

Shangri-La Minerals Limited

LOG NO: 0113

RD.

ACTION:

FILE NO:

ASSESSMENT REPORT
FOR
LIVGARD CONSULTANTS LTD.

ON THE
THUTADE LAKE PROPERTY
LAKE 1, LAKE 2, LAKE 3, LAKE 4,
RON 1 & RON 2 CLAIMS

NTS MAP 94E/2W

OMINECA MINING DIVISION

NORTH LATITUDE: 57° 5'

WEST LONGITUDE: 126° 50'

BY

DAVE COFFIN

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SHANGRI-LA MINERALS LIMITED

VANCOUVER, B.C.

4 JANUARY, 1988

FILMED

SUB-RECORDER
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M.R. # \$.....
VANCOUVER, B.C.

TABLE OF CONTENTS

	PAGE
1. INTRODUCTION	
1.1 Scope.....	1
1.2 Property Status.....	1
1.3 Location and Access.....	2
1.4 History.....	2
1.5 Geology.....	2
2. SURVEY SPECIFICATIONS	
2.1 Grid Establishment.....	3
2.2 Ground Magnetometer Survey Method.....	3
2.3 Ground VLF-EM Survey Method.....	3
2.4 Geochemical Survey Method.....	4
3. RESULTS	
3.1 Ground Magnetometer Survey.....	5
3.2 Ground VLF-EM Survey.....	6
3.3 Geochemical Survey.....	8
4. SUMMARY.....	9

APPENDICES

APPENDIX A	Geochemistry Analytic Results
APPENDIX B.1	Geophysical Raw Data - Magnetometer Readings
APPENDIX B.2	Geophysical Raw Data - VLF-EM Readings
APPENDIX C	Certificates
APPENDIX D	Cost Breakdown of Program

LIST OF FIGURES

Figure 1	Location Map.....	following page 2
Figure 2	Claim Map.....	following page 2
Figure 3	Magnetometer Contour Map.....	in pocket

VLF-EM (Seattle, Wash.) Contour Maps

Figure 4a	Fraser Filtered Dip Angle.....	in pocket
4b	Field Strength.....	in pocket



VLF-EM (Laulaulei, HI) Contour Maps

- Figure 5a Fraser Filtered Dip Angle.....in pocket
5b Field Strength.....in pocket

Soil Geochemistry

- Figure 6a Gold.....in pocket
6b Copper.....in pocket
6c Silver.....in pocket
6d Lead.....in pocket
6e Zinc.....in pocket



1 INTRODUCTION

1.1 Scope

At the request of Livgard Consultants Ltd., a program of soil sampling and ground geophysics surveying (VLF-EM and total magnetic field) was conducted by Shangri-La Minerals Ltd. on the Thutade Lake Property located in north-central British Columbia. The program was conducted on behalf of Hermes Ventures Ltd. of Vancouver. This report presents the results of the program.

1.2 Property Status

The Thutade Lake property consists of six modified grid system mineral claims totalling 93-units located in the Omineca Mining Division. Particulars are as follows:

Name	Record No.	Area	Anniversary
Lake #1	5842	16 units	October 5, 1989
Lake #2	5843	18 units	October 5, 1989
Lake #3	5844	15 units	October 5, 1989
Lake #4	5845	20 units	October 5, 1989
Ron #1	3627	15 units	March 3, 1990
Ron #2	3628	9 units	March 3, 1990

The six claims were grouped in Oct. 1987 as the "Thutade group". They are found on NTS map 94E/2E. Anniversary dates become effective upon acceptance of this report for assessment credit.



1.3 Location and Access

The Thutade Lake property is located approx. 260 km north-east of Smithers, B.C. on Thutade Lake. Float planes capable of landing on Thutade Lake, or helicopters allowing direct access, are available in Smithers. The Manson Creek-Toodoggone road, currently under construction, runs through the middle of the property.

1.4 History

The property was staked in 1981 to cover geologically favorable ground after the discovery of mineralization to the north. Mineralization was found on the property as the result of soil geochemistry surveys in 1982 and 83. Trenching and sampling as well as 380 m of diamond drilling were completed in 1984.

1.5 Geology

The property is reportedly comprised of Triassic "Takla Group" rock of fine-grained, andesitic, plagioclase and augite porphyry; and a sequence of argillite, chert, quartzite, breccia and conglomerate. Porphyritic monzonite is reported.



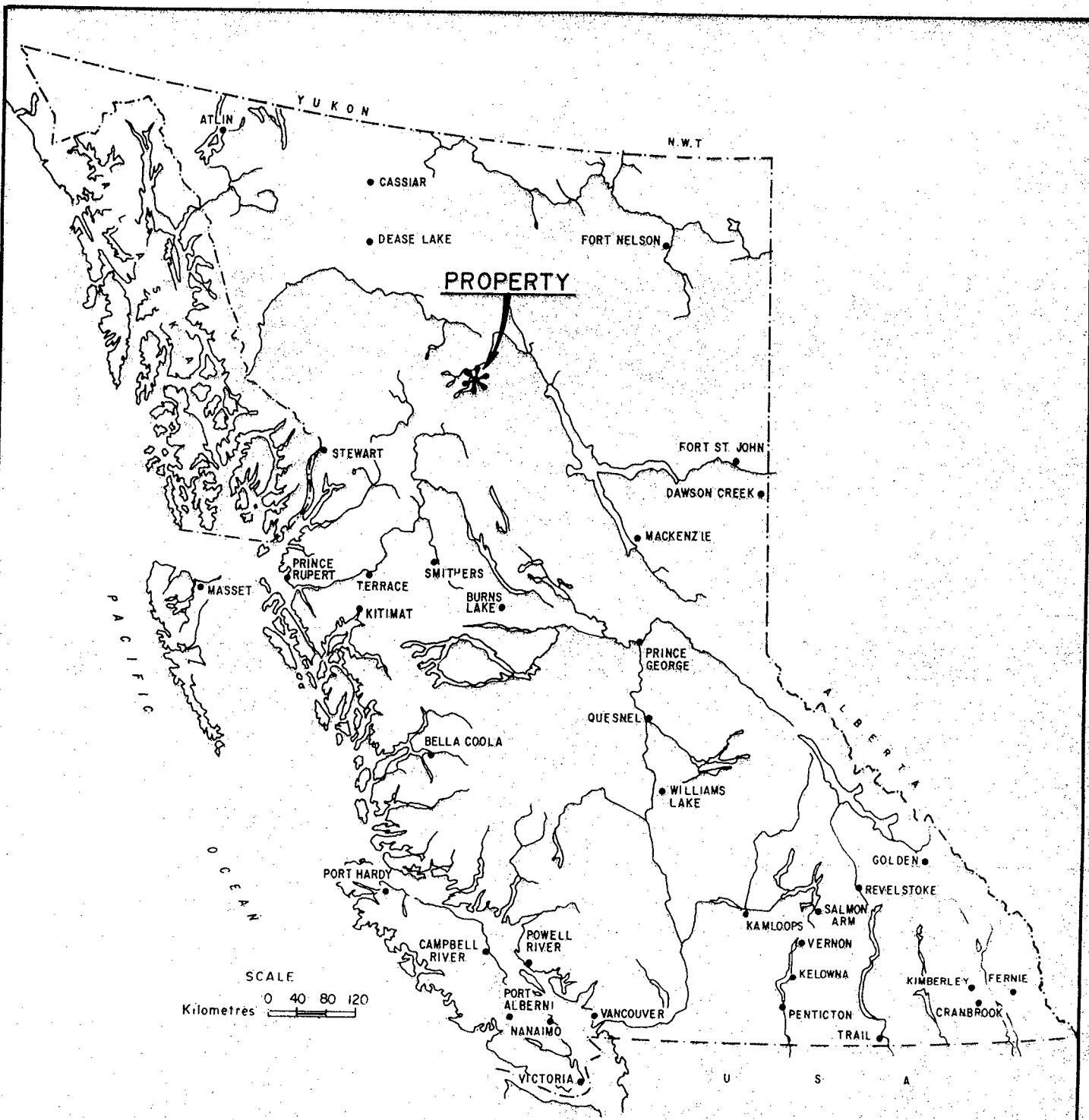
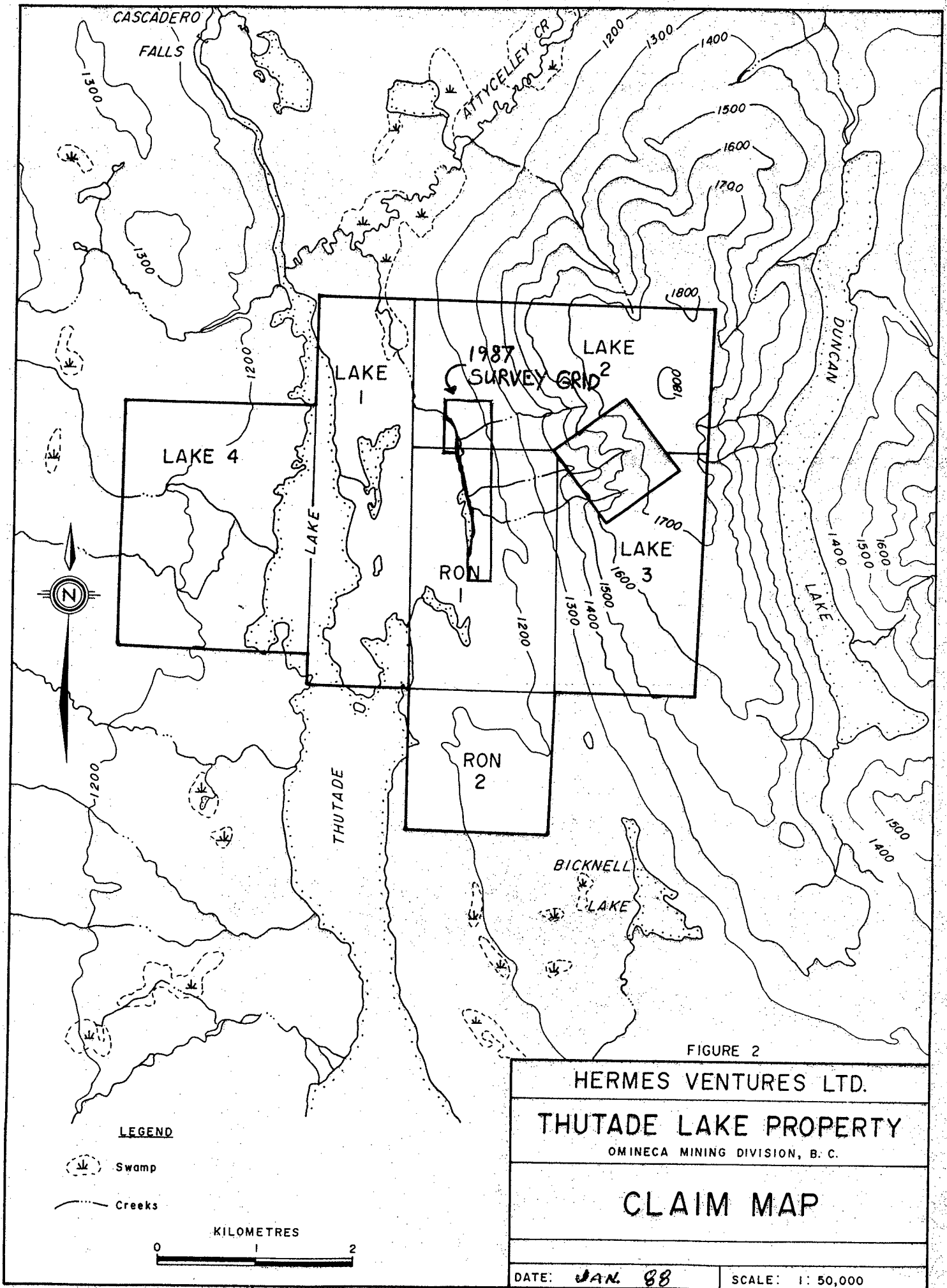


FIGURE 1

HERMES VENTURES LTD.	
THUTADE LAKE PROPERTY	
OMINECA MINING DIVISION, B. C.	
LOCATION MAP	
DATE: JAN. 88	SCALE: 1:8,000,000



2 SURVEY SPECIFICATIONS

2.1 Grid Establishment

A total of 52.85 km of east-west crosslines were established by means of stations marked every 25 m with survey flagging, using compass, hip chains and clinometer. Crosslines were spaced 25 m apart. The survey was controlled by a north-south baseline 1.8 km in length, and three tie lines totalling 2.1 km in length.

2.2 Ground Magnetometer Survey Method

This survey was conducted using an EDA Omni IV proton precession magnetometer which measures the earth's total magnet field. Readings were corrected for diurnal variations using base station readings, which were taken at 20 second intervals. A total of 52.85 line-km were surveyed.

2.3 Ground VLF-EM Survey Method

The survey was conducted using two Sabre Electronics model 27 VLF electromagnetometers. These instruments act as receivers of the primary electromagnetic fields generated by the United States Navy VLF marine communications stations. These stations operate at frequencies between 15 and 25 kHz, and have a vertical antenna current resulting in a horizontal primary magnetic field. Secondary electromagnetic fields arise due to currents induced in conductors. The VLF-EM instrument measures the dip of the magnetic field resulting from the sum of primary and secondary field.



For the best results a transmitter located along the strike of the suspected conductors is selected. Due to interest in two different trending formations two transmitters were chosen at nearly orthogonal azimuths relative to the grid were used (Seattle, Wash. and Lualualei, HI) The fact that the grid line spacing and station spacing are both 25 m (square gridding) permits a Fraser filter perpendicular to the survey lines. This permits detection of conducting trends parallel and perpendicular to the baseline with one pass over the survey lines.

A total of 52.85 line-km of data were acquired.

2.4 Geochemical Survey Method

A total of 880 soil samples were collected on the grid. 862 soil samples were taken from the "B" soil horizon at depths of 5 to 35 cm using a cast iron mattock. 18 soil samples were collected in a swamp using a soil auger at depths from 20 to 150 cm. Samples of no less than 200 g were placed in kraft paper bags and air dried. All samples were analyzed by Acme Analytical Laboratories Ltd., using an induced coupled plasma (ICP) spectrophotometer for a 30 element suite, and atomic absorption (AA) for gold.



3 DISCUSSION OF RESULTS

3.1 Ground Magnetometer Survey

The ground magnetometer survey encountered two anomalous areas of elevated magnetic field strength on the Thutade Lake property. The broadest feature is triangular in extent, the vertices form by grid points 625N/1200W, 625N/700W and 1000N/950W (NB: the southward extent of the data is limited by the survey coverage, ending on this western part of the grid at line 625N). The other consists of two small areal extent anomalies with the highest field strength values found on the property, both residing on line 350N, at stations 525W and 300W. The contoured results can be seen in Figure 3.

The general background field strength on the property is in the range of 58500 gamma; anomalous feature values are considered to be in excess of 1000 gamma above 58500.

The triangular anomaly features a broad elevated field strength high peaking a 61500 gamma at 725N/1000W. It does exist in an area of elevated zinc geochemistry, but is not a correlated feature (zinc is prevalent throughout the property according to the current geochemical survey).

The two strong peak anomalies consists of a 1500 gamma (350N/525W) and 2000 gamma (350N/300W) field strength highs. These features exist in areas of elevated copper, lead and zinc geochemistry, though as stated earlier, there exists no strong correlation of zinc to magnetic field strength highs.

With both these anomalies, coincident VLF-EM Fraser filtered



dip-angle features are present, but no distinct correlations are evident.

3.2 Ground VLF-EM Survey

The anticipated presence of conductive features that are both parallel and perpendicular to the survey lines require the use of two transmitter stations orthogonal to each other relative to the property. To achieve this readings were taken from the Seattle, Wash. and Laulaulei, HI stations. Since the data was to be Fraser filtered, the Seattle station took advantage of the true orientation of the survey lines and the Laulaulei station readings were reoriented to be perpendicular to the lines. The contoured results can be seen in Figures 4a-b (Seattle transmitter) and 5a-b (Laulaulei transmitter).

For the Seattle transmitter location the Fraser filtered dip-angle contoured values show conductive features which are predominantly north-northeast in trend.

The first of these occurs at 400S/250W and trends discontinuously to 150N/125W, varying in Fraser filtered intensity of 5 to 20. This features occurs for the most part in an area with no soil sampling, the north end of the anomaly occurring in the southern extent of the soil sampling area.

The second Seattle transmitter feature is similar to the one above, trending discontinuously from 275N/475W to 575N/375W and may continue to 925N/75W. Soil geochemical analysis does not reveal any correlating geochemical features.

The third feature is a linear trend from 675N/925W to 925N/850W, and possibly extending to 1100N/775W. This is a weak



feature Fraser filtered value of 5 with peaks to 20. The peak at 925N/850W is coincident with lead, zinc, copper and silver point geochemistry anomaly.

The final Seattle feature is a broad set of highs in the northwest part of the surveyed grid, consisting of a distribution of Fraser filtered 20 values at 110N/900W, 1100N/1100W and 1200N/950W to 1225N/1000W. A point zinc geochemistry high is coincident with the filtered dip-angle high at 1100N/1100W.

The Laulaulei transmitter data was Fraser filtered on virtual line basis and shows conductive trends which are between west and northwest in bearing. These are separated into linear trends in the south and into broader features in the northwestern part of the survey grid.

In the southern grid area four trends, comprised of discontinuous sets of high filtered dip-angle values, can be distinguished. These occur at 250W/500S to 475W/00, 00/250S to 400W/225N, 00/400N to 550W/400N and more weakly at 100W/250N to converge with the previous trend at 550W/400N. These features are coincident with zinc geochemical anomalous highs (where geochemical data exists) as well as with broad elevated silver and lead values, and appear to strongly correlate with copper.

The northern features consist of broadly distributed highs (Fraser filtered dip-angle values greater than 20). The higher peaks occur at 1000W/850N, 950W/875N, 800W/800N, 1000W/1025N, 875W/1025N, 800W/1000N, 975W/1400N, 900W/1325N and 850W/1300N. This area is coincident with elevated lead, zinc, copper and silver geochemical values, though no direct correlation is apparent.



3.3 Geochemical Survey

Visual examination of the results determined that six elements should be plotted for better interpretation; gold, copper, silver, lead and zinc have been plotted at a scale of 1:2500 and are presented as Figures 6a to 6e respectively. The plots have been contoured using arbitrary intervals with arithmetic gradation.

Interpretive notes relating the results of the soil survey to each of the geophysical surveys have been added throughout the above information.

In general it can be said that elevated values for copper, zinc, lead and to a lesser extent silver, are grouped together. These groupings form irregularly shaped anomalies up to 300 meters across. Copper produces the sharpest trends, with peak values of ten or fifteen times background at several locations. The most prominent of these anomalous areas is found between 100N to 600N and 150W to 600W (it is open to the west).

Gold has a number of spot highs, but no trend is apparent and little direct correlation to other elements is seen.

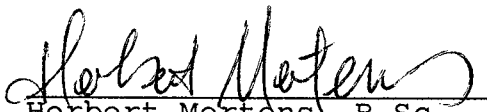



4 SUMMARY

At the request of Livgard consulting, Shangri-La minerals conducted a program of grid emplacement, soil sampling, VLF-EM and magnetometer surveying on the Thutade Lake property during September and October 1987.

The most prominent anomaly on the grid is in the south-eastern corner. A multi-element geochemistry response is coincident with a series of north-westerly trending VLF-EM peak values. The feature is open on its western side, where the surveys are interrupted by a small lake.

Several other areas exhibit smaller coincident anomalies, which may be caused by features similar to that which caused the large south-eastern anomaly.


Herbert Mertens, B.Sc.
4 January, 1988


David Coffin
4 January, 1988



Appendix A
Geochemistry Analytic Results



GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SOIL AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 20 1987

DATE REPORT MAILED: Oct 29/87

ASSAYER: D. J. DEAN TOYE, CERTIFIED B.C. ASSAYER

SHANGRI-LA MINERALS File # 87-5058 Page 1

Table with columns: SAMPLE#, NO PPM, CU PPM, PB PPM, ZN PPM, AG PPM, NI PPM, CO PPM, MN PPM, FE %, AS PPM, U PPM, AU PPM, TH PPM, SR PPM, CD PPM, SB PPM, BI PPM, V PPM, CA %, P %, LA PPM, CR PPM, MG %, BA PPM, TI %, B PPM, AL %, NA %, K %, W PPM, AU PPM, PPB. Rows include various sample IDs like TL L1450N 1200W, TL L1425N 1175W, etc.

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L1425N 800W	2	19	11	52	.1	20	8	310	2.63	3	5	ND	3	31	1	2	2	62	.38	.019	10	34	.61	95	.10	2	1.62	.01	.04	1	1
TL L1425N 775W	3	26	11	54	.1	21	9	449	2.57	5	5	ND	3	39	1	2	2	59	.54	.016	11	31	.71	83	.11	3	1.57	.01	.04	1	1
TL L1425N 750W	10	66	19	94	.3	24	13	896	3.58	4	5	ND	3	45	1	2	2	80	1.00	.034	14	39	.75	175	.05	2	2.74	.02	.08	1	1
TL L1425N 725W	7	143	26	104	.3	35	14	1042	4.28	7	5	ND	4	46	1	2	2	81	.94	.032	18	48	1.00	250	.03	4	4.02	.02	.12	1	1
TL L1425N 700W	6	37	10	73	.1	17	9	477	3.16	2	5	ND	3	36	1	2	2	76	.47	.019	11	31	.68	98	.07	3	2.09	.02	.06	1	1
TL L1400N 1200W	1	34	7	92	.1	25	10	526	2.72	2	5	ND	1	45	1	2	2	57	.66	.033	14	35	.64	165	.07	3	2.07	.01	.07	1	1
TL L1400N 1175W	1	32	10	98	.1	26	9	469	2.76	4	5	ND	2	43	1	2	2	59	.62	.029	14	36	.65	156	.08	6	2.03	.01	.07	1	1
TL L1400N 1150W	1	18	14	72	.1	19	9	547	2.83	2	5	ND	1	32	1	2	2	65	.31	.037	10	36	.60	80	.08	6	1.69	.01	.07	1	1
TL L1400N 1125W	1	19	15	76	.2	16	6	274	2.33	4	5	ND	2	25	1	2	2	52	.25	.023	10	28	.51	82	.07	3	1.63	.01	.05	1	1
TL L1400N 1100W	1	20	8	57	.1	17	7	302	2.43	6	5	ND	2	29	1	2	2	58	.29	.021	10	30	.55	85	.08	4	1.56	.01	.05	1	1
TL L1400N 1075W	1	22	14	62	.2	18	9	449	2.85	2	5	ND	2	29	1	2	2	64	.29	.032	10	33	.60	98	.08	4	1.85	.01	.06	2	1
TL L1400N 1050W	1	18	10	54	.1	15	6	314	2.44	3	5	ND	2	30	1	2	2	59	.30	.022	10	29	.54	97	.08	4	1.62	.01	.05	1	61
TL L1400N 1025W	1	18	7	55	.1	17	7	303	2.60	6	5	ND	3	32	1	2	2	61	.31	.018	10	28	.56	114	.08	2	1.79	.01	.05	1	1
TL L1400N 1000W	1	14	11	47	.1	11	6	226	2.39	2	5	ND	2	28	1	2	2	59	.28	.023	9	25	.41	92	.08	2	1.79	.01	.05	1	1
TL L1400N 975W	1	10	12	40	.1	9	4	187	1.71	2	5	ND	2	29	1	2	2	52	.28	.010	8	20	.33	83	.09	2	1.21	.01	.04	2	6
TL L1400N 950W	1	31	14	60	.2	13	6	344	2.53	5	5	ND	1	29	1	2	2	58	.25	.045	11	33	.40	129	.04	2	1.91	.01	.07	1	1
TL L1400N 925W	5	161	27	130	.4	33	12	828	3.55	8	5	ND	1	45	1	2	2	61	.83	.050	21	41	.72	210	.03	2	2.83	.01	.12	1	4
TL L1400N 900W	11	38	13	103	.1	25	10	461	3.29	7	5	ND	2	26	1	2	2	65	.21	.026	11	35	.56	140	.04	4	2.21	.01	.09	1	1
TL L1400N 875W	6	117	17	161	.4	35	13	700	3.18	8	5	ND	2	52	4	2	2	55	.92	.045	22	39	.68	214	.03	2	2.62	.01	.11	1	1
TL L1400N 850W	6	18	21	146	.1	13	7	570	2.79	5	5	ND	2	34	1	2	2	61	.43	.037	11	27	.51	134	.06	4	1.65	.01	.07	1	1
TL L1400N 825W	3	17	9	78	.1	20	8	392	2.63	5	5	ND	2	34	1	2	2	59	.44	.027	10	31	.56	131	.09	2	1.59	.01	.05	1	33
TL L1400N 800W	3	14	9	42	.1	14	6	289	2.01	3	5	ND	2	32	1	2	2	52	.44	.014	9	26	.50	82	.09	2	1.29	.01	.04	1	1
TL L1400N 775W	4	12	8	107	.1	13	6	284	1.93	2	5	ND	1	30	1	2	2	49	.38	.020	10	23	.46	97	.08	4	1.29	.01	.05	2	1
TL L1400N 750W	10	38	15	161	.1	19	11	802	3.23	6	5	ND	2	35	1	2	2	69	.68	.029	13	34	.58	134	.06	5	2.22	.02	.06	1	12
TL L1400N 725W	11	94	21	111	.3	31	13	638	4.16	12	5	ND	3	46	1	2	2	80	.71	.053	20	46	.84	232	.03	4	4.10	.02	.10	2	1
TL L1400N 700W	7	58	12	116	.3	27	12	932	3.30	2	5	ND	2	41	1	2	2	67	.78	.033	17	39	.76	166	.06	3	2.76	.01	.08	1	1
TL L1375N 1200W	2	23	13	123	.1	18	9	509	2.91	5	5	ND	2	31	1	2	2	57	.43	.039	12	30	.49	112	.05	5	1.76	.01	.06	1	1
TL L1375N 1175W	4	34	23	74	.4	19	8	527	2.75	8	5	ND	1	26	1	2	2	48	.36	.034	15	28	.46	110	.04	2	1.54	.01	.06	1	9
TL L1375N 1150W	1	20	14	125	.3	19	9	682	3.15	4	5	ND	2	26	1	2	2	67	.26	.041	10	37	.62	88	.08	4	1.74	.01	.04	1	1
TL L1375N 1125W	1	18	12	69	.1	16	8	361	2.86	3	5	ND	2	24	1	2	2	73	.25	.026	9	35	.53	67	.09	5	1.36	.01	.05	1	6
TL L1375N 1100W	1	20	17	151	1.0	17	9	397	5.27	8	5	ND	4	23	1	2	2	115	.19	.088	10	44	.52	80	.12	4	2.45	.01	.06	1	1
TL L1375N 1075W	1	21	11	71	.1	22	8	342	2.86	4	5	ND	2	30	1	2	2	62	.30	.026	10	35	.65	89	.08	5	1.98	.01	.05	1	1
TL L1375N 1050W	1	20	14	57	.1	17	6	296	2.47	5	5	ND	4	28	1	2	2	56	.29	.021	10	30	.57	89	.09	2	1.73	.01	.05	1	1
TL L1375N 1025W	1	14	14	52	.1	14	6	295	2.36	2	5	ND	2	27	1	2	2	58	.27	.023	10	26	.50	73	.09	2	1.42	.01	.04	1	3
TL L1375N 1000W	1	22	17	62	.2	16	7	311	2.60	6	5	ND	3	31	1	2	3	63	.31	.018	9	29	.57	98	.09	4	2.02	.01	.05	1	1
TL L1375N 975W	1	18	15	56	.1	20	8	311	2.88	5	5	ND	2	32	1	2	2	72	.32	.017	10	33	.63	118	.09	2	2.05	.01	.05	1	1
STD C/AU-S	20	61	38	130	7.4	69	30	1121	4.01	39	14	8	40	50	19	18	19	61	.48	.096	42	60	.89	180	.07	39	1.90	.07	.15	14	47

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L1375N 950W	1	22	14	97	.1	11	5	276	2.27	2	5	ND	2	26	1	2	2	52	.24	.014	8	23	.42	89	.07	9	1.40	.01	.03	1	1
TL L1375N 925W	2	23	24	80	.7	14	10	533	4.06	7	5	ND	1	17	1	2	2	60	.19	.198	11	32	.32	100	.04	9	1.94	.01	.04	1	2
TL L1375N 900W	8	79	10	140	.4	26	9	678	3.46	2	5	ND	1	34	1	2	2	60	.52	.039	12	37	.70	151	.04	10	2.63	.01	.08	1	1
TL L1375N 875W	3	16	9	72	.1	11	6	290	1.87	2	5	ND	1	32	1	2	2	37	.40	.026	9	21	.28	177	.03	11	1.26	.01	.05	1	5
TL L1375N 850W	6	40	13	143	.2	21	14	782	3.88	3	5	ND	1	37	1	2	2	65	.51	.063	14	34	.53	199	.03	10	2.38	.01	.06	1	1
TL L1375N 825W	3	14	15	55	.1	9	5	347	2.23	2	5	ND	1	30	2	2	2	49	.33	.028	8	25	.24	112	.05	9	1.17	.01	.04	1	1
TL L1375N 800W	3	18	10	50	.1	16	7	337	2.53	3	5	ND	1	31	1	2	2	53	.33	.018	8	27	.52	117	.07	8	1.52	.01	.04	1	1
TL L1375N 775W	3	15	7	76	.1	15	6	309	2.52	2	5	ND	2	29	1	2	2	54	.30	.017	8	25	.48	118	.07	10	1.43	.01	.04	1	2
TL L1375N 750W	3	15	10	214	.1	14	7	357	2.71	2	5	ND	1	23	1	2	2	50	.27	.040	8	26	.45	95	.05	12	1.62	.01	.05	1	1
TL L1375N 725W	11	88	17	84	.1	23	9	546	3.77	4	5	ND	2	29	1	2	2	73	.45	.017	15	36	.69	155	.04	9	2.86	.01	.07	1	1
TL L1375N 700W	6	107	15	118	.1	30	13	875	3.89	4	5	ND	2	37	1	2	2	70	.67	.020	15	44	.86	186	.04	6	3.14	.02	.08	1	2
TL L1350N 1200W	2	35	19	203	.6	19	10	503	4.56	10	5	ND	1	33	1	2	2	71	.31	.110	9	35	.53	125	.06	9	3.86	.01	.06	1	1
TL L1350N 1175W	4	34	4	73	.1	14	6	397	2.40	2	5	ND	1	49	1	2	2	41	1.01	.048	8	25	.38	143	.03	11	1.59	.01	.05	1	1
TL L1350N 1150W	3	34	23	70	.1	18	8	442	2.49	6	5	ND	1	32	1	2	2	37	.54	.037	11	27	.39	117	.03	8	1.45	.01	.05	1	1
TL L1350N 1125W	1	17	11	63	.2	13	6	232	2.16	3	5	ND	1	27	1	2	2	47	.27	.018	8	25	.42	76	.06	11	1.30	.01	.04	1	2
TL L1350N 1100W	1	23	21	149	.2	20	13	1203	3.68	3	5	ND	1	27	1	2	2	66	.28	.064	8	36	.64	120	.05	8	2.18	.01	.08	1	1
TL L1350N 1075W	1	16	8	60	.1	15	6	275	2.25	2	5	ND	1	26	1	3	2	47	.24	.021	8	26	.50	72	.07	11	1.39	.01	.04	1	1
TL L1350N 1050W	1	19	8	55	.1	16	6	299	2.61	2	5	ND	1	24	1	2	2	53	.24	.027	8	31	.54	82	.07	9	1.62	.01	.04	1	1
TL L1350N 1025W	1	14	9	45	.1	13	5	228	2.07	2	5	ND	2	24	1	4	2	45	.23	.014	8	24	.44	75	.07	13	1.27	.01	.03	2	1
TL L1350N 1000W	1	14	7	36	.1	10	5	195	1.80	2	5	ND	1	27	1	2	2	43	.24	.010	8	21	.41	67	.07	11	1.27	.01	.03	1	1
TL L1350N 975W	1	21	26	49	.1	15	6	263	2.27	2	5	ND	1	29	1	2	2	49	.26	.020	9	27	.54	98	.06	10	1.79	.01	.04	1	2
TL L1350N 950W	1	17	7	49	.1	15	6	247	2.26	2	5	ND	1	27	1	2	2	48	.23	.016	8	26	.47	96	.06	9	1.69	.01	.03	2	1
TL L1350N 925W	1	26	9	71	.1	17	7	309	2.75	2	5	ND	1	24	1	2	2	54	.25	.026	7	30	.60	114	.07	9	2.12	.01	.06	1	1
TL L1350N 900W	1	16	8	84	.2	13	6	295	3.33	4	5	ND	1	23	1	2	2	66	.22	.070	8	29	.43	95	.07	11	1.53	.01	.05	1	1
TL L1350N 875W	3	20	10	124	.1	17	8	421	4.02	2	5	ND	1	25	1	2	2	62	.32	.124	8	31	.50	124	.04	10	2.07	.01	.06	1	1
TL L1350N 850W	8	52	11	109	.4	22	10	537	3.36	2	5	ND	1	41	3	2	2	60	.69	.054	12	35	.61	180	.02	8	2.48	.01	.09	1	1
TL L1350N 825W	2	16	5	58	.1	19	7	321	2.60	2	5	ND	1	27	1	2	2	51	.34	.025	8	30	.51	89	.06	8	1.35	.01	.04	1	1
TL L1350N 800W	1	17	7	59	.1	18	9	618	2.68	2	5	ND	1	43	1	2	2	50	.24	.025	8	30	.58	178	.05	8	1.66	.01	.04	1	2
TL L1350N 775W	2	20	9	52	.2	20	9	331	3.46	2	5	ND	1	26	1	2	2	63	.23	.026	8	33	.62	119	.07	7	2.09	.01	.05	1	1
TL L1350N 750W	2	16	4	88	.1	20	7	268	2.79	2	5	ND	1	23	1	2	2	51	.26	.028	7	30	.56	93	.07	9	1.65	.01	.05	1	1
TL L1350N 725W	4	39	15	117	.1	20	9	802	2.92	2	5	ND	1	28	1	2	2	50	.41	.030	12	31	.53	127	.04	10	2.02	.01	.05	1	1
TL L1350N 700W	6	16	11	135	.1	13	7	393	2.68	2	5	ND	1	20	1	2	2	56	.18	.027	7	26	.39	71	.05	9	1.64	.01	.04	1	1
TL L1325N 1200W	2	18	12	164	.1	13	7	467	4.10	6	5	ND	1	24	1	2	2	71	.23	.115	8	35	.43	84	.06	11	2.36	.01	.04	1	1
TL L1325N 1175W	2	23	14	169	.1	17	8	425	4.24	5	5	ND	1	29	1	2	2	77	.27	.069	7	41	.46	101	.07	11	2.26	.01	.04	1	1
TL L1325N 1150W	3	27	14	79	.1	20	8	592	2.70	3	5	ND	1	29	1	2	2	47	.41	.031	10	30	.47	111	.04	9	1.63	.01	.05	1	1
TL L1325N 1125W	2	22	9	69	.1	16	7	365	2.52	2	5	ND	1	29	1	2	2	49	.33	.028	9	29	.49	100	.05	10	1.63	.01	.04	1	2
STD C/AU-S	19	58	38	132	7.3	68	29	1040	4.10	40	19	8	38	51	18	18	20	57	.46	.087	38	60	.86	179	.07	34	1.91	.06	.14	14	49

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
TL L1325N 1100W	1	29	6	71	.1	21	9	589	2.52	2	5	ND	2	36	1	2	2	50	.48	.033	8	31	.63	102	.06	2	1.50	.01	.04	1	3
TL L1325N 1075W	1	21	13	81	.1	20	9	662	2.82	2	5	ND	1	26	1	2	2	58	.27	.035	8	32	.61	92	.05	2	1.66	.01	.05	1	1
TL L1325N 1050W	1	15	11	66	.1	16	5	298	2.30	2	5	ND	2	23	1	2	2	49	.24	.021	8	25	.51	63	.06	2	1.36	.01	.03	1	1
TL L1325N 1025W	1	16	9	60	.1	15	6	341	2.40	3	5	ND	1	24	1	2	2	55	.23	.023	8	27	.51	77	.06	3	1.32	.01	.03	1	1
TL L1325N 1000W	1	29	12	65	.1	20	8	342	2.96	7	5	ND	2	25	1	4	2	57	.26	.019	9	34	.66	107	.06	2	2.04	.01	.04	1	1
TL L1325N 975W	1	19	17	43	.1	14	5	255	2.10	2	5	ND	3	24	1	2	2	47	.23	.015	7	24	.46	82	.06	2	1.51	.01	.04	1	1
TL L1325N 950W	1	21	7	58	.1	18	7	288	2.41	2	5	ND	3	26	1	2	2	49	.25	.015	8	27	.57	106	.06	4	1.93	.01	.03	1	2
TL L1325N 925W	1	15	10	37	.1	9	4	176	1.49	2	5	ND	1	22	1	2	3	36	.20	.015	7	19	.32	79	.05	4	1.36	.01	.03	1	1
TL L1325N 900W	1	25	10	71	.1	21	7	356	3.28	4	5	ND	2	23	1	2	2	59	.24	.045	7	30	.62	118	.06	3	1.97	.01	.04	1	1
TL L1325N 875W	1	13	3	61	.1	11	5	310	1.87	2	5	ND	1	22	1	2	2	41	.24	.033	8	22	.38	82	.06	2	1.13	.01	.05	1	1
TL L1325N 850W	2	16	10	80	.4	15	6	292	3.50	5	5	ND	2	24	1	4	2	58	.23	.101	8	30	.50	87	.06	2	1.95	.01	.05	1	1
TL L1325N 825W	2	22	15	149	.2	18	8	420	3.21	5	5	ND	2	27	1	2	2	52	.29	.066	10	26	.53	97	.06	2	2.33	.01	.06	1	1
TL L1325N 800W	1	9	9	80	.2	12	6	367	2.21	2	5	ND	1	25	1	2	2	46	.27	.031	8	22	.41	83	.06	2	1.16	.01	.03	1	1
TL L1325N 775W	2	15	8	57	.1	16	6	350	2.31	2	5	ND	1	32	1	2	2	49	.40	.019	8	25	.59	107	.07	4	1.45	.01	.03	1	2
TL L1325N 750W	2	19	9	49	.1	17	6	311	2.22	2	5	ND	1	29	1	2	2	47	.38	.014	8	26	.56	94	.06	3	1.48	.01	.04	2	1
TL L1325N 725W	2	19	8	68	.1	16	7	301	2.50	2	5	ND	1	27	1	2	2	52	.31	.021	7	26	.50	80	.06	4	1.51	.01	.04	1	1
TL L1325N 700W	2	27	10	66	.1	20	8	321	2.87	2	5	ND	2	21	1	2	2	56	.20	.032	8	31	.59	104	.06	3	2.09	.01	.05	1	1
TL L1300N 1200W	1	27	12	90	.1	21	8	368	3.07	3	5	ND	1	27	1	2	2	54	.32	.046	7	30	.51	83	.06	3	2.26	.01	.03	1	1
TL L1300N 1175W	1	24	10	206	.5	20	9	506	4.11	6	5	ND	2	44	1	2	2	69	.38	.147	8	36	.54	138	.05	2	3.97	.01	.05	1	1
TL L1300N 1150W	2	25	21	151	.3	17	11	766	3.92	11	5	ND	1	29	1	4	2	55	.25	.076	12	28	.37	99	.04	2	1.82	.01	.05	1	6
TL L1300N 1125W	2	53	10	122	.1	27	9	604	3.30	4	5	ND	1	44	1	2	2	63	.43	.034	11	41	.83	199	.03	3	2.48	.01	.09	1	1
TL L1300N 1100W	1	32	13	87	.1	20	10	964	2.67	3	5	ND	1	32	1	2	2	54	.27	.031	8	33	.65	110	.05	5	1.78	.01	.05	1	4
TL L1300N 1075W	1	22	13	87	.1	18	7	349	2.59	3	5	ND	1	28	1	2	2	54	.28	.024	9	31	.60	85	.07	3	1.53	.01	.04	1	1
TL L1300N 1050W	1	13	9	60	.1	12	5	240	2.01	3	5	ND	2	25	1	2	2	47	.25	.015	8	25	.42	67	.07	2	1.31	.01	.04	1	1
TL L1300N 1025W	1	13	15	93	.1	15	6	296	2.48	4	5	ND	2	23	1	2	2	53	.22	.026	8	26	.50	77	.07	2	1.50	.01	.04	1	1
TL L1300N 1000W	1	13	15	68	.1	8	4	181	1.62	2	5	ND	2	22	1	2	2	42	.21	.012	8	18	.30	66	.07	4	1.10	.01	.02	1	1
TL L1300N 975W	1	19	12	51	.1	15	6	268	2.26	2	5	ND	2	23	1	2	2	51	.24	.019	8	27	.51	96	.06	3	1.74	.01	.03	1	1
TL L1300N 950W	1	21	17	52	.1	15	6	284	2.41	2	5	ND	2	25	1	2	2	57	.23	.016	8	25	.56	95	.07	4	1.67	.01	.03	1	1
TL L1300N 925W	1	17	12	58	.1	15	6	257	2.27	2	5	ND	1	22	1	2	2	50	.21	.016	7	26	.47	98	.06	2	1.78	.01	.04	1	1
TL L1300N 900W	1	13	6	63	.1	14	6	304	2.20	2	5	ND	1	24	1	2	2	50	.24	.020	7	24	.52	92	.07	2	1.44	.01	.05	1	41
TL L1300N 875W	2	35	15	137	.3	24	10	862	3.49	3	5	ND	1	23	1	2	2	56	.17	.063	9	36	.71	152	.02	2	2.42	.01	.08	1	1
TL L1300N 850W	1	13	11	44	.1	12	5	257	1.96	4	5	ND	2	23	1	2	2	45	.22	.016	8	23	.48	67	.07	2	1.20	.01	.04	2	1
STD C/AU-S	19	61	38	128	7.0	67	29	1127	3.90	39	20	8	39	49	18	17	19	55	.46	.085	37	58	.89	178	.06	35	1.78	.06	.12	14	50
TL L1300N 825W	2	15	14	50	.2	15	5	275	2.19	5	5	ND	1	23	1	2	2	53	.21	.019	9	21	.45	90	.06	2	1.36	.01	.04	2	1
TL L1300N 800W	1	17	13	63	.1	19	8	412	2.97	4	5	ND	1	32	1	2	2	58	.27	.038	8	31	.58	168	.06	2	1.67	.01	.05	1	2
TL L1300N 775W	1	17	13	54	.1	14	7	463	2.40	2	5	ND	1	29	1	2	2	52	.26	.026	8	26	.48	98	.06	3	1.33	.01	.04	1	1
TL L1300N 750W	1	16	12	48	.1	15	6	267	2.14	2	5	ND	1	26	1	2	2	46	.25	.020	8	25	.51	100	.05	2	1.48	.01	.04	1	1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
TL L1300N 725W	1	16	11	63	.1	15	10	819	2.47	5	5	ND	1	27	1	4	2	52	.25	.032	8	26	.53	108	.06	9	1.66	.01	.05	1	1
TL L1300N 700W	1	17	7	70	.1	14	6	278	2.28	2	5	ND	2	29	1	2	2	50	.26	.019	8	24	.49	91	.07	5	1.50	.01	.04	1	1
TL L1275N 1175W	2	18	16	172	.5	15	7	493	4.90	4	5	ND	2	23	1	2	2	78	.19	.191	10	33	.46	84	.07	6	3.27	.01	.06	1	1
TL L1275N 1150W	2	27	7	204	.3	16	8	516	4.41	2	5	ND	1	29	1	2	2	68	.21	.178	9	36	.50	124	.05	6	3.04	.01	.05	1	1
TL L1275N 1125W	2	46	18	131	.2	28	11	723	3.60	2	5	ND	1	37	1	2	2	64	.38	.049	11	42	.87	190	.03	5	2.85	.01	.09	1	1
TL L1275N 1100W	1	19	18	68	.2	17	8	573	2.72	2	5	ND	1	31	1	2	2	57	.32	.026	8	32	.59	72	.08	9	1.37	.01	.05	1	1
TL L1275N 1075W	1	21	18	65	.1	16	6	311	2.33	3	5	ND	1	25	1	2	2	52	.26	.019	7	28	.54	72	.07	7	1.41	.01	.04	1	14
TL L1275N 1050W	1	16	8	68	.2	17	6	277	2.17	2	5	ND	1	30	1	2	2	49	.32	.019	8	26	.52	76	.07	4	1.36	.01	.04	1	1
TL L1275N 1025W	1	20	14	64	.1	17	6	312	2.45	2	5	ND	1	33	1	2	2	56	.35	.022	9	31	.57	84	.08	8	1.54	.01	.04	1	3
TL L1275N 1000W	1	17	13	125	.2	17	7	332	3.02	2	5	ND	2	24	1	2	2	60	.27	.049	8	31	.52	84	.07	9	1.89	.01	.04	1	1
TL L1275N 975W	1	28	16	67	.2	18	7	293	2.72	2	5	ND	2	21	1	2	2	61	.21	.020	7	33	.64	108	.07	7	2.35	.01	.06	1	760
TL L1275N 950W	1	27	13	70	.1	23	8	364	3.09	4	5	ND	1	27	1	2	2	62	.27	.023	8	34	.72	115	.07	5	2.23	.01	.06	1	1
TL L1275N 925W	1	33	12	70	.3	22	8	369	3.20	3	5	ND	2	27	1	2	2	62	.28	.025	9	37	.72	127	.07	6	2.44	.01	.06	1	158
TL L1275N 900W	1	34	13	72	.1	26	9	370	3.05	2	5	ND	2	26	1	2	2	59	.27	.031	8	33	.71	128	.06	10	2.39	.01	.06	1	1
TL L1275N 875W	1	17	17	81	.4	15	6	353	2.89	2	5	ND	1	25	1	2	2	58	.25	.040	7	32	.53	77	.06	6	1.78	.01	.05	1	1
TL L1275N 850W	1	28	11	55	.1	20	8	388	2.95	2	5	ND	2	29	1	2	3	58	.32	.024	9	33	.71	91	.08	6	1.75	.01	.05	1	1
TL L1275N 825W	1	29	13	65	.1	20	7	379	2.78	7	5	ND	2	27	1	2	2	56	.27	.024	8	30	.67	117	.06	3	2.09	.01	.06	1	1
TL L1275N 800W	1	25	12	67	.1	18	7	454	2.77	5	5	ND	1	33	1	2	2	62	.33	.031	9	30	.63	132	.07	5	1.69	.01	.06	1	3
TL L1275N 775W	1	24	12	75	.1	18	8	453	2.74	4	5	ND	1	30	1	2	2	56	.32	.031	9	31	.61	126	.06	6	1.86	.01	.06	1	1
TL L1275N 750W	1	19	10	57	.1	18	7	359	2.44	4	5	ND	1	29	1	2	2	51	.26	.023	9	28	.60	113	.07	7	1.59	.01	.05	1	1
TL L1275N 725W	1	17	6	55	.1	15	8	669	2.09	3	5	ND	1	28	1	4	2	44	.29	.021	7	25	.52	96	.07	5	1.33	.01	.04	1	1
TL L1275N 700W	1	13	9	41	.1	11	5	301	1.92	2	5	ND	1	29	1	2	2	45	.26	.018	7	22	.35	99	.06	5	1.22	.01	.04	1	1
TL L1250N 1175W	2	19	19	165	.3	17	8	454	4.04	4	5	ND	2	23	1	2	2	77	.18	.069	8	34	.52	121	.05	2	2.72	.01	.05	1	1
TL L1250N 1150W	2	22	19	251	.3	22	10	514	4.18	5	5	ND	2	21	1	2	2	64	.15	.144	10	36	.59	103	.05	11	3.56	.01	.05	1	130
TL L1250N 1125W	2	25	37	204	.6	19	8	519	4.29	5	5	ND	2	22	1	2	2	66	.17	.146	10	40	.51	96	.06	4	3.40	.01	.05	1	1
TL L1250N 1100W	1	27	14	108	.1	20	9	596	3.09	2	5	ND	2	27	1	2	2	59	.26	.032	9	36	.67	101	.05	4	2.20	.01	.07	1	1
TL L1250N 1075W	1	28	14	93	.2	21	9	562	2.82	2	5	ND	1	29	1	2	2	54	.26	.027	8	35	.68	108	.04	5	1.90	.01	.06	1	1
TL L1250N 1050W	1	33	17	91	.2	21	7	385	2.68	2	5	ND	2	28	1	2	2	52	.27	.023	9	34	.65	103	.05	4	1.92	.01	.07	1	1
TL L1250N 1025W	1	17	8	92	.3	15	5	287	2.31	2	5	ND	2	26	1	2	2	50	.28	.031	8	28	.51	91	.06	2	1.63	.01	.05	1	1
TL L1250N 1000W	1	22	12	66	.2	20	8	302	3.23	2	5	ND	3	29	1	3	2	71	.30	.021	8	36	.57	118	.08	6	2.02	.01	.05	1	1
TL L1250N 975W	1	76	43	128	.3	28	10	350	4.09	2	5	ND	2	21	1	2	2	68	.22	.035	9	59	.82	229	.01	3	5.33	.01	.14	1	535
TL L1250N 950W	2	23	14	55	.3	13	6	294	2.54	6	5	ND	2	21	1	4	2	69	.19	.018	8	28	.44	85	.07	3	1.81	.01	.05	2	1
TL L1250N 925W	1	24	6	48	.1	18	7	272	2.70	2	5	ND	1	27	1	2	2	54	.26	.024	8	31	.53	102	.06	5	2.03	.01	.04	1	1
TL L1250N 900W	1	25	10	56	.1	19	8	366	2.62	6	5	ND	3	29	1	2	2	55	.29	.016	7	32	.59	96	.08	5	1.53	.01	.04	1	1
TL L1250N 875W	1	16	12	59	.2	16	6	266	2.49	2	5	ND	2	25	1	2	2	54	.25	.023	8	26	.48	122	.08	5	1.92	.01	.03	1	1
TL L1250N 850W	1	17	10	42	.1	13	5	259	1.95	2	5	ND	1	27	1	2	2	44	.28	.018	8	24	.48	73	.07	8	1.25	.01	.04	1	3
STD C/AU-S	19	57	39	128	7.0	68	29	1117	3.93	41	19	7	37	50	17	17	19	55	.48	.083	37	59	.90	172	.06	36	1.81	.06	.13	13	49

