1.4	1.4	1.6	1.8	4.8	8.9	7.9	9.7	9.6	9.7	9.3	9.5	13	8.1	5.9	4.8	5.4	7.3	5.4	3.4	5.2	5.4	6.3	4.7	1.5	2.4	3.8	4.2	4.4	7.8	17	18	14	10	9.2	7	5.4	3.4	5.4	7.5	3.5	3.7	4.1	5.8	3.3	2.3	1.6	1.8	3.1	3.2	7.1	5.8	10	12	14	7.2	12	12	16	14	15	6.7	3.8	
n=3	1.4	1.2	1.3	1.3	3.6	8.4	4	8.8	8.9	4.9	7.3	6.7	9.4	8.5	7.1	8	7.4	6.4	6.1	6.3	6.4	6.2	6.2	3.8	5.1	8.1	7.8	5.1	4.1	8.7	11	7.2	5.9	7.6	6.5	8.7	13	11	3	5.8	4.8	5.9	3.7	3.4	3.2	2	1.4	2.4	8.4	3.1	4.5	5.8	6.7	7.5	7.3	3.5	8.7	8.9	14	17	16	5.8	7	9.4	8.7
n=4	1.3	1.3	1.2	4	6	3.1	4.3	4.9	4.1	3.8	5.8	9	8.5	6.1	6.7	8	6.3	6.2	6.7	6.3	6.9	4.9	5.1	6.5	6.6	6.4	5.7	8.1	9.9	6.8	4	5.1	2.5	6.3	24	15	5.7	3.5	2.6	4.7	4	3.8	2	1.8	1.5	2.3	7.8	5.9	6.5	4.1	3.9	4.2	3.1	1	8.2	6.1	12	10	0.40	4.5	5.4	18			
n=5	1.3	3.7	5.4	3	4	2.5	2	2.3	3.8	6	4.5	5.7	5.2	7.2	7.2	7.3	6.4	6.7	6.5	9.1	6.1	6.1	6.2	6.3	5.5	8.2	6.1	9.1	6.5	3.4	4	1.2	1.9	21	14	9.1	5.8	3	3.4	3.4	3.8	3	1.7	1.2	2.5	8.9	3.6	7.8	5.3	3.8	3.3	2.7	0.89	7.3	5.1	10	6.9	1.1	2.1	5.8	13				
n=6	3.7	5.5	5	4.4	2.6	1.9	0.95	3.2	5.7	3.5	5.2	4.6	6.3	7.4	6.6	7.2	7	6.2	9.4	6.2	8.8	8.6	6.2	5.8	7.2	6.8	8.8	5.8	3.7	3.8	0.88	0.0081	18	12	5.4	5.5	4.6	3.6	2.5	3.2	2.8	2.2	1.1	1.8	7.8	5.7	7.5	7	5.3	3.9	2.1	0.45	8.6	3.3	8.4	7.6	1.1	2.3	3.2	13					



Instruments: Androtex 7.5 KW Tx., BRGM IP6 Rx.
 Frequency: 0.125 Hz.
 Operators: G.M., D.H.,
 Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION
 Well defined, strong increase in polarization with or without marked decrease in resistivity.
 Fairly well defined moderate increase in polarization.
 Fairly well defined weak increase in polarization.
 Resistivity feature.

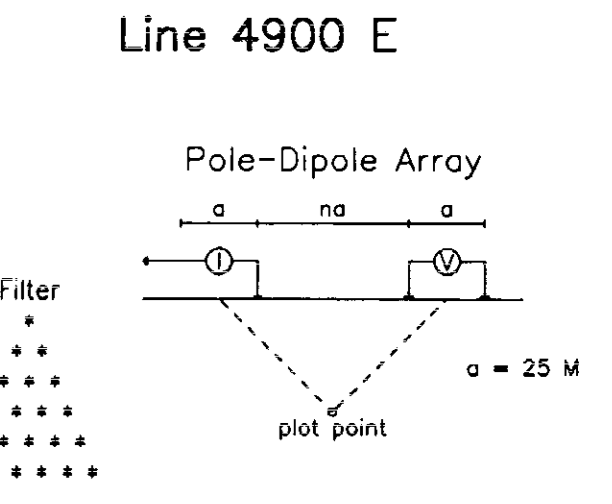
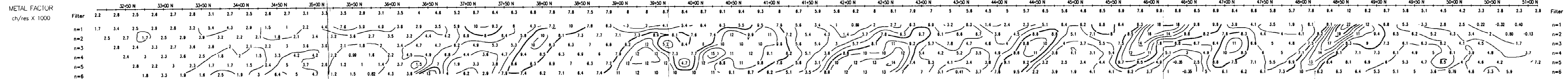
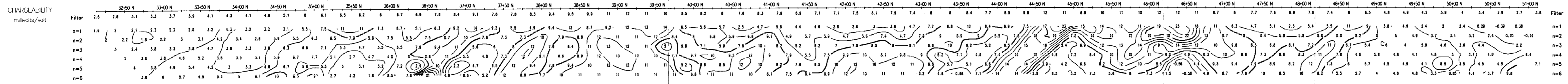
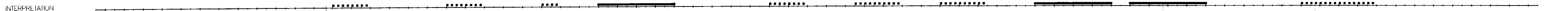
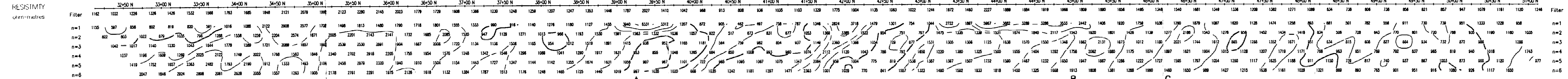
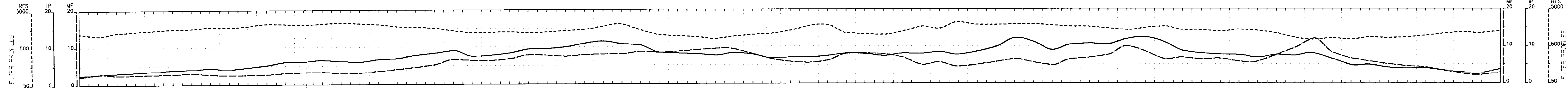
Scale 1:2500
 25 0 25 50 75 100 125 150 (meters)

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GEOFINE EXPLORATION CONSULTANTS LTD
INDUCED POLARIZATION SURVEY
DELTAIC GRID, STEWART PROPERTY
SKEENA M.D., B.C.

Date: AUGUST 1997 N.T.S.: 104 A/12
 Interpretation: P.E.W.