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L1250N 825W	1	17	12	47	.2	15	6	275	2.35	2	5	ND	2	29	1	2	2	51	.26	.017	9	25	.54	86	.08	3	1.53	.01	.04	1	5
TL L1250N 800W	1	21	11	45	.1	14	6	251	2.14	3	5	ND	2	29	1	2	2	47	.25	.019	8	24	.44	90	.06	2	1.33	.01	.06	1	1
TL L1250N 775W	1	43	12	103	.2	31	15	808	4.07	3	5	ND	1	33	1	2	2	73	.29	.040	11	44	.93	237	.03	4	3.32	.01	.11	1	3
TL L1250N 750W	1	19	14	53	.1	16	7	306	2.39	2	5	ND	1	30	1	3	2	52	.27	.020	9	28	.50	111	.07	2	1.53	.01	.05	1	1
TL L1250N 725W	1	17	10	50	.2	15	6	226	2.22	2	5	ND	2	29	1	2	2	49	.25	.017	8	26	.44	102	.07	2	1.52	.01	.04	1	1
TL L1250N 700W	1	15	6	38	.1	12	5	211	2.11	2	5	ND	1	30	1	2	2	51	.26	.017	7	24	.40	82	.08	2	1.17	.01	.04	1	3
TL L1225N 1175W	2	17	18	228	.3	18	9	461	4.79	5	5	ND	2	34	1	2	2	79	.24	.087	9	30	.45	139	.08	2	3.27	.01	.06	1	1
TL L1225N 1150W	2	29	15	193	.4	16	8	698	4.18	3	5	ND	2	25	1	2	2	64	.17	.132	10	35	.43	94	.06	2	3.07	.01	.05	1	1
TL L1225N 1125W	1	25	14	164	.7	20	8	418	4.00	3	5	ND	1	27	1	4	2	67	.23	.069	11	35	.55	118	.06	4	2.14	.01	.07	1	2
TL L1225N 1100W	1	17	19	90	.2	19	8	537	2.93	2	5	ND	1	27	1	2	2	59	.25	.040	8	35	.54	68	.07	2	1.54	.01	.05	1	3
TL L1225N 1075W	1	89	41	158	.6	31	11	452	3.96	4	5	ND	1	37	1	2	2	66	.30	.077	17	58	.77	317	.01	2	5.04	.01	.15	1	4
TL L1225N 1050W	1	32	22	106	.3	22	11	652	2.94	2	5	ND	1	31	1	2	2	57	.25	.029	9	37	.64	140	.04	2	2.22	.01	.08	1	1
TL L1225N 1025W	1	25	12	68	.3	12	6	359	2.11	2	5	ND	1	26	1	2	2	46	.22	.022	10	27	.36	122	.04	2	1.56	.01	.06	1	2
TL L1225N 1000W	1	15	13	40	.1	8	3	153	1.40	2	5	ND	1	24	1	2	2	37	.20	.011	7	20	.26	58	.06	3	1.06	.01	.04	2	1
TL L1225N 975W	1	19	16	57	.1	11	5	187	1.88	2	5	ND	1	24	1	2	2	43	.20	.012	7	25	.37	88	.05	2	1.81	.01	.05	1	1
TL L1225N 950W	1	21	7	44	.2	15	5	253	2.18	2	5	ND	1	32	1	2	2	50	.32	.022	9	27	.51	88	.08	3	1.59	.01	.04	1	1
TL L1225N 925W	1	22	11	41	.1	16	7	302	2.33	2	5	ND	2	30	1	2	2	50	.30	.016	9	31	.51	80	.09	4	1.37	.01	.03	1	1
TL L1225N 900W	1	24	11	42	.1	16	6	222	2.33	2	5	ND	1	28	1	2	2	53	.26	.015	8	30	.46	97	.07	2	1.80	.01	.03	2	10
TL L1225N 875W	1	19	13	40	.1	14	4	198	1.78	2	5	ND	1	32	1	2	2	35	.30	.028	8	25	.43	92	.06	2	1.30	.01	.04	1	2
TL L1225N 850W	1	27	7	62	.2	22	8	335	2.98	2	5	ND	3	27	1	3	2	57	.28	.033	9	35	.68	102	.07	4	1.95	.01	.06	1	1
TL L1225N 825W	1	19	16	50	.3	13	6	352	2.42	4	5	ND	1	29	1	2	2	57	.23	.034	9	24	.39	114	.07	3	1.25	.01	.06	2	1
TL L1225N 800W	1	16	12	43	.1	14	6	281	2.20	2	5	ND	1	27	1	3	3	50	.24	.014	8	25	.48	73	.09	2	1.20	.01	.04	1	1
TL L1225N 775W	1	32	14	58	.2	22	8	343	2.83	5	5	ND	2	32	1	3	2	55	.26	.017	10	34	.66	124	.06	2	1.93	.01	.06	1	1
TL L1225N 750W	1	23	12	56	.3	19	8	299	2.60	2	5	ND	1	35	1	2	2	52	.31	.022	10	31	.56	143	.06	4	1.64	.01	.06	1	1
TL L1225N 725W	1	18	15	47	.1	15	6	232	2.24	3	5	ND	3	30	1	2	2	51	.27	.016	9	26	.46	117	.08	4	1.56	.01	.05	1	1
TL L1225N 700W	1	18	9	35	.3	15	6	235	2.08	2	5	ND	1	29	1	2	2	46	.29	.013	8	27	.47	89	.07	2	1.36	.01	.03	1	1
TL L1200N 1175W	2	31	59	185	.2	23	13	743	4.09	7	5	ND	2	38	1	2	2	76	.25	.044	9	35	.56	140	.06	2	2.89	.01	.07	1	1
TL L1200N 1150W	2	23	14	186	.3	15	9	689	4.11	7	5	ND	1	28	1	2	2	66	.22	.137	11	35	.38	107	.06	5	2.79	.01	.07	1	1
TL L1200N 1125W	1	25	16	187	.9	19	9	405	3.98	4	5	ND	1	25	1	2	2	64	.15	.119	10	38	.51	96	.05	2	3.10	.01	.06	1	32
TL L1200N 1100W	1	22	12	76	.1	18	7	326	2.52	2	5	ND	2	34	1	2	2	53	.28	.019	9	30	.54	78	.09	4	1.33	.01	.05	1	1
TL L1200N 1075W	2	69	36	164	.3	27	13	708	3.80	4	5	ND	1	37	1	2	2	74	.31	.044	11	47	.81	198	.03	3	3.00	.01	.11	1	1
TL L1200N 1050W	1	26	26	106	.1	20	10	663	3.28	4	5	ND	1	32	1	3	2	73	.25	.037	10	36	.65	115	.07	3	2.02	.01	.07	1	1
TL L1200N 1025W	1	18	13	91	.2	15	7	265	3.00	2	5	ND	2	25	1	2	2	59	.22	.036	8	31	.43	77	.07	2	1.76	.01	.05	1	1
TL L1200N 1000W	1	18	9	70	.2	15	6	293	2.39	2	5	ND	2	29	1	3	2	53	.30	.023	8	28	.52	90	.07	2	1.78	.01	.05	1	1
TL L1200N 975W	1	36	15	111	.3	23	9	303	3.00	6	5	ND	2	26	1	2	2	55	.29	.022	8	35	.62	132	.07	2	2.64	.01	.05	1	2
TL L1200N 950W	1	33	14	78	.1	21	7	253	2.08	2	5	ND	1	27	1	2	2	41	.25	.033	9	33	.52	126	.04	2	2.38	.01	.06	1	1
STD C/AU-S	19	58	41	132	7.3	67	29	1041	4.02	39	19	7	39	51	18	18	21	57	.45	.086	38	61	.84	178	.07	37	1.89	.06	.14	12	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L1200N 925W	1	19	2	43	.1	16	6	219	2.10	2	5	ND	1	30	1	2	3	42	.33	.035	8	33	.52	102	.06	3	1.83	.01	.03	1	55
TL L1200N 900W	1	48	11	49	.3	18	5	154	1.67	3	5	ND	1	39	1	2	2	38	.51	.070	13	43	.31	213	.02	2	2.56	.01	.04	1	1
TL L1200N 825W	1	80	10	51	.4	21	4	105	2.09	8	5	ND	1	41	1	3	2	36	.49	.133	19	38	.25	325	.01	4	3.52	.02	.09	2	1
TL L1200N 800W	1	15	6	45	.1	16	5	271	2.34	2	5	ND	1	26	1	2	2	50	.26	.017	8	27	.56	82	.08	2	1.49	.01	.04	2	2
TL L1200N 775W	2	34	26	106	.1	28	18	1219	5.45	11	5	ND	1	30	1	2	3	121	.25	.076	12	44	.80	221	.07	2	3.26	.02	.12	1	1
TL L1200N 750W	1	15	13	56	.1	18	8	462	3.05	3	5	ND	1	31	1	2	2	67	.28	.035	10	30	.55	119	.07	2	1.75	.01	.06	1	2
TL L1200N 725W	1	21	14	61	.1	21	8	392	3.08	2	5	ND	1	30	1	2	2	61	.27	.024	9	34	.67	129	.06	3	2.15	.01	.05	1	1
TL L1200N 700W	1	11	10	48	.1	21	8	317	2.85	4	5	ND	1	34	1	2	2	57	.34	.017	7	33	.62	91	.09	2	1.59	.01	.03	1	1
TL L1175N 1150W	1	19	10	183	.1	15	9	755	5.41	6	5	ND	1	30	1	2	2	81	.25	.216	10	41	.54	112	.07	4	3.77	.01	.04	1	1
TL L1175N 1125W	1	23	20	260	.3	18	10	835	4.96	9	5	ND	1	24	1	2	2	63	.18	.345	11	35	.39	108	.06	3	4.92	.01	.05	1	1
TL L1175N 1100W	1	12	5	97	.1	16	7	329	2.51	2	5	ND	2	32	1	2	2	52	.30	.028	8	30	.47	100	.07	4	1.64	.01	.04	1	4
TL L1175N 1075W	1	24	9	151	.1	27	9	351	3.21	4	5	ND	1	29	1	2	2	58	.27	.029	9	38	.68	129	.09	2	2.53	.01	.04	1	1
TL L1175N 1050W	1	15	7	171	.1	17	8	422	3.04	3	5	ND	1	26	1	2	2	58	.24	.049	8	33	.55	91	.07	2	2.00	.01	.05	1	1
STD C/AU-S	19	58	37	126	6.9	68	27	1028	4.06	40	21	7	37	50	18	16	20	56	.47	.087	38	63	.85	170	.07	34	1.87	.06	.12	13	47
TL L1175N 1025W	1	23	9	128	.1	25	9	367	3.67	4	5	ND	2	29	1	2	2	65	.34	.089	9	41	.68	121	.08	5	2.42	.01	.05	1	1
TL L1175N 1000W	1	13	8	58	.1	15	6	322	2.20	2	5	ND	2	35	1	2	2	54	.36	.018	9	28	.50	106	.09	2	1.42	.01	.04	1	1
TL L1175N 975W	1	18	13	94	.3	22	9	276	2.88	2	5	ND	2	27	1	2	2	55	.27	.024	8	31	.56	113	.08	2	2.46	.01	.05	1	1
TL L1175N 950W	1	16	22	33	.1	6	2	111	.81	2	5	ND	1	32	1	2	2	29	.20	.026	8	27	.19	121	.04	2	1.43	.01	.03	2	1
TL L1175N 925W	1	13	14	39	.1	13	4	145	1.53	2	5	ND	1	30	1	2	2	35	.30	.023	7	30	.36	127	.03	4	1.92	.01	.04	1	2
TL L1175N 900W	1	16	13	52	.2	16	5	291	2.10	7	5	ND	1	25	1	2	2	36	.31	.031	9	28	.37	94	.03	2	1.48	.01	.04	1	13
TL L1150N 1150W	2	19	16	286	.2	16	7	459	3.80	8	5	ND	1	39	1	2	2	49	.33	.127	11	30	.46	104	.08	2	3.80	.01	.04	1	1
TL L1150N 1125W	1	38	13	159	.1	25	9	454	4.17	11	5	ND	1	27	1	2	2	56	.17	.152	11	36	.50	124	.06	2	3.94	.01	.04	1	1
TL L1150N 1100W	1	11	10	90	.2	16	6	265	2.51	2	5	ND	1	25	1	2	2	51	.23	.020	8	27	.48	82	.07	2	1.65	.01	.04	1	1
TL L1150N 1075W	1	14	16	94	.2	23	8	309	3.20	2	5	ND	1	30	1	2	2	61	.28	.026	8	34	.62	118	.08	4	2.20	.01	.03	1	8
TL L1150N 1050W	1	11	2	102	.1	15	5	220	2.58	5	5	ND	1	24	1	2	2	53	.20	.024	8	26	.39	93	.07	2	1.64	.01	.02	1	1
TL L1150N 1025W	1	10	8	102	.2	11	6	295	2.42	2	5	ND	1	24	1	2	2	52	.22	.030	8	25	.39	87	.07	2	1.32	.01	.03	1	2
TL L1150N 1000W	1	8	12	52	.1	10	4	203	1.67	2	5	ND	1	24	1	2	2	40	.21	.012	7	18	.33	65	.08	2	1.08	.01	.01	1	2
TL L1150N 975W	1	28	17	97	.2	15	6	250	2.52	2	5	ND	2	23	1	2	2	52	.22	.017	9	28	.49	108	.07	2	2.05	.01	.05	1	1
TL L1150N 950W	1	47	14	52	.9	14	4	127	1.89	2	5	ND	1	34	1	2	2	28	.28	.103	9	36	.28	171	.01	2	2.65	.01	.02	1	1
TL L1150N 925W	2	16	15	49	.3	14	6	404	2.68	10	5	ND	1	16	1	2	2	20	.21	.057	11	22	.16	83	.01	2	1.17	.01	.05	4	1
TL L1150N 900W	2	43	10	52	.2	12	5	345	2.25	5	5	ND	1	49	1	2	2	22	1.35	.102	7	22	.21	116	.01	3	1.41	.01	.04	1	2
TL L1125N 1150W	1	16	5	165	.3	20	7	312	3.47	5	5	ND	1	22	1	2	2	55	.19	.082	8	32	.48	120	.05	2	2.26	.01	.04	1	1
TL L1125N 1125W	1	13	14	183	.1	6	7	726	3.62	3	5	ND	1	58	1	2	2	58	.61	.180	8	14	.37	82	.08	2	5.07	.02	.05	1	1
TL L1125N 1100W	1	11	8	150	.4	16	8	472	2.67	4	5	ND	1	23	1	2	2	50	.22	.045	8	30	.47	80	.06	2	1.66	.01	.03	1	1
TL L1125N 1075W	3	134	104	1850	1.1	26	14	1646	3.55	6	5	ND	1	28	8	2	2	56	.31	.051	9	42	.58	126	.05	3	2.73	.01	.05	1	9

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L1125N 1050W	1	16	15	71	.1	17	7	304	2.97	4	5	ND	2	31	1	2	2	64	.31	.016	8	31	.56	87	.09	17	1.93	.01	.04	1	3
TL L1125N 1025W	1	16	9	92	.1	15	7	306	2.67	3	5	ND	1	31	1	2	2	58	.30	.026	9	30	.50	90	.07	16	1.61	.01	.05	1	1
TL L1125N 1000W	1	14	10	91	.1	14	7	315	2.68	2	5	ND	1	28	1	2	2	58	.27	.025	8	29	.48	99	.07	14	1.64	.01	.05	1	1
TL L1125N 975W	1	16	9	78	.1	15	7	272	2.48	2	5	ND	2	27	1	2	2	53	.27	.017	8	27	.51	84	.07	8	1.83	.01	.04	1	33
TL L1125N 950W	2	19	14	79	.1	14	5	293	2.20	3	5	ND	1	26	1	2	2	53	.24	.020	8	27	.47	117	.06	10	1.88	.01	.06	1	114
TL L1125N 925W	9	18	9	58	.1	15	28	2072	3.33	2	5	ND	1	37	1	2	2	65	.49	.045	8	28	.46	118	.05	15	1.49	.01	.06	1	1
TL L1125N 900W	19	27	7	67	.1	20	12	819	4.45	4	5	ND	1	36	1	2	2	77	.58	.051	9	34	.63	112	.05	12	2.00	.01	.05	1	2
TL L1100N 1150W	2	17	19	167	.5	15	8	296	4.05	4	5	ND	1	45	1	2	2	75	.45	.040	9	26	.48	103	.08	15	2.51	.01	.07	1	2
TL L1100N 1125W	1	16	19	235	.5	17	7	468	3.65	2	5	ND	2	23	1	2	2	55	.21	.140	10	29	.45	113	.06	15	2.57	.01	.06	1	2
TL L1100N 1100W	2	31	21	194	.3	21	8	376	4.21	10	5	ND	1	23	1	2	2	66	.20	.158	8	36	.50	101	.05	2	2.79	.01	.05	1	3
TL L1100N 1075W	1	13	26	65	.1	15	6	253	2.75	2	5	ND	1	36	1	2	2	63	.34	.023	7	30	.45	79	.08	4	1.39	.01	.04	1	2
TL L1100N 1050W	1	17	17	81	.2	18	7	404	2.67	5	5	ND	2	35	1	2	2	57	.32	.027	9	31	.52	107	.08	3	1.46	.01	.05	1	1
TL L1100N 1025W	1	22	12	84	.1	18	7	315	2.42	3	5	ND	1	31	1	2	2	50	.29	.020	9	30	.58	103	.07	6	1.76	.01	.04	1	1
TL L1100N 1000W	2	54	28	112	.3	24	11	549	3.35	15	5	ND	1	35	1	2	2	55	.47	.046	12	37	.58	130	.04	5	2.17	.01	.07	1	560
TL L1100N 975W	1	26	12	99	.1	16	10	726	2.63	4	5	ND	1	27	1	2	2	54	.24	.033	8	34	.45	127	.04	3	2.13	.01	.06	1	1
TL L1100N 950W	1	25	31	75	.1	16	6	274	2.27	2	5	ND	1	28	1	2	2	45	.27	.027	7	31	.51	118	.04	2	1.98	.01	.07	1	2
TL L1100N 925W	3	27	10	44	.1	16	7	438	2.20	2	5	ND	1	33	1	2	2	46	.46	.034	9	29	.48	92	.06	4	1.44	.01	.04	2	2
TL L1100N 900W	5	58	21	92	.1	128	22	1098	3.74	15	5	ND	2	28	1	2	3	52	.54	.049	9	162	.77	107	.05	3	1.79	.01	.06	1	14
TL L1100N 875W	12	78	16	76	.4	26	10	392	3.53	5	5	ND	1	54	1	3	2	72	1.25	.083	11	39	.72	158	.03	2	2.32	.01	.06	1	3
TL L1100N 850W	5	56	19	76	.3	23	9	397	3.24	2	5	ND	2	55	1	2	2	66	1.03	.042	10	35	.82	117	.05	2	2.29	.02	.05	1	2
TL L1100N 825W	4	26	15	66	.3	16	6	313	2.16	2	5	ND	1	57	1	2	2	49	1.15	.027	9	25	.49	122	.04	2	1.67	.02	.04	1	5
TL L1100N 700W	2	13	13	47	.4	15	6	248	2.03	3	5	ND	2	32	1	2	2	45	.37	.019	9	24	.51	106	.06	3	1.52	.01	.05	2	1
TL L1100N 650W	2	24	11	83	.1	17	9	431	2.94	6	5	ND	1	38	1	2	2	56	.34	.037	10	32	.52	132	.06	2	1.69	.01	.06	1	1
TL L1100N 600W	1	17	11	55	.1	14	6	317	2.05	3	5	ND	3	39	1	3	2	45	.27	.022	9	24	.44	152	.07	3	1.29	.01	.05	1	1
TL L1100N 550W	1	29	6	69	.1	17	7	462	2.30	2	5	ND	1	35	1	2	2	50	.50	.019	10	29	.51	104	.06	3	1.47	.01	.05	1	1
TL L1100N 500W	3	23	13	106	.2	15	8	428	3.08	4	5	ND	1	38	1	2	2	63	.42	.046	8	28	.42	130	.05	3	1.69	.01	.09	1	2
TL L1100N 450W	1	13	12	50	.1	10	5	267	2.00	2	5	ND	1	36	1	2	2	53	.26	.018	8	23	.51	81	.10	4	1.23	.01	.05	1	1
TL L1100N 400W	1	14	9	77	.2	11	6	267	2.31	2	5	ND	3	31	1	2	2	53	.32	.023	10	26	.32	122	.06	4	1.33	.01	.05	1	895
TL L1100N 350W	4	30	14	73	.1	17	9	781	3.06	4	5	ND	2	40	1	3	2	68	.51	.024	11	35	.52	134	.07	3	2.07	.01	.06	1	1
TL L1100N 300W	3	28	19	86	.1	19	10	496	3.29	2	5	ND	3	52	1	2	2	76	.65	.034	8	42	.66	147	.10	2	2.08	.01	.06	1	1
TL L1100N 250W	3	74	25	124	.5	21	13	1632	3.36	2	5	ND	1	58	1	2	2	63	1.16	.063	29	35	.58	240	.03	3	3.15	.02	.09	1	1
TL L1100N 200W	3	17	9	64	.2	14	6	226	2.79	2	5	ND	3	31	1	2	2	61	.37	.022	10	29	.37	119	.04	4	1.58	.01	.06	1	1
TL L1100N 150W	3	67	18	119	.4	31	13	1071	3.54	4	5	ND	3	60	1	2	2	62	.85	.053	17	41	.69	244	.03	2	2.95	.01	.10	1	1
TL L1100N 100W	6	36	14	92	.3	16	10	1148	2.76	3	5	ND	2	47	1	2	2	56	.64	.036	12	30	.46	194	.03	5	1.74	.01	.08	1	1
TL L1100N 050W	2	14	9	72	.4	17	7	246	2.79	4	5	ND	1	31	1	2	2	54	.29	.034	9	31	.44	113	.05	2	1.60	.01	.07	1	1
TL L1100N 000W	4	22	10	56	.3	9	8	392	3.08	2	5	ND	2	33	1	2	2	75	.55	.021	8	25	.45	146	.07	4	1.36	.01	.08	1	1
STD C/AU-S	19	58	38	132	7.2	67	29	1025	4.02	40	21	8	38	51	18	17	19	56	.45	.086	38	60	.84	180	.06	34	1.88	.06	.13	12	52

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU%
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPB	
TL L1075N 1125W	4	22	22	156	.8	16	8	349	4.67	6	5	ND	2	47	1	2	2	94	.30	.046	9	34	.48	143	.07	4	2.58	.01	.06	1	1
TL L1075N 1100W	1	13	6	131	.3	16	7	306	3.18	4	5	ND	3	29	2	2	2	62	.31	.101	8	35	.42	63	.09	5	1.51	.01	.05	1	1
TL L1075N 1075W	3	21	20	138	.3	15	6	452	2.55	5	5	ND	1	34	1	3	2	58	.36	.022	8	30	.49	84	.08	4	1.48	.02	.05	1	1
TL L1075N 1050W	5	90	25	254	.8	42	13	816	4.70	7	5	ND	2	44	1	3	2	79	.57	.087	12	62	.91	316	.02	2	4.78	.02	.16	1	1
TL L1075N 1025W	6	62	52	267	.4	36	20	3001	4.75	5	5	ND	3	46	1	4	2	83	.62	.072	8	59	.84	246	.03	3	3.51	.02	.13	1	1
TL L1075N 1000W	1	18	7	71	.5	18	6	272	2.68	3	5	ND	2	35	1	2	2	63	.36	.014	8	36	.47	89	.10	2	1.40	.03	.05	1	1
TL L1075N 975W	1	18	8	170	.6	16	7	358	2.51	3	5	ND	2	35	1	4	2	62	.29	.015	8	33	.46	91	.10	6	1.57	.02	.06	1	1
TL L1075N 950W	2	10	9	89	.2	11	5	229	2.06	2	5	ND	3	32	1	4	2	58	.36	.007	8	28	.38	77	.11	4	1.16	.03	.05	1	46
TL L1075N 925W	7	117	7	60	.8	15	6	535	2.77	5	5	ND	4	64	1	2	2	39	1.56	.191	21	25	.26	149	.01	2	2.22	.01	.05	1	1
TL L1075N 900W	23	105	8	66	1.6	19	20	3792	3.50	4	5	ND	2	71	1	2	2	64	1.97	.215	13	30	.30	186	.01	3	2.18	.02	.06	1	1
TL L1075N 875W	10	113	12	70	2.0	17	9	1086	2.65	8	5	ND	3	75	1	7	2	54	2.15	.216	10	32	.34	170	.01	2	2.05	.02	.08	2	1
TL L1075N 850W	11	24	11	77	.3	17	8	272	4.52	9	5	ND	2	30	1	3	2	114	.31	.022	7	43	.40	160	.09	2	1.82	.02	.05	1	1
TL L1075N 825W	3	16	12	192	.5	13	7	609	3.68	5	5	ND	2	32	1	3	2	82	.28	.052	8	33	.44	109	.08	4	1.73	.02	.07	1	1
TL L1050N 1075W	1	15	6	82	.5	19	7	249	3.04	4	5	ND	2	28	1	2	2	64	.21	.022	8	35	.46	94	.08	2	1.89	.01	.04	1	1
TL L1050N 1050W	1	18	7	92	.6	23	8	282	3.38	5	5	ND	2	31	1	4	2	69	.24	.027	8	38	.54	106	.08	2	2.16	.01	.05	2	15
TL L1050N 1025W	1	11	7	79	.1	16	6	229	2.81	2	5	ND	1	29	1	5	2	65	.24	.025	7	32	.43	86	.09	2	1.50	.01	.04	1	1
TL L1050N 1000W	1	16	6	53	.4	18	6	226	2.91	5	5	ND	1	30	1	2	2	69	.29	.027	8	34	.46	87	.09	3	1.34	.02	.05	1	1
TL L1050N 975W	1	17	2	55	.1	16	6	307	2.53	4	5	ND	2	34	1	2	2	60	.36	.012	9	33	.46	75	.12	2	1.23	.02	.04	1	1
TL L1050N 950W	1	15	6	75	.2	15	6	280	2.33	2	5	ND	3	46	1	2	2	58	.41	.009	8	33	.48	80	.12	2	1.33	.04	.04	1	4
TL L1050N 925W	1	10	33	146	.1	11	5	385	2.29	3	5	ND	2	35	1	5	2	59	.40	.014	8	26	.46	76	.09	5	1.38	.02	.03	1	1
TL L1050N 900W	1	16	9	101	.3	23	8	331	3.19	3	5	ND	2	35	1	3	2	67	.30	.010	10	41	.56	115	.12	5	1.81	.02	.04	1	1
TL L1050N 875W	2	16	18	105	.1	18	7	339	2.76	4	5	ND	3	37	1	3	2	63	.38	.015	8	34	.51	95	.11	4	1.57	.02	.04	1	1
TL L1050N 850W	1	27	11	53	.2	17	7	434	2.55	2	5	ND	3	52	1	2	2	59	.57	.046	12	34	.52	116	.13	2	1.27	.04	.07	1	1
TL L1050N 825W	2	24	21	56	.3	20	9	322	3.05	8	5	ND	2	41	1	3	2	67	.34	.021	9	37	.58	113	.12	2	1.77	.03	.05	1	4
TL L1050N 800W	2	36	13	55	.4	17	8	459	2.40	4	5	ND	2	41	1	3	5	54	.54	.018	10	31	.49	72	.10	4	1.39	.02	.06	1	1
TL L1050N 800W A	2	23	7	46	.3	17	7	371	2.22	4	5	ND	3	40	1	7	2	52	.58	.027	8	32	.47	90	.10	3	1.16	.02	.05	3	13
TL L1050N 750W	1	84	20	64	1.0	25	6	169	2.50	2	5	ND	3	27	1	5	3	38	.21	.148	13	43	.43	265	.01	3	4.12	.02	.14	1	1
TL L1050N 700W	1	12	8	41	.2	15	5	254	2.28	4	5	ND	1	28	1	2	2	55	.24	.015	8	30	.46	69	.11	2	1.15	.02	.04	1	6
TL L1050N 650W	1	14	6	51	.4	13	6	320	2.59	2	5	ND	1	28	1	2	2	63	.19	.020	8	32	.36	95	.07	2	1.13	.01	.05	1	42
TL L1050N 600W	1	25	10	88	.4	20	8	407	3.25	3	5	ND	3	41	1	3	2	76	.36	.024	10	41	.65	107	.12	2	1.70	.02	.06	1	1
TL L1050N 550W	1	29	6	53	.4	17	8	375	2.74	3	5	ND	3	44	1	3	2	66	.49	.021	10	34	.53	112	.10	2	1.59	.03	.06	1	1
TL L1050N 500W	1	25	12	58	.2	22	9	362	3.24	6	5	ND	3	38	1	4	2	69	.36	.047	10	35	.58	135	.11	2	2.26	.02	.07	1	1
TL L1050N 450W	1	21	5	53	.1	17	7	331	2.82	7	5	ND	1	35	1	3	2	66	.29	.025	9	34	.49	104	.09	2	1.54	.01	.07	1	1
TL L1050N 400W	1	14	13	83	.3	15	6	282	3.12	5	5	ND	2	28	1	2	2	73	.21	.027	8	35	.35	156	.08	10	1.43	.01	.05	1	17
TL L1050N 350W	3	14	3	69	.1	13	5	215	3.13	4	5	ND	2	31	1	5	2	79	.29	.023	8	34	.32	102	.08	2	1.30	.01	.06	1	1
TL L1050N 300W	3	16	6	107	.4	16	8	452	3.56	6	5	ND	2	29	1	3	2	77	.25	.042	10	36	.37	168	.08	2	1.58	.01	.06	1	1
STD C/AU-S	20	60	40	132	7.0	71	28	1057	4.05	42	15	8	40	51	20	18	20	61	.46	.090	40	64	.89	178	.08	38	1.71	.06	.14	13	51

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUM PPB
TL L1050N 250W	1	22	9	52	.1	17	7	332	2.72	5	5	ND	1	40	1	2	2	60	.34	.029	10	30	.44	159	.06	3	1.57	.01	.06	1	1
TL L1050N 200W	3	41	16	70	.1	30	11	801	3.58	2	5	ND	2	58	1	2	2	71	.82	.023	13	39	.73	199	.05	4	3.10	.01	.08	1	1
TL L1050N 150W	2	45	15	63	.1	27	9	652	3.11	3	5	ND	1	55	1	2	2	61	.68	.024	12	35	.63	157	.05	7	2.40	.01	.07	1	1
TL L1050N 100W	1	25	9	50	.1	20	7	281	2.61	2	5	ND	2	44	1	2	2	54	.41	.026	11	31	.49	134	.08	4	1.52	.01	.06	1	1
TL L1050N 050W	1	18	7	61	.1	19	7	296	3.09	2	5	ND	2	47	1	2	2	69	.53	.030	8	33	.43	144	.06	3	1.83	.01	.07	1	1
TL L1050N 000W	3	19	12	43	.1	18	6	270	2.83	2	5	ND	1	33	1	2	2	64	.40	.013	9	32	.44	90	.07	4	1.71	.01	.09	1	9
TL L1025N 1075W	3	24	18	205	.1	18	10	472	5.67	9	5	ND	3	83	1	2	2	109	.53	.042	9	38	.62	332	.09	3	2.82	.01	.06	1	1
TL L1025N 1050W	2	24	22	419	.1	18	12	1060	4.81	6	5	ND	3	49	2	2	2	79	.24	.182	10	33	.58	166	.06	2	3.73	.01	.07	1	1
TL L1025N 1025W	2	21	19	317	.4	16	12	1472	5.10	5	5	ND	1	66	1	2	2	78	.30	.234	12	31	.50	153	.07	6	3.73	.01	.09	1	127
TL L1025N 1000W	1	14	8	126	.1	14	6	390	2.35	2	5	ND	2	30	1	2	2	52	.33	.025	9	28	.45	80	.09	7	1.46	.01	.04	1	1
TL L1025N 975W	2	22	12	162	.1	22	10	525	3.42	2	5	ND	2	32	1	2	2	73	.33	.029	9	37	.51	121	.08	4	2.45	.01	.07	1	1
TL L1025N 950W	1	22	14	84	.1	21	7	284	2.75	2	5	ND	2	35	1	2	2	64	.34	.014	9	33	.53	70	.09	3	1.62	.01	.04	1	2
TL L1025N 925W	1	17	13	55	.1	19	7	285	2.86	2	5	ND	2	37	1	2	2	66	.38	.017	9	30	.55	86	.10	2	1.90	.01	.04	1	1
TL L1025N 900W	2	24	12	127	.1	18	8	356	2.78	2	5	ND	1	39	1	2	2	65	.66	.018	8	31	.48	84	.08	2	1.88	.01	.05	1	1
TL L1025N 875W	1	24	21	88	.1	20	9	728	2.84	4	5	ND	1	37	1	2	2	64	.41	.011	10	32	.49	132	.09	2	1.62	.01	.09	1	3
TL L1025N 850W	1	13	12	73	.1	14	6	293	2.50	2	5	ND	1	33	1	2	2	57	.34	.016	9	23	.44	81	.09	9	1.59	.01	.04	1	1
TL L1025N 825W	1	59	20	108	.2	26	9	436	3.27	2	5	ND	2	44	1	2	2	68	.60	.021	14	39	.66	141	.07	5	2.40	.01	.08	1	2
TL L1025N 800W	2	31	21	115	.1	30	10	399	3.40	5	5	ND	2	38	1	2	2	66	.45	.017	9	35	.67	104	.08	3	2.58	.01	.10	1	1
TL L1025N 775W	1	23	7	87	.1	20	7	354	2.80	4	5	ND	3	35	1	3	2	57	.38	.034	9	32	.61	98	.08	2	1.76	.01	.06	1	1
TL L1025N 750W	1	36	18	65	.1	22	8	325	2.79	4	5	ND	1	33	1	2	2	54	.31	.028	11	31	.69	135	.06	5	2.56	.01	.08	1	1
TL L1000N 1050W	1	22	16	290	.2	18	9	594	4.69	6	5	ND	3	35	1	2	2	88	.29	.114	10	33	.56	124	.07	4	3.35	.01	.08	1	1
TL L1000N 1025W	1	22	19	199	.2	15	10	544	5.31	5	5	ND	2	33	1	2	2	90	.23	.219	10	35	.50	122	.08	2	3.93	.01	.07	1	1
TL L1000N 1000W	2	24	19	259	2.1	15	8	525	4.92	11	5	ND	4	24	1	2	2	58	.13	.191	17	29	.37	129	.08	5	4.58	.02	.07	1	1
TL L1000N 975W	2	31	29	200	.1	21	7	317	2.66	2	5	ND	1	30	1	2	3	58	.35	.020	9	30	.57	89	.08	8	1.88	.01	.04	1	1
TL L1000N 950W	1	17	14	170	.2	16	8	405	2.67	3	5	ND	3	35	1	3	2	58	.36	.048	9	31	.46	103	.08	2	1.69	.01	.05	1	1
TL L1000N 925W	1	21	13	80	.1	16	6	293	2.73	2	5	ND	1	36	1	2	2	66	.34	.012	7	31	.52	64	.08	5	1.68	.01	.04	1	2
TL L1000N 900W	1	22	16	105	.1	20	8	315	3.23	3	5	ND	2	30	1	2	2	68	.29	.027	8	35	.54	112	.08	6	1.79	.01	.05	1	1
TL L1000N 875W	2	35	15	74	.2	19	8	537	2.90	2	5	ND	2	45	1	2	2	63	.77	.038	9	38	.55	103	.07	4	1.53	.01	.07	1	1
TL L1000N 850W	1	36	16	116	.3	18	11	1024	4.32	2	5	ND	2	111	1	2	2	88	.31	.035	11	30	1.15	185	.09	7	3.31	.01	.08	2	1
TL L1000N 825W	1	14	18	149	.1	4	13	824	5.19	5	5	ND	4	98	1	2	2	125	.65	.050	9	7	1.33	127	.16	5	5.36	.02	.09	2	1
TL L1000N 700W	1	22	7	60	.1	19	7	313	2.40	2	5	ND	2	37	1	2	3	56	.41	.015	9	26	.60	98	.09	2	1.59	.01	.04	1	1
TL L1000N 650W	1	42	9	60	.1	19	7	394	2.55	3	5	ND	3	38	1	2	2	59	.35	.014	12	27	.62	119	.08	2	1.90	.01	.05	1	1
TL L1000N 600W	1	18	12	129	.1	15	7	364	3.97	5	5	ND	3	25	1	2	2	73	.21	.081	10	32	.45	112	.08	2	2.16	.01	.05	1	1
TL L1000N 550W	1	17	10	104	.1	17	7	423	3.77	4	5	ND	2	34	1	2	2	77	.31	.090	8	32	.47	132	.07	2	1.86	.01	.06	1	3
TL L1000N 500W	2	14	8	138	.1	16	6	450	2.98	4	5	ND	3	28	1	2	2	62	.27	.041	11	29	.41	117	.08	2	1.48	.01	.07	1	1
TL L1000N 450W	1	70	17	106	.3	33	15	1211	3.97	5	5	ND	4	42	1	2	3	74	.40	.042	14	42	.80	292	.04	5	3.80	.01	.10	1	1
STD C/AU-S	19	61	39	131	7.3	71	29	1066	4.09	42	17	8	40	52	18	17	21	59	.46	.089	39	58	.86	178	.07	37	1.91	.06	.13	12	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L1000N 400W	1	13	9	74	.2	14	6	261	2.98	2	5	ND	1	26	1	2	2	63	.23	.045	9	30	.34	90	.06	8	1.44	.01	.05	1	9
TL L1000N 350W	1	14	4	101	.1	13	9	775	3.23	2	5	ND	2	38	1	2	2	70	.35	.043	9	31	.37	205	.05	5	1.72	.01	.08	1	1
TL L1000N 300W	1	15	2	51	.1	16	6	238	2.91	2	5	ND	2	35	1	2	2	70	.33	.020	9	32	.42	130	.07	6	1.43	.01	.07	1	1
TL L1000N 250W	1	18	127	142	.1	14	7	486	3.85	3	5	ND	2	31	1	2	2	73	.30	.113	9	32	.37	115	.06	9	1.64	.01	.06	1	1
TL L1000N 200W	1	32	11	101	.1	24	11	463	3.68	2	5	ND	2	40	1	2	2	78	.41	.033	10	40	.86	138	.07	8	2.47	.02	.08	1	70
TL L1000N 150W	1	30	4	62	.1	24	9	351	3.04	5	5	ND	2	44	1	2	2	60	.42	.022	11	35	.68	134	.07	9	2.09	.02	.07	1	1
TL L1000N 100W	1	50	24	91	.3	24	13	721	3.67	6	7	ND	5	68	1	2	2	77	.96	.054	11	36	1.01	138	.13	8	2.11	.04	.16	1	1
TL L1000N 050W	1	39	18	105	.1	25	13	816	3.62	3	5	ND	4	59	1	2	2	73	.73	.032	10	38	.79	151	.07	7	2.33	.02	.10	1	1
TL L1000N 000W	1	23	11	50	.1	18	7	332	3.13	5	5	ND	2	38	1	2	2	65	.37	.038	10	31	.48	123	.08	6	1.56	.01	.05	1	1
TL L975N 1050W	3	49	24	285	1.0	21	13	493	6.85	15	5	ND	3	43	1	2	3	111	.30	.071	11	46	.80	124	.10	18	4.12	.02	.05	1	1
TL L975N 1025W	1	25	11	167	.6	12	9	338	4.63	6	5	ND	4	38	1	2	2	83	.51	.144	9	28	.41	114	.07	7	4.58	.02	.06	1	2
TL L975N 1000W	1	34	12	264	.6	17	9	417	4.78	5	5	ND	2	47	1	2	2	69	.25	.160	10	32	.55	144	.06	10	3.97	.01	.06	2	3
TL L975N 975W	1	13	14	69	.1	9	5	220	2.78	3	5	ND	1	24	1	2	2	62	.21	.050	7	28	.24	68	.08	5	1.22	.02	.04	1	1
TL L975N 950W	1	36	17	71	.1	22	8	352	2.96	3	5	ND	1	38	1	2	2	62	.40	.022	8	33	.58	79	.09	7	1.51	.02	.03	1	1
TL L975N 925W	1	23	10	59	.2	17	7	310	2.28	3	5	ND	2	35	1	2	2	60	.40	.016	8	27	.54	80	.08	3	1.57	.02	.05	2	6
TL L975N 900W	8	109	33	221	.2	31	16	2222	4.62	7	5	ND	2	96	2	2	2	79	2.07	.092	14	40	.88	247	.04	8	3.42	.02	.11	1	1
STD C/AU-S	20	61	37	127	7.3	67	30	1059	4.16	39	20	8	40	53	18	18	21	59	.48	.092	40	59	.87	175	.07	35	1.89	.07	.14	13	52
TL L975N 875W	12	69	26	137	.6	28	16	477	5.98	10	5	ND	3	58	1	2	2	72	1.11	.083	13	37	.70	189	.04	8	2.58	.02	.10	1	2
TL L975N 850W	5	101	37	224	.4	25	12	1359	3.80	10	5	ND	3	88	2	2	2	70	1.82	.061	12	36	.82	183	.05	5	2.68	.02	.10	1	2
TL L950N 975W	3	93	42	258	.4	27	15	835	4.59	6	5	ND	2	69	1	2	3	70	.87	.063	12	36	1.01	193	.06	10	2.70	.02	.09	1	90
TL L950N 950W	17	93	34	241	.1	27	23	2359	8.99	14	6	ND	2	78	1	2	4	101	1.00	.066	16	36	1.04	195	.07	4	2.54	.02	.09	1	1
TL L950N 925W	4	165	29	247	.7	31	12	504	4.17	8	6	ND	2	76	3	2	2	74	1.25	.074	18	41	1.00	219	.05	3	3.08	.02	.10	1	3
TL L950N 900W	44	97	26	153	.5	12	18	2150	25.72	58	5	ND	3	72	4	2	2	135	1.45	.134	11	18	.30	201	.02	2	1.35	.01	.05	1	1
TL L950N 850W	1	12	6	140	.1	3	13	802	5.50	4	5	ND	4	247	1	2	2	92	.30	.040	6	6	1.78	319	.01	8	3.40	.01	.09	1	2
TL L950N 825W	1	26	8	104	.1	10	12	1118	5.60	5	5	ND	2	557	1	2	2	107	.44	.104	9	12	1.19	424	.13	13	4.14	.03	.08	1	1
TL L950N 800W	1	9	11	120	.1	9	4	364	2.61	2	5	ND	1	31	1	2	2	65	.20	.041	11	20	.34	176	.05	2	2.57	.01	.05	2	1
TL L950N 775W	2	65	28	191	.1	23	9	616	3.19	3	5	ND	2	60	1	2	2	63	.69	.051	12	32	.89	125	.07	4	2.24	.02	.07	1	2
TL L950N 750W	3	151	43	301	.3	29	11	740	3.20	7	5	ND	3	59	2	2	3	59	.89	.051	17	34	.88	155	.05	6	2.50	.02	.09	3	3
TL L950N 700W	1	28	3	68	.1	22	8	346	2.96	3	5	ND	3	37	1	2	2	57	.38	.026	9	33	.67	137	.08	7	2.24	.02	.05	1	1
TL L950N 650W	2	37	15	76	.3	24	10	495	4.04	7	5	ND	2	52	1	2	2	87	.49	.028	12	38	.63	196	.08	6	2.47	.02	.06	1	1
TL L950N 600W	4	130	81	487	.1	33	12	1027	4.01	4	5	ND	2	77	2	2	2	64	.91	.049	14	36	1.13	155	.06	5	2.87	.02	.10	2	1
TL L950N 550W	2	63	38	237	.2	21	10	694	4.11	5	5	ND	1	46	2	2	2	76	.38	.039	9	34	.83	100	.07	3	2.17	.01	.08	1	3
TL L950N 500W	2	115	72	441	.3	30	11	825	3.91	5	5	ND	3	69	1	2	2	70	.84	.039	15	37	1.00	145	.05	4	2.85	.01	.10	2	5
TL L950N 450W	1	35	11	76	.3	28	12	404	4.35	6	5	ND	3	40	1	2	2	86	.40	.027	9	39	.67	135	.09	6	2.34	.01	.06	1	1
TL L950N 400W	2	16	10	62	.1	11	6	316	3.36	2	5	ND	2	27	1	2	2	87	.20	.026	9	33	.28	154	.07	5	1.49	.01	.06	1	1
TL L950N 350W	1	193	8	120	.3	41	15	915	4.57	6	5	ND	3	72	1	2	2	85	1.24	.045	28	51	1.03	255	.03	8	5.18	.02	.14	2	2
TL L950N 300W	1	26	11	64	.1	21	7	310	3.04	2	5	ND	1	36	1	2	2	66	.33	.020	12	32	.52	124	.05	2	1.84	.01	.05	1	2