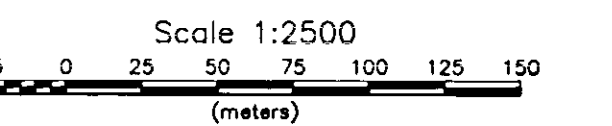
PETER E. WALCOTT & ASSOC. LTD.



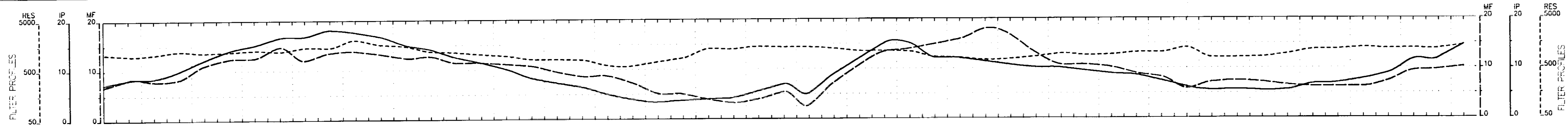
Instruments: Androtex 7.5 Kw Tx., BRGM IP6 Rx.
 Frequency: 0.125 Hz.
 Operators: G.M., D.H.,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

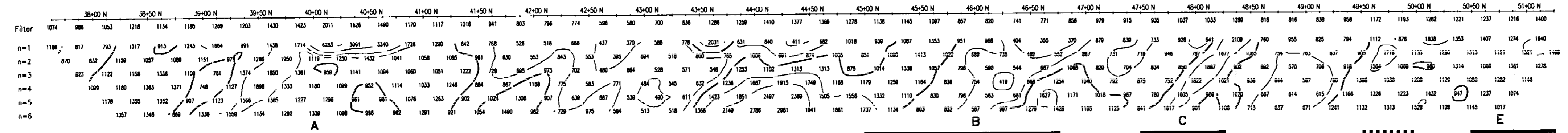
INTERPRETATION
 Well defined, strong increase in polarization with or without marked decrease in resistivity.
 Fairly well defined moderate increase in polarization.
 Fairly well defined weak increase in polarization.
 Resistivity feature.



25390 3 of 3
GEOFINE EXPLORATION CONSULTANTS LTD
INDUCED POLARIZATION SURVEY
DELTAIC GRID, STEWART PROPERTY
SKEENA M.D., B.C.
 Date: AUGUST 1997 N.T.S.: 104 A/12
 Interpretation: P.E.W.
PETER E. WALCOTT & ASSOC. LTD.

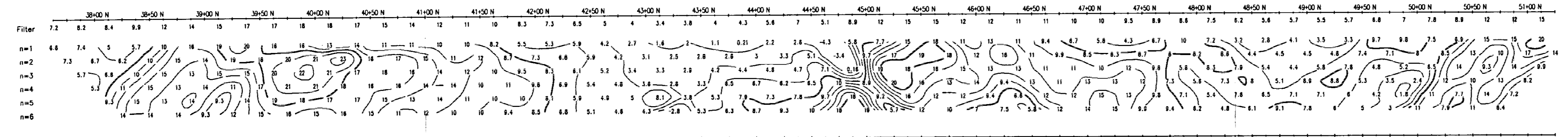


RESISTIVITY
ohm-metres

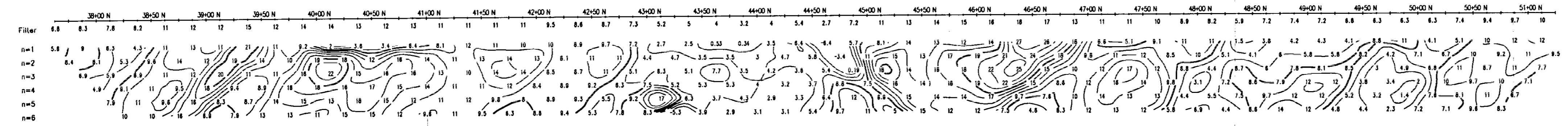


INTERPRETATION

CHARGEABILITY
millivolts/volt



METAL FACTOR
ch/res X 1000



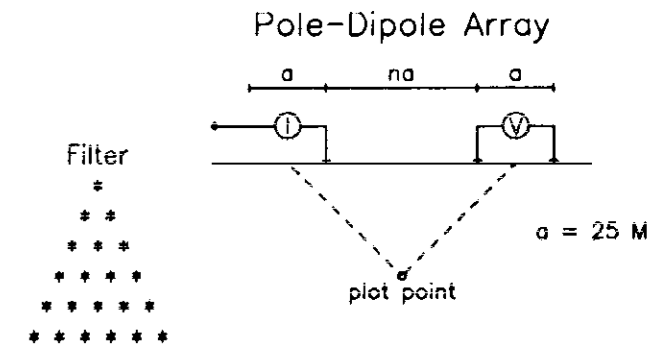
RESISTIVITY
ohm metres

INTERPRETATION

CHARGEABILITY
millivolts/volt

METAL FACTOR
ch/res X 1000

Line 5100 E

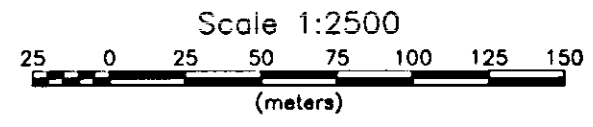


Instruments: Androtex 7.5 KW Tx., BRGM IP6 Rx.
Frequency: 0.125 Hz.
Operators: G.M., D.H.,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity.
- Fairly well defined moderate increase in polarization.
- | Fairly well defined weak increase in polarization.
- Resistivity feature.

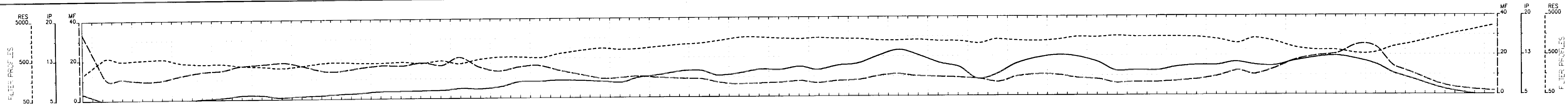


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GEOFINE EXPLORATION CONSULTANTS LTD

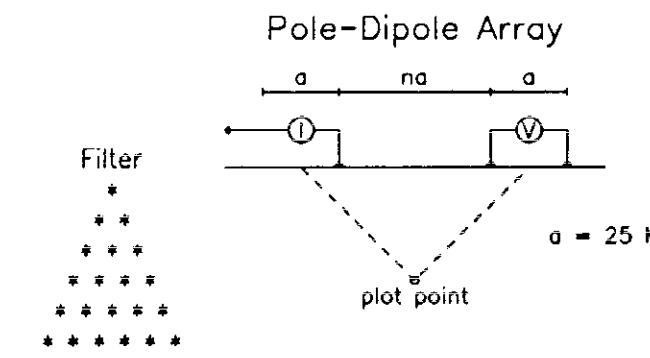
INDUCED POLARIZATION SURVEY
DELTAIC GRID, STEWART PROPERTY
SKEENA M.D., B.C.

Date: AUGUST 1997 N.T.S.: 104 A/12
Interpretation: P.E.W.

PETER E. WALCOTT & ASSOC. LTD.



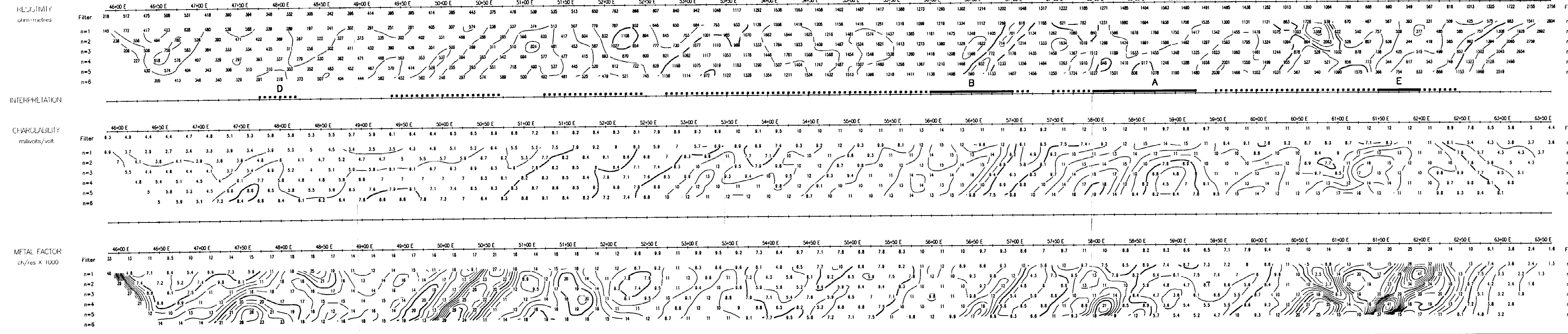
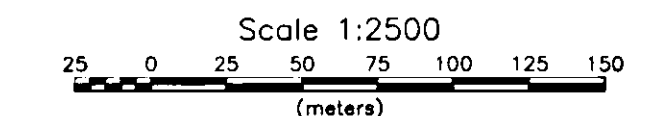
Line 1400 N



Instruments: Androtex 7.5 KW Tx., BRGM IP6 Rx.
 Frequency: 0.125 Hz.
 Operators: G.M., D.H.,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

- INTERPRETATION
- Well defined, (strong) increase in polarization with or without marked decrease in resistivity.
 - Fairly well defined moderate increase in polarization.
 - Fairly well defined weak increase in polarization.
 - Resistivity feature.
 - Mag Profile, base 5/200 nT, 1 cm. = 50 nT



RESISTIVITY
ohm-metres

CHARGEABILITY
millivolts/volt

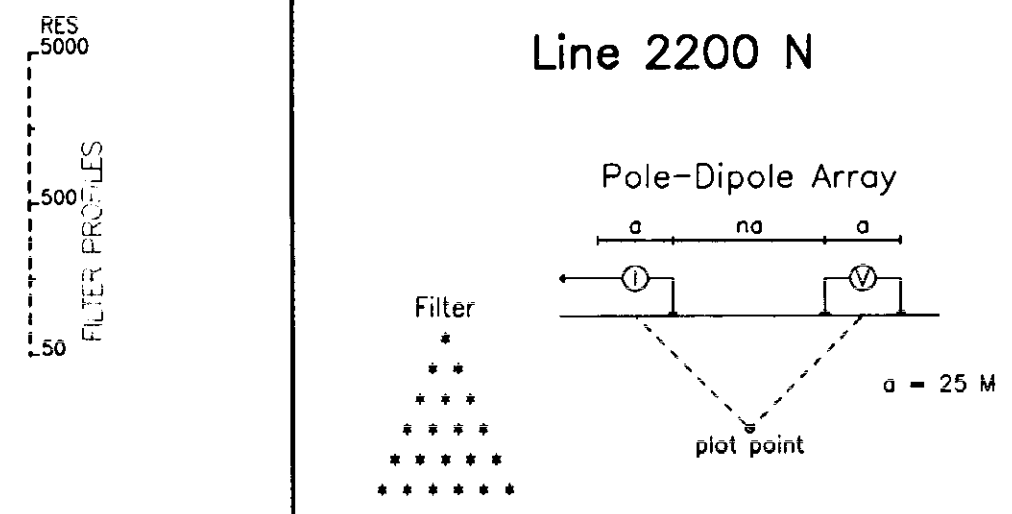
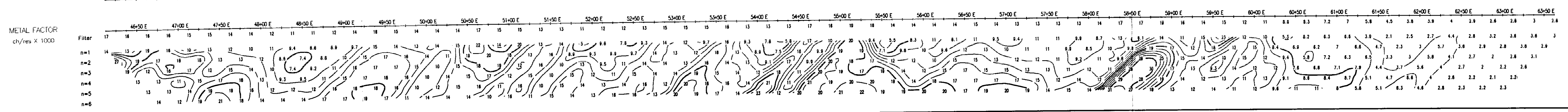
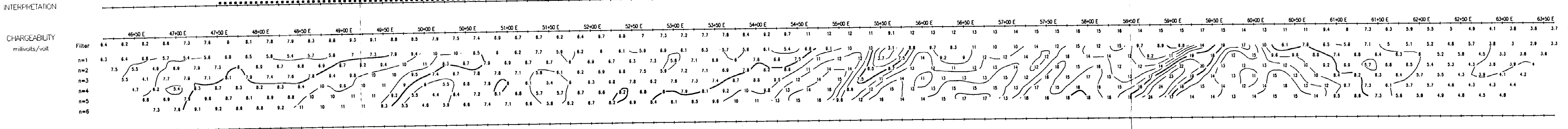
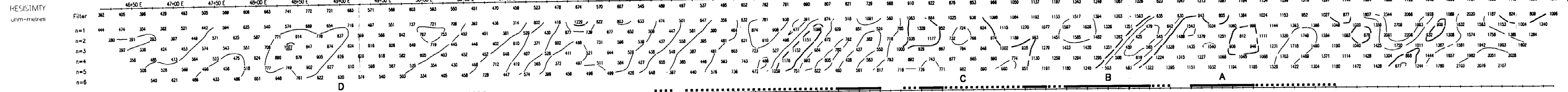
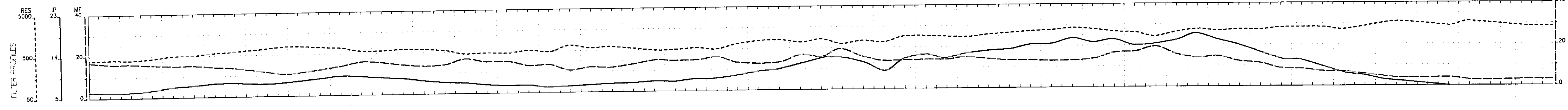
METAL FACTOR
ch/res X 1000

25290 3/2
 GEOFINE EXPLORATION CONSULTANTS LTD

INDUCED POLARIZATION SURVEY
 DELTA WEST PROJECT, STEWART PROPERTY
 SKEENA M.D., B.C.