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
TL L950N 250W	1	17	10	70	.1	13	10	997	2.81	3	5	ND	1	32	1	2	2	64	.34	.040	9	30	.37	218	.04	5	1.32	.01	.08	1	1
TL L950N 200W	1	13	15	121	.1	16	8	275	3.61	5	5	ND	2	33	1	2	2	87	.36	.039	10	36	.44	130	.06	3	1.88	.01	.07	1	1
TL L950N 150W	1	73	24	97	.1	28	14	713	3.46	4	5	ND	4	74	1	2	2	76	1.83	.056	12	38	1.06	189	.11	9	2.19	.04	.16	1	4
TL L950N 100W	1	20	8	63	.1	24	10	250	3.03	8	5	ND	3	26	1	2	2	68	.24	.029	10	34	.53	122	.07	8	1.94	.01	.07	1	1
TL L950N 050W	1	12	8	62	.1	16	9	272	3.43	5	5	ND	2	27	1	2	2	91	.26	.045	9	31	.51	81	.09	6	1.73	.01	.06	1	1
TL L950N 000W	1	22	11	51	.1	18	9	251	3.48	6	5	ND	1	28	1	2	2	79	.29	.036	9	36	.54	102	.07	5	1.95	.01	.06	1	1
TL L925N 1000W	3	107	47	199	.9	20	7	283	1.63	3	5	ND	3	61	3	2	2	40	1.09	.122	11	34	.48	251	.01	4	2.53	.02	.09	1	10
TL L925N 975W	1	116	53	275	.4	25	11	456	2.40	3	5	ND	3	66	2	2	2	74	1.03	.065	17	40	.89	244	.03	4	2.99	.02	.10	1	3
TL L925N 950W	1	24	13	63	.1	18	8	342	2.43	2	5	ND	2	35	1	2	2	57	.49	.026	10	31	.54	97	.08	7	1.38	.01	.04	1	1
TL L925N 925W	1	35	18	80	.1	18	11	513	2.55	3	5	ND	1	41	1	2	2	57	.49	.038	9	30	.59	115	.08	3	1.48	.01	.07	1	1
TL L925N 900W	1	38	26	100	.1	22	10	437	3.16	5	5	ND	2	35	1	2	2	69	.41	.032	9	38	.78	129	.07	6	1.92	.01	.08	1	2
TL L925N 875W	1	99	40	276	.1	37	20	1310	5.08	10	5	ND	3	30	1	2	4	88	.27	.060	16	57	1.20	274	.02	5	4.53	.01	.15	1	1
TL L925N 850W	12	135	307	685	1.3	4	25	2013	6.19	312	5	ND	6	21	4	2	13	83	.40	.080	15	6	1.95	120	.01	2	3.94	.01	.08	1	1
TL L925N 825W	2	488	47	578	2.1	21	8	1159	2.48	6	5	ND	2	77	6	2	2	33	3.19	.127	34	26	.49	229	.01	5	2.99	.01	.09	1	2
TL L925N 800W	1	32	16	132	.1	5	16	1708	4.34	6	5	ND	2	276	1	2	2	80	.68	.099	9	8	1.25	326	.08	2	4.16	.02	.09	1	1
TL L925N 775W	4	15	20	245	.1	5	16	2734	4.53	2	5	ND	2	29	1	2	2	95	.20	.065	10	16	.80	102	.09	5	2.08	.01	.07	2	1070
TL L900N 1050W	1	117	36	269	2.1	42	15	711	4.28	5	5	ND	2	39	2	2	2	68	.37	.141	10	58	1.11	308	.01	2	5.11	.02	.22	1	1
TL L900N 1025W	1	67	17	111	.1	22	9	420	2.59	2	5	ND	1	53	1	2	2	54	.52	.041	11	36	.74	181	.03	4	2.43	.02	.10	1	2
TL L900N 1000W	1	80	32	200	.2	29	15	1533	3.06	5	5	ND	1	55	2	2	2	59	.65	.049	15	40	.82	218	.04	3	2.28	.02	.08	1	2
TL L900N 975W	1	48	26	132	.1	21	9	508	2.95	3	5	ND	1	44	1	2	2	63	.51	.034	12	38	.67	157	.05	4	1.99	.01	.09	1	1
TL L900N 950W	1	34	22	86	.1	17	9	349	3.14	3	5	ND	3	33	1	2	2	70	.28	.027	10	35	.59	113	.08	6	1.95	.01	.07	1	1
TL L900N 925W	1	42	12	62	.1	24	12	392	2.88	3	5	ND	3	39	1	2	2	63	.48	.038	11	35	.65	115	.09	3	1.70	.02	.07	1	1
TL L900N 900W	1	16	7	44	.1	14	6	223	2.51	2	5	ND	1	25	1	2	2	63	.24	.053	9	31	.39	79	.07	6	1.33	.01	.06	2	1
TL L900N 875W	1	30	13	70	.1	18	8	363	2.47	2	5	ND	1	29	1	2	2	58	.29	.044	9	32	.67	86	.06	2	1.53	.01	.06	1	1
TL L900N 850W	4	105	21	386	.8	12	8	634	3.69	7	5	ND	4	17	1	2	2	70	.16	.042	15	21	.77	150	.01	4	3.56	.01	.08	1	1
TL L900N 825W	3	36	44	371	.5	4	12	943	5.10	4	5	ND	2	36	2	2	4	94	.22	.059	5	7	1.66	130	.01	2	3.94	.01	.08	1	2
TL L900N 800W	2	63	12	73	.6	9	4	167	2.79	5	5	3	6	36	1	2	2	27	.51	.041	41	12	.32	145	.06	2	4.23	.03	.04	1	1
TL L900N 775W	2	9	10	47	.1	10	5	273	2.60	2	5	ND	1	21	1	3	2	66	.15	.019	7	23	.43	61	.06	2	1.56	.01	.04	1	234
TL L900N 750W	2	27	10	88	.1	16	7	279	2.67	3	5	ND	2	35	1	2	2	70	.30	.018	7	27	.55	89	.07	6	1.80	.01	.05	1	12
TL L900N 700W	2	94	67	429	.1	26	16	936	3.59	3	5	ND	2	60	4	2	2	70	.71	.035	11	37	.97	192	.07	5	2.44	.01	.12	1	1
TL L900N 650W	2	128	55	414	.2	23	12	813	3.28	6	5	ND	3	63	4	2	2	66	.90	.043	11	32	.89	97	.06	2	2.06	.02	.08	3	2
TL L900N 600W	1	117	41	430	.1	18	8	822	3.16	2	5	ND	1	63	4	2	2	64	.82	.040	4	27	.90	80	.07	3	1.97	.02	.01	1	3
TL L900N 550W	2	87	49	325	.2	17	11	737	2.97	2	5	ND	2	64	5	2	2	62	.93	.049	9	25	.81	78	.06	9	2.07	.02	.07	2	1
TL L900N 500W	2	61	63	227	.2	18	11	903	3.11	4	5	ND	1	55	4	2	2	71	.48	.045	8	29	.72	137	.07	6	1.49	.01	.08	1	21
TL L900N 450W	3	106	141	548	.1	29	14	921	4.16	6	5	ND	3	51	3	2	4	71	.47	.075	11	39	1.17	111	.06	4	2.63	.01	.07	1	1
TL L900N 400W	2	79	68	335	.3	20	12	1182	3.27	7	5	ND	2	54	4	2	2	63	.51	.051	11	31	.90	161	.07	2	1.68	.01	.11	1	3
STD C/AU-S	20	62	41	132	7.3	69	32	1067	3.90	41	16	8	40	50	19	17	21	61	.49	.094	41	60	.92	181	.07	41	1.84	.07	.16	14	53

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPH	PPH	PPM	PPM	PPH	PPH	I	PPH	PPM	PPM	PPH	PPH	PPM	PPM	PPM	PPH	%	%	PPM	PPM	%	PPM	%	PPH	%	%	%	PPH	PPB
TL L900N 350W	2	55	62	298	.2	15	10	1387	2.77	3	5	ND	2	66	22	2	2	59	.72	.051	10	24	.66	158	.07	2	1.58	.01	.10	1	14
TL L900N 300W	2	143	54	681	.1	28	13	977	3.78	7	5	ND	1	64	11	2	2	71	.82	.059	13	37	1.08	86	.06	5	2.31	.02	.09	1	2
TL L900N 250W	1	74	51	359	.1	21	11	684	3.35	2	5	ND	2	69	3	2	2	68	.80	.058	10	33	.91	102	.06	5	2.20	.02	.11	1	8
TL L900N 200W	1	25	25	82	.1	20	11	624	3.06	2	5	ND	2	55	1	2	2	72	.61	.027	9	35	.68	89	.11	7	1.57	.01	.16	1	1
TL L900N 150W	1	25	11	71	.1	27	10	316	3.38	6	5	ND	2	31	1	2	2	64	.26	.047	10	37	.61	140	.07	7	2.14	.01	.06	1	1
TL L900N 100W	1	10	8	62	.1	8	5	233	2.28	2	5	ND	1	29	1	2	2	57	.27	.030	9	24	.28	111	.07	3	1.01	.01	.05	1	9
TL L900N 050W	1	39	17	108	.1	22	9	395	3.35	4	5	ND	1	46	1	3	2	76	.52	.035	11	33	.75	139	.06	3	2.12	.02	.09	1	1
TL L900N 000W	1	34	17	85	.3	24	10	560	2.74	2	5	ND	1	49	1	2	2	54	.56	.086	10	30	.47	195	.05	4	1.69	.01	.13	1	1
TL L875N 1200W	1	60	38	114	.8	20	6	269	2.42	3	5	ND	1	60	1	2	2	46	.59	.041	12	30	.54	218	.02	6	2.22	.01	.09	1	1
TL L875N 1175W	1	52	18	125	.1	30	10	570	3.35	6	5	ND	2	45	1	2	2	65	.45	.041	13	40	.90	198	.05	3	2.62	.01	.09	1	1
TL L875N 1150W	1	31	14	95	.1	24	9	482	3.14	5	5	ND	2	34	1	2	2	64	.32	.035	10	35	.75	123	.07	5	2.06	.01	.07	1	3
TL L875N 1125W	1	11	18	99	.1	14	7	358	4.01	4	5	ND	2	30	1	2	2	93	.24	.058	7	42	.45	77	.09	6	1.47	.01	.04	1	1
TL L875N 1100W	1	22	30	189	.9	24	11	493	4.82	5	5	ND	3	28	2	2	2	88	.27	.106	9	45	.69	124	.07	6	2.67	.01	.09	1	1
TL L875N 1075W	1	26	44	268	.7	29	11	526	4.72	9	5	ND	3	29	1	2	2	99	.25	.060	8	44	.71	136	.07	6	3.21	.01	.06	1	1
TL L875N 1050W	1	33	17	152	.3	28	11	491	3.77	5	5	ND	2	43	1	2	2	69	.37	.070	10	39	.83	157	.07	7	2.67	.01	.08	1	4
TL L875N 1025W	1	36	16	125	.1	25	10	476	3.49	5	5	ND	1	39	1	2	2	73	.31	.042	13	41	.77	131	.06	4	2.85	.01	.08	1	2
TL L875N 1000W	1	29	17	131	.1	19	7	374	2.42	2	5	ND	1	36	1	2	2	53	.34	.030	9	30	.57	101	.07	3	1.44	.01	.06	1	2
TL L875N 975W	1	20	12	84	.1	16	6	306	2.30	3	5	ND	1	31	1	2	2	51	.31	.029	10	28	.51	106	.08	5	1.39	.01	.05	1	2
TL L875N 950W	1	12	11	65	.2	13	6	243	2.48	3	5	ND	1	34	1	3	2	67	.42	.019	8	30	.40	81	.07	3	1.20	.01	.04	1	3
TL L875N 925W	1	32	20	86	.2	23	9	319	3.04	4	5	ND	3	30	1	2	2	60	.30	.027	9	37	.64	142	.07	3	2.96	.02	.07	1	2
TL L875N 900W	1	25	11	73	.4	26	10	368	3.32	4	5	ND	1	32	1	2	2	68	.33	.041	9	38	.68	131	.07	3	2.73	.01	.07	1	1
TL L875N 875W	1	34	14	119	.2	21	9	449	3.64	6	5	ND	2	25	1	3	2	76	.23	.056	9	39	.67	141	.06	5	2.74	.01	.08	1	1
TL L875N 850W	1	6	9	41	.1	9	4	214	1.73	4	5	ND	1	26	1	2	2	49	.21	.011	6	20	.36	56	.08	3	.93	.01	.03	2	1
TL L875N 825W	1	18	20	134	.7	18	9	319	4.05	6	5	ND	2	43	1	2	2	89	.27	.064	9	43	.48	205	.07	3	1.96	.01	.08	1	1
TL L875N 800W	2	20	21	114	.2	20	8	445	2.84	5	5	ND	3	40	1	4	2	69	.29	.015	8	28	.69	152	.06	3	1.81	.01	.05	1	2
TL L875N 775W	2	19	41	174	.6	16	9	558	5.55	23	6	ND	3	29	1	3	2	99	.23	.140	10	37	.42	109	.08	8	2.92	.01	.06	1	3
TL L875N 750W	2	41	14	115	.1	11	7	595	2.68	2	5	ND	1	47	2	2	2	66	.77	.026	9	26	.34	125	.06	6	1.30	.01	.05	1	1
TL L850N 1200W	1	24	52	113	.5	15	8	544	3.15	4	5	ND	1	25	1	3	2	80	.18	.051	9	28	.45	152	.03	5	2.20	.01	.09	1	1
TL L850N 1175W	1	136	43	279	.8	42	14	1875	4.35	8	8	ND	3	124	1	2	2	62	2.21	.136	13	48	.97	453	.01	2	4.55	.02	.18	1	1
TL L850N 1150W	1	22	21	100	.4	22	8	341	2.92	6	5	ND	1	29	1	2	2	58	.31	.038	8	31	.59	107	.06	6	2.09	.01	.05	1	1
TL L850N 1125W	1	18	19	201	.5	13	10	742	3.89	4	5	ND	1	20	2	2	2	72	.16	.119	10	35	.39	80	.06	4	2.37	.01	.05	1	1
TL L850N 1100W	1	37	31	254	1.4	23	12	765	4.77	16	5	ND	1	27	2	2	2	91	.27	.182	9	45	.66	87	.06	6	3.29	.01	.07	1	14
TL L850N 1075W	1	25	45	253	.5	19	11	697	4.92	9	6	ND	3	28	1	2	2	93	.29	.286	8	42	.54	116	.07	9	2.81	.01	.05	1	8
TL L850N 1050W	1	39	20	161	.1	23	8	460	3.00	4	5	ND	1	31	1	2	2	59	.28	.035	10	35	.76	127	.05	3	2.31	.01	.08	1	3
TL L850N 1025W	1	20	13	109	.2	22	8	380	3.03	6	5	ND	2	38	1	2	2	64	.29	.028	9	34	.80	99	.08	5	1.96	.01	.07	1	1
TL L850N 1000W	1	22	13	147	.2	20	8	397	2.85	5	5	ND	2	62	1	2	2	61	.27	.030	9	30	.74	173	.07	7	2.10	.01	.07	1	2
STD C/AU-S	20	62	40	132	7.2	73	29	1115	4.05	42	18	8	40	55	19	17	18	61	.49	.094	41	60	.92	181	.07	39	1.85	.06	.15	13	51

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	I	I	PPM	PPM	I	PPM	I	PPM	I	I	I	PPM	PPB
TL L850N 975W	1	16	20	107	.4	17	10	794	3.03	4	5	ND	2	31	1	2	2	64	.30	.035	9	36	.53	87	.10	4	1.33	.01	.04	1	1
TL L850N 950W	1	75	50	165	.8	26	10	436	4.13	4	5	ND	2	25	1	2	2	75	.22	.125	10	52	.81	266	.01	4	4.59	.01	.17	1	1
TL L850N 800W	1	50	19	100	.5	27	12	425	3.96	3	5	ND	2	59	1	2	2	71	.52	.063	10	35	.74	187	.07	2	2.77	.01	.08	1	1
TL L850N 775W	1	40	52	158	.3	15	8	622	5.16	34	5	ND	4	20	1	2	4	74	.13	.211	9	41	1.49	76	.07	13	5.34	.01	.05	1	1
TL L850N 750W	1	15	21	127	.3	13	7	455	3.60	2	5	ND	1	20	1	2	2	65	.17	.076	9	31	.39	68	.08	2	1.95	.01	.06	1	1
TL L850N 700W	2	90	22	170	.1	26	11	683	3.67	4	5	ND	1	71	1	2	2	80	.92	.049	16	40	.91	138	.08	4	2.25	.02	.08	1	1
TL L850N 650W	2	66	39	303	.7	25	12	783	4.05	2	5	ND	3	42	2	2	2	78	.34	.069	10	37	.92	140	.06	3	2.67	.01	.08	1	1
TL L850N 600W	3	142	138	521	.3	30	14	897	3.89	7	5	ND	4	49	3	2	4	63	.37	.044	13	37	1.08	123	.06	2	2.53	.01	.06	1	3
TL L850N 550W	3	121	135	533	.2	30	14	913	4.24	4	5	ND	3	52	2	2	4	65	.42	.052	11	37	1.09	120	.06	2	2.49	.01	.07	1	1
TL L850N 500W	1	74	62	309	.5	16	9	496	4.29	4	5	ND	2	35	2	2	3	81	.30	.098	12	33	.59	112	.06	2	2.60	.01	.07	1	1
TL L850N 450W	3	96	109	465	.1	26	13	1145	4.17	8	5	ND	3	50	2	2	2	68	.42	.067	10	36	1.05	124	.07	2	2.12	.01	.08	1	1
TL L850N 400W	3	163	91	537	.4	30	14	1102	-3.90	6	5	ND	2	61	3	2	2	61	.51	.061	17	37	1.06	146	.05	4	2.54	.01	.11	1	1
TL L850N 350W	2	165	92	539	.4	30	13	1092	3.86	4	5	ND	2	60	3	2	3	61	.50	.056	17	36	1.05	150	.05	7	2.54	.01	.11	1	1
TL L850N 300W	1	26	9	108	.1	22	9	337	3.95	4	5	ND	2	35	1	2	2	79	.34	.050	9	36	.60	136	.06	4	2.10	.01	.08	1	1
TL L850N 250W	1	24	19	105	.1	24	10	356	4.48	6	5	ND	1	34	1	3	2	92	.29	.075	10	39	.66	135	.07	3	2.41	.01	.06	1	83
TL L850N 200W	1	19	6	74	.1	17	8	489	2.85	2	5	ND	2	36	1	2	2	64	.30	.028	9	31	.46	148	.07	4	1.32	.01	.06	1	1
TL L850N 150W	1	49	22	181	.8	24	13	803	4.30	3	5	ND	2	45	1	2	2	80	.45	.079	15	41	.76	206	.04	3	3.21	.01	.12	1	1
TL L850N 100W	1	31	15	60	.1	22	8	358	2.98	2	5	ND	1	41	1	2	2	68	.42	.020	10	32	.70	100	.09	2	2.00	.01	.05	1	1
TL L850N 050W	1	15	11	58	.1	12	6	795	2.90	4	5	ND	1	34	1	2	2	79	.26	.029	8	30	.36	131	.07	6	1.18	.01	.05	1	4
TL L850N 000W	1	68	12	86	.1	31	10	801	3.38	2	5	ND	3	56	1	2	2	66	.81	.025	19	41	.81	183	.04	2	2.73	.02	.07	1	1
TL L825N 1200W	1	13	21	134	.3	15	7	380	2.55	4	5	ND	2	26	1	2	2	51	.21	.036	9	26	.48	103	.06	2	1.68	.01	.06	1	1
TL L825N 1175W	1	62	49	146	.1	28	11	520	3.42	5	5	ND	2	39	1	2	3	61	.40	.029	11	37	.83	116	.07	3	2.18	.01	.06	1	1
TL L825N 1150W	1	38	20	104	.3	22	9	340	3.01	2	5	ND	2	51	1	2	2	66	.52	.021	14	33	.58	158	.06	2	1.99	.01	.05	1	1
TL L825N 1125W	1	44	21	71	.3	25	9	408	3.19	4	5	ND	1	31	1	2	2	66	.30	.029	10	38	.76	120	.09	2	2.41	.01	.06	1	1
TL L825N 1100W	1	17	14	129	.5	20	8	357	3.40	3	5	ND	1	32	1	2	3	66	.24	.048	10	34	.69	97	.07	4	2.62	.01	.05	1	1
TL L825N 975W	1	27	20	124	.1	21	8	560	2.58	2	5	ND	2	31	1	2	2	55	.28	.026	8	29	.62	83	.07	4	1.56	.01	.04	1	1
TL L825N 950W	1	27	19	127	.2	20	7	351	2.94	4	5	ND	3	26	1	3	2	59	.24	.018	9	33	.67	87	.07	4	1.94	.01	.07	1	1
TL L825N 925W	1	24	14	166	.2	18	7	335	2.91	3	5	ND	2	27	1	2	2	58	.25	.035	9	31	.59	106	.06	6	2.17	.01	.06	1	1
TL L825N 900W	1	31	24	95	.2	22	9	344	2.98	2	5	ND	2	38	1	2	2	67	.30	.029	9	34	.72	116	.07	3	2.38	.02	.07	1	25
TL L825N 875W	1	26	8	53	.1	16	7	278	2.40	5	5	ND	2	32	1	4	2	56	.29	.016	8	28	.56	95	.09	4	1.52	.01	.04	1	1
TL L825N 850W	1	23	12	79	.3	18	7	248	2.58	2	5	ND	2	26	1	3	2	54	.25	.028	8	30	.56	123	.07	5	2.36	.01	.06	1	1
TL L825N 825W	1	65	22	57	.1	23	6	157	2.09	2	5	ND	1	36	1	2	2	41	.26	.057	16	41	.41	280	.02	3	3.17	.01	.08	1	1
TL L825N 800W	1	40	22	103	.4	33	13	401	3.99	8	5	ND	4	25	1	2	2	70	.21	.043	10	43	.91	208	.06	3	4.31	.01	.09	1	1
TL L825N 775W	1	24	19	155	.2	18	11	893	4.98	13	5	ND	2	35	1	2	2	85	.24	.156	10	34	.50	218	.08	3	2.22	.02	.06	1	1
TL L825N 750W	1	36	10	189	.2	25	10	435	3.94	6	5	ND	3	26	1	2	2	70	.23	.113	9	36	.63	115	.07	2	2.99	.01	.06	1	1
TL L800N 1200W	1	12	25	149	.4	19	7	323	2.75	4	5	ND	1	25	1	2	2	52	.21	.026	9	28	.61	89	.06	2	1.89	.01	.04	1	1
STD C/AU-S	19	61	41	130	7.3	69	29	1039	4.08	41	18	8	39	55	19	17	21	60	.48	.088	41	59	.90	179	.07	36	1.83	.06	.14	13	51

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L800N 1175W	1	37	13	114	.1	23	8	495	2.86	5	5	ND	3	36	1	2	2	61	.35	.024	10	38	.71	149	.06	3	2.33	.01	.06	1	2
TL L800N 1150W	1	18	9	77	.2	18	8	414	2.67	5	5	ND	1	35	1	2	2	61	.35	.029	9	32	.59	105	.07	3	2.01	.01	.06	1	1
TL L800N 1125W	1	49	43	519	.4	39	12	840	3.48	7	5	ND	4	27	1	2	2	68	.23	.056	11	81	.79	173	.05	3	4.97	.02	.08	1	2
TL L800N 1100W	1	65	35	168	.7	21	11	739	4.17	47	5	ND	2	41	1	2	2	70	.31	.127	10	41	.55	141	.06	3	3.42	.01	.06	1	1
TL L800N 1075W	1	33	12	88	.1	29	10	507	3.36	3	5	ND	3	42	1	2	2	72	.35	.050	10	45	.89	146	.06	2	2.73	.02	.10	1	1
TL L800N 1050W	1	99	30	160	.6	40	13	662	4.20	3	5	ND	2	48	1	2	2	74	.48	.090	9	57	1.09	355	.01	2	5.27	.02	.18	1	1
TL L800N 1025W	1	34	9	127	.1	24	9	487	3.38	3	5	ND	2	39	1	2	2	70	.42	.037	10	44	.82	142	.06	2	2.92	.02	.10	1	4
TL L800N 1000W	1	24	25	130	.2	16	7	407	2.38	2	5	ND	2	29	1	2	2	54	.27	.025	9	32	.56	91	.06	4	1.63	.01	.06	1	2
TL L800N 975W	1	18	37	94	.1	13	5	311	2.31	3	5	ND	2	29	1	2	3	59	.27	.026	9	29	.45	75	.07	3	1.53	.01	.07	1	1
TL L800N 950W	1	23	20	117	.1	16	7	368	2.28	4	5	ND	1	37	1	2	2	55	.31	.025	9	32	.60	83	.07	2	1.61	.01	.07	1	3
TL L800N 925W	1	18	25	89	.1	19	6	298	2.40	2	5	ND	3	43	1	2	3	61	.29	.018	9	33	.62	91	.09	2	1.76	.01	.05	1	1
TL L800N 900W	1	18	9	59	.1	14	5	231	2.01	2	5	ND	2	30	1	3	2	50	.29	.023	8	26	.47	93	.07	3	1.77	.01	.05	1	1
TL L800N 875W	1	56	24	246	.4	39	14	630	5.53	7	5	ND	2	23	1	2	3	120	.17	.050	9	63	1.14	267	.03	2	5.53	.01	.20	1	1
TL L800N 850W	1	17	11	77	.1	22	9	303	2.99	6	5	ND	3	28	1	3	4	60	.26	.033	8	36	.56	124	.09	2	2.55	.01	.05	1	1
TL L800N 825W	1	33	17	103	.1	23	8	333	2.86	4	5	ND	2	30	1	2	2	60	.25	.035	9	37	.62	172	.06	2	2.69	.01	.08	1	1
TL L800N 800W	1	12	10	44	.1	10	4	215	1.64	2	5	ND	1	21	1	2	2	41	.19	.018	6	22	.38	56	.06	2	1.13	.01	.04	2	1
TL L800N 775W	1	18	20	122	.1	10	14	2107	3.09	3	5	ND	1	37	1	2	2	60	.22	.089	10	31	.32	225	.06	3	1.33	.01	.08	1	1
TL L800N 750W	1	37	19	128	.3	24	10	468	3.46	9	5	ND	2	42	2	2	2	64	.37	.076	13	36	.60	138	.08	2	2.66	.01	.08	1	1
TL L800N 700W	4	88	16	196	.3	26	13	520	2.13	4	5	ND	2	59	1	2	2	53	1.04	.044	12	37	.83	170	.05	7	2.25	.02	.09	1	2
TL L800N 650W	3	92	90	311	.1	22	10	799	3.54	6	5	ND	3	43	1	2	2	70	.28	.056	12	38	.82	136	.05	4	2.38	.01	.08	1	1
TL L800N 600W	3	74	89	342	.1	20	9	778	3.50	7	5	ND	1	44	1	2	2	71	.30	.066	11	36	.84	138	.06	2	2.35	.01	.09	1	2
TL L800N 550W	3	79	28	336	.3	20	10	819	3.47	2	5	ND	2	49	1	2	3	77	.33	.051	10	36	.80	174	.06	3	2.42	.01	.09	1	1
TL L800N 500W	2	60	33	329	.3	23	13	1290	3.49	3	5	ND	2	57	8	2	2	80	.45	.044	10	37	.93	166	.07	2	2.19	.01	.11	1	2
TL L800N 450W	2	116	42	286	.1	22	11	605	3.74	4	5	ND	1	47	6	2	2	89	.44	.040	17	44	.91	168	.05	2	2.91	.01	.09	1	1
TL L800N 400W	3	91	86	433	.7	24	14	1418	3.60	8	5	ND	2	53	5	2	2	65	.50	.074	9	37	1.00	147	.06	5	1.93	.01	.09	1	1
TL L800N 350W	2	67	19	126	.2	22	14	1098	3.40	2	5	ND	3	52	1	2	2	74	.85	.027	21	41	.58	193	.04	3	2.59	.02	.10	1	1
TL L800N 300W	4	24	12	76	.1	37	12	449	2.76	2	5	ND	2	49	1	2	2	80	.46	.018	7	95	1.45	75	.11	2	2.37	.01	.07	1	1
TL L800N 250W	1	38	22	101	.2	17	14	957	2.79	2	5	ND	2	37	1	2	2	60	.29	.071	16	33	.49	147	.05	4	2.30	.01	.09	1	1
TL L800N 200W	1	13	18	71	.1	10	6	246	2.84	2	5	ND	1	34	1	2	2	69	.25	.038	10	31	.28	117	.06	2	1.38	.01	.07	1	1
TL L800N 150W	1	14	6	90	.1	14	7	307	3.31	4	5	ND	2	39	1	2	2	78	.34	.046	10	35	.44	128	.08	6	1.51	.01	.07	1	1
TL L800N 100W	1	15	10	85	.1	16	7	350	3.45	5	5	ND	2	33	1	2	2	80	.23	.052	10	39	.49	139	.08	2	1.72	.01	.07	1	1
TL L800N 050W	2	13	7	95	.1	10	5	2273	2.12	2	5	ND	1	28	1	2	2	53	.23	.028	8	26	.21	300	.05	4	1.10	.01	.05	1	1
TL L800N 000W	2	26	7	69	.1	21	9	390	2.65	2	5	ND	3	46	1	2	2	64	.42	.017	12	36	.58	161	.09	2	1.56	.01	.07	1	3
TL L775N 1200W	1	4	9	31	.1	4	3	143	1.20	5	5	ND	1	23	1	4	2	39	.18	.018	6	16	.19	53	.05	3	.87	.01	.04	1	2
TL L775N 1175W	10	53	23	291	.8	30	17	21959	4.53	2	5	ND	1	109	5	2	2	30	1.96	.132	8	24	.25	645	.01	4	1.76	.01	.06	1	1
TL L775N 1150W	2	15	47	123	.3	13	6	420	2.57	2	5	ND	2	24	1	2	2	59	.17	.022	9	28	.38	110	.04	2	2.27	.01	.06	1	2
STD C/AU-S	20	61	39	132	7.5	72	29	1101	3.89	40	16	8	39	54	19	17	19	60	.48	.094	40	64	.91	180	.07	35	1.83	.06	.14	14	51

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BT	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
TL L775N 1125W	1	18	16	63	.3	21	7	308	3.04	6	5	ND	6	26	1	2	2	65	.21	.024	9	33	.55	85	.07	6	2.38	.01	.03	4	2
TL L775N 1100W	1	30	17	76	.2	25	9	369	3.33	5	5	ND	3	22	1	2	2	57	.21	.044	8	35	.63	104	.06	7	2.44	.01	.03	1	8
TL L775N 1075W	1	21	15	83	.3	23	9	372	3.11	2	5	ND	2	33	1	2	3	60	.27	.027	9	32	.74	117	.08	7	2.42	.01	.04	1	1
TL L775N 1050W	1	34	27	151	.2	28	14	919	3.66	2	5	ND	1	54	1	2	2	72	.33	.044	12	37	.88	174	.05	5	3.62	.01	.08	1	1
TL L775N 1025W	1	142	56	287	.4	46	25	2093	6.12	7	5	ND	3	70	2	2	3	108	.80	.085	16	62	1.23	413	.02	2	5.36	.01	.18	1	1
TL L775N 1000W	1	35	17	83	.1	29	10	471	3.42	2	5	ND	2	48	1	3	2	67	.41	.029	11	37	.85	122	.08	4	2.47	.02	.06	1	1
TL L775N 975W	1	30	15	110	.1	23	10	619	2.94	2	5	ND	2	35	1	2	2	57	.30	.032	9	31	.69	106	.06	2	2.00	.01	.06	1	4
TL L775N 950W	1	23	19	127	.2	18	7	445	2.80	3	5	ND	2	30	1	2	2	58	.26	.033	8	28	.61	91	.06	2	1.95	.01	.04	1	1
TL L775N 925W	1	25	26	92	.1	16	5	286	2.35	2	5	ND	1	28	1	2	2	50	.26	.022	8	27	.51	84	.06	2	1.73	.01	.05	1	1
TL L775N 900W	1	29	20	156	.2	18	7	347	2.78	3	5	ND	1	27	1	2	2	56	.26	.024	8	30	.60	96	.06	2	2.12	.01	.05	1	1
TL L775N 875W	1	31	17	112	.1	18	6	312	2.49	2	5	ND	3	31	1	2	2	53	.32	.025	9	28	.57	89	.08	8	2.02	.01	.05	1	2
TL L775N 850W	1	24	6	57	.1	23	8	313	2.94	2	5	ND	2	30	1	2	2	61	.27	.022	9	33	.57	108	.09	3	2.26	.01	.04	1	1
TL L775N 825W	1	83	20	38	.5	14	1	55	1.03	2	5	ND	1	18	1	2	2	20	.12	.178	24	29	.12	195	.01	6	3.38	.01	.05	1	6
STD C/AU-S	20	63	40	129	7.3	72	28	1077	4.09	39	19	8	39	53	19	18	20	59	.47	.089	40	59	.85	171	.07	38	1.94	.06	.13	14	52
TL L775N 800W	1	16	7	48	.1	14	5	246	2.23	2	5	ND	1	25	1	2	2	50	.21	.023	7	25	.41	101	.06	5	1.74	.01	.04	2	1
TL L775N 775W	1	18	9	60	.1	14	5	267	2.48	7	5	ND	4	26	1	2	3	53	.22	.015	8	25	.46	78	.07	4	1.67	.01	.05	1	1
TL L775N 750W	1	30	7	72	.1	21	8	377	2.98	3	5	ND	2	24	1	2	2	57	.24	.031	8	31	.66	117	.07	4	2.16	.01	.06	1	8
TL L775N 725W	1	19	10	57	.3	11	5	365	1.98	2	5	ND	1	27	1	2	2	44	.15	.038	9	23	.35	128	.03	4	1.57	.01	.07	1	1
TL L775N 700W	1	51	16	91	.1	23	11	1226	2.89	2	5	ND	2	46	1	2	2	54	.72	.039	12	31	.62	171	.05	5	1.93	.01	.07	1	4
TL L750N 1200W	1	16	26	102	.1	19	6	360	2.93	7	5	ND	3	25	1	2	2	58	.20	.026	8	27	.54	88	.06	2	1.78	.01	.05	1	1
TL L750N 1150W	1	58	34	105	.1	33	10	431	3.40	5	5	ND	3	33	1	2	2	62	.23	.022	13	37	.86	244	.04	7	3.29	.02	.09	1	1
TL L750N 1125W	2	23	29	161	.7	16	12	1159	4.88	12	5	ND	2	19	1	5	2	81	.12	.141	12	36	.48	117	.05	7	2.15	.01	.06	1	2
TL L750N 1100W	1	28	17	114	.1	19	7	333	3.34	3	5	ND	4	30	1	2	2	62	.17	.064	9	31	.49	94	.04	5	3.23	.01	.04	1	1
TL L750N 1075W	1	18	17	104	.1	19	7	331	3.22	5	5	ND	3	33	1	2	2	64	.20	.042	9	28	.53	136	.06	2	2.37	.01	.05	1	5
TL L750N 1050W	1	23	12	73	.2	21	8	336	2.78	3	5	ND	3	33	1	2	2	55	.32	.035	8	30	.58	104	.06	4	1.97	.01	.05	1	2
TL L750N 1025W	1	26	18	110	.2	24	9	521	3.42	2	5	ND	1	61	1	2	2	74	.47	.057	10	37	.74	144	.07	6	2.10	.01	.08	1	20
TL L750N 1000W	1	18	12	69	.1	17	6	298	2.36	4	5	ND	3	39	1	2	2	50	.29	.020	10	26	.55	101	.07	3	1.80	.01	.06	1	1
TL L750N 975W	1	30	8	85	.1	23	8	388	3.04	2	5	ND	2	38	1	2	4	58	.30	.024	10	32	.72	124	.07	9	2.51	.01	.06	1	2
TL L750N 950W	1	30	11	125	.2	18	8	426	2.84	2	5	ND	2	32	1	2	2	60	.24	.030	10	32	.58	109	.06	3	2.19	.01	.06	1	1
TL L750N 925W	1	34	19	152	.6	21	8	361	2.97	4	5	ND	3	34	1	2	2	58	.28	.024	10	32	.68	118	.06	7	2.40	.01	.07	2	2
TL L750N 900W	1	33	17	153	.2	20	8	381	3.13	5	5	ND	3	33	1	2	3	61	.28	.032	9	34	.68	122	.06	2	2.51	.01	.08	1	1
TL L750N 875W	1	42	36	237	.4	23	9	461	3.53	7	5	ND	3	36	1	2	2	69	.32	.030	8	42	.78	112	.07	10	2.46	.01	.08	1	1
TL L750N 850W	1	38	21	153	.1	28	9	375	3.32	2	5	ND	3	28	1	2	3	66	.26	.030	8	39	.74	155	.05	2	3.23	.01	.10	1	1
TL L750N 825W	1	13	22	49	.1	8	4	170	1.65	5	5	ND	3	25	1	4	2	45	.22	.013	8	20	.29	68	.07	6	1.26	.01	.03	2	2
TL L750N 800W	1	37	13	79	.2	21	7	281	2.40	2	5	ND	1	26	1	2	2	48	.21	.045	9	34	.62	147	.03	5	2.61	.01	.09	1	1
TL L750N 775W	1	20	8	68	.2	16	6	271	2.33	3	5	ND	3	24	1	2	2	49	.20	.014	8	25	.51	84	.06	5	1.68	.01	.05	1	1
TL L750N 750W	1	31	15	67	.1	21	8	330	2.91	8	5	ND	2	26	1	2	2	56	.25	.028	8	31	.60	140	.06	2	2.33	.01	.07	1	2

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BT	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
TL L750N 725W	1	41	41	56	.1	17	7	279	2.55	3	5	ND	4	23	1	2	2	50	.21	.023	7	30	.51	111	.06	2	1.96	.01	.05	1	1
TL L750N 725W A	1	21	9	43	.2	16	6	258	2.21	2	5	ND	2	25	1	2	3	47	.24	.026	8	27	.48	88	.06	2	1.58	.01	.05	2	1
TL L750N 700W	1	48	19	91	.1	28	11	391	3.61	2	5	ND	4	124	1	2	2	64	.56	.033	12	37	.73	355	.05	2	2.32	.02	.06	1	2
TL L750N 650W	3	110	25	256	.6	25	11	607	3.96	3	5	ND	3	50	3	2	2	73	.44	.050	12	38	.88	117	.06	6	3.23	.01	.10	1	1
TL L750N 600W	2	102	37	379	.5	29	13	617	4.04	2	5	ND	4	54	3	2	2	73	.40	.051	12	41	.98	156	.05	5	3.50	.01	.09	1	1
TL L750N 550W	2	117	37	392	.6	28	13	822	3.91	3	5	ND	4	71	2	3	2	69	.62	.054	13	37	.95	151	.05	2	3.19	.01	.10	1	1
TL L750N 500W	2	90	77	390	.1	26	12	860	3.98	3	5	ND	4	53	3	2	3	72	.44	.068	9	40	.96	143	.05	3	2.84	.01	.10	1	1
TL L750N 450W	1	31	17	221	.3	19	9	796	4.16	3	5	ND	1	37	2	2	2	82	.27	.095	8	34	.71	125	.06	4	2.57	.01	.06	1	1
TL L750N 400W	1	43	40	198	.4	17	8	460	4.01	2	5	ND	4	33	2	2	2	74	.28	.102	8	37	.61	104	.05	7	2.17	.01	.08	1	3
TL L750N 350W	1	35	46	57	.1	15	6	293	2.37	4	5	ND	2	30	1	2	2	50	.24	.027	9	27	.44	103	.06	6	1.42	.01	.06	1	1
TL L750N 300W	3	27	7	68	.1	9	8	338	2.62	2	5	ND	1	39	1	2	2	62	.38	.029	9	27	.26	111	.05	3	1.38	.02	.07	1	405
TL L750N 250W	2	34	6	85	.1	20	9	441	3.11	3	5	ND	2	47	1	2	3	64	.38	.033	10	34	.65	151	.04	2	2.15	.01	.06	1	3
TL L750N 200W	1	33	8	145	.1	19	11	640	3.24	3	5	ND	1	44	1	2	2	58	.44	.059	9	28	.56	151	.04	8	2.14	.01	.08	1	2
TL L750N 150W	2	27	14	74	.1	16	12	1231	2.93	4	5	ND	1	30	1	2	2	62	.24	.029	14	32	.34	155	.04	4	1.72	.01	.06	1	1
TL L750N 100W	2	19	18	94	.1	14	11	1099	3.48	3	5	ND	1	71	1	2	2	72	.26	.080	9	38	.30	456	.05	4	1.51	.01	.06	1	1
TL L750N 050W	3	15	5	44	.1	10	5	198	2.63	6	5	ND	1	25	1	2	2	71	.26	.022	9	30	.25	100	.06	5	1.04	.01	.06	3	1
TL L750N 000W	1	20	9	114	.3	13	7	443	2.79	2	5	ND	2	47	2	2	2	59	.41	.048	12	31	.29	190	.05	4	1.29	.01	.08	1	48
TL L725N 1200W	1	17	18	112	.2	21	8	382	3.07	5	5	ND	3	28	1	3	2	59	.24	.028	9	32	.68	81	.05	8	1.92	.01	.05	1	2
TL L725N 1175W	1	71	79	92	.3	21	9	523	2.55	5	5	ND	2	34	1	2	3	44	.37	.034	13	31	.62	118	.03	4	1.73	.01	.07	1	1
TL L725N 1125W	1	32	26	88	.2	23	7	338	3.03	2	5	ND	3	34	1	2	3	58	.30	.040	9	35	.64	106	.05	2	2.10	.01	.05	1	4
TL L725N 1100W	1	22	12	69	.1	19	7	331	2.75	2	5	ND	3	30	1	2	3	58	.25	.015	9	32	.62	96	.06	3	1.91	.01	.04	1	43
TL L725N 1075W	1	27	21	62	.1	19	7	323	2.80	4	5	ND	3	29	1	2	2	60	.22	.016	10	30	.56	127	.06	3	2.12	.01	.05	1	1
TL L725N 1050W	1	18	17	59	.1	14	6	312	2.35	2	5	ND	2	32	1	2	2	53	.24	.018	9	27	.56	99	.06	4	1.97	.01	.05	1	3
STD C/AU-5	20	61	39	127	7.5	70	30	1076	4.10	42	19	8	40	53	20	17	19	58	.46	.091	41	63	.85	173	.07	37	1.90	.06	.13	13	48
TL L725N 1025W	1	11	10	69	.1	11	4	245	1.91	2	5	ND	2	38	1	2	2	45	.21	.020	9	24	.38	100	.05	3	1.56	.01	.05	1	2
TL L725N 1000W	1	31	14	77	.3	22	8	397	2.79	2	5	ND	1	40	1	2	2	54	.34	.035	10	35	.70	116	.06	6	2.24	.01	.06	1	2
TL L725N 975W	1	22	13	118	.2	21	8	383	2.94	4	5	ND	2	36	1	2	2	57	.28	.030	9	31	.72	101	.07	6	2.29	.01	.07	1	1
TL L725N 950W	1	13	5	89	.1	17	7	293	2.60	3	5	ND	2	34	1	2	2	57	.29	.034	9	29	.59	85	.07	5	1.75	.01	.06	1	1
TL L725N 925W	1	26	15	126	.5	16	6	317	2.31	2	5	ND	4	29	1	2	2	50	.27	.019	8	28	.58	83	.07	3	1.68	.01	.05	1	1
TL L725N 900W	1	26	12	109	.4	16	6	301	2.50	2	5	ND	2	30	1	2	2	54	.23	.025	9	30	.55	99	.06	5	1.92	.01	.06	1	2
TL L725N 875W	1	31	38	162	.3	17	6	336	2.64	3	5	ND	2	30	1	4	2	58	.24	.023	10	31	.61	88	.06	4	1.94	.01	.07	1	1
TL L725N 850W	1	27	26	138	.1	13	6	308	2.42	3	5	ND	2	32	1	2	2	55	.28	.018	9	31	.53	81	.07	4	1.83	.01	.04	1	1
TL L725N 825W	1	21	11	72	.1	13	4	276	2.16	2	5	ND	2	23	1	2	2	52	.18	.012	7	25	.40	71	.05	5	1.65	.01	.05	1	1
TL L725N 800W	1	30	13	83	.1	14	5	247	2.45	2	5	ND	1	28	1	2	2	53	.25	.023	9	32	.51	103	.06	5	1.94	.01	.06	1	1
TL L725N 775W	1	34	13	67	.1	20	7	290	2.54	3	5	ND	2	25	1	2	2	50	.22	.029	9	35	.57	123	.05	5	2.40	.01	.07	1	187
TL L725N 750W	1	33	20	72	.1	23	7	348	2.94	2	5	ND	2	32	1	2	2	56	.29	.028	8	36	.72	136	.07	5	2.58	.01	.07	1	3
TL L725N 725W	1	25	20	58	.2	16	5	269	2.60	4	5	ND	2	23	1	2	2	52	.19	.025	7	31	.49	98	.06	9	2.13	.01	.06	1	1

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AUX PPB
TL L725N 700W	1	21	9	35	.1	14	3	164	1.60	2	5	ND	2	27	1	2	2	38	.23	.012	8	26	.32	90	.05	3	1.56	.01	.05	1	1
TL L700N 1200W	1	13	20	112	.1	14	5	334	2.27	3	5	ND	1	28	1	2	2	50	.26	.036	8	24	.46	77	.06	2	1.48	.01	.05	1	6
TL L700N 1150W	1	45	30	104	.1	27	9	502	3.50	5	5	ND	2	36	1	2	2	72	.28	.031	10	43	.78	122	.05	4	2.39	.01	.06	1	7
TL L700N 1125W	1	32	20	83	.1	24	8	388	3.11	5	5	ND	3	32	1	2	2	64	.27	.024	9	33	.62	109	.07	2	2.17	.01	.06	1	1
TL L700N 1100W	1	14	10	65	.3	14	6	272	2.57	2	5	ND	3	30	1	2	2	60	.25	.018	9	27	.46	100	.07	6	1.74	.01	.04	1	1
TL L700N 1075W	1	19	11	84	.1	17	6	335	2.84	4	5	ND	2	33	1	3	2	61	.27	.027	10	29	.54	113	.08	8	2.07	.01	.04	1	1
TL L700N 1050W	1	39	21	76	.2	30	10	385	3.19	2	5	ND	3	40	1	2	2	60	.34	.025	10	38	.72	156	.07	6	2.92	.01	.07	1	1
TL L700N 1025W	1	44	10	161	.1	35	12	512	4.02	5	5	ND	3	47	1	2	2	70	.41	.050	10	45	.85	190	.06	4	3.72	.02	.08	1	4
TL L700N 1000W	1	25	8	77	.1	25	8	322	2.92	2	5	ND	3	37	1	2	2	60	.28	.021	10	38	.62	118	.07	5	2.68	.01	.06	1	1
TL L700N 975W	1	24	18	112	.3	25	8	359	3.16	5	5	ND	4	35	1	3	2	63	.30	.031	10	35	.67	116	.08	7	2.47	.01	.07	1	1
TL L700N 950W	1	18	9	125	.1	22	7	340	2.91	3	5	ND	3	35	1	2	2	58	.28	.021	10	29	.63	102	.08	3	2.28	.01	.07	1	1
TL L700N 925W	1	27	18	172	.4	19	7	376	3.07	7	5	ND	2	34	1	2	2	65	.31	.030	10	32	.63	110	.07	3	2.20	.01	.06	1	1
TL L700N 900W	1	39	16	156	.1	24	8	374	3.24	5	5	ND	3	32	1	4	2	64	.27	.028	9	36	.68	122	.06	3	2.66	.01	.09	1	2
TL L700N 875W	1	43	30	244	.2	24	8	410	3.15	3	5	ND	3	34	1	2	2	63	.33	.029	9	38	.72	119	.07	6	2.59	.01	.10	1	1
TL L700N 850W	1	46	19	202	.1	23	7	314	3.31	3	5	ND	4	28	1	2	2	69	.23	.019	9	39	.62	130	.07	2	3.04	.01	.07	1	5
TL L700N 825W	1	43	9	107	.1	23	8	306	3.11	3	5	ND	3	30	1	3	2	62	.27	.024	10	38	.61	135	.07	5	2.72	.01	.08	1	7
TL L700N 800W	1	27	10	92	.3	18	5	268	2.36	2	5	ND	2	29	1	2	2	49	.25	.032	9	30	.51	118	.05	2	2.22	.01	.07	1	9
TL L700N 775W	1	22	11	62	.1	22	6	265	2.08	2	5	ND	2	29	1	2	2	48	.27	.021	9	33	.56	100	.06	4	1.83	.01	.07	1	1
TL L700N 750W	1	95	57	173	.2	43	12	514	4.80	8	5	ND	4	25	1	2	2	87	.21	.032	11	58	1.00	291	.04	2	5.55	.02	.16	1	1
TL L700N 725W	1	28	12	61	.1	22	7	364	3.06	7	5	ND	3	32	1	2	2	65	.29	.020	8	37	.66	121	.09	6	2.24	.01	.07	1	1
TL L700N 700W	1	36	16	89	.1	26	9	374	2.99	2	5	ND	3	43	1	2	2	66	.42	.032	10	40	.72	145	.07	7	2.26	.02	.09	1	1
TL L700N 650W	2	80	16	191	.2	20	10	1137	3.72	6	5	ND	2	49	2	3	2	84	.40	.022	9	35	.76	155	.07	7	2.78	.01	.08	1	4
TL L700N 600W	2	141	28	262	.1	29	11	478	4.74	3	5	ND	3	41	2	2	2	92	.34	.057	10	45	.91	147	.06	4	4.28	.01	.12	1	53
TL L700N 550W	2	104	22	220	.1	26	9	421	4.41	4	5	ND	3	37	2	2	2	91	.30	.055	10	42	.83	135	.07	3	3.69	.01	.10	1	1
TL L700N 500W	5	55	29	187	.3	17	9	551	3.60	3	5	ND	1	32	1	2	2	85	.24	.034	10	34	.60	144	.04	4	2.76	.01	.09	1	1
TL L700N 450W	1	13	2	73	.1	8	4	343	2.45	2	5	ND	1	27	1	2	2	61	.21	.041	9	23	.31	70	.06	2	1.43	.01	.06	1	15
TL L700N 400W	4	109	94	465	.1	32	13	944	3.88	7	5	ND	4	68	1	2	2	66	.58	.049	13	39	1.06	144	.06	7	2.58	.01	.10	1	1
TL L700N 350W	4	74	42	262	.1	30	11	819	3.69	4	5	ND	3	53	2	2	2	74	.54	.053	11	47	.75	150	.04	3	2.68	.01	.09	1	1
TL L700N 300W	3	102	29	185	.2	29	11	672	3.67	6	5	ND	2	42	2	2	2	75	.40	.045	14	44	.66	191	.04	2	3.03	.01	.10	1	3
TL L700N 250W	1	104	19	142	.4	30	10	603	3.64	4	5	ND	3	45	1	2	2	71	.59	.034	18	41	.84	190	.05	3	3.43	.02	.13	1	1
TL L700N 200W	1	115	19	148	.5	28	10	588	3.52	2	5	ND	3	44	1	2	2	69	.59	.032	19	40	.79	174	.05	6	3.25	.01	.12	1	1
TL L700N 150W	1	13	7	87	.1	10	7	369	2.94	2	5	ND	1	33	1	3	2	73	.23	.036	9	29	.29	125	.07	7	1.43	.01	.06	1	4
TL L700N 100W	2	19	9	79	.1	16	7	291	4.62	6	5	ND	3	28	1	2	2	96	.22	.080	10	37	.43	89	.09	3	2.08	.01	.09	1	9
TL L700N 050W	5	34	10	80	.1	13	9	948	2.85	3	5	ND	2	36	2	2	2	66	.33	.034	13	31	.30	235	.05	4	1.37	.01	.08	2	1
TL L700N 000W	2	33	9	68	.1	22	9	387	2.77	5	5	ND	2	49	1	3	2	58	.44	.034	11	30	.54	174	.05	3	2.09	.01	.08	2	1
TL L675N 1200W	1	17	26	165	.2	14	7	400	3.00	7	5	ND	3	25	1	2	2	61	.20	.038	8	27	.47	85	.05	4	1.78	.01	.07	1	1
STD C/AU-S	19	61	41	127	7.3	70	28	1072	4.00	40	17	8	38	53	19	18	20	59	.45	.092	40	58	.84	175	.07	35	1.88	.06	.14	12	50

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPB	
TL L675N 1150W	1	43	60	167	.2	27	14	739	4.53	12	5	ND	3	35	1	2	2	78	.28	.076	11	45	.82	104	.05	3	3.13	.01	.07	1	1
TL L675N 1125W	1	37	31	110	.3	18	6	290	3.45	5	5	ND	3	23	1	2	3	65	.16	.058	11	39	.51	93	.04	5	3.38	.01	.06	1	1
TL L675N 1100W	1	29	24	120	.2	23	10	442	4.09	5	5	ND	3	26	1	2	3	75	.18	.055	11	42	.72	131	.06	6	3.36	.01	.08	1	1
TL L675N 1075W	1	38	27	91	.1	25	9	328	2.92	2	5	ND	3	29	1	2	2	61	.21	.049	9	39	.65	179	.06	2	3.22	.01	.06	2	2
TL L675N 1050W	1	28	28	91	.1	23	9	360	3.13	4	5	ND	3	27	1	2	2	64	.20	.047	10	40	.65	109	.07	5	2.74	.01	.05	1	3
TL L675N 1025W	1	69	12	89	.2	13	6	333	3.06	2	5	ND	2	25	1	4	2	67	.20	.039	10	30	.41	83	.08	4	1.71	.01	.06	1	2
TL L675N 1000W	1	25	11	70	.2	15	5	233	1.90	2	5	ND	2	38	1	2	2	45	.31	.028	14	27	.44	147	.04	2	1.99	.01	.05	1	3
TL L675N 975W	1	13	19	82	.3	18	7	276	2.28	2	5	ND	2	33	1	2	3	54	.31	.019	9	29	.58	102	.07	7	1.86	.01	.06	1	1
TL L675N 950W	1	18	7	93	.2	18	8	397	2.83	2	5	ND	2	32	1	2	2	65	.27	.036	9	37	.66	87	.08	4	1.97	.01	.06	1	3
TL L675N 925W	1	30	23	167	.8	16	6	358	2.55	2	5	ND	3	34	1	2	2	59	.31	.023	10	31	.59	93	.07	6	1.98	.02	.07	1	1
TL L675N 900W	1	19	18	111	.3	19	7	315	2.58	2	5	ND	3	37	1	2	2	62	.31	.023	10	34	.62	107	.08	7	2.09	.02	.07	1	48
TL L675N 875W	1	21	20	83	.4	18	7	345	2.59	2	5	ND	3	34	1	2	2	63	.32	.026	10	33	.61	90	.08	3	1.72	.01	.06	1	1
TL L675N 850W	1	38	37	147	.2	21	7	338	2.90	2	5	ND	3	30	1	2	2	63	.29	.023	9	37	.67	115	.05	2	2.70	.01	.10	1	3
TL L675N 825W	1	30	15	84	.1	19	7	325	2.72	3	5	ND	2	31	1	2	2	61	.31	.025	9	37	.62	93	.07	5	2.01	.01	.07	1	1
TL L675N 800W	1	30	15	96	.1	20	7	354	2.90	2	5	ND	2	29	1	2	3	67	.29	.024	9	38	.68	104	.07	4	2.12	.01	.07	1	1
TL L675N 775W	1	22	5	55	.2	22	6	250	1.96	2	5	ND	2	22	1	2	2	43	.23	.034	9	33	.58	126	.04	3	2.44	.01	.08	2	1
TL L675N 750W	1	23	10	59	.5	17	6	271	2.42	2	5	ND	2	27	1	2	2	55	.23	.017	8	30	.51	122	.07	2	2.22	.01	.05	1	24
TL L675N 725W	1	63	18	101	.2	34	11	430	3.71	7	5	ND	4	29	1	2	2	70	.25	.031	9	48	.89	225	.06	4	3.90	.02	.14	1	3
TL L675N 700W	1	22	18	48	.1	23	8	486	3.28	4	5	ND	2	32	1	2	3	71	.32	.045	9	39	.75	114	.09	2	2.12	.01	.08	1	2
TL L650N 1200W	1	8	31	100	.1	15	7	326	2.53	2	5	ND	1	30	1	2	2	61	.25	.027	8	32	.49	85	.05	5	1.51	.01	.04	1	4
TL L650N 1150W	1	90	38	142	.1	10	7	882	3.16	2	5	ND	3	61	1	2	2	41	.23	.031	16	17	.60	119	.02	4	4.05	.01	.07	1	1
TL L650N 1125W	1	56	88	126	.1	27	9	414	3.62	8	5	ND	4	27	1	2	2	63	.15	.065	13	42	.76	123	.05	6	3.91	.01	.06	2	1
TL L650N 1100W	1	48	23	90	.1	30	11	391	3.34	6	5	ND	2	26	1	2	3	68	.18	.059	9	47	.80	115	.07	3	3.12	.01	.07	1	1
TL L650N 1075W	1	36	19	112	.1	27	10	373	3.29	2	5	ND	3	26	1	2	3	64	.16	.044	10	40	.68	148	.06	5	3.18	.01	.06	1	1
TL L650N 1050W	1	18	21	77	.1	22	9	320	3.10	3	5	ND	2	33	1	2	2	64	.27	.036	9	36	.60	126	.07	5	2.37	.01	.05	1	1
TL L650N 1025W	1	22	18	141	.3	23	9	438	3.26	7	5	ND	3	31	1	3	2	66	.28	.089	10	39	.61	109	.07	2	2.48	.01	.07	1	2
TL L650N 1000W	1	180	45	239	1.0	40	21	1545	5.01	8	5	ND	2	39	1	2	3	86	.35	.100	12	66	1.06	345	.01	2	5.94	.01	.17	2	2
TL L650N 975W	1	14	7	62	.1	17	7	347	2.48	5	5	ND	3	39	1	2	2	60	.30	.020	9	31	.60	90	.08	5	1.72	.01	.05	1	1
TL L650N 950W	1	15	16	93	.2	19	8	315	2.56	2	5	ND	3	35	1	2	2	58	.31	.020	10	33	.64	104	.08	6	2.07	.01	.06	1	2
TL L650N 925W	1	22	12	129	.4	20	8	369	3.15	5	5	ND	3	32	1	2	2	68	.30	.023	9	36	.70	120	.08	5	2.57	.01	.07	1	2
TL L650N 900W	1	18	15	128	.3	14	6	288	2.42	2	5	ND	2	30	1	2	2	58	.26	.022	9	29	.47	100	.08	4	1.92	.01	.05	1	1
TL L650N 875W	1	21	73	92	.1	16	6	315	2.21	2	5	ND	1	35	1	2	2	52	.30	.023	11	30	.52	115	.06	4	1.84	.01	.05	1	1
TL L650N 850W	1	27	23	95	.1	18	7	343	2.70	2	5	ND	3	33	1	2	2	62	.34	.022	9	35	.63	103	.07	4	2.02	.01	.06	1	2
TL L650N 825W	1	29	21	93	.1	19	8	379	2.94	3	5	ND	2	30	1	2	2	63	.30	.019	9	37	.68	102	.08	3	2.03	.01	.06	1	2
TL L650N 800W	1	18	9	74	.1	17	6	300	2.61	2	5	ND	2	28	1	2	2	65	.27	.023	9	34	.60	84	.07	4	1.76	.01	.06	1	1
TL L650N 775W	1	37	18	87	.4	22	7	266	2.55	2	5	ND	1	25	1	2	2	53	.23	.040	9	45	.64	178	.03	7	3.36	.01	.11	1	1
STD C/AU-S	19	61	37	132	7.5	71	29	1088	3.88	40	19	8	40	52	19	17	20	59	.49	.088	40	64	.91	180	.07	36	1.83	.06	.13	14	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	MG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L650N 750W	1	31	11	67	.3	21	8	320	2.91	4	5	ND	4	23	1	2	2	56	.20	.027	8	30	.62	134	.06	6	2.65	.01	.06	2	1
TL L650N 725W	1	27	15	61	.1	18	6	268	2.54	2	5	ND	2	18	1	2	2	54	.18	.021	8	25	.55	116	.05	2	2.20	.01	.05	1	1
TL L650N 700W	1	17	11	51	.1	15	7	325	2.54	2	5	ND	3	20	1	2	2	54	.23	.033	8	25	.55	67	.07	2	1.38	.01	.05	1	2
TL L650N 600W	2	39	15	110	.2	13	8	345	3.23	2	5	ND	2	32	1	2	2	75	.40	.022	8	26	.55	83	.06	2	1.83	.01	.05	1	4
TL L650N 550W	3	66	11	132	.4	17	6	479	2.43	2	5	ND	3	54	1	2	2	54	1.10	.039	8	25	.64	123	.04	2	1.77	.01	.07	1	3
TL L650N 500W	2	96	17	75	.1	23	9	499	2.77	4	5	ND	3	51	1	2	2	56	.62	.017	17	30	.75	129	.07	2	1.89	.02	.06	1	1
TL L650N 450W	1	40	14	61	.1	18	6	348	2.24	2	5	ND	1	42	1	2	2	46	.47	.027	10	22	.68	88	.06	3	1.51	.01	.04	2	3
TL L650N 400W	1	162	35	148	1.6	33	10	691	3.17	3	5	ND	2	93	1	2	2	44	2.26	.081	25	33	.79	316	.01	2	3.20	.01	.12	1	2
TL L650N 350W	2	29	21	114	.1	20	10	676	3.20	3	5	ND	1	30	1	2	2	60	.27	.058	11	30	.63	220	.02	2	2.19	.01	.08	1	2
TL L650N 300W	1	19	12	88	.1	17	8	331	2.86	2	5	ND	2	31	1	2	2	59	.29	.036	9	29	.51	143	.04	2	1.67	.01	.05	2	1
TL L650N 250W	1	9	10	64	.1	11	5	213	2.25	4	5	ND	2	22	1	2	2	52	.20	.023	8	22	.30	108	.06	2	1.22	.01	.06	1	4
TL L650N 200W	1	12	5	64	.1	9	7	593	2.33	2	5	ND	1	59	2	2	2	54	.23	.053	8	22	.33	372	.05	4	1.23	.02	.07	1	1
TL L650N 150W	1	10	15	59	.1	10	5	247	2.44	6	5	ND	2	22	1	2	2	56	.22	.030	7	27	.27	80	.05	2	1.10	.01	.06	1	5
TL L650N 100W	2	18	9	72	.1	12	7	1159	2.24	2	5	ND	2	23	1	3	2	48	.21	.036	12	23	.30	113	.04	2	1.21	.01	.07	1	2
TL L650N 050W	3	11	10	76	.1	10	5	199	2.90	2	5	ND	2	30	1	2	2	78	.30	.035	8	32	.27	157	.06	2	1.02	.01	.06	2	1
TL L650N 000W	2	23	8	61	.1	17	7	336	2.66	2	5	ND	1	37	1	2	2	60	.43	.019	9	27	.57	90	.07	2	1.46	.01	.06	1	1
TL L625N 1200W	1	18	23	177	.1	25	9	423	3.38	13	5	ND	2	22	1	2	2	56	.22	.038	8	32	.71	115	.04	2	2.44	.01	.05	1	3
TL L625N 1175W	1	8	21	121	.1	13	6	361	2.22	2	5	ND	2	18	1	2	2	47	.16	.024	7	20	.41	92	.04	2	1.31	.01	.05	1	1
TL L625N 1150W	1	51	38	127	.2	28	10	436	2.85	5	5	ND	3	22	1	2	2	47	.25	.035	8	32	.75	118	.04	2	2.16	.01	.06	1	1
TL L625N 1125W	1	35	21	91	.1	24	9	404	3.35	6	5	ND	3	21	1	2	3	63	.18	.044	9	35	.75	110	.05	2	2.81	.01	.06	1	2
TL L625N 1100W	1	29	19	139	.1	18	7	381	3.37	4	5	ND	3	18	1	2	2	58	.13	.095	9	31	.55	80	.04	4	2.83	.01	.05	1	1
TL L625N 1075W	10	25	29	75	.1	12	11	887	7.81	21	5	ND	2	21	1	2	2	263	.11	.117	10	30	.38	170	.06	2	3.11	.01	.09	2	1
TL L625N 1050W	1	19	22	62	.1	16	7	288	3.01	4	5	ND	2	22	1	2	2	61	.17	.032	9	30	.54	93	.06	2	2.34	.01	.05	1	1
TL L625N 1025W	1	12	11	90	.1	13	5	314	2.98	3	5	ND	2	18	1	2	2	66	.14	.049	8	28	.43	64	.06	4	2.44	.01	.04	2	1
TL L625N 1000W	1	17	15	189	.1	17	9	752	3.53	4	5	ND	2	27	1	2	2	59	.19	.066	11	29	.49	144	.06	2	2.32	.01	.06	1	1
TL L625N 975W	2	51	28	119	.1	31	19	4178	4.16	5	5	ND	3	34	1	2	2	76	.28	.049	11	72	.79	190	.02	2	2.94	.01	.09	1	1
TL L625N 950W	1	21	15	77	.2	20	7	293	2.71	3	5	ND	4	28	1	2	2	54	.26	.025	9	29	.61	96	.06	2	2.14	.01	.06	1	3
TL L625N 925W	1	18	7	75	.1	19	7	289	2.75	6	5	ND	2	25	1	2	2	55	.24	.023	8	29	.60	113	.05	2	2.12	.01	.05	1	1
TL L625N 900W	1	17	11	113	.2	16	5	271	2.33	2	5	ND	1	26	1	2	2	53	.27	.021	8	26	.54	92	.07	5	1.55	.01	.06	1	1
TL L625N 875W	1	16	9	67	.2	16	6	256	2.43	2	5	ND	2	29	1	2	2	54	.28	.023	9	26	.51	87	.07	3	1.55	.01	.06	1	2
TL L625N 850W	1	26	21	78	.1	19	7	384	2.94	6	5	ND	2	27	1	2	2	76	.25	.021	11	30	.62	95	.08	2	1.85	.01	.05	1	1
TL L625N 825W	1	32	54	108	.1	20	7	331	2.95	2	5	ND	3	27	1	2	2	61	.31	.023	9	33	.65	103	.07	2	2.08	.01	.06	1	1
TL L625N 800W	1	34	16	92	.1	20	8	362	3.25	6	5	ND	2	29	1	2	2	67	.25	.026	9	34	.65	113	.07	3	2.28	.01	.06	1	2
TL L625N 775W	1	23	9	95	.2	19	7	333	2.85	2	5	ND	2	22	1	2	2	58	.21	.021	8	31	.64	87	.06	4	1.85	.01	.06	1	1
TL L625N 750W	1	38	13	57	.1	18	6	250	2.01	2	5	ND	1	22	1	2	6	40	.22	.046	9	31	.57	119	.03	2	2.44	.01	.07	1	1
TL L625N 725W	1	35	10	80	.1	24	9	361	3.56	3	5	ND	2	22	1	2	3	69	.20	.032	8	35	.75	138	.05	2	3.10	.01	.08	1	4
TL L625N 700W	1	20	13	52	.1	15	6	323	2.43	4	5	ND	2	23	1	2	3	53	.23	.023	8	26	.56	72	.07	2	1.39	.01	.04	1	1
STD C/AU-S	20	62	40	131	7.3	68	29	1046	4.07	41	21	8	41	49	19	17	21	60	.49	.095	41	59	.90	180	.07	39	1.91	.06	.15	13	47

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	M6 %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L600N 600W	1	66	16	96	.3	28	9	475	2.88	2	5	ND	4	77	1	2	2	64	.71	.036	12	36	.98	167	.09	5	2.05	.03	.06	1	3
TL L600N 550W	3	161	29	148	.7	37	12	833	3.94	2	5	ND	3	55	2	2	3	72	1.16	.047	20	49	.94	237	.03	2	3.13	.01	.14	1	4
TL L600N 500W	3	97	52	249	.5	33	16	1215	3.79	2	5	ND	3	70	2	2	2	67	.79	.069	15	45	.98	246	.03	2	3.24	.01	.14	1	1
TL L600N 450W	1	16	8	47	.2	19	5	245	2.12	2	5	ND	2	33	1	2	3	49	.28	.021	9	30	.52	97	.07	3	1.44	.01	.06	1	6
TL L600N 400W	1	131	18	117	.6	40	12	665	3.76	2	5	ND	1	95	1	2	2	56	1.29	.091	42	45	1.05	304	.01	3	3.84	.02	.15	1	2
TL L600N 350W	1	159	42	164	.3	49	20	1710	4.82	4	5	ND	4	93	1	2	2	84	1.01	.073	57	62	1.38	385	.02	2	5.28	.02	.16	1	1
TL L600N 300W	1	25	16	93	.3	17	9	1174	2.83	2	5	ND	1	39	1	2	2	60	.29	.047	12	31	.48	180	.04	2	1.88	.01	.06	1	9
TL L600N 250W	1	16	10	88	.4	12	6	329	2.97	2	5	ND	2	37	1	2	2	70	.33	.047	9	26	.33	117	.06	2	1.31	.01	.07	1	1
TL L600N 200W	1	17	14	76	.4	14	6	360	3.06	5	5	ND	2	24	1	3	2	65	.18	.037	8	29	.45	104	.06	3	1.37	.01	.05	1	1
TL L600N 150W	2	18	9	64	.1	17	6	381	2.60	2	5	ND	2	30	1	2	2	60	.27	.023	9	31	.47	116	.06	2	1.31	.01	.05	1	4
TL L600N 100W	3	19	17	91	.1	13	7	578	3.42	2	5	ND	1	26	1	2	2	77	.24	.048	10	34	.34	144	.05	5	1.41	.01	.06	1	2
TL L600N 050W	4	237	49	144	2.2	51	17	2748	4.39	2	5	ND	4	68	4	2	2	79	1.36	.063	16	51	.90	322	.02	2	4.85	.02	.16	1	5
TL L600N 000W	2	52	17	133	.4	26	11	644	3.23	2	5	ND	3	68	1	2	2	64	1.33	.035	11	38	.77	192	.05	3	2.34	.02	.10	1	1
TL L550N 600W	5	298	50	318	1.5	32	11	1064	3.06	4	5	2	4	72	2	2	2	62	1.48	.082	24	43	.98	202	.04	4	2.82	.02	.10	1	15
TL L550N 550W	2	328	62	454	.8	30	16	1401	4.02	9	5	ND	3	83	4	2	2	69	1.49	.085	18	40	1.20	134	.06	3	2.79	.02	.11	1	2
TL L550N 500W	2	196	41	352	.8	25	13	985	3.70	7	5	ND	3	86	2	2	4	70	1.37	.071	13	37	1.13	123	.06	4	2.55	.02	.09	1	1
TL L550N 450W	1	80	29	127	.4	35	10	684	3.59	2	5	ND	3	65	1	2	2	62	.74	.062	17	45	.95	227	.03	3	3.05	.02	.13	1	1
TL L550N 400W	1	16	13	67	.2	12	6	374	2.84	2	5	ND	2	43	1	2	2	69	.36	.044	9	28	.38	141	.08	4	1.25	.01	.07	1	1
TL L550N 350W	1	21	10	70	.1	17	7	327	3.39	2	5	ND	2	40	1	2	2	75	.33	.061	8	35	.48	130	.07	4	1.42	.01	.06	1	6
TL L550N 300W	2	36	16	83	.1	27	10	334	3.72	5	5	ND	2	27	1	2	2	72	.20	.035	9	39	.56	141	.06	3	2.54	.01	.06	1	1
TL L550N 250W	2	16	17	55	.1	10	6	1511	2.69	2	5	ND	1	168	1	2	2	72	.34	.031	9	26	.26	276	.07	2	1.24	.02	.07	1	1
TL L550N 200W	2	21	11	65	.1	17	7	353	2.55	2	5	ND	2	38	1	2	2	59	.43	.023	9	29	.52	123	.06	3	1.50	.01	.06	1	2
TL L550N 150W	1	20	11	106	.1	18	7	348	3.58	7	5	ND	1	30	1	2	2	75	.30	.067	7	36	.46	117	.06	2	1.43	.01	.04	1	1
TL L550N 100W	2	49	17	154	.5	21	10	869	2.75	2	5	ND	3	70	2	2	2	56	1.03	.032	14	30	.74	155	.08	2	1.99	.02	.07	1	4
TL L550N 050W	3	77	18	98	.4	20	9	537	3.04	2	5	ND	1	61	1	3	2	69	1.03	.038	26	34	.47	166	.03	2	2.26	.02	.08	1	1
TL L550N 000W	5	16	13	86	.1	11	4	213	2.86	2	5	ND	1	32	2	2	2	74	.28	.038	8	29	.33	107	.05	2	1.37	.01	.05	1	1
TL L500N 550W	2	126	27	101	1.5	30	10	504	2.46	3	5	ND	2	57	1	2	2	52	1.07	.092	24	47	.73	184	.05	5	2.51	.02	.10	1	14
TL L500N 500W	2	238	62	438	.6	29	15	1324	3.95	11	5	ND	2	79	3	2	2	72	1.44	.072	15	42	1.19	126	.07	5	2.62	.02	.10	1	5
TL L500N 450W	3	303	51	437	.8	28	15	1227	4.10	8	5	ND	2	82	3	3	2	74	1.58	.081	16	41	1.23	122	.06	6	2.75	.02	.11	1	1
TL L500N 400W	1	20	9	51	.1	14	4	260	1.99	2	5	ND	1	27	1	2	2	44	.25	.019	8	25	.46	82	.06	2	1.20	.01	.04	1	2
TL L500N 350W	2	107	21	105	.3	29	11	621	3.34	4	5	ND	2	61	1	3	5	67	.58	.037	19	40	.84	235	.04	2	2.85	.02	.10	1	1
TL L500N 300W	2	14	14	64	.1	12	5	264	2.73	5	5	ND	1	27	1	2	2	71	.22	.043	8	28	.33	112	.07	7	1.16	.01	.06	2	1
TL L500N 250W	1	22	14	70	.1	19	8	289	3.23	5	5	ND	1	24	1	3	3	72	.18	.034	7	35	.45	113	.06	4	1.67	.01	.04	1	1
TL L500N 200W	1	14	15	83	.1	13	6	687	2.78	2	5	ND	1	33	1	2	2	71	.21	.033	8	31	.33	141	.06	4	1.34	.01	.05	1	2
TL L500N 150W	2	20	17	83	.1	18	6	444	2.79	2	5	ND	1	51	1	2	2	61	.67	.032	9	34	.51	136	.07	2	1.39	.01	.05	1	2
TL L500N 100W	6	43	16	150	.1	18	12	2597	2.99	5	5	ND	1	57	2	4	2	57	.89	.048	15	33	.48	168	.04	3	1.61	.02	.05	1	1
STD C/AU-S	20	62	41	132	7.6	72	29	1111	4.09	44	17	8	39	55	19	16	22	61	.48	.095	41	65	.90	181	.07	38	1.81	.06	.15	13	48

SAMPLE#	MO PPM	CU PPM	PB PPM	ZN PPM	AG PPM	NI PPM	CO PPM	MN PPM	FE %	AS PPM	U PPM	AU PPM	TH PPM	SR PPM	CD PPM	SB PPM	BI PPM	V PPM	CA %	P %	LA PPM	CR PPM	HG %	BA PPM	TI %	B PPM	AL %	NA %	K %	W PPM	AU# PPB
TL L500N 050W	3	178	26	140	.5	39	14	971	4.17	10	5	ND	2	80	2	2	2	75	1.36	.060	34	46	.69	244	.03	2	3.73	.02	.10	1	1
TL L500N 000W	1	26	11	130	.2	12	8	528	3.73	4	5	ND	2	38	1	2	2	84	.36	.072	10	31	.37	171	.07	2	1.55	.01	.07	1	1
TL L450N 600W	5	108	57	371	.4	20	13	984	3.96	10	5	ND	3	72	5	2	2	86	1.97	.073	8	35	1.01	98	.07	8	2.03	.02	.08	1	1
TL L450N 550W	5	339	86	623	1.1	32	18	1454	4.89	18	5	ND	4	72	4	2	2	89	1.66	.087	15	43	1.38	127	.08	6	2.78	.01	.12	1	1
TL L450N 500W	4	119	83	527	.3	34	14	782	4.67	18	5	ND	2	39	2	2	2	81	.65	.026	9	46	1.08	105	.07	4	2.90	.01	.07	1	2
TL L450N 450W	1	23	12	50	.1	18	7	243	3.09	3	5	ND	3	29	1	2	2	68	.35	.019	7	32	.46	88	.09	2	1.22	.01	.04	1	3
TL L450N 400W	5	204	98	469	1.0	27	18	1579	4.65	17	5	ND	4	77	2	2	2	91	1.36	.082	12	41	1.46	125	.09	4	2.55	.02	.09	1	5
TL L450N 350W	4	186	51	374	.8	27	15	1177	4.01	11	5	ND	2	69	3	2	3	74	1.31	.068	13	37	1.02	145	.06	5	2.39	.01	.09	1	1
TL L450N 300W	4	207	39	249	1.1	35	15	1485	4.12	8	5	ND	2	81	3	2	2	72	1.94	.082	18	42	.81	298	.03	2	3.28	.02	.11	1	2
TL L450N 250W	1	32	2	128	.1	18	8	467	3.75	5	5	ND	1	30	1	2	2	74	.24	.039	9	32	.50	162	.06	5	2.08	.01	.05	1	1
TL L450N 200W	2	26	12	105	.3	14	7	645	3.69	5	5	ND	1	31	1	2	3	81	.20	.043	9	30	.36	155	.06	2	1.87	.01	.07	1	1
TL L450N 150W	1	25	9	196	.1	19	12	1758	3.55	4	5	ND	2	74	2	2	3	59	.33	.062	12	30	.44	263	.04	4	2.12	.01	.09	1	1
TL L450N 100W	1	18	18	100	.1	16	9	621	3.43	4	5	ND	2	30	1	2	3	69	.26	.059	10	33	.38	184	.08	4	1.36	.01	.09	1	1
TL L450N 050W	1	48	17	146	.1	16	8	661	3.22	5	5	ND	2	71	1	2	2	74	1.34	.044	8	32	.47	152	.06	4	1.45	.01	.08	1	1
TL L450N 000W	1	18	8	115	.1	14	6	510	3.19	3	5	ND	1	37	1	3	2	82	.29	.029	9	32	.38	143	.07	3	1.53	.01	.06	1	2
TL L400N 550W	4	77	56	312	.8	18	14	1227	5.28	15	5	ND	3	64	3	2	2	123	.78	.074	8	38	1.17	85	.10	2	2.55	.02	.10	1	1
TL L400N 500W	1	17	12	81	.1	15	7	317	2.85	3	5	ND	1	32	1	2	2	61	.27	.039	9	30	.47	128	.07	3	1.69	.01	.06	1	1
TL L400N 450W	4	352	104	538	1.3	30	21	1528	4.72	18	5	ND	2	79	3	2	3	95	2.15	.096	16	48	1.32	121	.07	4	2.70	.02	.11	1	1
TL L400N 400W	4	622	76	492	1.2	28	18	1436	4.50	18	7	ND	1	75	3	2	3	91	1.97	.079	17	43	1.31	100	.09	7	2.49	.02	.09	1	1
TL L400N 350W	6	221	123	424	.3	29	21	1729	5.12	23	5	ND	2	74	4	2	5	89	1.04	.109	14	43	1.46	109	.08	2	2.95	.01	.13	1	2
TL L400N 300W	3	416	91	602	.2	34	17	1615	5.00	19	5	ND	4	73	4	2	3	89	.97	.097	20	45	1.50	129	.10	4	2.87	.02	.11	1	9
TL L400N 250W	2	338	65	460	.5	30	15	1364	4.41	9	5	ND	2	81	3	2	2	87	1.35	.081	15	36	1.22	109	.09	8	2.76	.02	.11	3	1
TL L400N 200W	2	123	31	227	.1	20	10	781	3.46	7	5	ND	1	44	1	2	2	72	.60	.052	12	31	.65	126	.07	2	1.78	.01	.07	1	1
TL L400N 150W	3	15	10	129	.1	11	6	362	3.76	2	5	ND	1	24	1	2	2	83	.26	.043	10	27	.25	110	.09	4	1.24	.01	.08	1	1
TL L400N 100W	2	23	5	91	.1	17	7	265	3.11	5	5	ND	3	29	1	3	3	73	.24	.019	8	31	.43	118	.07	2	1.54	.01	.06	1	2
TL L400N 050W	1	49	6	92	.1	20	6	228	2.76	4	5	ND	1	35	1	2	2	60	.84	.023	8	33	.41	93	.06	7	1.74	.01	.08	1	1
TL L400N 000W	2	207	23	218	.5	31	11	625	3.69	4	5	ND	3	46	3	2	2	59	1.29	.044	18	45	.64	151	.04	2	2.62	.01	.10	1	1
TL L350N 550W	8	287	81	573	1.0	29	18	1407	4.93	16	5	ND	3	76	2	2	4	87	1.22	.088	14	43	1.57	116	.10	5	2.72	.02	.12	1	1
TL L350N 500W	5	225	103	594	1.0	35	22	1811	5.47	20	5	ND	4	65	5	2	2	98	1.04	.074	14	48	1.51	131	.10	6	3.09	.01	.12	1	2
TL L350N 450W	3	122	69	544	1.2	24	15	866	4.44	13	5	ND	3	58	2	2	2	86	.81	.055	10	38	1.09	132	.07	4	2.83	.01	.08	1	1
TL L350N 400W	4	281	84	519	1.1	31	19	1427	4.62	13	5	ND	4	60	8	2	7	85	.90	.069	17	42	1.35	125	.08	2	3.23	.01	.11	1	1
TL L350N 350W	3	255	72	569	1.0	32	17	1366	4.61	14	5	ND	1	84	4	2	5	87	1.20	.091	16	41	1.31	145	.08	7	3.00	.02	.11	1	1
TL L350N 300W	2	239	63	455	.8	28	14	1152	4.09	13	5	ND	3	80	3	2	4	80	1.20	.077	13	40	1.22	106	.08	4	2.64	.01	.11	1	1
TL L350N 250W	3	223	91	423	.1	29	18	1392	4.80	14	5	ND	2	68	5	2	6	96	.78	.082	14	41	1.23	120	.08	2	2.66	.01	.10	1	1
TL L350N 200W	3	184	58	414	.5	26	16	1213	4.42	8	5	ND	4	74	3	2	2	91	1.04	.070	12	36	1.20	104	.08	4	2.61	.01	.10	1	1
TL L350N 150W	1	409	20	269	.2	27	9	430	3.57	4	5	ND	3	60	4	2	2	76	1.77	.022	18	44	.67	140	.04	5	2.85	.01	.09	1	1
STD C/AU-S	19	62	38	131	7.4	73	29	1033	4.16	40	20	8	39	54	19	18	23	60	.46	.092	40	59	.87	179	.07	36	1.85	.06	.15	12	48

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CR	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
TL L350N 100W	1	27	15	99	.1	21	7	251	2.86	2	5	ND	2	27	1	2	2	67	.32	.012	6	29	.51	94	.06	2	1.78	.01	.03	1	1
TL L350N 050W	1	15	9	62	.1	16	6	290	3.20	5	5	ND	2	23	1	2	2	88	.17	.020	9	31	.38	118	.06	2	1.52	.01	.05	1	1
TL L350N 000W	1	70	7	.77	.1	21	11	546	3.52	2	5	ND	3	29	1	2	4	74	.32	.015	8	28	.79	148	.07	2	2.52	.01	.06	1	1
TL L300N 550W	1	86	16	112	.1	29	9	532	3.15	3	5	ND	2	51	1	2	2	65	.87	.056	12	47	.76	108	.07	2	1.64	.02	.07	1	2
TL L300N 500W	3	55	46	250	.2	23	14	827	4.71	10	5	ND	2	33	1	3	2	91	.32	.035	10	41	.84	139	.07	2	2.71	.01	.06	1	1
TL L300N 450W	1	27	10	124	.2	14	7	264	2.99	2	5	ND	1	31	1	2	2	73	.38	.021	8	30	.29	133	.05	4	1.43	.01	.05	1	2
TL L300N 400W	2	129	64	539	.2	31	15	885	5.14	16	5	ND	2	26	3	2	2	106	.27	.052	8	46	1.25	108	.06	2	3.25	.01	.07	1	1
TL L300N 350W	2	291	91	537	.1	30	18	1700	4.63	15	5	ND	2	54	5	2	2	88	.65	.065	17	40	1.44	112	.07	2	3.24	.01	.07	1	1
TL L300N 300W	2	125	82	321	.3	25	13	942	4.19	10	5	ND	2	62	2	2	2	93	.88	.068	10	37	1.26	91	.08	2	2.55	.02	.07	1	1
TL L300N 250W	1	104	78	299	.1	26	14	1008	4.99	11	5	ND	3	67	1	2	2	110	.88	.086	10	41	1.22	84	.09	5	2.80	.02	.10	3	1
TL L300N 200W	1	81	42	240	.4	17	11	837	3.64	8	5	ND	2	67	1	2	3	85	1.01	.064	6	30	.93	90	.07	5	1.97	.02	.09	1	1
TL L300N 150W	2	288	105	530	.4	35	20	2188	4.95	21	5	ND	2	63	6	2	2	97	.90	.090	15	45	1.59	116	.10	7	2.94	.02	.08	1	2
TL L300N 100W	2	119	80	325	.3	25	17	1153	4.69	13	5	ND	2	61	1	2	2	100	.80	.062	9	42	1.34	97	.09	7	2.62	.02	.09	1	1
TL L300N 050W	1	16	10	81	.1	17	7	273	3.45	2	5	ND	1	21	1	2	2	76	.15	.035	9	31	.43	122	.05	2	1.86	.01	.04	1	1
TL L300N 000W	1	19	8	94	.1	19	9	455	3.54	3	5	ND	2	22	1	3	2	77	.21	.044	9	37	.46	129	.07	4	1.71	.01	.07	1	1
TL L250N 550W	1	57	14	123	.2	30	10	424	2.98	2	5	ND	4	76	1	2	2	76	.80	.050	13	46	1.13	197	.09	5	2.43	.02	.07	1	3
TL L250N 550W A	4	194	78	467	.5	28	20	1800	4.11	9	5	ND	2	84	3	2	2	78	1.30	.068	17	35	1.23	183	.05	2	3.12	.02	.06	1	1
TL L250N 500W	2	56	51	397	.5	25	15	931	5.45	8	5	ND	2	37	1	2	2	103	.32	.061	9	43	1.02	204	.07	2	3.30	.02	.09	1	1
TL L250N 450W	1	25	13	108	.1	18	8	364	3.53	6	5	ND	2	16	1	2	2	65	.14	.068	9	36	.44	101	.05	2	2.62	.01	.04	1	1
TL L250N 400W	2	290	99	498	.4	30	15	1341	4.30	14	5	ND	3	65	5	2	3	84	.91	.070	17	39	1.43	106	.08	3	3.29	.02	.08	1	8
TL L250N 350W	2	199	108	527	1.1	29	18	1720	4.46	15	5	ND	2	79	3	2	2	84	1.20	.091	13	40	1.43	131	.07	5	3.32	.02	.11	1	1
TL L250N 300W	2	169	111	461	.1	25	21	1571	4.63	17	5	ND	1	65	3	2	2	100	1.05	.069	11	42	1.44	125	.08	7	2.92	.01	.07	1	2
TL L250N 250W	2	240	84	619	.6	30	17	2062	4.26	15	5	ND	2	64	8	2	3	81	1.07	.075	13	40	1.18	147	.07	2	2.57	.02	.09	1	21
TL L250N 200W	1	35	40	345	.1	18	12	1010	4.39	3	5	ND	1	34	3	2	2	104	.50	.083	7	43	.89	120	.09	5	1.97	.02	.08	1	1
TL L250N 150W	1	173	61	327	.2	28	14	1145	3.89	12	5	ND	3	71	2	2	2	71	.88	.086	11	41	1.13	100	.06	5	2.72	.01	.10	1	1
TL L250N 100W	1	62	66	340	.1	19	9	602	4.21	10	5	ND	3	28	3	2	2	96	.36	.054	8	37	.80	81	.06	3	1.92	.01	.07	1	1
TL L250N 050W	1	12	16	83	.1	11	7	439	2.94	2	5	ND	1	29	1	2	2	72	.25	.032	8	28	.33	174	.05	2	1.36	.01	.06	1	1
TL L250N 000W	1	20	11	53	.1	19	7	386	3.50	5	5	ND	1	22	1	3	2	77	.17	.043	7	33	.42	109	.05	2	1.88	.01	.05	1	14
TL L200N 550W	1	133	19	103	.1	22	10	558	2.81	2	9	ND	2	93	1	2	2	52	1.44	.057	13	28	.81	128	.05	2	2.62	.01	.08	1	1
TL L200N 500W	3	141	75	397	.7	26	15	1305	4.19	13	5	ND	2	55	1	2	2	83	.83	.056	11	41	1.19	167	.06	6	2.87	.01	.07	1	1
TL L200N 475W	2	165	110	586	.4	32	20	1962	4.77	13	5	ND	4	58	6	2	2	86	.72	.086	13	46	1.53	169	.08	7	3.31	.01	.10	1	1
TL L200N 400W	1	23	14	180	.1	19	8	489	4.22	4	5	ND	3	24	1	2	2	76	.27	.096	11	35	.47	144	.06	3	1.93	.01	.06	1	2
TL L200N 350W	2	434	99	685	1.6	46	17	1735	4.49	10	5	ND	3	39	5	2	2	84	1.18	.041	23	48	1.18	161	.04	2	3.64	.01	.07	1	4
TL L200N 300W	2	34	27	205	.5	16	8	453	3.88	4	5	ND	2	25	1	2	2	95	.37	.033	7	35	.52	115	.07	2	1.72	.01	.05	3	1
TL L200N 250W	1	38	29	256	.1	14	7	572	3.38	5	5	ND	2	33	2	3	2	88	.42	.042	7	35	.65	101	.07	3	1.59	.01	.05	1	1
TL L200N 200W	2	91	104	462	.1	23	15	1182	4.98	15	5	ND	2	36	5	2	2	102	.52	.125	9	42	1.05	119	.06	4	2.32	.01	.09	1	1
STD C/AU-S	18	61	37	133	7.5	73	29	1033	4.08	39	21	8	41	50	19	18	21	60	.49	.092	40	60	.90	182	.07	38	1.92	.06	.14	14	49

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	PPM	PPB	
TL L200N 150W	2	69	92	372	.5	18	15	2082	4.67	12	5	ND	2	38	9	2	2	111	.52	.086	9	40	.99	187	.10	2	2.25	.01	.08	1	1
TL L200N 100W	1	12	14	98	.1	9	5	321	2.52	2	5	ND	1	33	2	2	2	71	.32	.041	10	29	.30	130	.06	4	1.48	.01	.07	1	1
TL L200N 050W	1	15	11	61	.1	12	6	296	3.10	4	5	ND	2	22	1	3	2	79	.19	.028	9	32	.36	98	.08	2	1.51	.01	.05	1	1
TL L200N 000W	1	18	18	84	.1	12	6	337	3.14	2	5	ND	1	25	1	2	2	78	.24	.035	11	32	.34	143	.06	6	1.53	.01	.08	1	5
TL L150N 500W	9	501	81	452	1.1	37	15	2574	3.93	14	5	ND	1	64	4	2	2	85	1.80	.077	19	44	1.06	185	.05	3	2.79	.02	.09	1	4
TL L150N 450W	3	33	20	138	.3	14	6	355	2.90	3	5	ND	1	31	1	2	2	72	.32	.038	7	31	.44	161	.04	5	1.91	.01	.07	1	1
TL L150N 400W	2	68	49	279	.6	24	10	733	3.26	7	5	ND	1	39	2	2	2	74	.47	.032	10	37	.89	118	.08	5	2.28	.01	.05	1	1
TL L150N 350W	1	53	14	146	.1	26	11	598	3.67	4	5	ND	3	34	1	2	2	90	.32	.022	10	40	.62	143	.06	2	2.39	.01	.06	1	1
TL L150N 300W	3	201	97	643	1.6	32	17	1078	4.70	19	5	ND	3	38	3	2	3	91	.44	.058	11	50	1.23	120	.07	6	3.33	.01	.07	1	1
TL L150N 250W	1	17	13	146	.2	14	8	397	3.67	3	5	ND	3	21	1	2	2	68	.23	.082	10	32	.39	91	.06	4	1.93	.01	.06	2	1
TL L150N 200W	2	79	75	465	.2	19	13	1615	4.03	10	5	ND	2	31	5	2	2	84	.41	.084	11	39	.95	124	.08	3	2.18	.01	.09	1	1
TL L150N 150W	3	128	61	542	.7	31	11	815	4.03	9	5	ND	2	46	3	2	2	80	.50	.085	10	44	1.12	117	.07	7	3.19	.01	.07	1	2
TL L150N 100W	1	14	13	93	.1	12	6	387	2.71	3	5	ND	1	25	1	3	2	57	.24	.043	12	25	.35	127	.07	3	1.52	.01	.06	1	1
TL L150N 050W	1	25	22	103	.3	21	9	380	3.82	5	5	ND	2	32	1	2	2	83	.34	.046	11	38	.63	112	.07	13	2.45	.01	.07	1	1
TL L150N 000W	1	13	13	87	.1	11	8	594	2.57	2	5	ND	1	22	1	2	2	62	.22	.046	10	25	.36	116	.07	2	1.34	.01	.07	1	1
TL L100N 450W	1	21	21	77	.1	16	9	522	3.79	6	5	ND	1	37	1	4	2	86	.27	.058	10	35	.53	202	.06	5	2.27	.01	.06	1	5
TL L100N 400W	1	16	18	129	.1	16	8	442	4.30	3	5	ND	2	23	1	2	2	86	.22	.115	10	40	.49	102	.08	6	2.20	.01	.05	1	1
TL L100N 350W	1	19	9	141	.7	15	8	535	4.22	3	5	ND	1	25	1	3	2	80	.24	.137	10	34	.46	142	.07	5	2.25	.01	.06	1	1
TL L100N 300W	1	28	21	106	.3	26	9	560	3.63	3	5	ND	2	31	1	2	2	68	.32	.083	9	37	.61	141	.06	7	2.88	.01	.06	1	1
TL L100N 250W	1	12	18	138	.2	10	5	450	2.72	2	5	ND	1	26	1	2	2	66	.26	.079	8	28	.29	115	.06	2	1.38	.01	.05	1	1
TL L100N 200W	1	8	10	59	.1	11	4	235	1.77	2	5	ND	1	24	1	3	2	45	.26	.016	9	22	.41	75	.08	3	1.29	.01	.04	1	1
TL L100N 150W	1	16	9	104	.2	13	6	422	3.39	3	5	ND	2	21	1	2	2	76	.14	.048	11	29	.36	131	.06	3	1.93	.01	.04	1	1
TL L100N 100W	1	21	11	69	.1	21	7	339	3.89	7	5	ND	2	24	1	3	2	87	.23	.078	8	36	.53	119	.07	4	2.05	.01	.04	1	1
TL L100N 050W	2	17	10	83	.3	12	6	367	3.01	3	5	ND	1	28	1	4	2	68	.28	.037	12	29	.32	154	.05	2	1.52	.01	.05	1	1
TL L100N 000W	2	18	8	69	.1	19	8	355	3.39	6	5	ND	2	35	1	2	2	75	.35	.037	9	31	.48	179	.07	5	1.87	.01	.06	1	2
TL L50N 450W	4	72	25	111	.1	29	13	1303	3.33	5	5	ND	2	66	1	2	2	69	1.08	.086	14	38	.81	267	.04	6	3.32	.02	.11	1	1
TL L50N 400W	3	37	19	131	.5	21	8	377	2.98	5	5	ND	3	44	1	4	2	72	.61	.023	14	41	.63	124	.08	5	2.19	.02	.07	1	1
TL L50N 350W	1	67	16	80	.1	31	12	714	2.97	4	5	ND	2	52	1	2	2	55	.51	.041	14	41	.75	174	.09	3	1.89	.02	.09	1	1
TL L50N 300W	1	19	15	80	.1	16	6	572	2.90	3	5	ND	2	37	1	2	2	69	.32	.060	7	29	.42	199	.06	5	1.32	.01	.05	1	1
TL L50N 250W	1	115	20	95	.4	28	12	1445	2.62	5	5	ND	1	97	1	2	2	44	2.73	.060	15	33	.65	281	.02	7	2.58	.02	.11	1	1
TL L50N 200W	2	71	14	82	.1	22	11	551	3.03	3	5	ND	2	74	1	2	2	61	1.01	.058	14	29	.96	135	.09	5	2.35	.02	.09	1	1
TL L50N 150W	1	17	6	88	.1	18	8	296	3.40	2	5	ND	2	23	1	2	2	77	.17	.027	10	31	.42	122	.07	2	1.94	.01	.05	1	1
TL L50N 100W	2	93	11	79	.3	22	11	646	3.95	7	5	ND	3	58	1	3	2	110	.87	.053	17	39	1.07	123	.10	3	2.35	.02	.08	1	2
TL L50N 050W	2	57	5	85	.2	17	10	566	3.75	8	5	ND	1	47	1	2	2	102	.42	.044	10	31	.85	149	.07	8	2.14	.01	.08	1	1
TL L50N 000W	2	18	6	148	.1	13	9	2897	2.84	2	5	ND	1	52	1	2	2	68	.79	.049	9	25	.27	366	.06	5	1.17	.01	.07	1	1
TL L00N 450W	1	39	22	72	.1	21	9	533	2.46	2	5	ND	2	48	1	2	2	50	.55	.039	13	31	.61	125	.10	2	1.30	.02	.04	1	1
STD C/AU-S	19	61	40	129	7.5	68	29	1105	3.87	41	19	7	40	49	19	17	20	59	.48	.091	41	58	.90	178	.07	37	1.93	.06	.15	12	50