Date: AUGUST 1997 N.T.S.: 104 A/12
 Interpretation: P.E.W. (b)

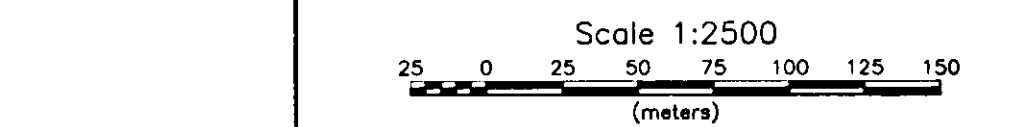
PETER E. WALCOTT & ASSOC. LTD.



Instruments: Androtex 7.5 KW Tx., BRGM IP6 Rx.
 Frequency: 0.125 Hz.
 Operators: G.M., D.H.,

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

- INTERPRETATION
- Well defined, strong increase in polarization with or without marked decrease in resistivity.
 - Fairly well defined moderate increase in polarization.
 - Fairly well defined weak increase in polarization.
 - Resistivity feature.
 - Mag Profile, base 5/200 nT, 1 cm. = 50 nT

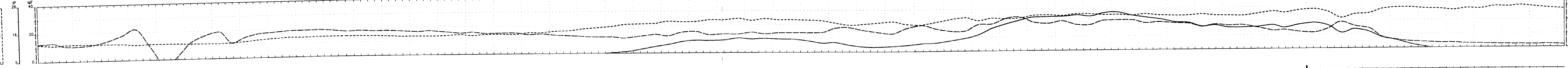


METAL FACTOR ch/res X 1000

25390 3/3

GEOFINE EXPLORATION CONSULTANTS LTD
 INDUCED POLARIZATION SURVEY
 DELTA WEST PROJECT, STEWART PROPERTY
 SKEENA M.D., B.C.
 Date: AUGUST 1997 N.T.S.: 104 A/12
 Interpretation: P.E.W.
PETER E. WALCOTT & ASSOC. LTD.

FILTER PROFILES
RES 5000
IP 26
MF 40



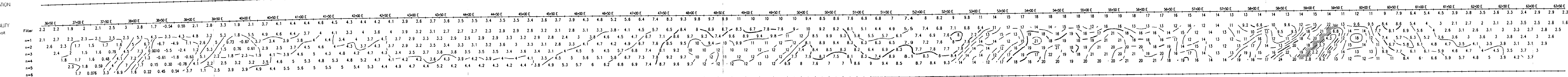
RES 5000
IP 26
MF 40
500
16
20
5
500 PROFILES
1.50

RESISTIVITY
ohm-metres

Table of resistivity data (ohm-metres) for filters n=1 to n=6 across stationing from 36+00 E to 63+00 E. Includes numerical values and contour lines.

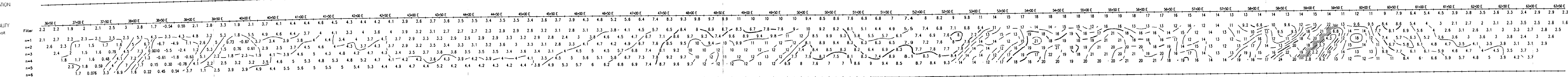
RESISTIVITY
ohm-metres
n=1
n=2
n=3
n=4
n=5
n=6

INTERPRETATION



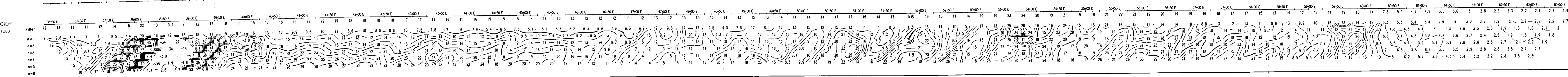
INTERPRETATION

CHARGEABILITY
millivolt/volt



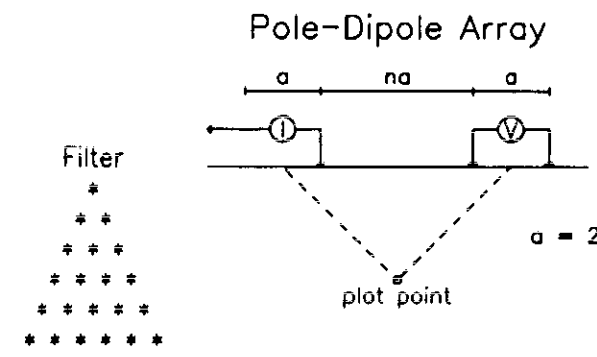
CHARGEABILITY
millivolt/volt
n=1
n=2
n=3
n=4
n=5
n=6

METAL FACTOR
ch/res x 1000



METAL FACTOR
ch/res x 1000
n=1
n=2
n=3
n=4
n=5
n=6

Line 2600 N

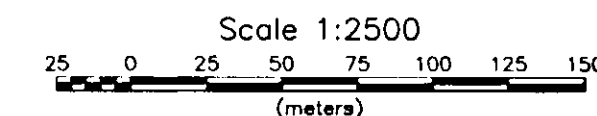


Instruments: Androtex 7.5 KW Tx., BRGM IP6 Rx.
Frequency: 0.125 Hz.
Operators: G.M., D.H.,

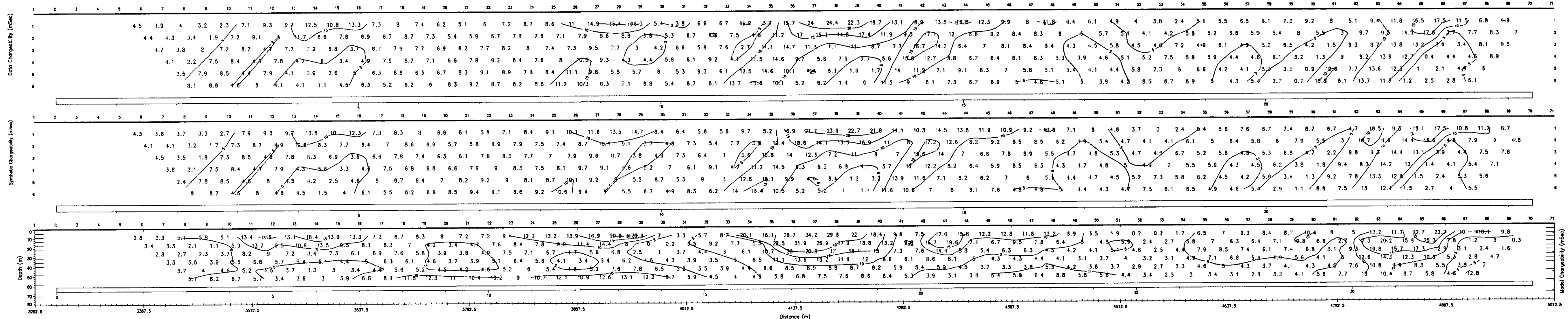
Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, ...

INTERPRETATION

- Well defined, strong increase in polarization with or without marked decrease in resistivity
- Fairly well defined moderate increase in polarization
- Fairly well defined weak increase in polarization
- Resistivity feature.
- Mag Profile, base 57200 nT, 1 cm. = 50 nT



GEOFINE EXPLORATION CONSULTANTS LTD
INDUCED POLARIZATION SURVEY
DELTA WEST PROJECT, STEWART PROPERTY
SKEENA M.D., B.C.
Date: AUGUST 1997 N.T.S.: 104 A/12
Interpretation: P.E.W.
PETER E. WALCOTT & ASSOC. LTD.



GEOFINE EXPLORATION CONSULTANT

Peter Walcott & Associates

DATA SET: 4800A

Array: Pole-Dipole

DATE: 29SEPT97

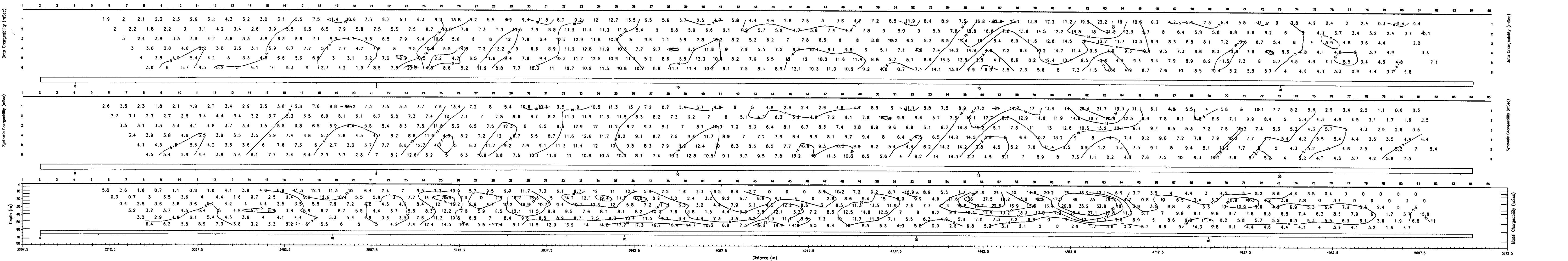
a-Spacing: 25.0

STEWART

DELTAIC GRID
SKEENA M.D., B.C.

Grid (X x Z): 329 x 22

25390 3/3
(9)



GEOFINE EXPLORATION CONSULTANT
 Peter Walcott & Associates

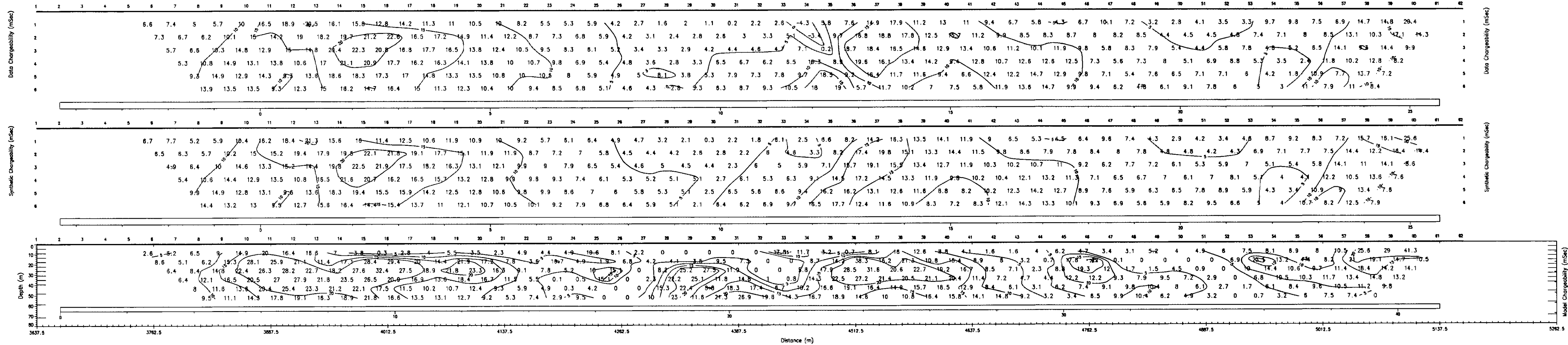
STEWART
 DELTAIC GRID
 SKEENA M.D., B.C.

DATA SET: 4900A
 Array: Pole-Dipole

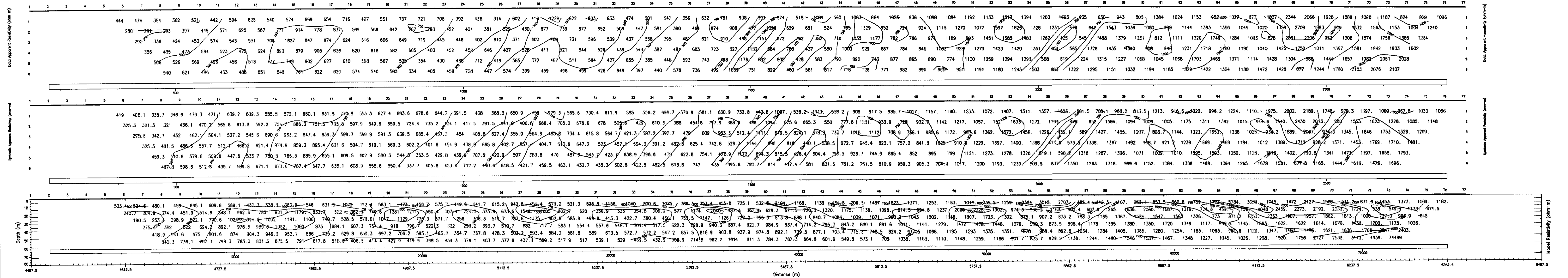
DATE: 29SEPT97
 a-Spacing: 25.0

Grid (X x Z): 385 x 22

25390 3/3
 (10)