SAMPLE#	MO PPH	CU PPH	PB PPH	ZN PPH	AG PPH	NI PPH	CO PPH	MN PPH	FE %	AS PPH	U PPH	AU PPH	TH PPH	SR PPH	CD PPH	SB PPH	BI PPH	V PPH	CA %	P %	LA PPH	CR PPH	MG %	BA PPH	TI %	B PPH	AL %	NA %	K %	W PPH	AUR PPB
TL L00N 400W	1	13	13	122	.1	12	6	617	3.57	2	5	ND	2	22	1	2	2	67	.22	.072	9	25	.38	138	.07	2	1.54	.03	.05	1	1
TL L00N 350W	5	59	12	79	.2	21	10	819	3.43	8	5	ND	3	64	1	4	2	69	.86	.049	12	31	.81	135	.08	2	1.95	.05	.06	1	3
TL L00N 300W	1	14	8	69	.3	15	6	275	2.47	2	5	ND	2	28	1	2	2	47	.22	.022	9	26	.45	143	.07	5	1.67	.03	.05	1	1
TL L00N 250W	1	15	14	57	.1	12	4	209	2.09	2	5	ND	1	26	1	2	2	48	.23	.026	8	23	.39	120	.05	2	1.66	.03	.05	1	1
TL L00N 200W	1	23	11	55	.1	18	6	262	3.00	2	5	ND	2	24	1	2	2	60	.25	.028	7	30	.56	103	.07	2	2.03	.03	.05	1	4
TL L00N 150W	1	15	11	61	.1	17	6	228	2.94	3	5	ND	2	20	1	2	2	62	.20	.026	7	30	.45	82	.08	6	1.58	.02	.04	1	15
TL L00N 100W	1	17	5	124	.1	17	5	521	3.56	4	5	ND	1	23	1	2	2	61	.29	.043	6	31	.43	81	.06	2	1.65	.02	.04	1	42
TL L00N 050W	1	39	8	68	.1	17	8	380	3.43	3	5	ND	3	55	1	2	2	78	.64	.047	8	28	.71	85	.08	2	1.64	.04	.05	1	3
TL L00N 000W	1	34	12	69	.4	11	8	1746	3.26	3	5	ND	2	33	2	2	2	88	.25	.029	8	28	.40	130	.05	4	1.35	.03	.07	1	2
TLA L1200N 875W	1	25	10	54	.2	17	5	235	1.45	2	5	ND	1	43	1	2	3	40	.43	.018	9	34	.57	132	.09	2	1.50	.03	.04	1	3
TLA L1200N 850W	1	25	13	55	.4	16	5	207	1.39	2	5	ND	1	39	1	2	2	45	.41	.016	9	36	.53	141	.07	2	1.64	.03	.03	1	4
TLA L1100N 750W	5	119	18	86	.8	22	9	631	2.80	4	5	ND	3	50	1	2	2	58	1.09	.058	16	28	.61	149	.05	5	2.00	.04	.07	1	1
TLA L1050N 750W	1	50	12	80	.5	28	8	289	2.93	2	5	ND	2	35	1	2	2	46	.45	.071	11	41	.75	237	.02	2	3.67	.04	.12	1	2
TLA L950N 875W	5	117	47	331	.7	24	9	1855	3.10	3	5	ND	2	65	3	2	2	49	1.38	.066	12	30	.81	186	.04	6	2.36	.04	.07	1	4
TLA L750N 1175W	3	114	38	218	.6	42	14	891	4.82	10	5	ND	3	111	1	2	2	78	1.11	.069	17	55	1.08	427	.01	2	4.72	.05	.13	3	11
TLA L700N 1175W	3	92	38	235	1.1	32	11	1074	2.86	5	6	ND	3	55	4	2	2	55	.87	.054	15	41	.77	363	.04	2	2.20	.05	.09	1	1
TLA L675N 1175W	3	94	40	194	.5	32	11	549	3.22	6	5	ND	3	51	1	2	2	55	.75	.049	15	39	.87	268	.04	6	2.25	.04	.06	2	1
STD C/AU-S	19	58	38	132	6.9	67	27	1036	4.09	37	19	7	39	50	18	17	21	57	.49	.086	38	60	.86	179	.08	34	1.84	.08	.13	13	48

Appendix B.1
Raw Geophysical Data - Magnetometer Readings



MAGNETOMETER SURVEY Thutade Lake Project
TOTAL FIELD SURVEY

Date : September/October, 1987
NTS : 94E/2W
Instrument: EDA Omni IV proton precession magnetometer (field)
 Total field strength read
 EDA PPM-375 proton precession magnetometer (base)
 Total field strength read
 Basestation sampling interval : 20 sec.
 Datum Plane : 0.0

Baseline: 0.0E
Baseline Azimuth: 0 Degrees
Number of Lines: 82

Line: 600.0S Number of Stations: 18

STATION	READING
425.0W	58348.0
400.0W	58534.0
375.0W	58858.0
350.0W	58651.0
325.0W	58682.0
300.0W	58429.0
275.0W	58658.0
250.0W	58327.0
225.0W	58176.0
200.0W	58135.0
175.0W	58387.0
150.0W	58481.0
125.0W	58530.0
100.0W	58642.0
75.0W	58611.0
50.0W	58665.0
25.0W	58110.0
0.0W	58638.0

Line: 575.0S Number of Stations: 18

STATION	READING
425.0W	58259.0
400.0W	58515.0
375.0W	58632.0
350.0W	58671.0
325.0W	58627.0
300.0W	58540.0
275.0W	58574.0
250.0W	58350.0

225.0W	58197.0
200.0W	58115.0
175.0W	58371.0
150.0W	58885.0
125.0W	58919.0
100.0W	58891.0
75.0W	58757.0
50.0W	58648.0
25.0W	58359.0
0.0E	58571.0

Line: 550.0S

Number of Stations: 17

STATION	READING
400.0W	58157.0
375.0W	58358.0
350.0W	58684.0
325.0W	58739.0
300.0W	58579.0
275.0W	58483.0
250.0W	58337.0
225.0W	58218.0
200.0W	58077.0
175.0W	58397.0
150.0W	59098.0
125.0W	58721.0
100.0W	58767.0
75.0W	58682.0
50.0W	58738.0
25.0W	58629.0
0.0W	58281.0

Line: 525.0S

Number of Stations: 17

STATION	READING
400.0W	58157.0
375.0W	58363.0
350.0W	58662.0
325.0W	58613.0
300.0W	58458.0
275.0W	58488.0
250.0W	58329.0
225.0W	58229.0
200.0W	58088.0
175.0W	58606.0
150.0W	59141.0
125.0W	59074.0
100.0W	58725.0
75.0W	58523.0

50.0W	58560.0
25.0W	58509.0
0.0E	58034.0

Line: 500.0S Number of Stations: 17

STATION	READING
400.0W	58179.0
375.0W	58326.0
350.0W	58462.0
325.0W	58513.0
300.0W	58543.0
275.0W	58382.0
250.0W	58341.0
225.0W	58184.0
200.0W	58366.0
175.0W	58596.0
150.0W	58743.0
125.0W	58685.0
100.0W	58541.0
75.0W	58544.0
50.0W	58909.0
25.0W	58785.0
0.0W	58786.0

Line: 475.0S Number of Stations: 17

STATION	READING
400.0W	58150.0
375.0W	58328.0
350.0W	58345.0
325.0W	58362.0
300.0W	58327.0
275.0W	58287.0
250.0W	58383.0
225.0W	58350.0
200.0W	58336.0
175.0W	58232.0
150.0W	58400.0
125.0W	58386.0
100.0W	58506.0
75.0W	59002.0
50.0W	58906.0
25.0W	58859.0
0.0E	58871.0

Line: 450.0S Number of Stations: 17

STATION	READING
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250.0W	58627.0
225.0W	58994.0
200.0W	59640.0
175.0W	59102.0
150.0W	59281.0
125.0W	59077.0
100.0W	59002.0
75.0W	58703.0
50.0W	58397.0
25.0W	58560.0
0.0E	58570.0

Line: 375.0S

Number of Stations: 17

STATION	READING
400.0W	58194.0
375.0W	58318.0
350.0W	58470.0
325.0W	58401.0
300.0W	58455.0
275.0W	58600.0
250.0W	58729.0
225.0W	59226.0
200.0W	59444.0
175.0W	59121.0
150.0W	59349.0
125.0W	59475.0
100.0W	59262.0
75.0W	58461.0
50.0W	58488.0
25.0W	58566.0
0.0W	58576.0

Line: 350.0S

Number of Stations: 18

STATION	READING
425.0W	58412.0
400.0W	58563.0
375.0W	58554.0
350.0W	58401.0
325.0W	58423.0
300.0W	58623.0
275.0W	58868.0
250.0W	59034.0
225.0W	59093.0
200.0W	58968.0
175.0W	59243.0
150.0W	59333.0
125.0W	59565.0

100.0W	59082.0
75.0W	58392.0
50.0W	58367.0
25.0W	58462.0
0.0E	58452.0

Line: 325.0S

Number of Stations: 18

STATION	READING
425.0W	58373.0
400.0W	58559.0
375.0W	58694.0
350.0W	58551.0
325.0W	58500.0
300.0W	58793.0
275.0W	58871.0
250.0W	58873.0
225.0W	58968.0
200.0W	59033.0
175.0W	59093.0
150.0W	59263.0
125.0W	59127.0
100.0W	58848.0
75.0W	58495.0
50.0W	58423.0
25.0W	58518.0
0.0W	58142.0

Line: 300.0S

Number of Stations: 18

STATION	READING
425.0W	58367.0
400.0W	58645.0
375.0W	58640.0
350.0W	58431.0
325.0W	58525.0
300.0W	58938.0
275.0W	58844.0
250.0W	58810.0
225.0W	58975.0
200.0W	58870.0
175.0W	59139.0
150.0W	58819.0
125.0W	58641.0
100.0W	58635.0
75.0W	58330.0
50.0W	58595.0
25.0W	58715.0
0.0E	58475.0

Line: 275.0S

Number of Stations: 18

STATION	READING
425.0W	58498.2
400.0W	58622.7
375.0W	58495.9
350.0W	58283.6
325.0W	58244.2
300.0W	58731.6
275.0W	58751.5
250.0W	58877.3
225.0W	58868.3
200.0W	59001.0
175.0W	58974.2
150.0W	58726.4
125.0W	58713.2
100.0W	58596.2
75.0W	58031.1
50.0W	58620.5
25.0W	58497.4
0.0W	58353.8

Line: 250.0S

Number of Stations: 18

STATION	READING
425.0W	58610.7
400.0W	58637.9
375.0W	58452.3
350.0W	58194.2
325.0W	58230.2
300.0W	58251.6
275.0W	58579.4
250.0W	58822.4
225.0W	58842.3
200.0W	58884.2
175.0W	58844.8
150.0W	58599.0
125.0W	58455.9
100.0W	58470.3
75.0W	58315.9
50.0W	58335.4
25.0W	58137.7
0.0E	57795.4

Line: 225.0S

Number of Stations: 18

STATION	READING
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425.0W	58354.6
400.0W	58579.9
375.0W	58615.7
350.0W	58592.2
325.0W	58902.1
300.0W	58585.0
275.0W	58518.3
250.0W	58729.3
225.0W	58570.3
200.0W	58650.6
175.0W	58738.9
150.0W	58263.1
125.0W	58155.8
100.0W	58040.5
75.0W	57879.4
50.0W	57763.6
25.0W	57708.8
0.0W	57569.4

Line: 200.0S

Number of Stations: 18

STATION	READING
425.0W	58110.8
400.0W	58530.2
375.0W	58615.4
350.0W	58597.2
325.0W	58791.8
300.0W	58554.5
275.0W	58396.2
250.0W	58592.5
225.0W	58632.8
200.0W	58317.7
175.0W	58214.4
150.0W	58098.7
125.0W	58075.9
100.0W	57749.2
75.0W	57664.7
50.0W	57770.1
25.0W	57636.1
0.0W	57728.8

Line: 175.0S

Number of Stations: 19

STATION	READING
450.0W	58622.6
425.0W	58367.2
400.0W	58328.5
375.0W	58343.5
350.0W	58155.7

325.0W	58545.5
300.0W	58596.0
275.0W	58163.8
250.0W	58320.3
225.0W	58367.2
200.0W	58309.2
175.0W	57983.8
150.0W	57969.9
125.0W	58103.5
100.0W	57797.0
75.0W	57582.6
50.0W	57726.0
25.0W	57707.5
0.0E	57739.2

Line: 150.0S

Number of Stations: 19

STATION	READING
450.0W	58701.6
425.0W	58437.5
400.0W	58042.3
375.0W	57988.0
350.0W	58084.3
325.0W	58456.0
300.0W	58485.9
275.0W	58392.6
250.0W	58070.4
225.0W	58064.6
200.0W	58021.8
175.0W	57961.1
150.0W	57902.3
125.0W	58053.5
100.0W	57750.7
75.0W	57721.3
50.0W	57743.2
25.0W	57884.1
0.0W	57807.3

Line: 125.0S

Number of Stations: 19

STATION	READING
450.0W	58722.8
425.0W	58824.3
400.0W	58259.6
375.0W	57964.2
350.0W	58071.0
325.0W	58125.8
300.0W	58326.9
275.0W	58143.3

250.0W	57752.0
225.0W	58004.3
200.0W	58122.6
175.0W	58129.8
150.0W	58185.4
125.0W	58120.8
100.0W	57845.3
75.0W	57668.2
50.0W	57711.9
25.0W	57804.5
0.0E	58010.9

Line: 100.0S

Number of Stations: 20

STATION	TIME	CORRECTED READING
475.0W	0:00:00	59015.4
450.0W	0:00:00	58673.6
425.0W	0:00:00	58345.0
400.0W	0:00:00	58245.2
375.0W	0:00:00	58192.7
350.0W	0:00:00	58190.9
325.0W	0:00:00	58050.5
300.0W	0:00:00	58242.0
275.0W	0:00:00	58207.7
250.0W	0:00:00	57925.1
225.0W	0:00:00	57818.3
200.0W	0:00:00	58030.8
175.0W	0:00:00	58013.0
150.0W	0:00:00	58283.6
125.0W	0:00:00	58229.3
100.0W	0:00:00	57631.6
75.0W	0:00:00	57747.3
50.0W	0:00:00	nil
25.0W	0:00:00	nil
0.0W	0:00:00	nil

Line: 75.0S

Number of Stations: 19

STATION	READING
450.0W	58743.2
425.0W	58947.6
400.0W	58561.3
375.0W	58669.8
350.0W	58457.8
325.0W	58256.4
300.0W	58426.7
275.0W	58074.2
250.0W	57795.8
225.0W	58054.6

200.0W	58042.9
175.0W	58171.4
150.0W	58113.5
125.0W	57976.9
100.0W	57695.4
75.0W	57609.8
50.0W	57679.5
25.0W	57871.8
0.0E	58050.0

Line: 50.0S Number of Stations: 18

STATION	READING
425.0W	58773.5
400.0W	58569.4
375.0W	58671.3
350.0W	58459.6
325.0W	58260.1
300.0W	58391.5
275.0W	58161.3
250.0W	57703.1
225.0W	58067.2
200.0W	58171.2
175.0W	57994.0
150.0W	57908.5
125.0W	57688.3
100.0W	57558.4
75.0W	57609.5
50.0W	57801.0
25.0W	57816.0
0.0W	57903.6

Line: 25.0S Number of Stations: 19

STATION	READING
450.0W	58532.6
425.0W	58496.4
400.0W	58640.0
375.0W	58781.1
350.0W	58568.0
325.0W	58459.7
300.0W	58591.6
275.0W	58404.7
250.0W	58019.7
225.0W	57810.5
200.0W	57914.8
175.0W	57851.1
150.0W	57825.2
125.0W	57668.4

100.0W	57523.7
75.0W	57461.3
50.0W	57415.7
25.0W	57682.6
0.0E	57845.5

Line: 0.0N

Number of Stations: 19

STATION	READING
450.0W	58560.0
425.0W	58604.0
400.0W	58743.0
375.0W	58821.0
350.0W	58597.0
325.0W	58509.0
300.0W	58471.0
275.0W	58299.0
250.0W	57931.0
225.0W	57709.0
200.0W	57644.0
175.0W	57637.0
150.0W	57638.0
125.0W	57461.0
100.0W	57456.0
75.0W	57575.0
50.0W	57648.0
25.0W	57763.0
0.0E	57943.0

Line: 25.0N

Number of Stations: 20

STATION	READING
475.0W	58545.0
450.0W	58574.0
425.0W	58715.0
400.0W	58699.0
375.0W	58603.0
350.0W	58606.0
325.0W	58391.0
300.0W	58282.0
275.0W	58069.0
250.0W	57896.0
225.0W	57620.0
200.0W	57424.0
175.0W	57529.0
150.0W	57580.0
125.0W	57571.0
100.0W	57727.0
75.0W	57742.0

50.0W	57755.0
25.0W	57813.0
0.0E	57888.0

Line: 50.0N Number of Stations: 21

STATION	READING
500.0W	58386.0
475.0W	58758.0
450.0W	58893.0
425.0W	58883.0
400.0W	58815.0
375.0W	58753.0
350.0W	58553.0
325.0W	58253.0
300.0W	58133.0
275.0W	57980.0
250.0W	57891.0
225.0W	57721.0
200.0W	57571.0
175.0W	57531.0
150.0W	57788.0
125.0W	57947.0
100.0W	58060.0
75.0W	57962.0
50.0W	57854.0
25.0W	57980.0
0.0W	57865.0

Line: 75.0N Number of Stations: 20

STATION	READING
500.0W	58416.0
475.0W	58739.0
450.0W	58808.0
425.0W	59008.0
400.0W	58878.0
375.0W	58611.0
350.0W	58360.0
325.0W	58287.0
300.0W	58057.0
275.0W	58097.0
250.0W	58051.0
225.0W	57981.0
200.0W	57678.0
175.0W	57830.0
150.0W	58041.0
125.0W	57945.0
100.0W	57898.0

75.0W	58080.0
50.0W	57844.0
0.0W	57725.0

Line: 100.0N Number of Stations: 21

STATION	READING
500.0W	58425.0
475.0W	58587.0
450.0W	58690.0
425.0W	58884.0
400.0W	58912.0
375.0W	58420.0
350.0W	58373.0
325.0W	58203.0
300.0W	58307.0
275.0W	58377.0
250.0W	58293.0
225.0W	58163.0
200.0W	57874.0
175.0W	57643.0
150.0W	57639.0
125.0W	57616.0
100.0W	57399.0
75.0W	57657.0
50.0W	58114.0
25.0W	57858.0
0.0E	57914.0

Line: 125.0N Number of Stations: 21

STATION	READING
500.0W	58313.0
475.0W	58405.0
450.0W	58637.0
425.0W	58781.0
400.0W	58872.0
375.0W	58585.0
350.0W	58379.0
325.0W	58282.0
300.0W	58396.0
275.0W	58439.0
250.0W	58301.0
225.0W	58166.0
200.0W	58000.0
175.0W	57642.0
150.0W	57412.0
125.0W	57325.0
100.0W	57232.0

75.0W	57156.0
50.0W	58348.0
25.0W	57964.0
0.0E	57804.0

Line: 150.0N

Number of Stations: 22

STATION	READING
525.0W	58089.0
500.0W	58253.0
475.0W	58338.0
450.0W	58498.0
425.0W	58725.0
400.0W	58660.0
375.0W	58477.0
350.0W	58229.0
325.0W	58287.0
300.0W	58540.0
275.0W	58458.0
250.0W	58408.0
225.0W	58136.0
200.0W	57999.0
175.0W	57585.0
150.0W	57327.0
125.0W	57495.0
100.0W	57228.0
75.0W	57089.0
50.0W	57912.0
25.0W	57885.0
0.0W	57909.0

Line: 175.0N

Number of Stations: 23

STATION	READING
550.0W	58015.0
525.0W	58131.0
500.0W	58189.0
475.0W	58298.0
450.0W	58377.0
425.0W	58585.0
400.0W	58408.0
375.0W	58260.0
350.0W	58258.0
325.0W	58242.0
300.0W	58412.0
275.0W	58620.0
250.0W	58552.0
225.0W	58035.0
200.0W	58140.0

175.0W	57990.0
150.0W	57726.0
125.0W	57798.0
100.0W	57144.0
75.0W	57174.0
50.0W	57277.0
25.0W	57639.0
0.0W	57792.0

Line: 200.0N

Number of Stations: 23

STATION	READING
550.0W	58196.0
525.0W	58144.0
500.0W	58198.0
475.0W	58266.0
450.0W	58493.0
425.0W	58307.0
400.0W	58247.0
375.0W	58248.0
350.0W	58258.0
325.0W	58468.0
300.0W	58648.0
275.0W	nil
250.0W	nil
225.0W	nil
200.0W	nil
175.0W	nil
150.0W	nil
125.0W	58011.0
100.0W	57405.0
75.0W	57512.0
50.0W	58529.0
25.0W	58475.0
0.0E	57936.0

Line: 225.0N

Number of Stations: 23

STATION	READING
550.0W	58283.0
525.0W	58165.0
500.0W	58193.0
475.0W	58203.0
450.0W	58301.0
425.0W	58428.0
400.0W	58348.0
375.0W	58271.0
350.0W	58268.0
325.0W	58306.0

300.0W	58555.0
275.0W	58579.0
250.0W	58218.0
225.0W	58010.0
200.0W	57852.0
175.0W	57960.0
150.0W	58085.0
125.0W	58160.0
100.0W	58084.0
75.0W	58281.0
50.0W	58538.0
25.0W	58492.0
0.0E	58473.0

Line: 250.0N

Number of Stations: 23

STATION	READING
550.0W	58357.0
525.0W	58267.0
500.0W	58116.0
475.0W	58103.0
450.0W	58184.0
425.0W	58253.0
400.0W	58289.0
375.0W	58337.0
350.0W	58281.0
325.0W	58371.0
300.0W	58316.0
275.0W	58383.0
250.0W	58501.0
225.0W	58486.0
200.0W	58107.0
175.0W	57923.0
150.0W	58098.0
125.0W	58188.0
100.0W	58180.0
75.0W	58152.0
50.0W	58091.0
25.0W	58603.0
0.0W	58567.0

Line: 275.0N

Number of Stations: 23

STATION	READING
550.0W	58342.0
525.0W	58215.0
500.0W	58122.0
475.0W	58067.0
450.0W	58072.0

425.0W	58148.0
400.0W	58204.0
375.0W	58284.0
350.0W	58352.0
325.0W	58447.0
300.0W	58373.0
275.0W	58288.0
250.0W	58643.0
225.0W	58234.0
200.0W	57987.0
175.0W	58081.0
150.0W	58125.0
125.0W	58265.0
100.0W	58247.0
75.0W	58013.0
50.0W	58123.0
25.0W	58417.0
0.0W	58602.0

Line: 300.0N

Number of Stations: 23

STATION	READING
550.0W	58150.0
525.0W	58174.0
500.0W	58176.0
475.0W	58174.0
450.0W	58101.0
425.0W	58018.0
400.0W	57964.0
375.0W	58063.0
350.0W	58084.0
325.0W	58375.0
300.0W	58435.0
275.0W	58554.0
250.0W	58698.0
225.0W	58560.0
200.0W	58270.0
175.0W	58282.0
150.0W	58292.0
125.0W	58503.0
100.0W	58294.0
75.0W	57861.0
50.0W	58401.0
25.0W	58542.0
0.0E	58562.0

Line: 325.0N

Number of Stations: 23

STATION	READING
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550.0W	58031.0
525.0W	58034.0
500.0W	57960.0
475.0W	57947.0
450.0W	58012.0
425.0W	58076.0
400.0W	58114.0
375.0W	58223.0
350.0W	58388.0
325.0W	58644.0
300.0W	58618.0
275.0W	58513.0
250.0W	58708.0
225.0W	58454.0
200.0W	58299.0
175.0W	58156.0
150.0W	58355.0
125.0W	58624.0
100.0W	58938.0
75.0W	58090.0
50.0W	57633.0
25.0W	58424.0
0.0E	58573.0

Line: 350.0N

Number of Stations: 23

STATION	READING
550.0W	58044.0
525.0W	61774.0
500.0W	59881.0
475.0W	57833.0
450.0W	57927.0
425.0W	58051.0
400.0W	58089.0
375.0W	58200.0
350.0W	58424.0
325.0W	62370.0
300.0W	62901.0
275.0W	61430.0
250.0W	58593.0
225.0W	58375.0
200.0W	58221.0
175.0W	58066.0
150.0W	57986.0
125.0W	58578.0
100.0W	58785.0
75.0W	58247.0
50.0W	58395.0
25.0W	58517.0
0.0W	58767.0

Line: 375.0N

Number of Stations: 23

STATION	READING
550.0W	58275.0
525.0W	58114.0
500.0W	57802.0
475.0W	57927.0
450.0W	57908.0
425.0W	57923.0
400.0W	57955.0
375.0W	58081.0
350.0W	58268.0
325.0W	58326.0
300.0W	58272.0
275.0W	58249.0
250.0W	58404.0
225.0W	58535.0
200.0W	58375.0
175.0W	58326.0
150.0W	58230.0
125.0W	58335.0
100.0W	58541.0
75.0W	58500.0
50.0W	58379.0
25.0W	58591.0
0.0W	58678.0

Line: 400.0N

Number of Stations: 24

STATION	READING
575.0W	58459.0
550.0W	58501.0
525.0W	58286.0
500.0W	57993.0
475.0W	57920.0
450.0W	58035.0
425.0W	57471.0
400.0W	58164.0
375.0W	58182.0
350.0W	57949.0
325.0W	58095.0
300.0W	58531.0
275.0W	58121.0
250.0W	58467.0
225.0W	58574.0
200.0W	58331.0
175.0W	58483.0
150.0W	58173.0

125.0W	58281.0
100.0W	58317.0
75.0W	58584.0
50.0W	58834.0
25.0W	58548.0
0.0E	58601.0

Line: 425.0N

Number of Stations: 24

STATION	READING
575.0W	58465.0
550.0W	58545.0
525.0W	58394.0
500.0W	58085.0
475.0W	57993.0
450.0W	57927.0
425.0W	57990.0
400.0W	57907.0
375.0W	57934.0
350.0W	57932.0
325.0W	58043.0
300.0W	58037.0
275.0W	58237.0
250.0W	58403.0
225.0W	58388.0
200.0W	58352.0
175.0W	58501.0
150.0W	58424.0
125.0W	58303.0
100.0W	58567.0
75.0W	58733.0
50.0W	58425.0
25.0W	58360.0
0.0E	58468.0

Line: 450.0N

Number of Stations: 25

STATION	READING
600.0W	58358.0
575.0W	58488.0
550.0W	58587.0
525.0W	58418.0
500.0W	58275.0
475.0W	58079.0
450.0W	58065.0
425.0W	58008.0
400.0W	57909.0
375.0W	57900.0
350.0W	57779.0

325.0W	57777.0
300.0W	57773.0
275.0W	57824.0
250.0W	58424.0
225.0W	58333.0
200.0W	58518.0
175.0W	58416.0
150.0W	58104.0
125.0W	58559.0
100.0W	60728.0
75.0W	58738.0
50.0W	58537.0
25.0W	58601.0
0.0W	58518.0

Line: 475.0N

Number of Stations: 25

STATION	READING
600.0W	58281.0
575.0W	58430.0
550.0W	58599.0
525.0W	58327.0
500.0W	58192.0
475.0W	58219.0
450.0W	58194.0
425.0W	58043.0
400.0W	57910.0
375.0W	58019.0
350.0W	58007.0
325.0W	57929.0
300.0W	57789.0
275.0W	57905.0
250.0W	58071.0
225.0W	58091.0
200.0W	58342.0
175.0W	58323.0
150.0W	58769.0
125.0W	58997.0
100.0W	58860.0
75.0W	58776.0
50.0W	58704.0
25.0W	58653.0
0.0W	58683.0

Line: 525.0N

Number of Stations: 25

STATION	READING
600.0W	58546.0
575.0W	58524.0

550.0W	58469.0
525.0W	58331.0
500.0W	58400.0
475.0W	58510.0
450.0W	58551.0
425.0W	58357.0
400.0W	58179.0
375.0W	58221.0
350.0W	58157.0
325.0W	58037.0
300.0W	58074.0
275.0W	58334.0
250.0W	58423.0
225.0W	58552.0
200.0W	58693.0
175.0W	58672.0
150.0W	58704.0
125.0W	58767.0
100.0W	58807.0
75.0W	58895.0
50.0W	58785.0
25.0W	58572.0
0.0E	58597.0

Line: 550.0N

Number of Stations: 25

STATION	READING
600.0W	58983.0
575.0W	58811.0
550.0W	58467.0
525.0W	58576.0
500.0W	58874.0
475.0W	58785.0
450.0W	58616.0
425.0W	58174.0
400.0W	58207.0
375.0W	58137.0
350.0W	58040.0
325.0W	58075.0
300.0W	58431.0
275.0W	58660.0
250.0W	58819.0
225.0W	59061.0
200.0W	59217.0
175.0W	59239.0
150.0W	58936.0
125.0W	58688.0
100.0W	58681.0
75.0W	58799.0
50.0W	58522.0

25.0W 58732.0
0.0E 58584.0

Line: 575.0N Number of Stations: 24

STATION	READING
575.0W	58902.0
550.0W	58598.0
525.0W	58576.0
500.0W	58592.0
475.0W	58710.0
450.0W	58663.0
425.0W	58666.0
400.0W	58122.0
375.0W	58050.0
350.0W	58110.0
325.0W	58052.0
300.0W	58181.0
275.0W	58321.0
250.0W	58439.0
225.0W	58722.0
200.0W	59127.0
175.0W	59253.0
150.0W	58941.0
125.0W	59055.0
100.0W	58945.0
75.0W	nil
50.0W	58870.0
25.0W	58694.0
0.0W	58595.0

Line: 600.0N Number of Stations: 24

STATION	READING
575.0W	58634.0
550.0W	58550.0
525.0W	58612.0
500.0W	58491.0
475.0W	58654.0
450.0W	58648.0
425.0W	58542.0
400.0W	58066.0
375.0W	57974.0
350.0W	58045.0
325.0W	58177.0
300.0W	58480.0
275.0W	58036.0
250.0W	58199.0
225.0W	58461.0

200.0W	58863.0
175.0W	59099.0
150.0W	59011.0
125.0W	59117.0
100.0W	59080.0
75.0W	58987.0
50.0W	58727.0
25.0W	58636.0
0.0E	58690.0

Line: 625.0N

Number of Stations: 49

STATION	READING
1200.0W	59188.0
1175.0W	59391.0
1150.0W	59152.0
1125.0W	59435.0
1100.0W	60274.0
1075.0W	60751.0
1050.0W	60393.0
1025.0W	60968.0
1000.0W	60913.0
975.0W	60535.0
950.0W	60314.0
925.0W	60219.0
900.0W	60190.0
875.0W	60183.0
850.0W	60122.0
825.0W	60213.0
800.0W	60108.0
775.0W	59812.0
750.0W	59491.0
725.0W	59809.0
700.0W	59711.0
675.0W	nil
650.0W	nil
625.0W	58449.0
600.0W	58610.0
575.0W	58665.0
550.0W	58536.0
525.0W	58375.0
500.0W	58301.0
475.0W	58420.0
450.0W	58540.0
425.0W	58475.0
400.0W	58174.0
375.0W	57925.0
350.0W	58102.0
325.0W	58242.0
300.0W	58310.0

275.0W	58293.0
250.0W	58131.0
225.0W	58258.0
200.0W	58584.0
175.0W	59107.0
150.0W	59001.0
125.0W	59098.0
100.0W	59330.0
75.0W	58959.0
50.0W	58888.0
25.0W	58815.0
0.0W	58730.0

Line: 650.0N

Number of Stations: 49

STATION	READING
1200.0W	59122.0
1175.0W	59405.0
1150.0W	59235.0
1125.0W	60007.0
1100.0W	60303.0
1075.0W	60334.0
1050.0W	60679.0
1025.0W	60420.0
1000.0W	59821.0
975.0W	60358.0
950.0W	60238.0
925.0W	60138.0
900.0W	60239.0
875.0W	60268.0
850.0W	60189.0
825.0W	59887.0
800.0W	59999.0
775.0W	59607.0
750.0W	59792.0
725.0W	60059.0
700.0W	60003.0
675.0W	nil
650.0W	nil
625.0W	58436.0
600.0W	58532.0
575.0W	58534.0
550.0W	58384.0
525.0W	58316.0
500.0W	58297.0
475.0W	58363.0
450.0W	58426.0
425.0W	58316.0
400.0W	58186.0
375.0W	58073.0

350.0W	58088.0
325.0W	58191.0
300.0W	58250.0
275.0W	58299.0
250.0W	58211.0
225.0W	58110.0
200.0W	58355.0
175.0W	58354.0
150.0W	59205.0
125.0W	59600.0
100.0W	59173.0
75.0W	59185.0
50.0W	58995.0
25.0W	59401.0
0.0E	60012.0

Line: 675.0N

Number of Stations: 49

STATION	READING
1200.0W	59381.0
1175.0W	59117.0
1150.0W	59057.0
1125.0W	59903.0
1100.0W	60028.0
1075.0W	60543.0
1050.0W	60612.0
1025.0W	60171.0
1000.0W	60038.0
975.0W	60724.0
950.0W	60601.0
925.0W	60265.0
900.0W	60325.0
875.0W	60370.0
850.0W	60178.0
825.0W	60125.0
800.0W	59851.0
775.0W	59662.0
750.0W	59821.0
725.0W	59869.0
700.0W	59821.0
675.0W	nil
650.0W	nil
625.0W	58387.0
600.0W	58508.0
575.0W	58514.0
550.0W	58374.0
525.0W	58377.0
500.0W	58322.0
475.0W	58291.0
450.0W	58327.0

425.0W	58288.0
400.0W	58227.0
375.0W	58191.0
350.0W	58057.0
325.0W	58250.0
300.0W	58386.0
275.0W	58284.0
250.0W	58538.0
225.0W	58116.0
200.0W	58243.0
175.0W	59132.0
150.0W	59563.0
125.0W	59451.0
100.0W	59598.0
75.0W	59335.0
50.0W	59142.0
25.0W	59849.0
0.0W	59160.0

Line: 700.0N

Number of Stations: 50

STATION	READING
1200.0W	59063.0
1175.0W	59030.0
1150.0W	59016.0
1125.0W	59513.0
1100.0W	59970.0
1075.0W	60534.0
1050.0W	60895.0
1025.0W	60654.0
1000.0W	61510.0
975.0W	60881.0
950.0W	60347.0
925.0W	60313.0
900.0W	60305.0
875.0W	59949.0
850.0W	60027.0
825.0W	59927.0
800.0W	59570.0
775.0W	59699.0
750.0W	59902.0
725.0W	59922.0
700.0W	59624.0
675.0W	nil
650.0W	58302.0
625.0W	58408.0
600.0W	58516.0
575.0W	58468.0
550.0W	58382.0
525.0W	58329.0

500.0W	58329.0
475.0W	58400.0
450.0W	58414.0
425.0W	58355.0
400.0W	58192.0
375.0W	58069.0
350.0W	58018.0
325.0W	58093.0
300.0W	58497.0
275.0W	58872.0
250.0W	58299.0
225.0W	58312.0
200.0W	58819.0
175.0W	59178.0
150.0W	59234.0
125.0W	59326.0
100.0W	59269.0
75.0W	59211.0
50.0W	59213.0
25.0W	59077.0
0.0E	59940.0
25.0E	59494.0

Line: 725.0N

Number of Stations: 49

STATION	READING
1200.0W	59096.0
1175.0W	59079.0
1150.0W	58990.0
1125.0W	59281.0
1100.0W	60887.0
1075.0W	60564.0
1050.0W	60920.0
1025.0W	60529.0
1000.0W	62012.0
975.0W	61333.0
950.0W	60520.0
925.0W	60316.0
900.0W	60228.0
875.0W	60102.0
850.0W	59977.0
825.0W	59950.0
800.0W	59902.0
775.0W	59522.0
750.0W	59609.0
725.0W	59786.0
700.0W	59718.0
675.0W	58323.0
650.0W	58424.0
625.0W	58452.0

600.0W	58450.0
575.0W	58498.0
550.0W	58426.0
525.0W	58376.0
500.0W	58289.0
475.0W	58468.0
450.0W	58583.0
425.0W	58582.0
400.0W	58463.0
375.0W	58284.0
350.0W	58204.0
325.0W	58120.0
300.0W	59161.0
275.0W	59197.0
250.0W	58927.0
225.0W	58778.0
200.0W	58693.0
175.0W	58737.0
150.0W	58826.0
125.0W	59177.0
100.0W	59232.0
75.0W	59346.0
50.0W	59236.0
25.0W	59176.0
0.0W	59586.0

Line: 750.0N

Number of Stations: 49

STATION	READING
1200.0W	58867.0
1175.0W	58793.0
1150.0W	59264.0
1125.0W	59782.0
1100.0W	60474.0
1075.0W	60800.0
1050.0W	60371.0
1025.0W	61490.0
1000.0W	61380.0
975.0W	60949.0
950.0W	60235.0
925.0W	60045.0
900.0W	59832.0
875.0W	60025.0
850.0W	60055.0
825.0W	60115.0
800.0W	59811.0
775.0W	59449.0
750.0W	59637.0
725.0W	59828.0
700.0W	59593.0

675.0W	nil
650.0W	58438.0
625.0W	58599.0
600.0W	59621.0
575.0W	58548.0
550.0W	58457.0
525.0W	58310.0
500.0W	58264.0
475.0W	58416.0
450.0W	58640.0
425.0W	58915.0
400.0W	58922.0
375.0W	58837.0
350.0W	58614.0
325.0W	58321.0
300.0W	58388.0
275.0W	59360.0
250.0W	59136.0
225.0W	58789.0
200.0W	58815.0
175.0W	58946.0
150.0W	59247.0
125.0W	59144.0
100.0W	59116.0
75.0W	58274.0
50.0W	59273.0
25.0W	59245.0
0.0E	59520.0

Line: 775.0N

Number of Stations: 49

STATION	READING
1200.0W	58979.0
1175.0W	59110.0
1150.0W	59328.0
1125.0W	59649.0
1100.0W	59891.0
1075.0W	60331.0
1050.0W	60306.0
1025.0W	59859.0
1000.0W	60063.0
975.0W	59894.0
950.0W	59817.0
925.0W	59536.0
900.0W	59680.0
875.0W	60162.0
850.0W	59765.0
825.0W	59901.0
800.0W	59245.0
775.0W	59505.0

750.0W	59670.0
725.0W	59724.0
700.0W	59585.0
675.0W	58322.0
650.0W	58571.0
625.0W	58647.0
600.0W	58585.0
575.0W	58487.0
550.0W	58419.0
525.0W	58262.0
500.0W	58262.0
475.0W	58388.0
450.0W	58565.0
425.0W	58964.0
400.0W	59067.0
375.0W	59102.0
350.0W	59047.0
325.0W	59496.0
300.0W	58966.0
275.0W	59467.0
250.0W	59019.0
225.0W	59101.0
200.0W	59048.0
175.0W	59067.0
150.0W	59293.0
125.0W	59202.0
100.0W	59167.0
75.0W	58814.0
50.0W	59048.0
25.0W	59996.0
0.0W	59611.0

Line: 800.0N

Number of Stations: 50

STATION	READING
1200.0W	59002.0
1175.0W	59150.0
1150.0W	59214.0
1125.0W	59382.0
1100.0W	59523.0
1075.0W	59657.0
1050.0W	59591.0
1025.0W	59518.0
1000.0W	59528.0
975.0W	59588.0
950.0W	59542.0
925.0W	59424.0
900.0W	59832.0
875.0W	59978.0
850.0W	59866.0

825.0W	59610.0
800.0W	59447.0
775.0W	59615.0
750.0W	59944.0
725.0W	59736.0
700.0W	59697.0
675.0W	58407.0
650.0W	58452.0
625.0W	58534.0
600.0W	58435.0
575.0W	58389.0
550.0W	58257.0
525.0W	58242.0
500.0W	58319.0
475.0W	58549.0
450.0W	58771.0
425.0W	58782.0
400.0W	58786.0
375.0W	59014.0
350.0W	58818.0
325.0W	59260.0
300.0W	59068.0
275.0W	59305.0
250.0W	59118.0
225.0W	58866.0
200.0W	59246.0
175.0W	59105.0
150.0W	59190.0
125.0W	59260.0
100.0W	58928.0
75.0W	58924.0
50.0W	59160.0
25.0W	59363.0
0.0E	59475.0
25.0E	59452.0

Line: 825.0N

Number of Stations: 49

STATION	READING
1200.0W	58933.0
1175.0W	59039.0
1150.0W	59181.0
1125.0W	59229.0
1100.0W	59211.0
1075.0W	59384.0
1050.0W	59448.0
1025.0W	59659.0
1000.0W	59539.0
975.0W	59457.0
950.0W	59405.0

925.0W	59551.0
900.0W	59963.0
875.0W	59927.0
850.0W	59660.0
825.0W	59439.0
800.0W	59601.0
775.0W	59929.0
750.0W	59888.0
725.0W	59827.0
700.0W	58220.0
675.0W	58520.0
650.0W	58512.0
625.0W	58577.0
600.0W	58355.0
575.0W	58235.0
550.0W	58180.0
525.0W	58284.0
500.0W	58398.0
475.0W	58620.0
450.0W	58869.0
425.0W	58799.0
400.0W	58720.0
375.0W	58673.0
350.0W	58833.0
325.0W	58660.0
300.0W	59020.0
275.0W	59391.0
250.0W	60445.0
225.0W	59310.0
200.0W	59179.0
175.0W	59215.0
150.0W	59269.0
125.0W	59010.0
100.0W	58954.0
75.0W	59025.0
50.0W	58293.0
25.0W	59336.0
0.0W	59690.0

Line: 850.0N

Number of Stations: 49

STATION	READING
1200.0W	58862.0
1175.0W	59061.0
1150.0W	59083.0
1125.0W	59267.0
1100.0W	59381.0
1075.0W	59309.0
1050.0W	59840.0
1025.0W	59502.0

1000.0W	59354.0
975.0W	59503.0
950.0W	59666.0
925.0W	59899.0
900.0W	59991.0
875.0W	59867.0
850.0W	59634.0
825.0W	59729.0
800.0W	59749.0
775.0W	59981.0
750.0W	59891.0
725.0W	59828.0
700.0W	58567.0
675.0W	58697.0
650.0W	58683.0
625.0W	58528.0
600.0W	58259.0
575.0W	58131.0
550.0W	58250.0
525.0W	58458.0
500.0W	58663.0
475.0W	58586.0
450.0W	58679.0
425.0W	58625.0
400.0W	58722.0
375.0W	58644.0
350.0W	58717.0
325.0W	58447.0
300.0W	58678.0
275.0W	58575.0
250.0W	58772.0
225.0W	58890.0
200.0W	58994.0
175.0W	59148.0
150.0W	59337.0
125.0W	59003.0
100.0W	59049.0
75.0W	59290.0
50.0W	59376.0
25.0W	59173.0
0.0E	59655.0

Line: 875.0N

Number of Stations: 49

STATION	READING
1200.0W	58844.0
1175.0W	58971.0
1150.0W	58936.0
1125.0W	59185.0
1100.0W	59322.0

1075.0W	59384.0
1050.0W	59698.0
1025.0W	59235.0
1000.0W	59339.0
975.0W	59851.0
950.0W	60124.0
925.0W	60164.0
900.0W	60072.0
875.0W	59967.0
850.0W	59681.0
825.0W	59759.0
800.0W	60024.0
775.0W	60144.0
750.0W	59927.0
725.0W	58223.0
700.0W	58512.0
675.0W	58445.0
650.0W	58649.0
625.0W	58807.0
600.0W	58081.0
575.0W	58157.0
550.0W	58294.0
525.0W	58570.0
500.0W	58705.0
475.0W	58699.0
450.0W	58853.0
425.0W	58658.0
400.0W	58492.0
375.0W	58531.0
350.0W	58520.0
325.0W	58508.0
300.0W	58451.0
275.0W	58343.0
250.0W	58704.0
225.0W	58813.0
200.0W	58819.0
175.0W	58764.0
150.0W	58622.0
125.0W	58568.0
100.0W	58662.0
75.0W	59236.0
50.0W	59476.0
25.0W	59488.0
0.0W	59723.0

Line: 900.0N

Number of Stations: 44

STATION	READING
1050.0W	59753.0
1025.0W	59383.0

1000.0W	59451.0
975.0W	60068.0
950.0W	60129.0
925.0W	60120.0
900.0W	60260.0
875.0W	59966.0
850.0W	59762.0
825.0W	59304.0
800.0W	60300.0
775.0W	59934.0
750.0W	59447.0
725.0W	58019.0
700.0W	58436.0
675.0W	58652.0
650.0W	58776.0
625.0W	58127.0
600.0W	57992.0
575.0W	58180.0
550.0W	58350.0
525.0W	58418.0
500.0W	58613.0
475.0W	58781.0
450.0W	58701.0
425.0W	58637.0
400.0W	58385.0
375.0W	58475.0
350.0W	58261.0
325.0W	58315.0
300.0W	58010.0
275.0W	57729.0
250.0W	57656.0
225.0W	57842.0
200.0W	58086.0
175.0W	58716.0
150.0W	58876.0
125.0W	58658.0
100.0W	58320.0
75.0W	58363.0
50.0W	58463.0
25.0W	58711.0
0.0E	59295.0
25.0E	59311.0

Line: 925.0N

Number of Stations: 41

STATION	READING
1000.0W	59699.0
975.0W	59943.0
950.0W	59949.0
925.0W	59458.0

900.0W	59798.0
875.0W	60101.0
850.0W	58740.0
825.0W	59058.0
800.0W	58799.0
775.0W	59905.0
750.0W	nil
725.0W	58099.0
700.0W	58531.0
675.0W	58761.0
650.0W	58735.0
625.0W	57914.0
600.0W	57949.0
575.0W	58152.0
550.0W	58328.0
525.0W	58301.0
500.0W	58383.0
475.0W	58699.0
450.0W	58659.0
425.0W	58732.0
400.0W	58505.0
375.0W	58468.0
350.0W	58294.0
325.0W	58191.0
300.0W	58082.0
275.0W	58455.0
250.0W	58600.0
225.0W	58811.0
200.0W	58887.0
175.0W	58887.0
150.0W	58943.0
125.0W	58895.0
100.0W	59094.0
75.0W	58541.0
50.0W	58539.0
25.0W	59104.0
0.0W	59222.0