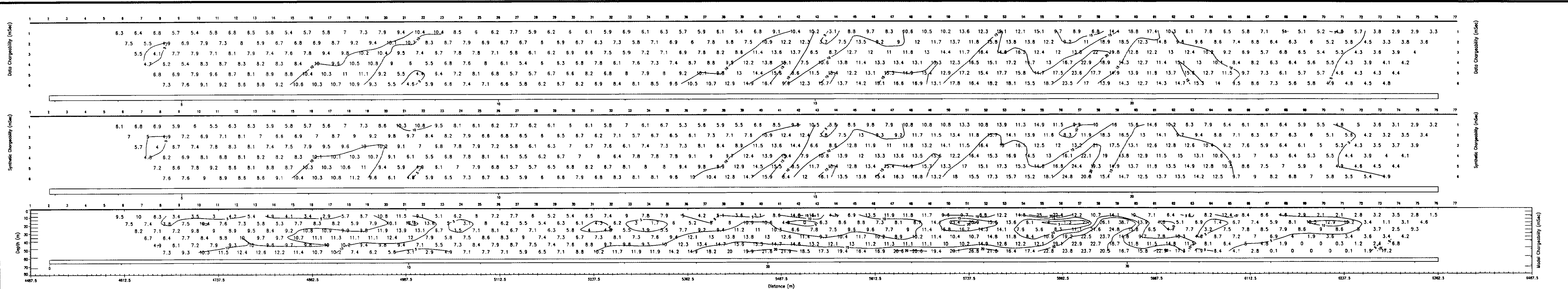
GEOFINE EXPLORATION CONSULTANT Peter Walcott & Associates		STEWART	
		DELTAIC GRID	
DATA SET: 5100A	DATE: 29SEPT97	SKEENA M.D., B.C.	
Array: Pole-Dipole	a-Spacing: 25.0	Grid (X x Z): 293 x 22	
		25390 3/3 (11)	



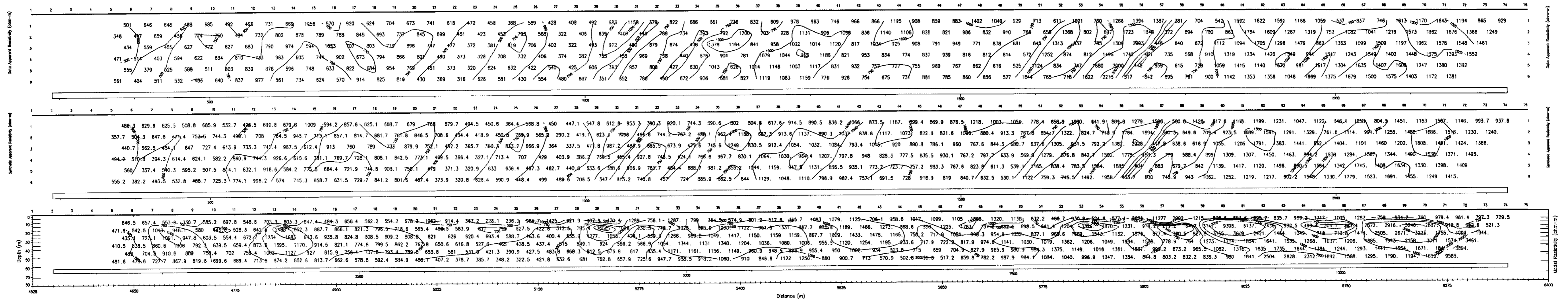
GEOFINE EXPLORATION CONSULTANT
 Peter Walcott & Associates
 DATA SET: 2200A
 Array: Pole-Dipole

DELTA WEST GRID
 STEWART PROPERTY
 SKEENA M.D., B.C.
 Grid (X x Z): 353 x 22

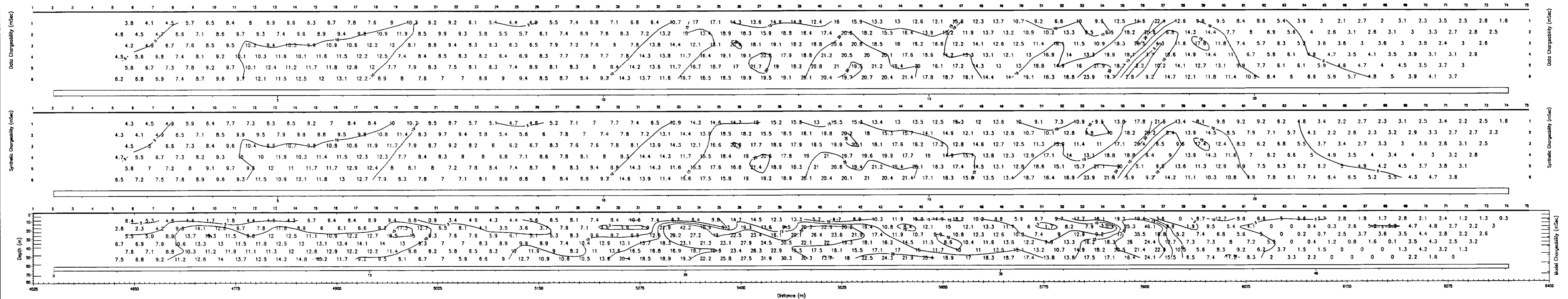
25390 3/3
 (12)



GEOFINE EXPLORATION CONSULTANT		DELTA WEST GRID	
Peter Walcott & Associates		STEWART PROPERTY	
DATA SET: 2200A		DATE: 04SEPT97	
Array: Pole-Dipole		a-Spacing: 25.0	
		SKEENA M.D., B.C.	
		Grid (X x Z): 353 x 22	
		25390 ³ / ₃	
		(13)	