Line: 950.0N

Number of Stations: 42

STATION	READING
1000.0W	60110.0
975.0W	60064.0
950.0W	59919.0
925.0W	59529.0
900.0W	59262.0
875.0W	58964.0
850.0W	58735.0
825.0W	60393.0
800.0W	59909.0

775.0W	59089.0
750.0W	57887.0
725.0W	58458.0
700.0W	58525.0
675.0W	58560.0
650.0W	58067.0
625.0W	57940.0
600.0W	58121.0
575.0W	58186.0
550.0W	58080.0
525.0W	58061.0
500.0W	58174.0
475.0W	58485.0
450.0W	58674.0
425.0W	58580.0
400.0W	58447.0
375.0W	58267.0
350.0W	58292.0
325.0W	57952.0
300.0W	58778.0
275.0W	58818.0
250.0W	58811.0
225.0W	58916.0
200.0W	58921.0
175.0W	59007.0
150.0W	58985.0
125.0W	58887.0
100.0W	59043.0
75.0W	58747.0
50.0W	58532.0
25.0W	58680.0
0.0E	59248.0
25.0E	59566.0

Line: 975.0N

Number of Stations: 43

STATION	READING
1050.0W	59590.0
1025.0W	59582.0
1000.0W	59634.0
975.0W	60000.0
950.0W	60369.0
925.0W	60035.0
900.0W	59703.0
875.0W	59211.0
850.0W	59199.0
825.0W	nil
800.0W	nil
775.0W	58517.0
750.0W	58537.0

725.0W	58549.0
700.0W	58504.0
675.0W	58318.0
650.0W	58026.0
625.0W	58077.0
600.0W	58199.0
575.0W	58245.0
550.0W	58299.0
525.0W	58138.0
500.0W	58399.0
475.0W	58454.0
450.0W	58260.0
425.0W	58228.0
400.0W	58352.0
375.0W	58407.0
350.0W	58444.0
325.0W	58058.0
300.0W	58595.0
275.0W	58548.0
250.0W	58656.0
225.0W	58648.0
200.0W	58914.0
175.0W	59026.0
150.0W	58913.0
125.0W	57912.0
100.0W	58832.0
75.0W	58782.0
50.0W	58633.0
25.0W	58803.0
0.0W	58994.0

Line: 1000.0N

Number of Stations: 43

STATION	READING
1050.0W	59400.0
1025.0W	59420.0
1000.0W	59429.0
975.0W	59527.0
950.0W	59756.0
925.0W	60097.0
900.0W	59707.0
875.0W	59419.0
850.0W	59595.0
825.0W	59830.0
800.0W	nil
775.0W	nil
750.0W	nil
725.0W	58101.0
700.0W	58062.0
675.0W	57872.0

650.0W	58152.0
625.0W	58762.0
600.0W	58461.0
575.0W	58359.0
550.0W	58342.0
525.0W	58463.0
500.0W	58384.0
475.0W	58312.0
450.0W	58352.0
425.0W	58321.0
400.0W	58533.0
375.0W	58404.0
350.0W	58435.0
325.0W	58282.0
300.0W	58427.0
275.0W	58639.0
250.0W	58655.0
225.0W	58499.0
200.0W	58572.0
175.0W	58586.0
150.0W	58796.0
125.0W	58816.0
100.0W	58440.0
75.0W	58159.0
50.0W	58572.0
25.0W	58232.0
0.0E	58818.0

Line: 1025.0N

Number of Stations: 44

STATION	READING
1075.0W	59110.0
1050.0W	59261.0
1025.0W	59269.0
1000.0W	59360.0
975.0W	59562.0
950.0W	59920.0
925.0W	59792.0
900.0W	59042.0
875.0W	59088.0
850.0W	59712.0
825.0W	58779.0
800.0W	59899.0
775.0W	59573.0
750.0W	58119.0
725.0W	57770.0
700.0W	57693.0
675.0W	57725.0
650.0W	58111.0
625.0W	58250.0

600.0W	58359.0
575.0W	58026.0
550.0W	57885.0
525.0W	58146.0
500.0W	58213.0
475.0W	58318.0
450.0W	58410.0
425.0W	58407.0
400.0W	58582.0
375.0W	58470.0
350.0W	58506.0
325.0W	58435.0
300.0W	58559.0
275.0W	58804.0
250.0W	58759.0
225.0W	58888.0
200.0W	58983.0
175.0W	58924.0
150.0W	58924.0
125.0W	59078.0
100.0W	59004.0
75.0W	58680.0
50.0W	58604.0
25.0W	57786.0
0.0W	57909.0

Line: 1050.0N

Number of Stations: 44

STATION	READING
1075.0W	59121.0
1050.0W	59118.0
1025.0W	59264.0
1000.0W	59333.0
975.0W	59336.0
950.0W	59392.0
925.0W	59229.0
900.0W	59149.0
875.0W	59137.0
850.0W	59197.0
825.0W	59136.0
800.0W	58433.0
775.0W	58250.0
750.0W	58100.0
725.0W	57814.0
700.0W	57670.0
675.0W	57776.0
650.0W	57792.0
625.0W	57570.0
600.0W	57551.0
575.0W	57542.0

550.0W	58195.0
525.0W	58538.0
500.0W	58645.0
475.0W	58505.0
450.0W	58464.0
425.0W	58333.0
400.0W	58707.0
375.0W	58380.0
350.0W	58792.0
325.0W	58553.0
300.0W	58561.0
275.0W	58707.0
250.0W	58856.0
225.0W	58763.0
200.0W	58892.0
175.0W	58889.0
150.0W	58849.0
125.0W	59079.0
100.0W	59093.0
75.0W	59104.0
50.0W	59070.0
25.0W	58881.0
0.0E	58360.0

Line: 1075.0N

Number of Stations: 46

STATION	READING
1125.0W	58756.0
1100.0W	58872.0
1075.0W	58875.0
1050.0W	58977.0
1025.0W	59110.0
1000.0W	59212.0
975.0W	59149.0
950.0W	59202.0
925.0W	59198.0
900.0W	59166.0
875.0W	59166.0
850.0W	59124.0
825.0W	58096.0
800.0W	58295.0
775.0W	58179.0
750.0W	58039.0
725.0W	57704.0
700.0W	57614.0
675.0W	58043.0
650.0W	58094.0
625.0W	57828.0
600.0W	57433.0
575.0W	57416.0

550.0W	57769.0
525.0W	58166.0
500.0W	58309.0
475.0W	58127.0
450.0W	58043.0
425.0W	58140.0
400.0W	58220.0
375.0W	58427.0
350.0W	58287.0
325.0W	58904.0
300.0W	58786.0
275.0W	58920.0
250.0W	59174.0
225.0W	59053.0
200.0W	58986.0
175.0W	58821.0
150.0W	58810.0
125.0W	58867.0
100.0W	58825.0
75.0W	59068.0
50.0W	59142.0
25.0W	58881.0
0.0W	58298.0

Line: 1100.0N

Number of Stations: 47

STATION	READING
1150.0W	58697.0
1125.0W	58745.0
1100.0W	58702.0
1075.0W	58883.0
1050.0W	58992.0
1025.0W	59022.0
1000.0W	59071.0
975.0W	59139.0
950.0W	59193.0
925.0W	59199.0
900.0W	59162.0
875.0W	59442.0
850.0W	59525.0
825.0W	58521.0
800.0W	58171.0
775.0W	57977.0
750.0W	57703.0
725.0W	57667.0
700.0W	57998.0
675.0W	57798.0
650.0W	57585.0
625.0W	57392.0
600.0W	57546.0

575.0W	57619.0
550.0W	57861.0
525.0W	58068.0
500.0W	58044.0
475.0W	57540.0
450.0W	57992.0
425.0W	58089.0
400.0W	58068.0
375.0W	58230.0
350.0W	58720.0
325.0W	58374.0
300.0W	58597.0
275.0W	58828.0
250.0W	58800.0
225.0W	58906.0
200.0W	58833.0
175.0W	59017.0
150.0W	58812.0
125.0W	58692.0
100.0W	58511.0
75.0W	58922.0
50.0W	59093.0
25.0W	59022.0
0.0E	58354.0

Line: 1125.0N

Number of Stations: 47

STATION	READING
1150.0W	58772.0
1125.0W	58718.0
1100.0W	58691.0
1075.0W	58866.0
1050.0W	59045.0
1025.0W	59154.0
1000.0W	59003.0
975.0W	59028.0
950.0W	59059.0
925.0W	59091.0
900.0W	58933.0
875.0W	nil
850.0W	nil
825.0W	57976.0
800.0W	57956.0
775.0W	57922.0
750.0W	57610.0
725.0W	57568.0
700.0W	58008.0
675.0W	57453.0
650.0W	57330.0
625.0W	57273.0

600.0W	57496.0
575.0W	57504.0
550.0W	58235.0
525.0W	58391.0
500.0W	58158.0
475.0W	57943.0
450.0W	58178.0
425.0W	57993.0
400.0W	57605.0
375.0W	57656.0
350.0W	57950.0
325.0W	58236.0
300.0W	58472.0
275.0W	58381.0
250.0W	58327.0
225.0W	57847.0
200.0W	58829.0
175.0W	58854.0
150.0W	58670.0
125.0W	58910.0
100.0W	58608.0
75.0W	59000.0
50.0W	59115.0
25.0W	58426.0
0.0W	58294.0

Line: 1150.0N

Number of Stations: 12

STATION	READING
1175.0W	58703.0
1150.0W	58725.0
1125.0W	58661.0
1100.0W	58708.0
1075.0W	58815.0
1050.0W	58902.0
1025.0W	58830.0
1000.0W	58850.0
975.0W	58881.0
950.0W	58885.0
925.0W	58880.0
900.0W	58789.0

Line: 1175.0N

Number of Stations: 12

STATION	READING
1150.0W	58785.0
1125.0W	58727.0
1100.0W	58702.0
1075.0W	58862.0

1050.0W	59051.0
1025.0W	59165.0
1000.0W	59004.0
975.0W	59066.0
950.0W	59088.0
925.0W	59092.0
900.0W	58935.0
700.0W	58447.0

Line: 1200.0N

Number of Stations: 20

STATION	READING
1175.0W	58448.0
1150.0W	58583.0
1125.0W	58546.0
1100.0W	58648.0
1075.0W	58697.0
1050.0W	58641.0
1025.0W	58659.0
1000.0W	58710.0
975.0W	58702.0
950.0W	58610.0
925.0W	58567.0
900.0W	58548.0
875.0W	59083.0
850.0W	58777.0
825.0W	58521.0
800.0W	58401.0
775.0W	58367.0
750.0W	58374.0
725.0W	58415.0
700.0W	58476.0

Line: 1225.0N

Number of Stations: 20

STATION	READING
1175.0W	58627.0
1150.0W	58555.0
1125.0W	58502.0
1100.0W	58537.0
1075.0W	58577.0
1050.0W	58586.0
1025.0W	58572.0
1000.0W	58634.0
975.0W	58595.0
950.0W	58565.0
925.0W	58482.0
900.0W	58525.0
875.0W	58703.0

850.0W	58645.0
825.0W	58463.0
800.0W	58407.0
775.0W	58352.0
750.0W	58514.0
725.0W	58523.0
700.0W	58607.0

Line: 1250.0N

Number of Stations: 20

STATION	READING
1175.0W	58607.0
1150.0W	58515.0
1125.0W	58478.0
1100.0W	58504.0
1075.0W	58545.0
1050.0W	58524.0
1025.0W	58569.0
1000.0W	58642.0
975.0W	58598.0
950.0W	58571.0
925.0W	58589.0
900.0W	58472.0
875.0W	58471.0
850.0W	58495.0
825.0W	58471.0
800.0W	58452.0
775.0W	58412.0
750.0W	58564.0
725.0W	58610.0
700.0W	58578.0

Line: 1275.0N

Number of Stations: 21

STATION	READING
1200.0W	58369.0
1175.0W	58502.0
1150.0W	58485.0
1125.0W	58414.0
1100.0W	58485.0
1075.0W	58500.0
1050.0W	58559.0
1025.0W	58575.0
1000.0W	58596.0
975.0W	58569.0
950.0W	58683.0
925.0W	58739.0
900.0W	58850.0
875.0W	58339.0

850.0W	58490.0
825.0W	58430.0
800.0W	58409.0
775.0W	58508.0
750.0W	58680.0
725.0W	58610.0
700.0W	58550.0

Line: 1300.0N

Number of Stations: 21

STATION	READING
1200.0W	58557.0
1175.0W	58449.0
1150.0W	58390.0
1125.0W	58406.0
1100.0W	58393.0
1075.0W	58497.0
1050.0W	58520.0
1025.0W	58538.0
1000.0W	58512.0
975.0W	58507.0
950.0W	58634.0
925.0W	58768.0
900.0W	58701.0
875.0W	58433.0
850.0W	58400.0
825.0W	58337.0
800.0W	58340.0
775.0W	58337.0
750.0W	58467.0
725.0W	58502.0
700.0W	58515.0

Line: 1325.0N

Number of Stations: 21

STATION	READING
1200.0W	58500.0
1175.0W	58470.0
1150.0W	58401.0
1125.0W	58415.0
1100.0W	58455.0
1075.0W	58511.0
1050.0W	58500.0
1025.0W	58467.0
1000.0W	58476.0
975.0W	58466.0
950.0W	58507.0
925.0W	58507.0
900.0W	58397.0

875.0W	58388.0
850.0W	58269.0
825.0W	58199.0
800.0W	58504.0
775.0W	58501.0
750.0W	58474.0
725.0W	58447.0
700.0W	58725.0

Line: 1350.0N

Number of Stations: 21

STATION	READING
1200.0W	58493.0
1175.0W	58440.0
1150.0W	58467.0
1125.0W	58539.0
1100.0W	58593.0
1075.0W	58550.0
1050.0W	58500.0
1025.0W	58489.0
1000.0W	58493.0
975.0W	58462.0
950.0W	58452.0
925.0W	58400.0
900.0W	58366.0
875.0W	58322.0
850.0W	58331.0
825.0W	58297.0
800.0W	58459.0
775.0W	58452.0
750.0W	58452.0
725.0W	58425.0
700.0W	58635.0

Line: 1375.0N

Number of Stations: 21

STATION	READING
1200.0W	58485.0
1175.0W	58495.0
1150.0W	58469.0
1125.0W	58620.0
1100.0W	58578.0
1075.0W	58534.0
1050.0W	58506.0
1025.0W	58522.0
1000.0W	58547.0
975.0W	58521.0
950.0W	58471.0
925.0W	58398.0

900.0W	58294.0
875.0W	58390.0
850.0W	58383.0
825.0W	58395.0
800.0W	58497.0
775.0W	58511.0
750.0W	58491.0
725.0W	58529.0
700.0W	58656.0

Line: 1400.0N

Number of Stations: 21

STATION	READING
1200.0W	58468.0
1175.0W	58502.0
1150.0W	58409.0
1125.0W	58540.0
1100.0W	58480.0
1075.0W	58498.0
1050.0W	58468.0
1025.0W	58526.0
1000.0W	58526.0
975.0W	58496.0
950.0W	58313.0
925.0W	58321.0
900.0W	58333.0
875.0W	58373.0
850.0W	58485.0
825.0W	58508.0
800.0W	58543.0
775.0W	58565.0
750.0W	58490.0
725.0W	58527.0
700.0W	58565.0

Line: 1425.0N

Number of Stations: 21

STATION	READING
1200.0W	58497.0
1175.0W	58505.0
1150.0W	58531.0
1125.0W	58537.0
1100.0W	58515.0
1075.0W	58545.0
1050.0W	58503.0
1025.0W	58526.0
1000.0W	58540.0
975.0W	58427.0
950.0W	58347.0

925.0W	58494.0
900.0W	58418.0
875.0W	58456.0
850.0W	58551.0
825.0W	58546.0
800.0W	58544.0
775.0W	58467.0
750.0W	58539.0
725.0W	58481.0
700.0W	58780.0

Line: 1450.0N

Number of Stations: 21

STATION	READING
1200.0W	58496.0
1175.0W	58554.0
1150.0W	58539.0
1125.0W	58550.0
1100.0W	58434.0
1075.0W	58546.0
1050.0W	58506.0
1025.0W	58524.0
1000.0W	58515.0
975.0W	58299.0
950.0W	58442.0
925.0W	58506.0
900.0W	58510.0
875.0W	58590.0
850.0W	58546.0
825.0W	58553.0
800.0W	58515.0
775.0W	58469.0
750.0W	58484.0
725.0W	58467.0
700.0W	58604.0

Appendix B.2
Raw Geophysical Data - VLF-EM Readings



VLF-EM SURVEY Thutade Lake Property

Date : September/October, 1987

Instrument: Sabre Electronics Model 27 Electromagnetometer

Frequency : 24.8 kHz transmitted from NLK Seattle, WA
 23.4 kHz transmitted from NPM Laulaulei, HI

Baseline : 0.0E

Baseline Azimuth : 0 Degrees

Number of Lines : 83

NTS

: 94E/2W

Line: 600.0S Number of Stations: 18

Station	Seattle		Laulaulei	
	Dip Angle	Field Str.	Dip Angle	Field Str.
425.0W	-14.0	62.0	-20.0	32.0
400.0W	-10.0	72.0	-22.0	27.0
375.0W	-10.0	75.0	-12.0	25.0
350.0W	0.0	79.0	-10.0	26.0
325.0W	8.0	82.0	6.0	22.0
300.0W	12.0	80.0	-4.0	26.0
275.0W	20.0	85.0	0.0	30.0
250.0W	10.0	87.0	-8.0	35.0
225.0W	2.0	92.0	-6.0	38.0
200.0W	-12.0	78.0	-10.0	35.0
175.0W	-10.0	80.0	-6.0	38.0
150.0W	-12.0	85.0	-6.0	36.0
125.0W	-8.0	85.0	-4.0	32.0
100.0W	0.0	82.0	2.0	42.0
75.0W	2.0	75.0	0.0	45.0
50.0W	0.0	85.0	-4.0	50.0
25.0W	6.0	82.0	-6.0	50.0
00.0W	4.0	75.0	-10.0	52.0

Line: 575.0S Number of Stations: 18

Station	Seattle		Laulaulei	
	Dip Angle	Field Str.	Dip Angle	Field Str.
425.0W	-6.0	72.0	-12.0	38.0
400.0W	-10.0	78.0	-16.0	40.0
375.0W	-2.0	72.0	-16.0	38.0
350.0W	2.0	82.0	-12.0	36.0
325.0W	4.0	80.0	-10.0	35.0
300.0W	16.0	72.0	-6.0	35.0
275.0W	14.0	90.0	-6.0	35.0
250.0W	10.0	85.0	-4.0	40.0
225.0W	-2.0	90.0	-8.0	42.0
200.0W	-20.0	87.0	-10.0	36.0
175.0W	-12.0	85.0	-8.0	36.0
150.0W	-10.0	75.0	0.0	35.0
125.0W	-4.0	68.0	2.0	36.0
100.0W	-2.0	74.0	2.0	36.0
75.0W	10.0	74.0	2.0	40.0

50.0W	8.0	76.0	-6.0	38.0
25.0W	10.0	72.0	-8.0	48.0
00.0W	8.0	82.0	-3.0	50.0

Line: 550.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	nil	nil	nil	nil
400.0W	-4.0	75.0	-12.0	52.0
375.0W	0.0	79.0	-10.0	50.0
350.0W	4.0	84.0	-6.0	46.0
325.0W	4.0	80.0	0.0	42.0
300.0W	10.0	74.0	4.0	40.0
275.0W	12.0	82.0	6.0	40.0
250.0W	10.0	86.0	8.0	45.0
225.0W	2.0	89.0	0.0	45.0
200.0W	-8.0	80.0	8.0	44.0
175.0W	-10.0	62.0	4.0	40.0
150.0W	-8.0	62.0	10.0	40.0
125.0W	0.0	70.0	2.0	36.0
100.0W	6.0	68.0	0.0	35.0
75.0W	4.0	75.0	4.0	38.0
50.0W	6.0	75.0	6.0	40.0
25.0W	10.0	78.0	10.0	52.0
00.0W	14.0	85.0	6.0	66.0

Line: 525.0S Number of Stations: 19

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
450.0W	-8.0	85.0	-12.0	48.0
425.0W	-4.0	90.0	-8.0	50.0
400.0W	2.0	87.0	-4.0	46.0
375.0W	4.0	85.0	-6.0	44.0
350.0W	10.0	82.0	-8.0	40.0
325.0W	4.0	84.0	-6.0	45.0
300.0W	12.0	90.0	-4.0	40.0
275.0W	12.0	85.0	-2.0	45.0
250.0W	4.0	92.0	0.0	48.0
225.0W	6.0	90.0	-4.0	52.0
200.0W	-4.0	85.0	-4.0	52.0
175.0W	-10.0	72.0	-8.0	50.0
150.0W	-12.0	84.0	-6.0	44.0
125.0W	-6.0	74.0	-6.0	38.0
100.0W	0.0	72.0	-6.0	42.0
75.0W	4.0	70.0	-2.0	44.0
50.0W	6.0	72.0	0.0	43.0
25.0W	10.0	65.0	4.0	52.0
00.0W	12.0	80.0	6.0	70.0

Line: 500.0S Number of Stations: 17

Station	Seattle		Laulaulei	
	Dip Angle	Field Str.	Dip Angle	Field Str.
400.0W	-6.0	80.0	-10.0	58.0
375.0W	-2.0	83.0	-12.0	55.0
350.0W	-4.0	82.0	-10.0	52.0
325.0W	-6.0	80.0	-10.0	46.0
300.0W	10.0	85.0	0.0	45.0
275.0W	6.0	80.0	4.0	46.0
250.0W	-2.0	92.0	-8.0	50.0
225.0W	-8.0	90.0	-10.0	50.0
200.0W	-8.0	70.0	-10.0	60.0
175.0W	-4.0	73.0	-6.0	48.0
150.0W	-6.0	80.0	-6.0	150.0
125.0W	-4.0	78.0	-4.0	43.0
100.0W	0.0	75.0	0.0	48.0
75.0W	2.0	72.0	4.0	46.0
50.0W	0.0	65.0	4.0	48.0
25.0W	12.0	64.0	10.0	45.0
00.0W	10.0	75.0	14.0	52.0

Line: 475.0S Number of Stations: 17

Station	Seattle		Laulaulei	
	Dip Angle	Field Str.	Dip Angle	Field Str.
400.0W	0.0	74.0	-10.0	58.0
375.0W	0.0	80.0	-4.0	55.0
350.0W	-4.0	72.0	-10.0	56.0
325.0W	6.0	64.0	-6.0	55.0
300.0W	10.0	85.0	-8.0	48.0
275.0W	-4.0	84.0	-4.0	50.0
250.0W	-8.0	88.0	-8.0	45.0
225.0W	-10.0	70.0	-6.0	52.0
200.0W	-12.0	82.0	-4.0	46.0
175.0W	-10.0	75.0	-4.0	45.0
150.0W	-8.0	nil	4.0	48.0
125.0W	-4.0	64.0	4.0	50.0
100.0W	0.0	62.0	6.0	45.0
75.0W	-2.0	60.0	6.0	42.0
50.0W	4.0	58.0	4.0	40.0
25.0W	10.0	60.0	10.0	42.0
00.0W	12.0	64.0	8.0	44.0

Line: 450.0S Number of Stations: 18

Station	Seattle		Laulaulei	
	Dip Angle	Field Str.	Dip Angle	Field Str.
425.0W	nil	nil	nil	nil
400.0W	0.0	52.0	-10.0	55.0
375.0W	10.0	48.0	-8.0	48.0
350.0W	10.0	nil	-8.0	50.0
325.0W	10.0	70.0	-4.0	48.0

300.0W	4.0	73.0	-2.0	50.0
275.0W	1.0	77.0	0.0	50.0
250.0W	-2.0	74.0	1.0	48.0
225.0W	-6.0	73.0	-2.0	45.0
200.0W	-10.0	74.0	0.0	41.0
175.0W	-15.0	49.0	2.0	36.0
150.0W	-13.0	40.0	12.0	38.0
125.0W	-7.0	38.0	12.0	40.0
100.0W	0.0	38.0	10.0	44.0
75.0W	0.0	36.0	4.0	52.0
50.0W	6.0	36.0	4.0	45.0
25.0W	14.0	38.0	12.0	47.0
00.0W	18.0	38.0	12.0	48.0

Line: 450.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	-2.0	80.0	nil	nil
400.0W	4.0	81.0	-12.0	58.0
375.0W	-2.0	85.0	-8.0	61.0
350.0W	0.0	87.0	-10.0	55.0
325.0W	-2.0	90.0	-6.0	60.0
300.0W	-6.0	86.0	-10.0	58.0
275.0W	-8.0	85.0	-8.0	52.0
250.0W	-12.0	80.0	-8.0	50.0
225.0W	-10.0	82.0	-10.0	52.0
200.0W	-14.0	75.0	-8.0	50.0
175.0W	-12.0	73.0	-2.0	42.0
150.0W	-14.0	68.0	-6.0	48.0
125.0W	0.0	70.0	-10.0	52.0
100.0W	-6.0	72.0	-8.0	50.0
75.0W	-4.0	70.0	-8.0	52.0
50.0W	8.0	70.0	-10.0	58.0
25.0W	10.0	68.0	-10.0	60.0
00.0W	nil	nil	nil	nil

Line: 425.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	nil	nil	nil	nil
400.0W	0.0	58.0	-6.0	58.0
375.0W	12.0	53.0	-4.0	55.0
350.0W	6.0	56.0	0.0	52.0
325.0W	4.0	63.0	-2.0	55.0
300.0W	2.0	53.0	-2.0	52.0
275.0W	2.0	70.0	-4.0	48.0
250.0W	-4.0	77.0	-2.0	45.0
225.0W	-16.0	72.0	0.0	38.0
200.0W	-20.0	45.0	-6.0	38.0

175.0W	-12.0	42.0	2.0	32.0
150.0W	-1.0	38.0	2.0	34.0
125.0W	-2.0	40.0	8.0	35.0
100.0W	5.0	38.0	8.0	36.0
75.0W	6.0	39.0	12.0	42.0
50.0W	10.0	43.0	10.0	40.0
25.0W	16.0	40.0	6.0	38.0
00.0W	17.0	46.0	8.0	38.0

Line: 400.0S Number of Stations: 18

Station	Seattle		Laulaulei	
	Dip Angle	Field Str.	Dip Angle	Field Str.
425.0W	nil	nil	nil	nil
400.0W	0.0	73.0	3.0	55.0
375.0W	10.0	73.0	8.0	54.0
350.0W	6.0	78.0	4.0	57.0
325.0W	1.0	71.0	4.0	55.0
300.0W	3.0	80.0	4.0	53.0
275.0W	2.0	86.0	3.0	54.0
250.0W	-5.0	83.0	-2.0	52.0
225.0W	-18.0	84.0	-12.0	45.0
200.0W	-20.0	44.0	-6.0	35.0
175.0W	-9.0	43.0	-2.0	40.0
150.0W	-4.0	42.0	-1.0	38.0
125.0W	-3.0	41.0	-1.0	36.0
100.0W	4.0	38.0	6.0	40.0
75.0W	5.0	41.0	4.0	38.0
50.0W	4.0	47.0	0.0	40.0
25.0W	12.0	43.0	12.0	40.0
00.0W	15.0	46.0	14.0	38.0

Line: 375.0S Number of Stations: 18

Station	Seattle		Laulaulei	
	Dip Angle	Field Str.	Dip Angle	Field Str.
425.0W	nil	nil	nil	nil
400.0W	-4.0	79.0	6.0	50.0
375.0W	5.0	70.0	8.0	50.0
350.0W	6.0	66.0	9.0	55.0
325.0W	2.0	67.0	2.0	53.0
300.0W	3.0	70.0	4.0	58.0
275.0W	3.0	70.0	0.0	55.0
250.0W	-4.0	94.0	-2.0	60.0
225.0W	-20.0	73.0	-14.0	52.0
200.0W	-18.0	47.0	-14.0	40.0
175.0W	-15.0	45.0	-9.0	40.0
150.0W	-7.0	46.0	-3.0	35.0
125.0W	0.0	43.0	-1.0	35.0
100.0W	4.0	46.0	2.0	40.0
75.0W	7.0	45.0	3.0	38.0

50.0W	13.0	45.0	8.0	36.0
25.0W	15.0	46.0	4.0	36.0
00.0W	17.0	48.0	10.0	40.0

Line: 350.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	-7.0	76.0	nil	nil
400.0W	-3.0	57.0	nil	nil
375.0W	6.0	52.0	nil	nil
350.0W	4.0	78.0	nil	nil
325.0W	3.0	75.0	nil	nil
300.0W	1.0	81.0	nil	nil
275.0W	0.0	80.0	nil	nil
250.0W	-7.0	90.0	nil	nil
225.0W	-6.0	77.0	nil	nil
200.0W	-11.0	48.0	nil	nil
175.0W	-10.0	42.0	nil	nil
150.0W	-3.0	42.0	nil	nil
125.0W	1.0	43.0	nil	nil
100.0W	6.0	45.0	nil	nil
75.0W	8.0	43.0	nil	nil
50.0W	13.0	48.0	nil	nil
25.0W	15.0	45.0	nil	nil
00.0W	18.0	49.0	nil	nil

Line: 325.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	-9.0	70.0	nil	nil
400.0W	-7.0	49.0	nil	nil
375.0W	11.0	50.0	nil	nil
350.0W	4.0	76.0	nil	nil
325.0W	2.0	53.0	nil	nil
300.0W	5.0	58.0	nil	nil
275.0W	3.0	60.0	nil	nil
250.0W	-14.0	69.0	nil	nil
225.0W	-16.0	51.0	nil	nil
200.0W	-8.0	42.0	nil	nil
175.0W	-2.0	35.0	nil	nil
150.0W	-1.0	40.0	nil	nil
125.0W	2.0	38.0	nil	nil
100.0W	10.0	42.0	nil	nil
75.0W	8.0	38.0	nil	nil
50.0W	10.0	42.0	nil	nil
25.0W	14.0	41.0	nil	nil
00.0W	16.0	44.0	nil	nil

Line: 300.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	-9.0	63.0	-3.0	63.0
400.0W	4.0	48.0	0.0	57.0
375.0W	5.0	74.0	0.0	57.0
350.0W	-4.0	62.0	-1.0	61.0
325.0W	3.0	53.0	5.0	62.0
300.0W	6.0	73.0	2.0	63.0
275.0W	0.0	70.0	nil	nil
250.0W	-6.0	70.0	nil	nil
225.0W	-13.0	48.0	nil	nil
200.0W	-3.0	46.0	nil	nil
175.0W	4.0	47.0	nil	nil
150.0W	0.0	45.0	nil	nil
125.0W	1.0	48.0	nil	nil
100.0W	5.0	40.0	nil	nil
75.0W	11.0	44.0	nil	nil
50.0W	14.0	41.0	nil	nil
25.0W	18.0	42.0	nil	nil
00.0W	20.0	44.0	nil	nil

Line: 275.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	-12.0	59.0	0.0	62.0
400.0W	9.0	51.0	4.0	62.0
375.0W	8.0	73.0	4.0	67.0
350.0W	-6.0	56.0	0.0	50.0
325.0W	-14.0	51.0	5.0	63.0
300.0W	5.0	61.0	4.0	65.0
275.0W	2.0	68.0	-2.0	73.0
250.0W	-2.0	63.0	-4.0	82.0
225.0W	-6.0	55.0	-6.0	78.0
200.0W	0.0	50.0	-5.0	70.0
175.0W	4.0	49.0	-7.0	62.0
150.0W	5.0	51.0	-9.0	55.0
125.0W	4.0	50.0	-11.0	62.0
100.0W	10.0	43.0	-10.0	50.0
75.0W	15.0	48.0	-6.0	52.0
50.0W	15.0	47.0	-2.0	49.0
25.0W	20.0	44.0	-3.0	53.0
00.0W	27.0	48.0	5.0	48.0

Line: 250.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	-15.0	48.0	-6.0	65.0
400.0W	5.0	35.0	5.0	63.0
375.0W	6.0	61.0	2.0	73.0
350.0W	-10.0	52.0	-2.0	63.0
325.0W	3.0	37.0	4.0	65.0
300.0W	5.0	43.0	5.0	77.0
275.0W	2.0	50.0	0.0	77.0
250.0W	-3.0	46.0	-4.0	77.0
225.0W	-4.0	40.0	-8.0	77.0
200.0W	0.0	40.0	-7.0	81.0
175.0W	4.0	43.0	-8.0	76.0
150.0W	3.0	48.0	-11.0	74.0
125.0W	3.0	47.0	-13.0	73.0
100.0W	8.0	41.0	-11.0	68.0
75.0W	15.0	43.0	-9.0	63.0
50.0W	16.0	43.0	-10.0	60.0
25.0W	25.0	42.0	-10.0	63.0
00.0W	28.0	45.0	-6.0	56.0

Line: 225.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	-8.0	40.0	-1.0	75.0
400.0W	14.0	48.0	5.0	75.0
375.0W	4.0	82.0	0.0	85.0
350.0W	-14.0	42.0	-8.0	63.0
325.0W	2.0	39.0	0.0	62.0
300.0W	4.0	51.0	3.0	75.0
275.0W	1.0	81.0	-2.0	80.0
250.0W	0.0	52.0	-5.0	80.0
225.0W	2.0	51.0	-8.0	75.0
200.0W	0.0	51.0	-10.0	75.0
175.0W	1.0	50.0	-9.0	75.0
150.0W	0.0	84.0	-11.0	82.0
125.0W	8.0	47.0	-15.0	80.0
100.0W	14.0	42.0	-14.0	70.0
75.0W	12.0	46.0	-15.0	70.0
50.0W	18.0	48.0	-13.0	65.0
25.0W	19.0	55.0	-7.0	75.0
00.0W	19.0	54.0	-5.0	70.0

Line: 175.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	-4.0	70.0	-2.0	52.0
400.0W	14.0	89.0	8.0	59.0
375.0W	-9.0	100.0	-5.0	63.0
350.0W	-18.0	76.0	-4.0	53.0
325.0W	3.0	77.0	-2.0	50.0
300.0W	4.0	93.0	-1.0	60.0
275.0W	6.0	97.0	-1.0	62.0
250.0W	3.0	88.0	-7.0	74.0
225.0W	nil	nil	nil	nil
200.0W	nil	nil	nil	nil
175.0W	nil	nil	nil	nil
150.0W	nil	nil	nil	nil
125.0W	nil	nil	nil	nil
100.0W	nil	nil	nil	nil
75.0W	nil	nil	nil	nil
50.0W	nil	nil	nil	nil
25.0W	nil	nil	nil	nil
00.0W	nil	nil	nil	nil

Line: 150.0S Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
475.0W	nil	nil	nil	nil
450.0W	-10.0	86.0	-4.0	52.0
425.0W	-9.0	63.0	3.0	47.0
400.0W	8.0	84.0	6.0	50.0
375.0W	-8.0	93.0	-9.0	62.0
350.0W	0.0	56.0	-4.0	55.0
325.0W	4.0	63.0	-3.0	53.0
300.0W	8.0	73.0	-5.0	48.0
275.0W	9.0	81.0	1.0	63.0
250.0W	5.0	77.0	-7.0	63.0
225.0W	6.0	72.0	-9.0	70.0
200.0W	7.0	75.0	-1.0	68.0
175.0W	8.0	79.0	0.0	72.0
150.0W	6.0	72.0	-2.0	75.0
125.0W	5.0	73.0	-1.0	77.0
100.0W	12.0	70.0	-3.0	70.0
75.0W	9.0	82.0	-8.0	63.0
50.0W	5.0	90.0	-5.0	62.0
25.0W	-1.0	90.0	-8.0	58.0
00.0W	0.0	82.0	0.0	62.0

Line: 125.0S Number of Stations: 18

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
425.0W	5.0	59.0	6.0	48.0
400.0W	2.0	87.0	3.0	60.0
375.0W	-6.0	82.0	-4.0	66.0
350.0W	nil	nil	nil	nil
325.0W	4.0	73.0	0.0	54.0
300.0W	11.0	76.0	3.0	53.0
275.0W	7.0	84.0	5.0	63.0
250.0W	9.0	87.0	3.0	58.0
225.0W	4.0	86.0	2.0	65.0
200.0W	6.0	85.0	2.0	68.0
175.0W	4.0	83.0	1.0	63.0
150.0W	8.0	77.0	6.0	66.0
125.0W	5.0	78.0	1.0	72.0
100.0W	17.0	84.0	1.0	71.0
75.0W	11.0	92.0	1.0	70.0
50.0W	5.0	94.0	-2.0	73.0
25.0W	-3.0	90.0	0.0	67.0
00.0W	0.0	82.0	0.0	65.0

Line: 100.0S Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
475.0W	-14.0	62.0	-2.0	47.0
450.0W	9.0	73.0	4.0	57.0
425.0W	-3.0	72.0	1.0	54.0
400.0W	-6.0	72.0	-4.0	57.0
375.0W	nil	nil	nil	nil
350.0W	0.0	74.0	0.0	52.0
325.0W	7.0	72.0	1.0	52.0
300.0W	10.0	74.0	8.0	51.0
275.0W	13.0	83.0	6.0	58.0
250.0W	9.0	84.0	5.0	59.0
225.0W	6.0	85.0	1.0	62.0
200.0W	3.0	84.0	5.0	57.0
175.0W	3.0	78.0	2.0	53.0
150.0W	10.0	76.0	-2.0	53.0
125.0W	12.0	72.0	6.0	52.0
100.0W	8.0	92.0	6.0	52.0
75.0W	9.0	94.0	0.0	57.0
50.0W	0.0	90.0	-3.0	62.0
25.0W	3.0	83.0	-7.0	54.0
00.0W	6.0	78.0	-1.0	53.0

Line: 75.0S Number of Stations: 19

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
450.0W	4.0	70.0	2.0	37.0
425.0W	4.0	70.0	2.0	42.0
400.0W	2.0	82.0	0.0	42.0
375.0W	4.0	64.0	4.0	46.0
350.0W	7.0	77.0	-1.0	47.0
325.0W	1.0	75.0	-3.0	37.0
300.0W	7.0	75.0	5.0	45.0
275.0W	12.0	78.0	4.0	44.0
250.0W	12.0	90.0	2.0	52.0
225.0W	5.0	90.0	0.0	58.0
200.0W	5.0	84.0	-4.0	44.0
175.0W	6.0	84.0	-1.0	52.0
150.0W	8.0	86.0	-4.0	50.0
125.0W	17.0	82.0	0.0	50.0
100.0W	8.0	92.0	-1.0	47.0
75.0W	9.0	94.0	3.0	46.0
50.0W	5.0	92.0	-3.0	61.0
25.0W	2.0	85.0	-7.0	61.0
00.0W	2.0	83.0	1.0	59.0

Line: 50.0S Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
475.0W	nil	nil	nil	nil
450.0W	6.0	53.0	-7.0	27.0
425.0W	6.0	48.0	1.0	22.0
400.0W	6.0	56.0	2.0	25.0
375.0W	5.0	53.0	-2.0	25.0
350.0W	9.0	58.0	1.0	32.0
325.0W	6.0	52.0	0.0	25.0
300.0W	4.0	53.0	0.0	25.0
275.0W	12.0	48.0	2.0	25.0
250.0W	10.0	60.0	2.0	19.0
225.0W	9.0	63.0	-2.0	38.0
200.0W	12.0	55.0	-2.0	28.0
175.0W	7.0	70.0	-15.0	23.0
150.0W	6.0	59.0	-17.0	20.0
125.0W	8.0	55.0	-9.0	24.0
100.0W	10.0	77.0	2.0	24.0
75.0W	8.0	63.0	-4.0	28.0
50.0W	2.0	62.0	-2.0	28.0
25.0W	2.0	60.0	-6.0	25.0
00.0W	2.0	59.0	-3.0	25.0

Line: 25.0S Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
475.0W	nil	nil	nil	nil
450.0W	-13.0	95.0	-14.0	28.0
425.0W	6.0	87.0	-6.0	34.0
400.0W	2.0	95.0	-4.0	30.0
375.0W	1.0	78.0	-4.0	27.0
350.0W	7.0	84.0	2.0	24.0
325.0W	2.0	77.0	2.0	24.0
300.0W	10.0	77.0	-1.0	25.0
275.0W	15.0	75.0	-1.0	25.0
250.0W	19.0	82.0	-1.0	25.0
225.0W	15.0	94.0	0.0	27.0
200.0W	15.0	97.0	-3.0	25.0
175.0W	6.0	95.0	-6.0	28.0
150.0W	2.0	88.0	-8.0	20.0
125.0W	4.0	77.0	-7.0	19.0
100.0W	6.0	77.0	2.0	25.0
75.0W	4.0	80.0	-3.0	18.0
50.0W	2.0	78.0	-1.0	17.0
25.0W	0.0	73.0	-1.0	22.0
00.0W	-1.0	70.0	-3.0	25.0

Line: 00.0N Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
475.0W	12.0	40.0	-8.0	38.0
450.0W	2.0	38.0	-6.0	32.0
425.0W	12.0	22.0	6.0	37.0
400.0W	8.0	43.0	10.0	40.0
375.0W	10.0	45.0	12.0	38.0
350.0W	12.0	48.0	8.0	48.0
325.0W	14.0	48.0	0.0	46.0
300.0W	20.0	57.0	2.0	48.0
275.0W	14.0	61.0	8.0	52.0
250.0W	10.0	65.0	10.0	56.0
225.0W	16.0	73.0	2.0	59.0
200.0W	18.0	80.0	8.0	63.0
175.0W	12.0	78.0	2.0	64.0
150.0W	8.0	74.0	4.0	72.0
125.0W	6.0	77.0	4.0	80.0
100.0W	6.0	80.0	6.0	78.0
75.0W	-10.0	79.0	14.0	78.0
50.0W	-2.0	70.0	0.0	65.0
25.0W	-1.0	66.0	2.0	73.0
00.0W	-6.0	67.0	2.0	75.0

Line: 25.0N Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
475.0W	-8.0	63.0	-10.0	84.0
450.0W	2.0	50.0	-6.0	80.0
425.0W	4.0	62.0	-6.0	82.0
400.0W	2.0	64.0	-4.0	79.0
375.0W	10.0	55.0	2.0	79.0
350.0W	12.0	56.0	4.0	80.0
325.0W	16.0	65.0	0.0	80.0
300.0W	12.0	75.0	4.0	85.0
275.0W	8.0	76.0	0.0	82.0
250.0W	6.0	82.0	4.0	85.0
225.0W	4.0	85.0	6.0	81.0
200.0W	-4.0	84.0	8.0	82.0
175.0W	-2.0	77.0	10.0	80.0
150.0W	0.0	75.0	4.0	75.0
125.0W	2.0	65.0	6.0	72.0
100.0W	0.0	72.0	4.0	69.0
75.0W	-2.0	63.0	6.0	70.0
50.0W	0.0	61.0	8.0	73.0
25.0W	-2.0	65.0	10.0	71.0
00.0W	10.0	67.0	0.0	55.0

Line: 50.0N Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
475.0W	-10.0	60.0	-6.0	85.0
450.0W	8.0	55.0	-8.0	80.0
425.0W	0.0	60.0	-6.0	76.0
400.0W	2.0	59.0	-4.0	80.0
375.0W	8.0	60.0	-8.0	81.0
350.0W	15.0	65.0	2.0	83.0
325.0W	10.0	75.0	2.0	85.0
300.0W	8.0	80.0	4.0	80.0
275.0W	10.0	83.0	6.0	84.0
250.0W	2.0	86.0	18.0	87.0
225.0W	-2.0	91.0	6.0	85.0
200.0W	2.0	87.0	10.0	87.0
175.0W	0.0	82.0	4.0	93.0
150.0W	-2.0	76.0	-6.0	85.0
125.0W	-2.0	75.0	0.0	85.0
100.0W	-16.0	79.0	4.0	80.0
75.0W	-8.0	68.0	-6.0	77.0
50.0W	0.0	60.0	2.0	84.0
25.0W	-2.0	70.0	0.0	90.0
00.0W	4.0	57.0	4.0	85.0

Line: 75.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
500.0W	-8.0	75.0	-12.0	93.0
475.0W	-4.0	62.0	-10.0	90.0
450.0W	-2.0	58.0	-6.0	95.0
425.0W	2.0	60.0	-4.0	90.0
400.0W	12.0	63.0	-2.0	90.0
375.0W	12.0	67.0	2.0	87.0
350.0W	16.0	72.0	0.0	93.0
325.0W	8.0	84.0	2.0	90.0
300.0W	6.0	85.0	4.0	87.0
275.0W	2.0	83.0	10.0	90.0
250.0W	0.0	78.0	6.0	92.0
225.0W	-4.0	77.0	1.0	94.0
200.0W	1.0	75.0	-8.0	97.0
175.0W	-4.0	72.0	-10.0	95.0
150.0W	0.0	66.0	-6.0	90.0
125.0W	4.0	78.0	-8.0	95.0
100.0W	2.0	78.0	0.0	90.0
75.0W	-10.0	72.0	-20.0	80.0
50.0W	-2.0	55.0	2.0	72.0
25.0W	-1.0	60.0	6.0	87.0
00.0W	10.0	60.0	4.0	90.0

Line: 100.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
500.0W	-10.0	75.0	-8.0	95.0
475.0W	0.0	65.0	0.0	95.0
450.0W	-4.0	60.0	-6.0	90.0
425.0W	6.0	73.0	-8.0	95.0
400.0W	2.0	70.0	0.0	96.0
375.0W	16.0	79.0	2.0	90.0
350.0W	10.0	90.0	2.0	93.0
325.0W	0.0	95.0	0.0	96.0
300.0W	0.0	95.0	4.0	95.0
275.0W	4.0	87.0	10.0	90.0
250.0W	0.0	85.0	6.0	95.0
225.0W	2.0	84.0	8.0	93.0
200.0W	0.0	85.0	4.0	95.0
175.0W	2.0	90.0	8.0	85.0
150.0W	4.0	85.0	6.0	92.0
125.0W	0.0	94.0	-2.0	90.0
100.0W	0.0	68.0	-4.0	85.0
75.0W	1.0	65.0	4.0	90.0
50.0W	2.0	74.0	0.0	92.0
25.0W	2.0	72.0	-2.0	90.0
00.0W	4.0	70.0	4.0	95.0

Line: 125.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
500.0W	-10.0	80.0	-8.0	75.0
475.0W	-8.0	75.0	-6.0	90.0
450.0W	0.0	68.0	-10.0	95.0
425.0W	2.0	82.0	-4.0	90.0
400.0W	6.0	75.0	4.0	95.0
375.0W	8.0	80.0	10.0	90.0
350.0W	4.0	95.0	-2.0	95.0
325.0W	0.0	90.0	-2.0	92.0
300.0W	-6.0	95.0	4.0	90.0
275.0W	-4.0	85.0	2.0	90.0
250.0W	6.0	89.0	4.0	83.0
225.0W	-4.0	82.0	10.0	95.0
200.0W	-2.0	80.0	12.0	90.0
175.0W	6.0	87.0	4.0	90.0
150.0W	8.0	85.0	8.0	96.0
125.0W	0.0	90.0	2.0	95.0
100.0W	-4.0	85.0	-4.0	90.0
75.0W	-2.0	68.0	-8.0	92.0
50.0W	4.0	65.0	2.0	85.0
25.0W	8.0	70.0	6.0	94.0
00.0W	4.0	75.0	2.0	92.0