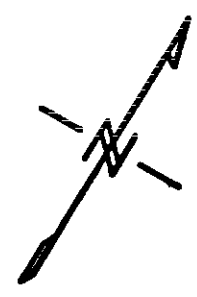
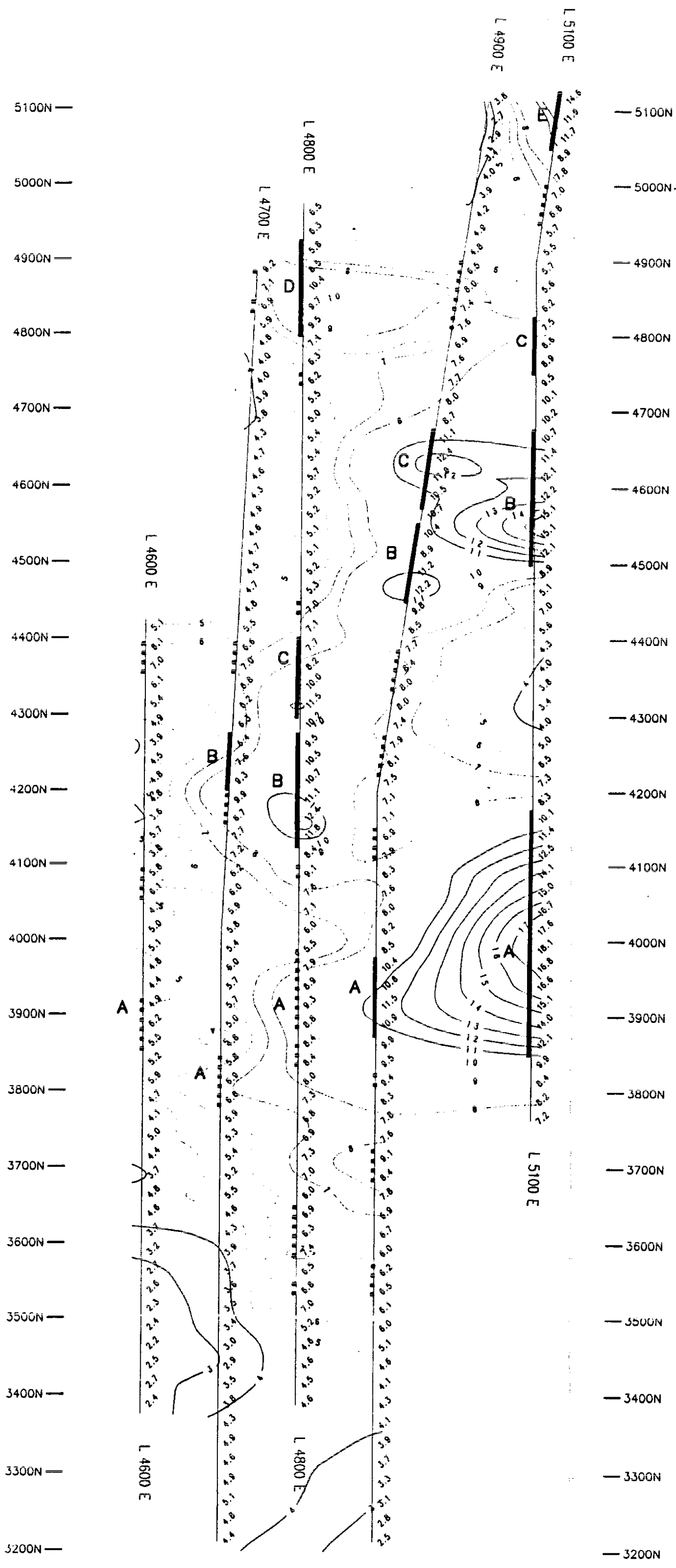
GEOFINE EXPLORATION CONSULTANT		DELTA WEST GRID	
Peter Walcott & Associates		STEWART PROPERTY	
DATA SET: 2600A		SKEENA M.D., B.C.	
Array: Pole-Dipole		Grid (X x Z): 345 x 22	
DATE: 04SEPT97		25390 ² / ₃	
a-Spacing: 25.0		(14)	



GEOFINE EXPLORATION CONSULTANT
 Peter Walcott & Associates
 DATA SET: 2600A DATE: 04SEPT97
 Array: Pole-Dipole a-Spacing: 25.0

DELTA WEST GRID
 STEWART PROPERTY
 SKEENA M.D., B.C.
 Grid (X x Z): 345 x 22

25390 3/3
 (15)



LEGEND

—	< 5
- - -	5 to 6
—	7 to 8
—	9 to 10
—	11 to 12
—	> 12

INTERPRETATION

—	Well defined, strong increase in polarization with or without marked decrease in resistivity.
- - -	Fairly well defined moderate increase in polarization.
—	Fairly well defined weak increase in polarization.
	Resistivity feature.



**GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT**

25,390
3/3

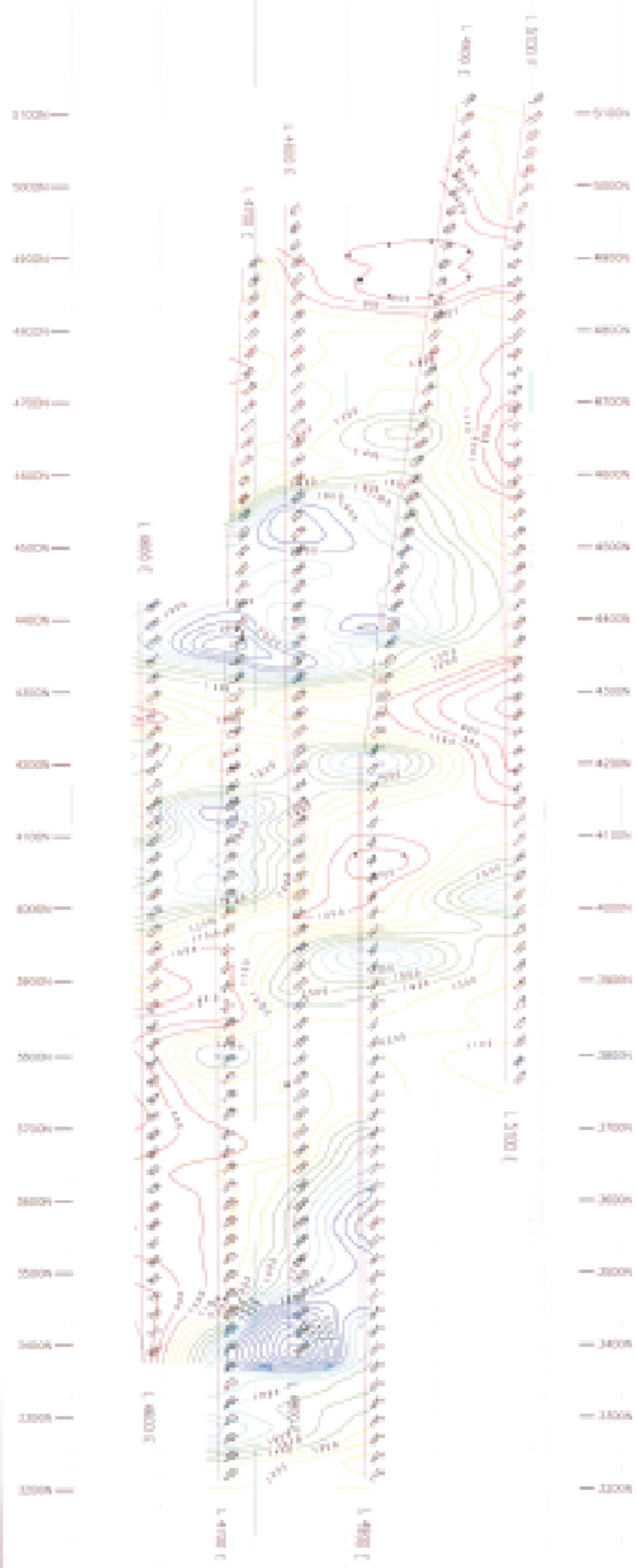
GEOFINE EXPLORATION CONSULTANTS LTD.

**INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT CHARGEABILITY**
IN MV/V, A = 25 MS., 21 POINT FILTER
POLE-DIPOLE ARRAY, C1 TO SOUTH

DELTAIC GRID, STEWART PROPERTY
SKEENA M.D., B.C., N.T.S. 104 A/12
AUGUST 1997

Map No. W557-1 Processed: September 1997
Processed by: PETER E. WALCOTT & ASSOC. LTD.

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LEGEND

- 1000 to 10000
- 1000 to 10000
- 1000 to 10000
- 1000 to 10000
- 1000 to 10000

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,390 ^{1/3}



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INDUCED POLARIZATION SURVEY
CONTOURS OF APPARENT RESISTIVITY

IN THE AREA OF THE ...

... ..

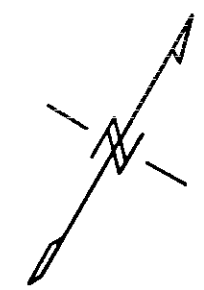
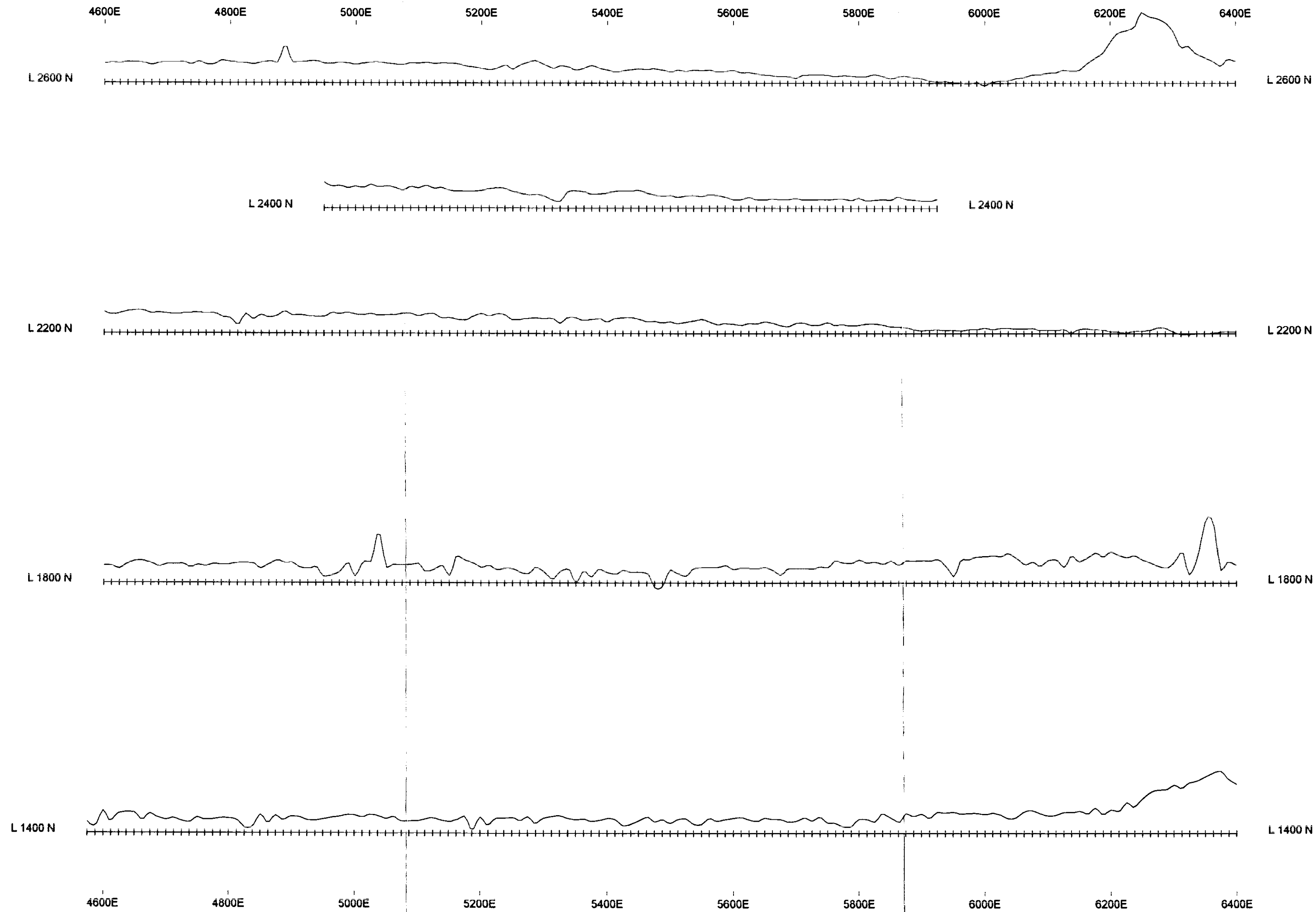
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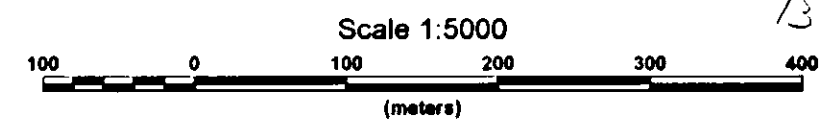
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Map No. 1001-2 Processed September 1997
Processed by: PETER E. WALCOTT & ASSOC. LTD.



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,390



GEOFINE EXPLORATION CONSULTANTS LTD.

MAGNETIC SURVEY
PROFILES OF TOTAL FIELD INTENSITY
BASE 57250 (nT), 50 nT/cm

DELTA WEST PROJECT
SKEENA MINING DIVISION
STEWART PROPERTY, STEWART AREA, BRITISH COLUMBIA

MAP No. W557-3 AUGUST 1997
PETER E. WALCOTT & ASSOCIATES LIMITED