Line: 150.0N Number of Stations: 22

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
525.0W	-6.0	80.0	-8.0	85.0
500.0W	-6.0	82.0	-6.0	80.0
475.0W	-4.0	73.0	0.0	85.0
450.0W	-2.0	65.0	0.0	80.0
425.0W	4.0	80.0	2.0	82.0
400.0W	6.0	78.0	4.0	70.0
375.0W	10.0	85.0	12.0	85.0
350.0W	2.0	82.0	4.0	80.0
325.0W	-4.0	72.0	2.0	90.0
300.0W	-10.0	82.0	0.0	75.0
275.0W	-4.0	78.0	2.0	80.0
250.0W	2.0	75.0	10.0	85.0
225.0W	6.0	80.0	12.0	82.0
200.0W	2.0	75.0	12.0	80.0
175.0W	4.0	85.0	10.0	90.0
150.0W	2.0	70.0	20.0	85.0
125.0W	6.0	82.0	0.0	75.0
100.0W	-2.0	78.0	0.0	80.0
75.0W	0.0	70.0	2.0	86.0
50.0W	8.0	65.0	10.0	75.0

25.0W	6.0	72.0	4.0	82.0
00.0W	2.0	80.0	-2.0	70.0

Line: 175.0N Number of Stations: 23

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
550.0W	4.0	56.0	2.0	58.0
525.0W	0.0	48.0	8.0	55.0
500.0W	-4.0	42.0	-6.0	58.0
475.0W	-2.0	40.0	-2.0	50.0
450.0W	2.0	45.0	4.0	58.0
425.0W	2.0	48.0	4.0	54.0
400.0W	0.0	50.0	-2.0	55.0
375.0W	2.0	55.0	4.0	55.0
350.0W	4.0	45.0	6.0	55.0
325.0W	4.0	50.0	4.0	50.0
300.0W	0.0	51.0	2.0	48.0
275.0W	4.0	48.0	2.0	46.0
250.0W	6.0	50.0	6.0	46.0
225.0W	4.0	42.0	6.0	46.0
200.0W	2.0	45.0	6.0	55.0
175.0W	10.0	44.0	-2.0	60.0
150.0W	6.0	45.0	6.0	65.0
125.0W	6.0	43.0	2.0	62.0
100.0W	10.0	40.0	-4.0	58.0
75.0W	8.0	40.0	0.0	56.0
50.0W	4.0	38.0	2.0	60.0
25.0W	4.0	41.0	4.0	62.0
00.0W	10.0	40.0	0.0	62.0

Line: 200.0N Number of Stations: 23

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
550.0W	0.0	60.0	-4.0	70.0
525.0W	0.0	62.0	-10.0	68.0
500.0W	6.0	50.0	-6.0	63.0
475.0W	0.0	52.0	2.0	58.0
450.0W	4.0	48.0	4.0	60.0
425.0W	6.0	48.0	2.0	60.0
400.0W	12.0	55.0	0.0	58.0
375.0W	2.0	60.0	2.0	64.0
350.0W	0.0	55.0	4.0	62.0
325.0W	2.0	54.0	-4.0	61.0
300.0W	0.0	54.0	-4.0	58.0
275.0W	0.0	50.0	0.0	55.0
250.0W	2.0	49.0	2.0	56.0
225.0W	4.0	46.0	4.0	52.0
200.0W	10.0	45.0	0.0	55.0
175.0W	12.0	48.0	4.0	55.0

150.0W	14.0	50.0	-2.0	56.0
125.0W	10.0	50.0	2.0	58.0
100.0W	12.0	45.0	-2.0	60.0
75.0W	10.0	42.0	2.0	60.0
50.0W	10.0	42.0	10.0	68.0
25.0W	12.0	43.0	12.0	70.0
00.0W	10.0	40.0	2.0	68.0

Line: 225.0N Number of Stations: 23

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
550.0W	2.0	52.0	-10.0	70.0
525.0W	0.0	55.0	-10.0	68.0
500.0W	-2.0	52.0	-8.0	65.0
475.0W	2.0	48.0	8.0	62.0
450.0W	-10.0	46.0	-2.0	60.0
425.0W	4.0	56.0	-8.0	63.0
400.0W	0.0	54.0	2.0	62.0
375.0W	-2.0	48.0	0.0	68.0
350.0W	2.0	60.0	2.0	60.0
325.0W	2.0	55.0	-4.0	68.0
300.0W	0.0	50.0	-4.0	70.0
275.0W	-2.0	45.0	0.0	65.0
250.0W	0.0	48.0	2.0	62.0
225.0W	2.0	45.0	0.0	65.0
200.0W	4.0	48.0	2.0	68.0
175.0W	4.0	50.0	2.0	68.0
150.0W	2.0	50.0	4.0	70.0
125.0W	4.0	52.0	-4.0	72.0
100.0W	10.0	40.0	4.0	62.0
75.0W	2.0	46.0	2.0	55.0
50.0W	2.0	45.0	6.0	65.0
25.0W	4.0	45.0	8.0	63.0
00.0W	8.0	48.0	6.0	62.0

Line: 250.0N Number of Stations: 23

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
550.0W	-6.0	50.0	10.0	70.0
525.0W	-4.0	52.0	-4.0	68.0
500.0W	-10.0	50.0	0.0	65.0
475.0W	0.0	50.0	-6.0	60.0
450.0W	2.0	48.0	-4.0	62.0
425.0W	4.0	50.0	-4.0	60.0
400.0W	-2.0	48.0	-10.0	58.0
375.0W	2.0	52.0	-4.0	54.0
350.0W	4.0	42.0	-2.0	58.0
325.0W	2.0	48.0	2.0	60.0
300.0W	0.0	55.0	0.0	63.0

275.0W	0.0	50.0	0.0	62.0
250.0W	0.0	50.0	0.0	62.0
225.0W	2.0	42.0	2.0	65.0
200.0W	4.0	43.0	2.0	60.0
175.0W	8.0	50.0	0.0	62.0
150.0W	6.0	52.0	4.0	68.0
125.0W	8.0	52.0	6.0	70.0
100.0W	6.0	55.0	2.0	68.0
75.0W	6.0	58.0	4.0	65.0
50.0W	8.0	50.0	2.0	56.0
25.0W	-12.0	48.0	2.0	61.0
00.0W	-8.0	48.0	6.0	60.0

Line: 275.0N Number of Stations: 24

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
575.0W	nil	nil	nil	nil
550.0W	nil	nil	2.0	65.0
525.0W	10.0	70.0	4.0	64.0
500.0W	-2.0	65.0	10.0	55.0
475.0W	8.0	62.0	4.0	50.0
450.0W	0.0	60.0	-8.0	49.0
425.0W	2.0	58.0	-8.0	50.0
400.0W	8.0	60.0	-12.0	48.0
375.0W	0.0	58.0	-4.0	50.0
350.0W	2.0	68.0	2.0	48.0
325.0W	-2.0	65.0	-2.0	50.0
300.0W	-10.0	60.0	-4.0	48.0
275.0W	-4.0	65.0	2.0	48.0
250.0W	-4.0	62.0	-2.0	55.0
225.0W	-2.0	55.0	0.0	58.0
200.0W	4.0	56.0	2.0	50.0
175.0W	4.0	55.0	0.0	52.0
150.0W	0.0	58.0	-2.0	52.0
125.0W	2.0	62.0	-4.0	52.0
100.0W	-8.0	62.0	-8.0	50.0
75.0W	-2.0	58.0	-2.0	52.0
50.0W	2.0	52.0	2.0	48.0
25.0W	6.0	45.0	0.0	50.0
00.0W	6.0	48.0	2.0	45.0

Line: 300.0N Number of Stations: 24

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
575.0W	8.0	55.0	nil	nil
550.0W	0.0	50.0	-2.0	65.0
525.0W	8.0	52.0	0.0	68.0
500.0W	0.0	48.0	-6.0	65.0
475.0W	2.0	52.0	-8.0	60.0

450.0W	0.0	50.0	-12.0	62.0
425.0W	4.0	54.0	-6.0	59.0
400.0W	-2.0	55.0	-4.0	57.0
375.0W	8.0	50.0	-8.0	50.0
350.0W	0.0	55.0	-4.0	46.0
325.0W	-6.0	54.0	2.0	51.0
300.0W	-8.0	60.0	4.0	50.0
275.0W	-6.0	55.0	0.0	48.0
250.0W	-10.0	58.0	0.0	50.0
225.0W	0.0	45.0	4.0	52.0
200.0W	-2.0	58.0	10.0	54.0
175.0W	2.0	60.0	8.0	46.0
150.0W	6.0	55.0	4.0	48.0
125.0W	4.0	45.0	4.0	58.0
100.0W	0.0	52.0	4.0	61.0
75.0W	2.0	52.0	0.0	54.0
50.0W	8.0	52.0	2.0	52.0
25.0W	10.0	48.0	4.0	50.0
00.0W	8.0	45.0	-2.0	48.0

Line: 325.0N Number of Stations: 23

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
550.0W	0.0	62.0	nil	nil
525.0W	2.0	60.0	6.0	65.0
500.0W	-2.0	58.0	0.0	60.0
475.0W	0.0	60.0	-2.0	58.0
450.0W	0.0	65.0	-8.0	60.0
425.0W	-10.0	62.0	-10.0	55.0
400.0W	-8.0	58.0	-4.0	48.0
375.0W	-4.0	60.0	-10.0	50.0
350.0W	-6.0	65.0	0.0	48.0
325.0W	-6.0	58.0	-2.0	45.0
300.0W	-10.0	60.0	-4.0	45.0
275.0W	0.0	48.0	-6.0	42.0
250.0W	2.0	45.0	-2.0	50.0
225.0W	2.0	45.0	2.0	46.0
200.0W	2.0	55.0	-2.0	45.0
175.0W	10.0	58.0	0.0	50.0
150.0W	8.0	62.0	-2.0	42.0
125.0W	8.0	60.0	-4.0	50.0
100.0W	10.0	50.0	-6.0	55.0
75.0W	6.0	64.0	-4.0	54.0
50.0W	18.0	58.0	-6.0	46.0
25.0W	10.0	60.0	-4.0	45.0
00.0W	8.0	58.0	-2.0	45.0

Line: 350.0N Number of Stations: 23

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
550.0W	nil	nil	6.0	10.0
525.0W	-2.0	50.0	10.0	10.0
500.0W	2.0	48.0	-4.0	10.0
475.0W	4.0	45.0	14.0	12.0
450.0W	0.0	42.0	10.0	10.0
425.0W	1.0	50.0	-2.0	8.0
400.0W	2.0	52.0	-2.0	10.0
375.0W	0.0	50.0	0.0	6.0
350.0W	-2.0	48.0	10.0	8.0
325.0W	0.0	50.0	20.0	10.0
300.0W	-6.0	48.0	18.0	8.0
275.0W	-2.0	45.0	12.0	6.0
250.0W	2.0	43.0	12.0	8.0
225.0W	4.0	40.0	20.0	8.0
200.0W	0.0	40.0	22.0	6.0
175.0W	2.0	38.0	16.0	5.0
150.0W	8.0	42.0	12.0	6.0
125.0W	10.0	45.0	12.0	8.0
100.0W	6.0	48.0	6.0	10.0
75.0W	10.0	52.0	12.0	8.0
50.0W	12.0	48.0	10.0	10.0
25.0W	10.0	45.0	8.0	8.0
00.0W	14.0	48.0	18.0	10.0

Line: 375.0N Number of Stations: 23

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
550.0W	8.0	48.0	nil	nil
525.0W	12.0	46.0	nil	nil
500.0W	12.0	47.0	nil	nil
475.0W	8.0	55.0	nil	nil
450.0W	4.0	52.0	nil	nil
425.0W	0.0	48.0	nil	nil
400.0W	-2.0	55.0	nil	nil
375.0W	-6.0	47.0	nil	nil
350.0W	-10.0	45.0	nil	nil
325.0W	-16.0	42.0	nil	nil
300.0W	-6.0	40.0	nil	nil
275.0W	-2.0	38.0	nil	nil
250.0W	-2.0	38.0	nil	nil
225.0W	0.0	40.0	nil	nil
200.0W	10.0	35.0	nil	nil
175.0W	16.0	55.0	nil	nil
150.0W	10.0	50.0	nil	nil
125.0W	16.0	55.0	nil	nil
100.0W	20.0	55.0	nil	nil

75.0W	8.0	58.0	nil	nil
50.0W	20.0	45.0	nil	nil
25.0W	16.0	58.0	nil	nil
00.0W	nil	nil	nil	nil

Line: 400.0N Number of Stations: 24

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
575.0W	10.0	48.0	nil	nil
550.0W	4.0	45.0	nil	nil
525.0W	0.0	48.0	nil	nil
500.0W	6.0	55.0	nil	nil
475.0W	-4.0	52.0	nil	nil
450.0W	-6.0	55.0	nil	nil
425.0W	-8.0	56.0	nil	nil
400.0W	-10.0	66.0	nil	nil
375.0W	-10.0	55.0	nil	nil
350.0W	-12.0	50.0	nil	nil
325.0W	-12.0	38.0	nil	nil
300.0W	-10.0	48.0	nil	nil
275.0W	-6.0	53.0	nil	nil
250.0W	-2.0	42.0	nil	nil
225.0W	-2.0	44.0	nil	nil
200.0W	2.0	41.0	nil	nil
175.0W	4.0	40.0	nil	nil
150.0W	10.0	40.0	nil	nil
125.0W	18.0	45.0	nil	nil
100.0W	10.0	48.0	nil	nil
75.0W	10.0	52.0	nil	nil
50.0W	6.0	55.0	nil	nil
25.0W	14.0	50.0	nil	nil
00.0W	12.0	55.0	nil	nil

Line: 425.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
500.0W	nil	nil	-4.0	55.0
475.0W	nil	nil	0.0	52.0
450.0W	nil	nil	2.0	54.0
425.0W	nil	nil	4.0	55.0
400.0W	nil	nil	-2.0	53.0
375.0W	nil	nil	-4.0	55.0
350.0W	nil	nil	-4.0	46.0
325.0W	nil	nil	-10.0	42.0
300.0W	nil	nil	-2.0	45.0
275.0W	nil	nil	-4.0	41.0
250.0W	nil	nil	-2.0	40.0
225.0W	nil	nil	0.0	41.0
200.0W	nil	nil	2.0	40.0

175.0W	nil	nil	6.0	44.0
150.0W	nil	nil	8.0	45.0
125.0W	nil	nil	2.0	125.0
100.0W	nil	nil	2.0	48.0
75.0W	nil	nil	6.0	56.0
50.0W	nil	nil	2.0	55.0
25.0W	nil	nil	0.0	56.0
00.0W	nil	nil	2.0	55.0

Line: 450.0N Number of Stations: 24

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
575.0W	nil	nil	-2.0	46.0
550.0W	nil	nil	0.0	50.0
525.0W	nil	nil	-2.0	45.0
500.0W	nil	nil	0.0	46.0
475.0W	nil	nil	0.0	47.0
450.0W	nil	nil	-2.0	50.0
425.0W	nil	nil	0.0	54.0
400.0W	nil	nil	0.0	55.0
375.0W	nil	nil	-4.0	60.0
350.0W	nil	nil	-10.0	58.0
325.0W	nil	nil	-12.0	55.0
300.0W	nil	nil	-10.0	47.0
275.0W	nil	nil	-10.0	45.0
250.0W	nil	nil	-4.0	41.0
225.0W	nil	nil	-2.0	40.0
200.0W	nil	nil	2.0	40.0
175.0W	nil	nil	6.0	45.0
150.0W	nil	nil	5.0	44.0
125.0W	nil	nil	0.0	45.0
100.0W	nil	nil	6.0	48.0
75.0W	nil	nil	10.0	52.0
50.0W	nil	nil	4.0	54.0
25.0W	nil	nil	6.0	52.0
00.0W	nil	nil	4.0	54.0

Line: 475.0N Number of Stations: 25

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
600.0W	10.0	78.0	2.0	55.0
575.0W	4.0	75.0	0.0	55.0
550.0W	5.0	71.0	2.0	52.0
525.0W	4.0	69.0	4.0	55.0
500.0W	2.0	66.0	2.0	50.0
475.0W	0.0	64.0	4.0	55.0
450.0W	-1.0	60.0	0.0	56.0
425.0W	4.0	61.0	0.0	45.0
400.0W	6.0	65.0	0.0	55.0

375.0W	3.0	74.0	-2.0	60.0
350.0W	3.0	74.0	-6.0	60.0
325.0W	-5.0	67.0	-8.0	55.0
300.0W	-4.0	60.0	-2.0	46.0
275.0W	-4.0	57.0	-8.0	45.0
250.0W	0.0	47.0	-4.0	44.0
225.0W	3.0	47.0	0.0	48.0
200.0W	10.0	44.0	-2.0	42.0
175.0W	7.0	42.0	0.0	42.0
150.0W	13.0	43.0	2.0	45.0
125.0W	11.0	47.0	6.0	45.0
100.0W	10.0	47.0	2.0	47.0
75.0W	18.0	48.0	6.0	55.0
50.0W	13.0	53.0	6.0	55.0
25.0W	11.0	56.0	0.0	56.0
00.0W	13.0	52.0	-2.0	45.0

Line: 500.0N Number of Stations: 25

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
600.0W	2.0	58.0	2.0	50.0
575.0W	2.0	51.0	-4.0	52.0
550.0W	1.0	44.0	-4.0	56.0
525.0W	-3.0	41.0	12.0	55.0
500.0W	-2.0	44.0	4.0	54.0
475.0W	0.0	45.0	2.0	52.0
450.0W	3.0	41.0	0.0	52.0
425.0W	8.0	41.0	3.0	55.0
400.0W	10.0	46.0	2.0	60.0
375.0W	3.0	48.0	-6.0	58.0
350.0W	-2.0	47.0	-8.0	60.0
325.0W	-5.0	47.0	-6.0	60.0
300.0W	-2.0	41.0	-8.0	56.0
275.0W	-6.0	41.0	-4.0	50.0
250.0W	-6.0	37.0	-2.0	53.0
225.0W	2.0	35.0	8.0	52.0
200.0W	5.0	35.0	2.0	54.0
175.0W	13.0	37.0	2.0	50.0
150.0W	7.0	37.0	4.0	48.0
125.0W	15.0	38.0	10.0	48.0
100.0W	19.0	39.0	8.0	52.0
75.0W	19.0	41.0	2.0	50.0
50.0W	18.0	56.0	4.0	60.0
25.0W	13.0	52.0	8.0	58.0
00.0W	14.0	53.0	2.0	56.0

Line: 525.0N Number of Stations: 25

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
600.0W	-2.0	51.0	4.0	58.0
575.0W	-1.0	45.0	0.0	58.0
550.0W	0.0	47.0	0.0	60.0
525.0W	0.0	46.0	0.0	62.0
500.0W	-2.0	42.0	-4.0	58.0
475.0W	-1.0	43.0	0.0	60.0
450.0W	2.0	40.0	8.0	57.0
425.0W	9.0	38.0	10.0	55.0
400.0W	11.0	45.0	2.0	62.0
375.0W	6.0	52.0	4.0	56.0
350.0W	3.0	53.0	4.0	52.0
325.0W	-3.0	47.0	-2.0	58.0
300.0W	-4.0	47.0	0.0	60.0
275.0W	-7.0	46.0	2.0	58.0
250.0W	-10.0	35.0	10.0	52.0
225.0W	-2.0	34.0	8.0	52.0
200.0W	5.0	34.0	8.0	52.0
175.0W	8.0	35.0	6.0	55.0
150.0W	4.0	35.0	6.0	58.0
125.0W	12.0	35.0	4.0	54.0
100.0W	17.0	34.0	6.0	53.0
75.0W	24.0	34.0	12.0	55.0
50.0W	22.0	45.0	6.0	65.0
25.0W	15.0	52.0	10.0	60.0
00.0W	15.0	52.0	6.0	55.0

Line: 550.0N Number of Stations: 26

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
625.0W	nil	nil	nil	nil
600.0W	-1.0	55.0	2.0	46.0
575.0W	2.0	55.0	6.0	46.0
550.0W	1.0	51.0	6.0	45.0
525.0W	-2.0	53.0	0.0	50.0
500.0W	0.0	52.0	4.0	50.0
475.0W	2.0	47.0	12.0	46.0
450.0W	6.0	45.0	4.0	45.0
425.0W	14.0	45.0	6.0	43.0
400.0W	8.0	55.0	2.0	53.0
375.0W	5.0	59.0	2.0	50.0
350.0W	0.0	48.0	-2.0	58.0
325.0W	-4.0	51.0	0.0	56.0
300.0W	-6.0	50.0	-2.0	50.0
275.0W	-12.0	41.0	0.0	42.0
250.0W	5.0	31.0	2.0	40.0
225.0W	4.0	32.0	6.0	42.0

200.0W	11.0	35.0	8.0	46.0
175.0W	6.0	38.0	12.0	45.0
150.0W	10.0	32.0	10.0	50.0
125.0W	17.0	32.0	0.0	52.0
100.0W	20.0	35.0	8.0	48.0
75.0W	26.0	36.0	12.0	45.0
50.0W	21.0	45.0	16.0	50.0
25.0W	14.0	48.0	12.0	56.0
00.0W	13.0	52.0	4.0	45.0

Line: 575.0N Number of Stations: 27

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
650.0W	nil	nil	nil	nil
625.0W	nil	nil	nil	nil
600.0W	71.0	0.0	2.0	45.0
575.0W	6.0	62.0	0.0	50.0
550.0W	3.0	64.0	4.0	52.0
525.0W	5.0	70.0	-2.0	55.0
500.0W	0.0	67.0	-2.0	55.0
475.0W	2.0	72.0	-4.0	50.0
450.0W	5.0	63.0	2.0	48.0
425.0W	3.0	71.0	8.0	48.0
400.0W	9.0	63.0	12.0	56.0
375.0W	7.0	77.0	4.0	58.0
350.0W	4.0	79.0	-4.0	58.0
325.0W	-2.0	74.0	-4.0	56.0
300.0W	-2.0	69.0	0.0	56.0
275.0W	-5.0	72.0	-2.0	55.0
250.0W	-10.0	56.0	-4.0	43.0
225.0W	0.0	45.0	-6.0	40.0
200.0W	11.0	49.0	8.0	45.0
175.0W	4.0	50.0	10.0	48.0
150.0W	14.0	43.0	10.0	48.0
125.0W	14.0	49.0	8.0	50.0
100.0W	18.0	50.0	6.0	58.0
75.0W	20.0	3.0	4.0	60.0
50.0W	22.0	57.0	12.0	58.0
25.0W	18.0	68.0	0.0	63.0
00.0W	15.0	74.0	0.0	58.0

Line: 600.0N Number of Stations: 25

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
600.0W	nil	nil	nil	nil
575.0W	nil	nil	2.0	50.0
550.0W	nil	nil	0.0	48.0
525.0W	nil	nil	2.0	55.0
500.0W	nil	nil	-6.0	58.0

475.0W	nil	nil	8.0	56.0
450.0W	nil	nil	0.0	53.0
425.0W	3.0	64.0	-2.0	50.0
400.0W	7.0	62.0	6.0	48.0
375.0W	4.0	64.0	0.0	55.0
350.0W	1.0	72.0	2.0	56.0
325.0W	0.0	64.0	0.0	55.0
300.0W	2.0	63.0	2.0	62.0
275.0W	-5.0	69.0	-8.0	60.0
250.0W	-4.0	56.0	-4.0	56.0
225.0W	0.0	47.0	-2.0	50.0
200.0W	8.0	50.0	4.0	46.0
175.0W	6.0	46.0	8.0	45.0
150.0W	11.0	44.0	6.0	45.0
125.0W	16.0	42.0	2.0	42.0
100.0W	20.0	48.0	4.0	42.0
75.0W	17.0	57.0	8.0	50.0
50.0W	20.0	53.0	14.0	48.0
25.0W	2.0	63.0	10.0	54.0
00.0W	19.0	73.0	8.0	58.0

Line: 625.0N Number of Stations: 49

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.0W	-10.0	92.0	3.0	40.0
1175.0W	-8.0	85.0	-3.0	39.0
1150.0W	-12.0	80.0	-2.0	41.0
1125.0W	-20.0	75.0	0.0	41.0
1100.0W	-16.0	63.0	-2.0	38.0
1075.0W	-12.0	61.0	0.0	41.0
1050.0W	-10.0	62.0	1.0	43.0
1025.0W	-4.0	58.0	0.0	43.0
1000.0W	2.0	60.0	2.0	40.0
975.0W	0.0	58.0	0.0	41.0
950.0W	6.0	76.0	3.0	43.0
925.0W	-6.0	75.0	-3.0	42.0
900.0W	-8.0	75.0	-1.0	40.0
875.0W	-4.0	74.0	-1.0	38.0
850.0W	0.0	75.0	0.0	39.0
825.0W	6.0	77.0	-3.0	41.0
800.0W	14.0	68.0	-1.0	41.0
775.0W	10.0	80.0	1.0	42.0
750.0W	12.0	85.0	0.0	44.0
725.0W	4.0	82.0	-4.0	49.0
700.0W	2.0	78.0	-2.0	50.0
675.0W	nil	nil	nil	nil
650.0W	nil	nil	nil	nil
625.0W	-4.0	80.0	nil	nil
600.0W	0.0	78.0	2.0	53.0
575.0W	6.0	72.0	0.0	50.0

550.0W	8.0	76.0	4.0	53.0
525.0W	15.0	68.0	8.0	55.0
500.0W	9.0	88.0	-2.0	58.0
475.0W	4.0	90.0	-6.0	55.0
450.0W	4.0	85.0	-2.0	45.0
425.0W	0.0	80.0	-2.0	54.0
400.0W	3.0	64.0	-4.0	50.0
375.0W	6.0	63.0	0.0	50.0
350.0W	0.0	78.0	0.0	55.0
325.0W	-1.0	75.0	4.0	50.0
300.0W	4.0	74.0	-2.0	52.0
275.0W	0.0	73.0	-4.0	52.0
250.0W	-4.0	64.0	-4.0	50.0
225.0W	-3.0	60.0	-2.0	48.0
200.0W	5.0	48.0	-6.0	42.0
175.0W	9.0	50.0	-2.0	45.0
150.0W	10.0	53.0	0.0	44.0
125.0W	15.0	50.0	8.0	45.0
100.0W	18.0	54.0	10.0	45.0
75.0W	17.0	68.0	10.0	50.0
50.0W	20.0	63.0	12.0	48.0
25.0W	22.0	69.0	12.0	55.0
00.0W	20.0	65.0	8.0	55.0

Line: 650.0N Number of Stations: 50

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1225.0W	nil	nil	nil	nil
1200.0W	-8.0	90.0	-6.0	42.0
1175.0W	-10.0	85.0	-6.0	39.0
1150.0W	-14.0	62.0	-4.0	40.0
1125.0W	-10.0	61.0	-6.0	38.0
1100.0W	-10.0	58.0	-3.0	37.0
1075.0W	-6.0	55.0	-1.0	35.0
1050.0W	-4.0	52.0	1.0	39.0
1025.0W	6.0	58.0	0.0	42.0
1000.0W	10.0	54.0	1.0	41.0
975.0W	12.0	75.0	-1.0	38.0
950.0W	6.0	80.0	0.0	40.0
925.0W	0.0	75.0	-1.0	38.0
900.0W	4.0	65.0	-3.0	34.0
875.0W	6.0	63.0	-1.0	33.0
850.0W	6.0	66.0	-2.0	39.0
825.0W	8.0	58.0	0.0	38.0
800.0W	12.0	60.0	-6.0	34.0
775.0W	18.0	65.0	-3.0	38.0
750.0W	2.0	77.0	-4.0	39.0
725.0W	0.0	70.0	-1.0	38.0
700.0W	2.0	65.0	-4.0	38.0
675.0W	nil	nil	nil	nil

650.0W	nil	nil	nil	nil
625.0W	4.0	75.0	nil	nil
600.0W	1.0	73.0	-4.0	48.0
575.0W	6.0	71.0	0.0	50.0
550.0W	13.0	63.0	6.0	48.0
525.0W	10.0	78.0	4.0	55.0
500.0W	6.0	82.0	-6.0	55.0
475.0W	6.0	80.0	-2.0	56.0
450.0W	1.0	73.0	0.0	55.0
425.0W	0.0	68.0	-4.0	50.0
400.0W	0.0	73.0	2.0	50.0
375.0W	2.0	69.0	4.0	55.0
350.0W	1.0	70.0	-6.0	50.0
325.0W	2.0	64.0	-4.0	55.0
300.0W	4.0	72.0	-6.0	50.0
275.0W	-1.0	64.0	-2.0	58.0
250.0W	1.0	58.0	0.0	52.0
225.0W	1.0	57.0	0.0	52.0
200.0W	5.0	52.0	6.0	50.0
175.0W	7.0	54.0	-2.0	46.0
150.0W	8.0	53.0	-4.0	45.0
125.0W	16.0	50.0	6.0	40.0
100.0W	18.0	51.0	8.0	45.0
75.0W	21.0	53.0	8.0	42.0
50.0W	18.0	61.0	6.0	45.0
25.0W	21.0	61.0	10.0	45.0
00.0W	21.0	66.0	12.0	48.0

Line: 675.ON Number of Stations: 50

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1225.0W	nil	nil	nil	nil
1200.0W	-12.0	74.0	-7.0	42.0
1175.0W	-12.0	75.0	-6.0	40.0
1150.0W	-20.0	58.0	-9.0	34.0
1125.0W	-18.0	60.0	-6.0	30.0
1100.0W	-10.0	55.0	-5.0	34.0
1075.0W	2.0	56.0	0.0	34.0
1050.0W	0.0	55.0	-3.0	37.0
1025.0W	6.0	50.0	0.0	38.0
1000.0W	10.0	55.0	-2.0	38.0
975.0W	4.0	58.0	0.0	40.0
950.0W	-4.0	62.0	1.0	38.0
925.0W	-2.0	63.0	-4.0	37.0
900.0W	-6.0	58.0	-6.0	37.0
875.0W	4.0	60.0	-3.0	37.0
850.0W	2.0	63.0	-2.0	38.0
825.0W	0.0	60.0	-3.0	40.0
800.0W	4.0	58.0	-3.0	38.0
775.0W	8.0	74.0	0.0	39.0

750.0W	4.0	85.0	0.0	39.0
725.0W	-6.0	74.0	0.0	37.0
700.0W	0.0	75.0	0.0	39.0
675.0W	nil	nil	nil	nil
650.0W	nil	nil	nil	nil
625.0W	3.0	81.0	-1.0	38.0
600.0W	4.0	69.0	0.0	43.0
575.0W	10.0	61.0	3.0	49.0
550.0W	10.0	78.0	1.0	47.0
525.0W	5.0	79.0	0.0	49.0
500.0W	1.0	80.0	2.0	47.0
475.0W	0.0	78.0	0.0	46.0
450.0W	0.0	81.0	0.0	49.0
425.0W	-1.0	73.0	-1.0	48.0
400.0W	2.0	69.0	1.0	52.0
375.0W	4.0	75.0	2.0	47.0
350.0W	6.0	76.0	2.0	49.0
325.0W	0.0	74.0	-2.0	47.0
300.0W	-2.0	72.0	-1.0	45.0
275.0W	-2.0	63.0	0.0	47.0
250.0W	0.0	61.0	1.0	46.0
225.0W	1.0	62.0	-2.0	45.0
200.0W	6.0	58.0	-1.0	39.0
175.0W	2.0	62.0	-1.0	39.0
150.0W	10.0	61.0	3.0	35.0
125.0W	13.0	53.0	6.0	32.0
100.0W	17.0	50.0	8.0	31.0
75.0W	23.0	61.0	12.0	33.0
50.0W	21.0	62.0	10.0	38.0
25.0W	24.0	63.0	16.0	36.0
00.0W	25.0	66.0	15.0	43.0

Line: 700.ON Number of Stations: 50

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1225.0W	nil	nil	nil	nil
1200.0W	-6.0	72.0	-5.0	39.0
1175.0W	4.0	62.0	-3.0	38.0
1150.0W	-6.0	62.0	-10.0	39.0
1125.0W	-8.0	64.0	-6.0	34.0
1100.0W	-8.0	48.0	0.0	36.0
1075.0W	-4.0	50.0	2.0	34.0
1050.0W	-2.0	50.0	3.0	37.0
1025.0W	4.0	48.0	5.0	34.0
1000.0W	-8.0	46.0	7.0	38.0
975.0W	10.0	65.0	6.0	42.0
950.0W	8.0	58.0	3.0	42.0
925.0W	8.0	65.0	0.0	38.0
900.0W	-4.0	58.0	1.0	38.0
875.0W	-2.0	53.0	0.0	35.0

850.0W	4.0	60.0	0.0	37.0
825.0W	-2.0	58.0	2.0	38.0
800.0W	6.0	55.0	1.0	36.0
775.0W	-8.0	60.0	1.0	34.0
750.0W	-10.0	75.0	-2.0	36.0
725.0W	-6.0	72.0	0.0	34.0
700.0W	0.0	58.0	2.0	34.0
675.0W	nil	nil	nil	nil
650.0W	3.0	54.0	0.0	43.0
625.0W	3.0	50.0	-1.0	44.0
600.0W	8.0	44.0	2.0	45.0
575.0W	8.0	70.0	4.0	44.0
550.0W	8.0	85.0	3.0	44.0
525.0W	0.0	82.0	0.0	44.0
500.0W	-3.0	82.0	1.0	42.0
475.0W	-4.0	76.0	1.0	39.0
450.0W	-2.0	70.0	0.0	41.0
425.0W	0.0	69.0	3.0	40.0
400.0W	4.0	75.0	2.0	42.0
375.0W	4.0	71.0	2.0	44.0
350.0W	0.0	73.0	-2.0	44.0
325.0W	-4.0	57.0	0.0	41.0
300.0W	-4.0	57.0	0.0	37.0
275.0W	2.0	53.0	4.0	37.0
250.0W	2.0	51.0	5.0	41.0
225.0W	2.0	53.0	0.0	42.0
200.0W	11.0	50.0	3.0	41.0
175.0W	10.0	58.0	0.0	43.0
150.0W	14.0	46.0	-1.0	35.0
125.0W	16.0	43.0	1.0	36.0
100.0W	22.0	44.0	6.0	34.0
75.0W	23.0	49.0	7.0	35.0
50.0W	25.0	50.0	10.0	38.0
25.0W	24.0	60.0	11.0	41.0
00.0W	27.0	62.0	16.0	38.0

Line: 725.0N Number of Stations: 50

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1225.0W	nil	nil	nil	nil
1200.0W	-10.0	63.0	-3.0	51.0
1175.0W	-10.0	62.0	-5.0	43.0
1150.0W	-20.0	60.0	-5.0	46.0
1125.0W	-14.0	nil	-5.0	45.0
1100.0W	-12.0	47.0	0.0	41.0
1075.0W	-8.0	44.0	0.0	38.0
1050.0W	-4.0	43.0	-2.0	38.0
1025.0W	4.0	45.0	0.0	40.0
1000.0W	6.0	48.0	2.0	35.0
975.0W	4.0	54.0	2.0	36.0

950.0W	-2.0	60.0	2.0	41.0
925.0W	-4.0	60.0	-1.0	37.0
900.0W	0.0	52.0	-3.0	39.0
875.0W	-6.0	58.0	-2.0	36.0
850.0W	-10.0	55.0	-1.0	35.0
825.0W	0.0	54.0	1.0	34.0
800.0W	0.0	54.0	0.0	37.0
775.0W	2.0	62.0	-1.0	36.0
750.0W	-2.0	70.0	0.0	37.0
725.0W	-10.0	62.0	1.0	36.0
700.0W	-8.0	54.0	2.0	35.0
675.0W	0.0	43.0	0.0	23.0
650.0W	0.0	43.0	2.0	24.0
625.0W	2.0	44.0	4.0	24.0
600.0W	5.0	42.0	8.0	25.0
575.0W	8.0	44.0	8.0	25.0
550.0W	5.0	54.0	7.0	25.0
525.0W	1.0	53.0	3.0	25.0
500.0W	-2.0	54.0	0.0	24.0
475.0W	-2.0	54.0	0.0	24.0
450.0W	-2.0	44.0	0.0	23.0
425.0W	-1.0	40.0	0.0	23.0
400.0W	3.0	43.0	1.0	23.0
375.0W	2.0	45.0	0.0	24.0
350.0W	0.0	48.0	-1.0	23.0
325.0W	-5.0	45.0	-6.0	23.0
300.0W	-5.0	38.0	-2.0	21.0
275.0W	0.0	33.0	-4.0	20.0
250.0W	7.0	35.0	-1.0	20.0
225.0W	9.0	33.0	0.0	22.0
200.0W	15.0	34.0	4.0	21.0
175.0W	13.0	34.0	-2.0	24.0
150.0W	16.0	33.0	0.0	19.0
125.0W	18.0	31.0	3.0	19.0
100.0W	22.0	31.0	5.0	19.0
75.0W	21.0	34.0	9.0	20.0
50.0W	22.0	36.0	10.0	21.0
25.0W	23.0	35.0	11.0	20.0
00.0W	25.0	33.0	13.0	20.0

Line: 750.0N Number of Stations: 49

Station	Seattle		Laulaulei	
	Dip	Angle	Field Str.	Field Str.
1200.0W	-10.0	75.0	-1.0	41.0
1175.0W	-8.0	64.0	-3.0	40.0
1150.0W	-10.0	45.0	-3.0	40.0
1125.0W	-12.0	42.0	1.0	37.0
1100.0W	-6.0	42.0	0.0	41.0
1075.0W	-2.0	45.0	2.0	44.0
1050.0W	4.0	44.0	2.0	44.0

1025.0W	4.0	46.0	2.0	42.0
1000.0W	10.0	52.0	3.0	44.0
975.0W	8.0	60.0	5.0	41.0
950.0W	6.0	60.0	6.0	47.0
925.0W	4.0	62.0	3.0	48.0
900.0W	0.0	55.0	2.0	49.0
875.0W	0.0	62.0	0.0	47.0
850.0W	-2.0	58.0	-1.0	48.0
825.0W	4.0	55.0	1.0	48.0
800.0W	10.0	61.0	4.0	49.0
775.0W	0.0	78.0	3.0	47.0
750.0W	-4.0	60.0	6.0	47.0
725.0W	-6.0	50.0	10.0	48.0
700.0W	-4.0	48.0	5.0	52.0
675.0W	nil	nil	nil	nil
650.0W	-1.0	38.0	5.0	27.0
625.0W	1.0	39.0	4.0	27.0
600.0W	4.0	41.0	7.0	27.0
575.0W	5.0	46.0	8.0	29.0
550.0W	4.0	43.0	5.0	28.0
525.0W	2.0	48.0	3.0	26.0
500.0W	1.0	46.0	-1.0	26.0
475.0W	-1.0	43.0	0.0	26.0
450.0W	0.0	45.0	-3.0	25.0
425.0W	2.0	40.0	0.0	25.0
400.0W	5.0	46.0	0.0	25.0
375.0W	5.0	45.0	1.0	25.0
350.0W	1.0	46.0	-3.0	27.0
325.0W	-4.0	34.0	-7.0	25.0
300.0W	-2.0	38.0	-2.0	22.0
275.0W	3.0	34.0	2.0	22.0
250.0W	7.0	37.0	-1.0	22.0
225.0W	12.0	29.0	2.0	22.0
200.0W	14.0	35.0	7.0	24.0
175.0W	9.0	35.0	-3.0	25.0
150.0W	14.0	30.0	2.0	25.0
125.0W	23.0	33.0	8.0	22.0
100.0W	21.0	32.0	7.0	20.0
75.0W	24.0	36.0	9.0	20.0
50.0W	26.0	35.0	10.0	21.0
25.0W	27.0	36.0	12.0	21.0
00.0W	27.0	36.0	8.0	21.0

Line: 775.0N Number of Stations: 49

Station	Seattle		Laulaulei	
	Dip Angle	Field Str.	Dip Angle	Field Str.
1200.0W	-10.0	55.0	-5.0	48.0
1175.0W	-18.0	40.0	-11.0	47.0
1150.0W	-10.0	38.0	-6.0	40.0
1125.0W	-4.0	38.0	-2.0	41.0

1100.0W	-4.0	40.0	0.0	41.0
1075.0W	-2.0	40.0	-1.0	40.0
1050.0W	0.0	45.0	2.0	43.0
1025.0W	8.0	48.0	1.0	48.0
1000.0W	0.0	58.0	4.0	45.0
975.0W	-4.0	50.0	3.0	42.0
950.0W	-4.0	52.0	5.0	47.0
925.0W	0.0	53.0	3.0	50.0
900.0W	0.0	55.0	1.0	52.0
875.0W	-4.0	60.0	-1.0	48.0
850.0W	-6.0	50.0	-1.0	45.0
825.0W	0.0	52.0	2.0	41.0
800.0W	8.0	60.0	4.0	38.0
775.0W	-8.0	62.0	1.0	43.0
750.0W	-12.0	55.0	3.0	38.0
725.0W	-8.0	42.0	5.0	41.0
700.0W	-2.0	42.0	7.0	42.0
675.0W	-2.0	44.0	6.0	25.0
650.0W	-1.0	42.0	7.0	26.0
625.0W	4.0	38.0	10.0	38.0
600.0W	5.0	48.0	7.0	30.0
575.0W	6.0	45.0	7.0	35.0
550.0W	5.0	57.0	7.0	35.0
525.0W	5.0	62.0	3.0	35.0
500.0W	2.0	57.0	0.0	35.0
475.0W	1.0	58.0	0.0	35.0
450.0W	-1.0	57.0	-2.0	33.0
425.0W	4.0	49.0	0.0	30.0
400.0W	2.0	54.0	-3.0	32.0
375.0W	3.0	50.0	2.0	34.0
350.0W	3.0	57.0	2.0	35.0
325.0W	-3.0	51.0	-3.0	35.0
300.0W	-3.0	46.0	-5.0	33.0
275.0W	7.0	42.0	1.0	34.0
250.0W	7.0	40.0	-1.0	33.0
225.0W	7.0	42.0	-2.0	35.0
200.0W	13.0	42.0	3.0	32.0
175.0W	10.0	40.0	3.0	32.0
150.0W	15.0	43.0	4.0	33.0
125.0W	16.0	43.0	2.0	30.0
100.0W	16.0	44.0	4.0	28.0
75.0W	23.0	40.0	7.0	28.0
50.0W	24.0	45.0	8.0	28.0
25.0W	24.0	45.0	12.0	31.0
00.0W	23.0	50.0	9.0	33.0

Line: 800.0N Number of Stations: 50

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1225.0W	nil	nil	nil	nil
1200.0W	-8.0	50.0	-10.0	45.0
1175.0W	-10.0	40.0	-11.0	44.0
1150.0W	0.0	35.0	-8.0	38.0
1125.0W	6.0	36.0	-5.0	37.0
1100.0W	8.0	40.0	-2.0	38.0
1075.0W	6.0	44.0	0.0	38.0
1050.0W	6.0	45.0	1.0	37.0
1025.0W	10.0	50.0	2.0	38.0
1000.0W	8.0	51.0	1.0	41.0
975.0W	10.0	48.0	3.0	39.0
950.0W	8.0	50.0	5.0	42.0
925.0W	12.0	52.0	2.0	45.0
900.0W	10.0	50.0	2.0	43.0
875.0W	0.0	53.0	-1.0	42.0
850.0W	2.0	46.0	-3.0	42.0
825.0W	0.0	50.0	2.0	38.0
800.0W	2.0	54.0	5.0	36.0
775.0W	-10.0	52.0	4.0	41.0
750.0W	-8.0	40.0	0.0	37.0
725.0W	-8.0	40.0	4.0	37.0
700.0W	-1.0	45.0	3.0	34.0
675.0W	0.0	41.0	4.0	35.0
650.0W	5.0	38.0	10.0	32.0
625.0W	6.0	41.0	6.0	33.0
600.0W	12.0	44.0	8.0	38.0
575.0W	6.0	49.0	7.0	35.0
550.0W	7.0	50.0	5.0	38.0
525.0W	7.0	47.0	3.0	38.0
500.0W	2.0	58.0	2.0	39.0
475.0W	2.0	53.0	-2.0	40.0
450.0W	1.0	50.0	0.0	40.0
425.0W	5.0	50.0	0.0	38.0
400.0W	0.0	51.0	-2.0	38.0
375.0W	4.0	47.0	0.0	42.0
350.0W	2.0	52.0	0.0	42.0
325.0W	0.0	42.0	-3.0	36.0
300.0W	2.0	48.0	-2.0	38.0
275.0W	10.0	45.0	0.0	31.0
250.0W	8.0	37.0	4.0	32.0
225.0W	10.0	45.0	1.0	35.0
200.0W	13.0	39.0	2.0	33.0
175.0W	11.0	44.0	0.0	28.0
150.0W	17.0	42.0	0.0	28.0
125.0W	18.0	39.0	2.0	27.0
100.0W	20.0	40.0	1.0	29.0
75.0W	21.0	41.0	4.0	28.0

50.0W	22.0	41.0	7.0	27.0
25.0W	26.0	42.0	10.0	28.0
00.0W	27.0	46.0	15.0	31.0

Line: 825.0N Number of Stations: 50

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1225.0W	nil	nil	nil	nil
1200.0W	-14.0	60.0	-15.0	53.0
1175.0W	-12.0	40.0	-21.0	52.0
1150.0W	-10.0	46.0	-9.0	42.0
1125.0W	0.0	50.0	-7.0	39.0
1100.0W	6.0	50.0	-5.0	39.0
1075.0W	6.0	55.0	0.0	35.0
1050.0W	4.0	60.0	0.0	37.0
1025.0W	4.0	62.0	1.0	37.0
1000.0W	8.0	62.0	4.0	36.0
975.0W	2.0	55.0	4.0	41.0
950.0W	10.0	58.0	4.0	41.0
925.0W	12.0	58.0	2.0	43.0
900.0W	8.0	62.0	4.0	47.0
875.0W	0.0	62.0	2.0	50.0
850.0W	0.0	55.0	-1.0	40.0
825.0W	-4.0	61.0	0.0	40.0
800.0W	-8.0	56.0	2.0	38.0
775.0W	-10.0	52.0	1.0	40.0
750.0W	-12.0	42.0	3.0	39.0
725.0W	-10.0	45.0	4.0	33.0
700.0W	-4.0	40.0	3.0	34.0
675.0W	0.0	44.0	9.0	35.0
650.0W	4.0	39.0	7.0	35.0
625.0W	8.0	47.0	9.0	35.0
600.0W	8.0	53.0	7.0	40.0
575.0W	6.0	60.0	6.0	38.0
550.0W	6.0	57.0	5.0	40.0
525.0W	4.0	63.0	5.0	42.0
500.0W	4.0	52.0	3.0	40.0
475.0W	0.0	46.0	3.0	41.0
450.0W	2.0	53.0	2.0	41.0
425.0W	0.0	53.0	-1.0	42.0
400.0W	3.0	46.0	3.0	43.0
375.0W	3.0	48.0	3.0	38.0
350.0W	2.0	43.0	2.0	41.0
325.0W	0.0	46.0	5.0	46.0
300.0W	6.0	47.0	4.0	40.0
275.0W	6.0	43.0	-2.0	33.0
250.0W	11.0	39.0	-1.0	38.0
225.0W	11.0	38.0	0.0	33.0
200.0W	17.0	38.0	2.0	37.0
175.0W	17.0	42.0	-1.0	35.0

150.0W	16.0	44.0	0.0	37.0
125.0W	19.0	38.0	0.0	35.0
100.0W	22.0	37.0	3.0	33.0
75.0W	20.0	43.0	4.0	32.0
50.0W	25.0	38.0	9.0	31.0
25.0W	26.0	42.0	12.0	31.0
00.0W	28.0	41.0	15.0	31.0

Line: 850.0N Number of Stations: 49

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.0W	-10.0	56.0	6.0	3.0
1175.0W	-6.0	50.0	3.0	41.0
1150.0W	-4.0	54.0	2.0	42.0
1125.0W	0.0	55.0	-5.0	47.0
1100.0W	0.0	56.0	-2.0	45.0
1075.0W	6.0	62.0	1.0	38.0
1050.0W	8.0	70.0	0.0	41.0
1025.0W	0.0	72.0	1.0	38.0
1000.0W	-2.0	62.0	4.0	41.0
975.0W	0.0	60.0	7.0	46.0
950.0W	8.0	65.0	6.0	46.0
925.0W	10.0	62.0	5.0	44.0
900.0W	6.0	62.0	7.0	46.0
875.0W	-4.0	60.0	3.0	48.0
850.0W	-10.0	62.0	3.0	41.0
825.0W	-2.0	62.0	2.0	35.0
800.0W	-10.0	63.0	1.0	35.0
775.0W	-10.0	60.0	8.0	33.0
750.0W	-8.0	50.0	5.0	37.0
725.0W	-8.0	48.0	nil	nil
700.0W	-4.0	50.0	0.0	32.0
675.0W	3.0	33.0	3.0	30.0
650.0W	9.0	41.0	6.0	30.0
625.0W	12.0	45.0	9.0	33.0
600.0W	10.0	53.0	7.0	36.0
575.0W	7.0	55.0	4.0	38.0
550.0W	3.0	60.0	2.0	36.0
525.0W	2.0	53.0	2.0	36.0
500.0W	2.0	47.0	3.0	36.0
475.0W	0.0	43.0	5.0	37.0
450.0W	2.0	43.0	6.0	36.0
425.0W	2.0	41.0	6.0	38.0
400.0W	5.0	44.0	3.0	41.0
375.0W	6.0	38.0	2.0	42.0
350.0W	7.0	41.0	2.0	42.0
325.0W	14.0	42.0	5.0	41.0
300.0W	8.0	47.0	0.0	48.0
275.0W	10.0	42.0	-1.0	40.0
250.0W	10.0	42.0	-4.0	43.0

225.0W	11.0	39.0	-5.0	41.0
200.0W	20.0	38.0	-1.0	39.0
175.0W	19.0	42.0	2.0	39.0
150.0W	17.0	41.0	-4.0	41.0
125.0W	18.0	45.0	0.0	36.0
100.0W	20.0	40.0	-3.0	30.0
75.0W	22.0	38.0	4.0	30.0
50.0W	28.0	36.0	5.0	30.0
25.0W	26.0	41.0	7.0	30.0
00.0W	29.0	48.0	11.0	32.0

Line: 875.0N Number of Stations: 49

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.0W	-4.0	58.0	-3.0	78.0
1175.0W	-4.0	52.0	-3.0	59.0
1150.0W	-6.0	60.0	-4.0	48.0
1125.0W	-4.0	52.0	-1.0	48.0
1100.0W	-2.0	58.0	0.0	43.0
1075.0W	-4.0	65.0	-2.0	41.0
1050.0W	0.0	75.0	2.0	39.0
1025.0W	-8.0	60.0	3.0	36.0
1000.0W	-10.0	61.0	-13.0	36.0
975.0W	2.0	58.0	10.0	38.0
950.0W	4.0	60.0	9.0	42.0
925.0W	0.0	62.0	8.0	42.0
900.0W	6.0	61.0	11.0	39.0
875.0W	2.0	62.0	7.0	46.0
850.0W	0.0	63.0	2.0	41.0
825.0W	0.0	62.0	0.0	38.0
800.0W	-8.0	62.0	1.0	36.0
775.0W	-16.0	56.0	1.0	36.0
750.0W	-10.0	50.0	0.0	34.0
725.0W	0.0	42.0	-2.0	33.0
700.0W	0.0	39.0	0.0	31.0
675.0W	3.0	37.0	0.0	32.0
650.0W	10.0	40.0	7.0	28.0
625.0W	12.0	46.0	6.0	31.0
600.0W	8.0	53.0	5.0	34.0
575.0W	5.0	48.0	3.0	35.0
550.0W	3.0	52.0	0.0	35.0
525.0W	3.0	48.0	4.0	35.0
500.0W	-1.0	45.0	4.0	33.0
475.0W	0.0	39.0	4.0	34.0
450.0W	0.0	39.0	2.0	37.0
425.0W	6.0	42.0	3.0	41.0
400.0W	2.0	40.0	3.0	40.0
375.0W	7.0	38.0	1.0	38.0
350.0W	11.0	37.0	1.0	40.0
325.0W	11.0	38.0	2.0	42.0

300.0W	13.0	41.0	1.0	42.0
275.0W	6.0	42.0	1.0	43.0
250.0W	7.0	34.0	0.0	42.0
225.0W	9.0	37.0	-1.0	43.0
200.0W	18.0	39.0	0.0	45.0
175.0W	17.0	38.0	3.0	50.0
150.0W	15.0	40.0	0.0	50.0
125.0W	19.0	40.0	-4.0	47.0
100.0W	24.0	31.0	-7.0	37.0
75.0W	24.0	34.0	-7.0	36.0
50.0W	29.0	33.0	4.0	30.0
25.0W	35.0	32.0	0.0	30.0
00.0W	36.0	40.0	3.0	33.0

Line: 900.0N Number of Stations: 44

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1075.0W	-2.0	55.0	nil	nil
1050.0W	0.0	58.0	-4.0	42.0
1025.0W	-6.0	61.0	-3.0	40.0
1000.0W	-4.0	60.0	-3.0	42.0
975.0W	-8.0	58.0	2.0	34.0
950.0W	-8.0	54.0	4.0	37.0
925.0W	-4.0	58.0	8.0	40.0
900.0W	-8.0	50.0	11.0	37.0
875.0W	0.0	62.0	12.0	53.0
850.0W	-6.0	61.0	6.0	48.0
825.0W	-10.0	55.0	0.0	53.0
800.0W	-10.0	48.0	-1.0	44.0
775.0W	-12.0	45.0	2.0	41.0
750.0W	0.0	46.0	4.0	48.0
725.0W	2.0	36.0	nil	nil
700.0W	2.0	32.0	nil	nil
675.0W	6.0	36.0	nil	nil
650.0W	12.0	39.0	nil	nil
625.0W	9.0	44.0	nil	nil
600.0W	5.0	43.0	nil	nil
575.0W	0.0	53.0	nil	nil
550.0W	-2.0	38.0	nil	nil
525.0W	-6.0	41.0	nil	nil
500.0W	-3.0	38.0	nil	nil
475.0W	-2.0	36.0	nil	nil
450.0W	0.0	35.0	nil	nil
425.0W	6.0	34.0	nil	nil
400.0W	8.0	35.0	nil	nil
375.0W	9.0	38.0	nil	nil
350.0W	12.0	36.0	nil	nil
325.0W	15.0	36.0	nil	nil
300.0W	11.0	42.0	nil	nil
275.0W	8.0	42.0	nil	nil

250.0W	10.0	36.0	nil	nil
225.0W	13.0	34.0	nil	nil
200.0W	17.0	29.0	nil	nil
175.0W	2.0	29.0	nil	nil
150.0W	16.0	42.0	nil	nil
125.0W	17.0	32.0	nil	nil
100.0W	19.0	32.0	nil	nil
75.0W	30.0	32.0	nil	nil
50.0W	32.0	33.0	nil	nil
25.0W	28.0	38.0	nil	nil
00.0W	32.0	42.0	nil	nil

Line: 925.0N Number of Stations: 41

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1000.0W	-6.0	63.0	-2.0	48.0
975.0W	-8.0	64.0	-7.0	45.0
950.0W	-10.0	68.0	-2.0	39.0
925.0W	-8.0	68.0	-2.0	42.0
900.0W	-6.0	62.0	8.0	40.0
875.0W	-2.0	55.0	11.0	42.0
850.0W	2.0	60.0	4.0	45.0
825.0W	4.0	70.0	-3.0	44.0
800.0W	0.0	75.0	-3.0	42.0
775.0W	-6.0	64.0	0.0	43.0
750.0W	-4.0	56.0	nil	nil
725.0W	0.0	62.0	-2.0	22.0
700.0W	8.0	57.0	0.0	21.0
675.0W	10.0	58.0	-3.0	19.0
650.0W	16.0	59.0	0.0	19.0
625.0W	13.0	64.0	2.0	18.0
600.0W	5.0	76.0	0.0	19.0
575.0W	-2.0	73.0	0.0	20.0
550.0W	-3.0	71.0	1.0	18.0
525.0W	-6.0	64.0	-2.0	19.0
500.0W	-4.0	60.0	-3.0	18.0
475.0W	1.0	50.0	0.0	18.0
450.0W	2.0	48.0	1.0	20.0
425.0W	8.0	48.0	3.0	19.0
400.0W	10.0	49.0	1.0	19.0
375.0W	12.0	47.0	1.0	20.0
350.0W	14.0	51.0	2.0	20.0
325.0W	16.0	47.0	-1.0	21.0
300.0W	12.0	53.0	0.0	23.0
275.0W	12.0	45.0	0.0	24.0
250.0W	11.0	47.0	-5.0	25.0
225.0W	18.0	39.0	-3.0	23.0
200.0W	17.0	45.0	-4.0	22.0
175.0W	18.0	45.0	-2.0	24.0
150.0W	15.0	44.0	-5.0	17.0

125.0W	16.0	40.0	14.0	15.0
100.0W	16.0	43.0	16.0	26.0
75.0W	22.0	45.0	0.0	30.0
50.0W	26.0	38.0	-3.0	30.0
25.0W	31.0	39.0	-2.0	24.0
00.0W	29.0	41.0	4.0	22.0

Line: 950.0N Number of Stations: 41

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1000.0W	-8.0	58.0	nil	nil
975.0W	-2.0	60.0	0.0	50.0
950.0W	-4.0	62.0	2.0	48.0
925.0W	-2.0	54.0	2.0	55.0
900.0W	2.0	60.0	3.0	57.0
875.0W	0.0	80.0	0.0	55.0
850.0W	6.0	78.0	-10.0	48.0
825.0W	-6.0	55.0	-2.0	51.0
800.0W	0.0	54.0	-3.0	48.0
775.0W	2.0	50.0	-1.0	57.0
750.0W	3.0	41.0	-6.0	22.0
725.0W	8.0	48.0	0.0	24.0
700.0W	6.0	52.0	-2.0	20.0
675.0W	10.0	51.0	-4.0	22.0
650.0W	6.0	64.0	-2.0	22.0
625.0W	3.0	58.0	-2.0	21.0
600.0W	0.0	50.0	-3.0	20.0
575.0W	-2.0	48.0	-3.0	23.0
550.0W	-2.0	45.0	-3.0	23.0
525.0W	0.0	38.0	-4.0	22.0
500.0W	1.0	33.0	-3.0	21.0
475.0W	5.0	37.0	0.0	21.0
450.0W	11.0	36.0	2.0	23.0
425.0W	13.0	38.0	2.0	24.0
400.0W	11.0	42.0	0.0	24.0
375.0W	17.0	38.0	4.0	24.0
350.0W	15.0	45.0	3.0	25.0
325.0W	9.0	47.0	0.0	21.0
300.0W	13.0	43.0	3.0	24.0
275.0W	16.0	49.0	2.0	25.0
250.0W	16.0	48.0	2.0	25.0
225.0W	13.0	44.0	-1.0	26.0
200.0W	17.0	43.0	0.0	25.0
175.0W	16.0	50.0	2.0	26.0
150.0W	15.0	44.0	-4.0	22.0
125.0W	16.0	35.0	8.0	16.0
100.0W	19.0	40.0	6.0	27.0
75.0W	25.0	43.0	4.0	30.0
50.0W	27.0	48.0	2.0	28.0
25.0W	26.0	47.0	0.0	25.0

0.0W 24.0 48.0 6.0 21.0

Line: 975.0N Number of Stations: 43

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1050.0W	-10.0	68.0	-10.0	63.0
1025.0W	-10.0	70.0	-11.0	52.0
1000.0W	-2.0	56.0	-6.0	48.0
975.0W	-8.0	62.0	-4.0	47.0
950.0W	-8.0	75.0	-7.0	56.0
925.0W	-2.0	80.0	-5.0	44.0
900.0W	2.0	55.0	-2.0	38.0
875.0W	8.0	60.0	0.0	54.0
850.0W	-10.0	55.0	-4.0	58.0
825.0W	nil	nil	nil	nil
800.0W	nil	nil	nil	nil
775.0W	0.0	50.0	-10.0	22.0
750.0W	6.0	44.0	-4.0	23.0
725.0W	10.0	58.0	-5.0	25.0
700.0W	8.0	42.0	-6.0	25.0
675.0W	10.0	57.0	-3.0	25.0
650.0W	5.0	72.0	-6.0	25.0
625.0W	1.0	62.0	-6.0	20.0
600.0W	-3.0	46.0	-3.0	23.0
575.0W	-2.0	53.0	1.0	25.0
550.0W	-2.0	45.0	-3.0	25.0
525.0W	0.0	44.0	-1.0	25.0
500.0W	0.0	43.0	-2.0	27.0
475.0W	4.0	43.0	0.0	25.0
450.0W	11.0	45.0	0.0	30.0
425.0W	14.0	47.0	-1.0	32.0
400.0W	11.0	50.0	2.0	32.0
375.0W	13.0	44.0	4.0	30.0
350.0W	13.0	53.0	4.0	34.0
325.0W	11.0	53.0	5.0	35.0
300.0W	14.0	50.0	5.0	37.0
275.0W	16.0	53.0	6.0	37.0
250.0W	14.0	54.0	3.0	37.0
225.0W	16.0	57.0	5.0	38.0
200.0W	15.0	54.0	4.0	40.0
175.0W	16.0	58.0	4.0	41.0
150.0W	16.0	62.0	3.0	43.0
125.0W	19.0	52.0	2.0	25.0
100.0W	19.0	53.0	17.0	24.0
75.0W	18.0	63.0	20.0	38.0
50.0W	20.0	66.0	11.0	43.0
25.0W	24.0	70.0	14.0	39.0
00.0W	25.0	58.0	13.0	37.0

Line: 1000.0N Number of Stations: 43

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1050.0W	-6.0	70.0	-10.0	64.0
1025.0W	-10.0	62.0	-15.0	62.0
1000.0W	0.0	54.0	-17.0	55.0
975.0W	0.0	50.0	-12.0	49.0
950.0W	4.0	64.0	-10.0	57.0
925.0W	-8.0	70.0	-11.0	61.0
900.0W	6.0	75.0	-11.0	44.0
875.0W	10.0	78.0	-5.0	54.0
850.0W	4.0	80.0	-16.0	52.0
825.0W	2.0	62.0	-6.0	64.0
800.0W	1.0	64.0	-5.0	58.0
775.0W	3.0	64.0	-7.0	59.0
750.0W	4.0	69.0	-6.0	56.0
725.0W	2.0	69.0	-7.0	48.0
700.0W	1.0	48.0	-5.0	36.0
675.0W	10.0	46.0	-9.0	36.0
650.0W	15.0	65.0	-10.0	33.0
625.0W	10.0	70.0	-9.0	35.0
600.0W	2.0	50.0	-6.0	33.0
575.0W	6.0	42.0	-5.0	32.0
550.0W	2.0	57.0	-6.0	35.0
525.0W	4.0	53.0	5.0	36.0
500.0W	7.0	48.0	5.0	37.0
475.0W	9.0	46.0	2.0	39.0
450.0W	13.0	48.0	1.0	36.0
425.0W	15.0	54.0	3.0	38.0
400.0W	9.0	54.0	1.0	39.0
375.0W	15.0	62.0	4.0	41.0
350.0W	12.0	58.0	4.0	43.0
325.0W	15.0	58.0	4.0	45.0
300.0W	14.0	65.0	2.0	42.0
275.0W	13.0	68.0	5.0	43.0
250.0W	16.0	52.0	6.0	43.0
225.0W	15.0	58.0	7.0	41.0
200.0W	17.0	62.0	8.0	47.0
175.0W	15.0	68.0	8.0	42.0
150.0W	18.0	63.0	9.0	42.0
125.0W	19.0	63.0	5.0	47.0
100.0W	20.0	59.0	3.0	33.0
75.0W	24.0	55.0	15.0	28.0
50.0W	25.0	63.0	18.0	31.0
25.0W	26.0	64.0	17.0	29.0
00.0W	27.0	63.0	18.0	31.0

Line: 1025.0N Number of Stations: 44

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1075.0W	-7.0	82.0	-7.0	82.0
1050.0W	-10.0	72.0	-10.0	72.0
1025.0W	-12.0	75.0	-12.0	75.0
1000.0W	-18.0	58.0	-18.0	58.0
975.0W	-14.0	58.0	-14.0	58.0
950.0W	-9.0	63.0	-9.0	63.0
925.0W	-12.0	63.0	-12.0	63.0
900.0W	-13.0	62.0	-13.0	62.0
875.0W	-11.0	58.0	-11.0	58.0
850.0W	-9.0	56.0	-9.0	56.0
825.0W	-8.0	56.0	-8.0	56.0
800.0W	-15.0	62.0	-15.0	62.0
775.0W	18.0	62.0	-8.0	62.0
750.0W	20.0	67.0	-5.0	76.0
725.0W	4.0	68.0	-7.0	46.0
700.0W	5.0	71.0	-4.0	48.0
675.0W	0.0	70.0	-8.0	54.0
650.0W	0.0	56.0	-13.0	53.0
625.0W	3.0	54.0	-12.0	47.0
600.0W	7.0	51.0	-8.0	39.0
575.0W	11.0	55.0	-10.0	41.0
550.0W	5.0	60.0	-9.0	42.0
525.0W	9.0	49.0	-9.0	44.0
500.0W	8.0	45.0	-7.0	40.0
475.0W	12.0	51.0	-1.0	45.0
450.0W	14.0	52.0	-1.0	45.0
425.0W	8.0	54.0	0.0	43.0
400.0W	13.0	52.0	-3.0	45.0
375.0W	8.0	51.0	1.0	43.0
350.0W	16.0	54.0	5.0	47.0
325.0W	16.0	57.0	5.0	47.0
300.0W	16.0	57.0	1.0	48.0
275.0W	14.0	61.0	3.0	45.0
250.0W	16.0	59.0	8.0	45.0
225.0W	13.0	62.0	5.0	45.0
200.0W	13.0	62.0	13.0	44.0
175.0W	16.0	79.0	9.0	49.0
150.0W	17.0	nil	9.0	48.0
125.0W	18.0	63.0	9.0	54.0
100.0W	20.0	67.0	3.0	55.0
75.0W	24.0	61.0	7.0	42.0
50.0W	27.0	64.0	12.0	39.0
25.0W	28.0	70.0	14.0	42.0
00.0W	27.0	82.0	17.0	42.0

Line: 1050.0N Number of Stations: 45

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1100.0W	nil	nil	nil	nil
1075.0W	-4.0	96.0	-4.0	96.0
1050.0W	-13.0	87.0	-13.0	nil
1025.0W	-20.0	64.0	-20.0	nil
1000.0W	-16.0	63.0	-16.0	63.0
975.0W	-14.0	64.0	-14.0	64.0
950.0W	-12.0	75.0	-12.0	75.0
925.0W	-11.0	75.0	-11.0	75.0
900.0W	-12.0	70.0	-12.0	70.0
875.0W	-15.0	65.0	-15.0	65.0
850.0W	-11.0	70.0	-11.0	70.0
825.0W	-15.0	64.0	5.0	48.0
800.0W	-20.0	63.0	5.0	42.0
775.0W	8.0	75.0	-13.0	50.0
750.0W	4.0	71.0	-7.0	50.0
725.0W	8.0	60.0	-6.0	52.0
700.0W	7.0	57.0	-3.0	57.0
675.0W	3.0	64.0	-3.0	70.0
650.0W	5.0	62.0	-7.0	52.0
625.0W	8.0	55.0	-11.0	54.0
600.0W	9.0	52.0	-10.0	51.0
575.0W	6.0	76.0	-8.0	48.0
550.0W	4.0	69.0	-8.0	48.0
525.0W	3.0	69.0	4.0	45.0
500.0W	4.0	44.0	-1.0	43.0
475.0W	15.0	50.0	0.0	44.0
450.0W	15.0	50.0	0.0	46.0
425.0W	7.0	63.0	-2.0	46.0
400.0W	13.0	49.0	2.0	46.0
375.0W	12.0	52.0	5.0	48.0
350.0W	16.0	52.0	5.0	50.0
325.0W	18.0	60.0	7.0	53.0
300.0W	15.0	nil	6.0	52.0
275.0W	15.0	60.0	0.0	48.0
250.0W	16.0	59.0	3.0	47.0
225.0W	17.0	59.0	4.0	44.0
200.0W	17.0	61.0	5.0	47.0
175.0W	19.0	62.0	5.0	48.0
150.0W	20.0	63.0	5.0	42.0
125.0W	19.0	63.0	6.0	45.0
100.0W	21.0	60.0	6.0	45.0
75.0W	26.0	63.0	7.0	48.0
50.0W	30.0	63.0	7.0	43.0
25.0W	27.0	76.0	8.0	50.0
00.0W	28.0	88.0	13.0	43.0

Line: 1075.0N Number of Stations: 46

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1125.0W	3.0	83.0	2.0	88.0
1100.0W	0.0	74.0	0.0	85.0
1075.0W	0.0	77.0	-3.0	80.0
1050.0W	-4.0	77.0	-8.0	80.0
1025.0W	-3.0	68.0	-6.0	65.0
1000.0W	2.0	69.0	-6.0	68.0
975.0W	8.0	94.0	-4.0	77.0
950.0W	4.0	84.0	-4.0	71.0
925.0W	-3.0	78.0	-6.0	75.0
900.0W	-4.0	78.0	-8.0	77.0
875.0W	-1.0	62.0	-5.0	63.0
850.0W	0.0	74.0	-6.0	80.0
825.0W	-1.0	69.0	-7.0	75.0
800.0W	8.0	63.0	-15.0	64.0
775.0W	7.0	68.0	-8.0	53.0
750.0W	4.0	65.0	-6.0	59.0
725.0W	0.0	63.0	-7.0	53.0
700.0W	1.0	73.0	-6.0	52.0
675.0W	2.0	50.0	-2.0	53.0
650.0W	12.0	60.0	-3.0	55.0
625.0W	12.0	68.0	-2.0	72.0
600.0W	5.0	70.0	-8.0	72.0
575.0W	5.0	72.0	-7.0	72.0
550.0W	3.0	65.0	-8.0	63.0
525.0W	0.0	59.0	-6.0	53.0
500.0W	8.0	47.0	-4.0	50.0
475.0W	16.0	57.0	-2.0	53.0
450.0W	10.0	61.0	-1.0	55.0
425.0W	8.0	58.0	-3.0	53.0
400.0W	14.0	55.0	-2.0	57.0
375.0W	16.0	58.0	3.0	52.0
350.0W	17.0	57.0	3.0	45.0
325.0W	18.0	56.0	5.0	56.0
300.0W	18.0	71.0	8.0	59.0
275.0W	18.0	77.0	5.0	65.0
250.0W	17.0	70.0	1.0	55.0
225.0W	20.0	65.0	3.0	55.0
200.0W	20.0	63.0	5.0	54.0
175.0W	22.0	69.0	6.0	60.0
150.0W	22.0	70.0	4.0	57.0
125.0W	26.0	64.0	6.0	59.0
100.0W	24.0	73.0	6.0	61.0
75.0W	28.0	63.0	8.0	58.0
50.0W	30.0	77.0	7.0	60.0
25.0W	30.0	90.0	10.0	65.0
00.0W	16.0	98.0	-2.0	64.0

Line: 1100.0N Number of Stations: 44

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1150.0W	4.0	83.0	0.0	78.0
1125.0W	5.0	79.0	2.0	80.0
1100.0W	3.0	75.0	-3.0	88.0
1075.0W	-5.0	72.0	-7.0	82.0
1050.0W	2.0	70.0	-14.0	77.0
1025.0W	0.0	69.0	-19.0	99.0
1000.0W	0.0	62.0	-14.0	82.0
975.0W	3.0	77.0	-13.0	87.0
950.0W	-8.0	68.0	-8.0	83.0
925.0W	-14.0	60.0	7.0	83.0
900.0W	-7.0	58.0	-9.0	75.0
875.0W	-7.0	67.0	-8.0	84.0
850.0W	-6.0	60.0	-10.0	87.0
825.0W	-3.0	64.0	-5.0	89.0
800.0W	-5.0	58.0	-11.0	83.0
775.0W	-2.0	63.0	-11.0	79.0
750.0W	-2.0	60.0	-13.0	75.0
725.0W	-1.0	59.0	-18.0	72.0
700.0W	-4.0	49.0	nil	nil
600.0W	6.0	67.0	-1.0	65.0
575.0W	3.0	73.0	-3.0	70.0
550.0W	2.0	64.0	-5.0	64.0
525.0W	4.0	52.0	-4.0	63.0
500.0W	13.0	57.0	-3.0	58.0
475.0W	10.0	56.0	-2.0	57.0
450.0W	10.0	56.0	-2.0	60.0
425.0W	4.0	56.0	0.0	58.0
400.0W	12.0	55.0	-1.0	57.0
375.0W	15.0	53.0	-1.0	53.0
350.0W	13.0	53.0	0.0	55.0
325.0W	19.0	63.0	0.0	56.0
300.0W	20.0	62.0	1.0	54.0
275.0W	20.0	67.0	5.0	55.0
250.0W	16.0	70.0	-2.0	57.0
225.0W	18.0	68.0	2.0	49.0
200.0W	22.0	68.0	2.0	51.0
175.0W	21.0	69.0	3.0	55.0
150.0W	22.0	75.0	2.0	57.0
125.0W	23.0	71.0	3.0	56.0
100.0W	21.0	84.0	4.0	60.0
75.0W	23.0	78.0	9.0	57.0
50.0W	24.0	80.0	8.0	55.0
25.0W	25.0	94.0	12.0	55.0
00.0W	16.0	99.0	0.0	62.0

Line: 1125.0N Number of Stations: 11

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1150.0W	3.0	75.0	4.0	67.0
1125.0W	3.0	59.0	-2.0	77.0
1100.0W	4.0	73.0	-2.0	77.0
1075.0W	5.0	78.0	-2.0	78.0
1050.0W	2.0	73.0	-9.0	84.0
1025.0W	5.0	73.0	-13.0	82.0
1000.0W	1.0	67.0	-13.0	70.0
975.0W	1.0	82.0	-6.0	72.0
950.0W	-9.0	73.0	-4.0	71.0
925.0W	-11.0	67.0	-4.0	67.0
900.0W	-3.0	59.0	-8.0	63.0

Line: 1150.0N Number of Stations: 12

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1175.0W	10.0	78.0	8.0	78.0
1150.0W	4.0	76.0	4.0	78.0
1125.0W	6.0	73.0	2.0	75.0
1100.0W	10.0	77.0	1.0	78.0
1075.0W	3.0	81.0	2.0	86.0
1050.0W	2.0	75.0	-4.0	63.0
1025.0W	5.0	73.0	-5.0	80.0
1000.0W	3.0	87.0	-9.0	67.0
975.0W	-4.0	85.0	-6.0	65.0
950.0W	-14.0	77.0	-8.0	67.0
925.0W	-10.0	61.0	-5.0	63.0
900.0W	-8.0	63.0	-8.0	66.0

Line: 1175.0N Number of Stations: 12

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1175.0W	13.0	73.0	10.0	78.0
1150.0W	9.0	73.0	8.0	76.0
1125.0W	7.0	74.0	7.0	80.0
1100.0W	6.0	73.0	3.0	76.0
1075.0W	8.0	75.0	4.0	82.0
1050.0W	3.0	72.0	3.0	69.0
1025.0W	4.0	77.0	-2.0	82.0
1000.0W	1.0	83.0	0.0	73.0
975.0W	-4.0	84.0	-5.0	74.0
950.0W	-12.0	72.0	-10.0	62.0
925.0W	-8.0	66.0	-12.0	59.0
900.0W	-8.0	60.0	-4.0	60.0

Line: 1200.0N Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1175.0W	10.0	62.0	12.0	95.0
1150.0W	7.0	65.0	8.0	92.0
1125.0W	7.0	65.0	10.0	98.0
1100.0W	7.0	69.0	6.0	99.0
1075.0W	4.0	74.0	3.0	80.0
1050.0W	2.0	70.0	4.0	80.0
1025.0W	0.0	62.0	-1.0	68.0
1000.0W	0.0	66.0	0.0	83.0
975.0W	-11.0	68.0	8.0	70.0
950.0W	-9.0	64.0	-7.0	77.0
925.0W	-9.0	55.0	-7.0	68.0
900.0W	-7.0	56.0	-9.0	70.0
875.0W	2.0	57.0	-3.0	68.0
850.0W	0.0	62.0	0.0	78.0
825.0W	0.0	60.0	-2.0	80.0
800.0W	-3.0	63.0	-7.0	83.0
775.0W	0.0	62.0	2.0	86.0
750.0W	-5.0	55.0	-1.0	83.0
725.0W	-6.0	53.0	-3.0	84.0
700.0W	-4.0	52.0	-6.0	72.0

Line: 1225.0N Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1175.0W	14.0	67.0	11.0	90.0
1150.0W	7.0	69.0	8.0	93.0
1125.0W	7.0	67.0	10.0	82.0
1100.0W	18.0	73.0	12.0	95.0
1075.0W	4.0	73.0	4.0	94.0
1050.0W	3.0	87.0	6.0	97.0
1025.0W	2.0	77.0	4.0	96.0
1000.0W	1.0	85.0	-4.0	97.0
975.0W	1.0	85.0	-11.0	98.0
950.0W	-4.0	67.0	-12.0	93.0
925.0W	-3.0	67.0	-10.0	87.0
900.0W	-4.0	67.0	-7.0	72.0
875.0W	4.0	72.0	-4.0	87.0
850.0W	3.0	77.0	0.0	82.0
825.0W	-7.0	66.0	-1.0	92.0
800.0W	-3.0	62.0	-1.0	92.0
775.0W	-3.0	60.0	2.0	98.0
750.0W	-3.0	57.0	-3.0	97.0
725.0W	4.0	59.0	2.0	100.0
700.0W	1.0	57.0	-4.0	85.0

Line: 1250.0N Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1175.0W	11.0	72.0	11.0	74.0
1150.0W	9.0	75.0	8.0	79.0
1125.0W	5.0	68.0	11.0	66.0
1100.0W	14.0	68.0	9.0	82.0
1075.0W	5.0	75.0	9.0	73.0
1050.0W	2.0	85.0	5.0	82.0
1025.0W	7.0	66.0	3.0	74.0
1000.0W	-2.0	77.0	-5.0	77.0
975.0W	-5.0	73.0	-6.0	80.0
950.0W	-7.0	62.0	-3.0	83.0
925.0W	-1.0	62.0	-4.0	83.0
900.0W	-4.0	68.0	-4.0	82.0
875.0W	-1.0	75.0	1.0	77.0
850.0W	0.0	62.0	-1.0	82.0
825.0W	-5.0	60.0	3.0	80.0
800.0W	-5.0	62.0	-1.0	86.0
775.0W	-2.0	57.0	1.0	86.0
750.0W	-2.0	53.0	2.0	96.0
725.0W	4.0	53.0	2.0	95.0
700.0W	4.0	53.0	-2.0	82.0

Line: 1275.0N Number of Stations: 20

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1175.0W	11.0	73.0	9.0	73.0
1150.0W	11.0	72.0	11.0	65.0
1125.0W	16.0	76.0	11.0	72.0
1100.0W	8.0	72.0	6.0	67.0
1075.0W	5.0	84.0	5.0	87.0
1050.0W	4.0	78.0	3.0	87.0
1025.0W	3.0	81.0	1.0	73.0
1000.0W	2.0	84.0	-7.0	83.0
975.0W	-2.0	69.0	-5.0	77.0
950.0W	-3.0	73.0	-11.0	69.0
925.0W	-4.0	69.0	-3.0	76.0
900.0W	-6.0	67.0	-5.0	67.0
875.0W	-13.0	59.0	6.0	67.0
850.0W	-5.0	70.0	3.0	77.0
825.0W	-8.0	64.0	9.0	81.0
800.0W	-15.0	57.0	2.0	77.0
775.0W	-6.0	49.0	10.0	83.0
750.0W	-3.0	61.0	6.0	77.0
725.0W	6.0	46.0	4.0	78.0
700.0W	4.0	58.0	7.0	73.0

Line: 1300.ON Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.OW	17.0	72.0	1.0	35.0
1175.OW	12.0	82.0	7.0	44.0
1150.OW	9.0	78.0	9.0	53.0
1125.OW	11.0	78.0	8.0	62.0
1100.OW	11.0	77.0	10.0	57.0
1075.OW	11.0	84.0	2.0	57.0
1050.OW	7.0	90.0	3.0	67.0
1025.OW	7.0	90.0	-6.0	62.0
1000.OW	5.0	91.0	-2.0	67.0
975.OW	0.0	88.0	-6.0	63.0
950.OW	3.0	85.0	-6.0	57.0
925.OW	-1.0	75.0	0.0	53.0
900.OW	-5.0	72.0	-6.0	57.0
875.OW	-6.0	72.0	3.0	58.0
850.OW	-11.0	62.0	5.0	65.0
825.OW	-13.0	47.0	3.0	57.0
800.OW	-14.0	50.0	6.0	59.0
775.OW	-4.0	49.0	10.0	69.0
750.OW	-6.0	53.0	6.0	73.0
725.OW	6.0	62.0	7.0	75.0
700.OW	-2.0	57.0	6.0	72.0

Line: 1325.ON Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.OW	17.0	65.0	2.0	53.0
1175.OW	14.0	69.0	4.0	59.0
1150.OW	9.0	78.0	4.0	53.0
1125.OW	5.0	79.0	4.0	63.0
1100.OW	9.0	73.0	0.0	58.0
1075.OW	8.0	78.0	3.0	66.0
1050.OW	7.0	70.0	0.0	72.0
1025.OW	5.0	77.0	1.0	68.0
1000.OW	-3.0	79.0	-11.0	66.0
975.OW	-4.0	79.0	-8.0	55.0
950.OW	-13.0	74.0	-10.0	64.0
925.OW	-17.0	63.0	-10.0	61.0
900.OW	-19.0	56.0	-9.0	57.0
875.OW	-12.0	47.0	-12.0	47.0
850.OW	-23.0	41.0	-18.0	53.0
825.OW	-13.0	43.0	-2.0	57.0
800.OW	0.0	45.0	3.0	60.0
775.OW	6.0	53.0	2.0	48.0
750.OW	8.0	52.0	10.0	60.0
725.OW	-5.0	56.0	3.0	50.0
700.OW	-3.0	47.0	0.0	57.0

Line: 1350.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.0W	20.0	77.0	4.0	47.0
1175.0W	10.0	92.0	4.0	52.0
1150.0W	9.0	97.0	2.0	56.0
1125.0W	7.0	88.0	-4.0	53.0
1100.0W	14.0	87.0	3.0	54.0
1075.0W	8.0	94.0	-3.0	45.0
1050.0W	2.0	85.0	-7.0	48.0
1025.0W	8.0	83.0	-3.0	57.0
1000.0W	-2.0	83.0	-7.0	52.0
975.0W	-5.0	90.0	-14.0	52.0
950.0W	-13.0	82.0	-7.0	42.0
925.0W	-18.0	73.0	-6.0	55.0
900.0W	-24.0	78.0	0.0	52.0
875.0W	-18.0	47.0	0.0	70.0
850.0W	-12.0	44.0	-2.0	80.0
825.0W	-5.0	38.0	-6.0	69.0
800.0W	0.0	44.0	2.0	76.0
775.0W	-1.0	48.0	2.0	72.0
750.0W	-3.0	43.0	5.0	65.0
725.0W	1.0	42.0	7.0	75.0
700.0W	-2.0	42.0	3.0	78.0

Line: 1375.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.0W	19.0	83.0	5.0	59.0
1175.0W	13.0	92.0	5.0	62.0
1150.0W	9.0	90.0	3.0	62.0
1125.0W	9.0	82.0	-3.0	65.0
1100.0W	7.0	87.0	3.0	64.0
1075.0W	8.0	85.0	-1.0	52.0
1050.0W	5.0	89.0	1.0	68.0
1025.0W	6.0	97.0	-1.0	64.0
1000.0W	0.0	98.0	-6.0	53.0
975.0W	-9.0	93.0	-6.0	65.0
950.0W	-19.0	85.0	-4.0	50.0
925.0W	-19.0	95.0	-3.0	50.0
900.0W	-18.0	79.0	-3.0	50.0
875.0W	-8.0	79.0	1.0	55.0
850.0W	-8.0	84.0	2.0	73.0
825.0W	-4.0	79.0	4.0	62.0
800.0W	-3.0	80.0	7.0	63.0
775.0W	1.0	83.0	1.0	60.0
750.0W	5.0	77.0	3.0	50.0
725.0W	8.0	77.0	1.0	55.0

700.0W 12.0 80.0 5.0 44.0

Line: 1400.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.0W	18.0	100.0	0.0	64.0
1175.0W	11.0	87.0	3.0	70.0
1150.0W	10.0	85.0	3.0	79.0
1125.0W	4.0	84.0	-1.0	73.0
1100.0W	6.0	82.0	0.0	75.0
1075.0W	8.0	82.0	-1.0	70.0
1050.0W	6.0	90.0	1.0	81.0
1025.0W	3.0	97.0	-3.0	82.0
1000.0W	-5.0	92.0	-3.0	84.0
975.0W	-19.0	100.0	-4.0	70.0
950.0W	-26.0	68.0	-1.0	75.0
925.0W	-18.0	63.0	-2.0	76.0
900.0W	-13.0	57.0	-2.0	65.0
875.0W	-14.0	85.0	-2.0	47.0
850.0W	-12.0	77.0	2.0	49.0
825.0W	0.0	90.0	11.0	57.0
800.0W	3.0	96.0	5.0	52.0
775.0W	5.0	82.0	2.0	50.0
750.0W	8.0	72.0	-1.0	47.0
725.0W	7.0	83.0	-3.0	45.0
700.0W	12.0	82.0	0.0	54.0

Line: 1425.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.0W	12.0	71.0	nil	nil
1175.0W	2.0	65.0	2.0	73.0
1150.0W	1.0	62.0	-1.0	72.0
1125.0W	4.0	60.0	-1.0	72.0
1100.0W	3.0	54.0	3.0	65.0
1075.0W	8.0	57.0	6.0	85.0
1050.0W	7.0	77.0	3.0	73.0
1025.0W	0.0	70.0	-1.0	82.0
1000.0W	-10.0	70.0	-1.0	72.0
975.0W	-24.0	50.0	-6.0	67.0
950.0W	-20.0	40.0	-4.0	68.0
925.0W	-16.0	42.0	-4.0	78.0
900.0W	-13.0	60.0	-3.0	67.0
875.0W	-10.0	49.0	-5.0	63.0
850.0W	-4.0	44.0	4.0	66.0
825.0W	2.0	42.0	4.0	68.0
800.0W	9.0	48.0	7.0	75.0
775.0W	2.0	47.0	-3.0	83.0
750.0W	11.0	47.0	-2.0	73.0

725.0W	6.0	50.0	2.0	72.0
700.0W	2.0	42.0	2.0	77.0

Line: 1450.0N Number of Stations: 21

Station	Seattle Dip Angle	Field Str.	Laulaulei Dip Angle	Field Str.
1200.0W	6.0	75.0	4.0	72.0
1175.0W	8.0	61.0	-3.0	60.0
1150.0W	4.0	68.0	0.0	64.0
1125.0W	1.0	63.0	-2.0	62.0
1100.0W	-1.0	59.0	2.0	67.0
1075.0W	6.0	72.0	3.0	66.0
1050.0W	-3.0	74.0	0.0	84.0
1025.0W	-5.0	83.0	-5.0	83.0
1000.0W	-18.0	94.0	-7.0	70.0
975.0W	-26.0	56.0	-6.0	72.0
950.0W	-18.0	57.0	-12.0	67.0
925.0W	-13.0	50.0	-8.0	70.0
900.0W	-9.0	58.0	-1.0	64.0
875.0W	-7.0	90.0	-2.0	67.0
850.0W	-2.0	86.0	-1.0	62.0
825.0W	6.0	90.0	2.0	67.0
800.0W	-5.0	42.0	6.0	60.0
775.0W	5.0	44.0	1.0	64.0
750.0W	8.0	46.0	-6.0	67.0
725.0W	11.0	43.0	-2.0	64.0
700.0W	8.0	44.0	2.0	72.0

Appendix C
Certificates

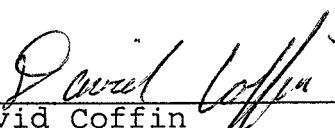


CERTIFICATE

I, David Coffin, of the City of Vancouver in the Province of British Columbia, do hereby certify that:

- I) I am a consultant with the firm of Shangri-La Minerals Limited at 706-675 West Hastings St., Vancouver, B.C., V6B 1N2.
- II) I attended the Haileybury School of Mines, Ontario, in the department of Mining Technology, from 1975 to 1977.
- III) Since 1974 I have worked at a variety of jobs in the Canadian mineral exploration field, including regional and detailed prospecting, detailed geological mapping, core logging, property management and program development.
- IV) This assessment report is based upon field work conducted between September 19 and October 17, 1987 by a Shangri-La Minerals Limited crew.
- V) I hold no direct or indirect interest in the property, nor do I expect to receive any.

Submitted at Vancouver, B.C.



David Coffin
4 January, 1988




CERTIFICATE

I, Herbert Mertens, of the City of Vancouver in the Province of British Columbia, do hereby certify:

- I) I am a consulting geophysicist for the firm of Shangri-La Minerals Limited, based at 706-675 West Hastings Street, Vancouver, B.C., V6B 1N2.
- II) I am a graduate of the University of British Columbia (1984) and hold a Bachelor of Science degree in Geophysics.
- III) I am a member, in good standing, of both the Canadian Society of Exploration Geophysicists (CSEG) and the Society of Exploration Geophysicists (SEG).
- IV) Since graduation, I have worked at seismic processing in Calgary, Alberta and at exploration on various properties in British Columbia.
- V) This assessment report is based on interpretation by this author of VLF-EM and total field magnetic data gathered between September 19 and October 17, 1987 by a Shangri-La Minerals Limited crew.
- VI) I have no direct or indirect interest in the property, nor do I expect to receive any.

Submitted at Vancouver, B.C.


Herbert Mertens, B.Sc.
4 January, 1988



Appendix D
Cost Breakdown of Program



COST BREAKDOWN FOR
THE THUTADE LAKE PROJECT, 1987

STAFF CHARGES	\$32,675.00
AIRPLANE AND HELICOPTER CHARTERS	9,165.52
SUPPLIES AND GROCERIES	5,918.71
VEHICLE AND EQUIPMENT RENTALS	7,123.13
ASSAYS AND ANALYSIS	13,200.00
TOTAL	<u>\$68,802.36</u>

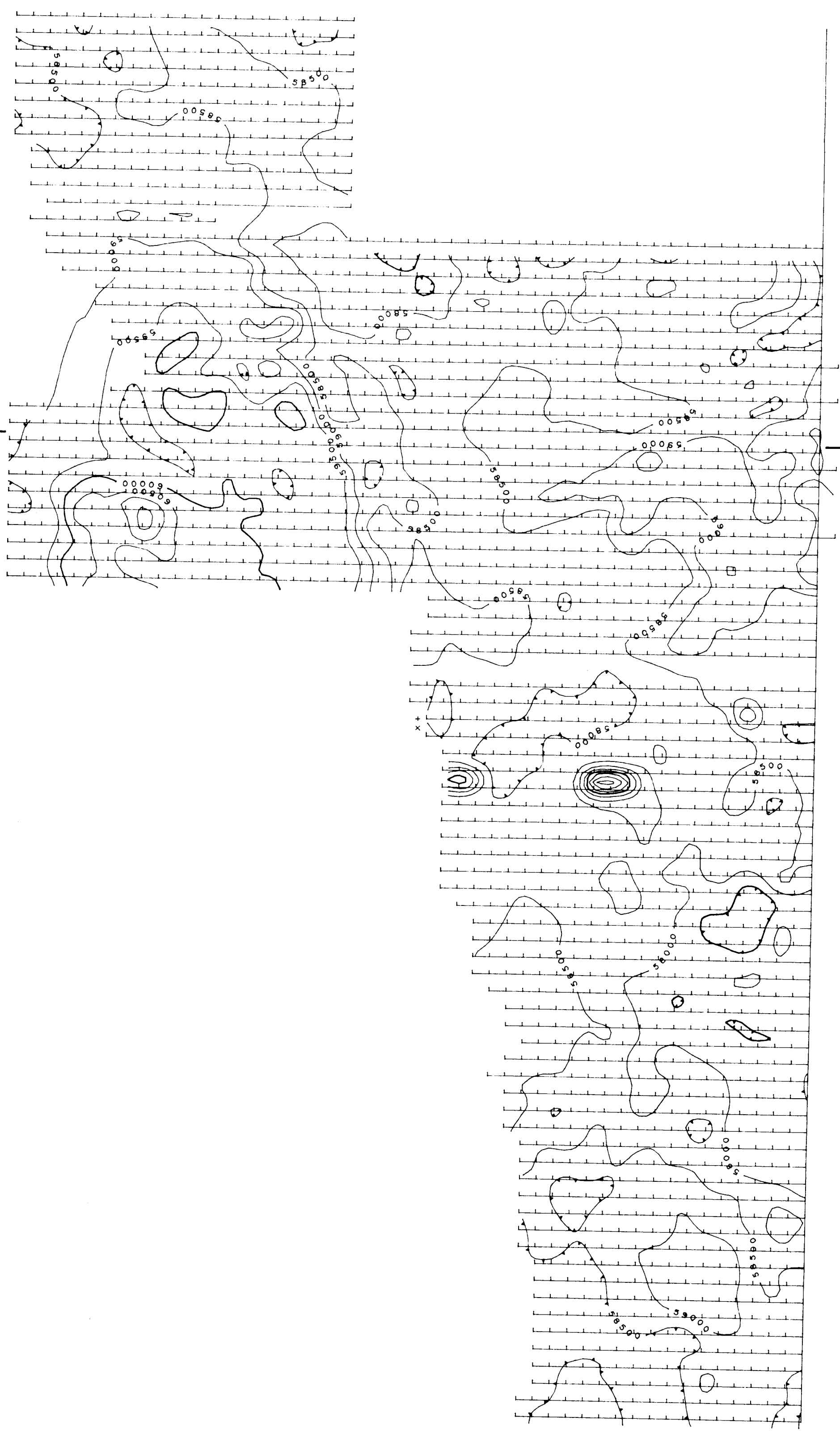


1200W
1000W
800W
600W
400W
200W
0E



1450N
1425N
1400N
1375N
1350N
1325N
1300N
1275N
1250N
1225N
1200N
1175N
1150N
1125N
1100N
1075N
1050N
1025N
1000N
975N
950N
925N
900N
LAKE #2
CLAIM
875N
850N
825N
RON #1
CLAIM
800N
775N
750N
725N
700N
675N
650N
625N
600N
575N
550N
525N

475N
450N
425N
400N
375N
350N
325N
300N
275N
250N
225N
200N
175N
150N
125N
100N
75N
50N
25N
0N
25S
50S
75S
100S
125S
150S
175S
200S
225S
250S
275S
300S
325S
350S
375S
400S
425S
450S
475S
500S
525S
550S
575S
600S



LAKE #2
CLAIM

RON #1
CLAIM

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,882

THUTADE LAKE PROJECT

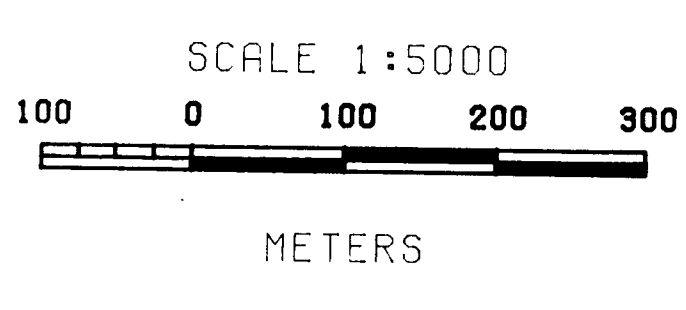
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AND COMPUTER SERVICES LTD.

MAGNETOMETER SURVEY

OMINECA M.D., B.C.

N.T.S.: 94E / 2W
PLOTTED BY: R.P.H.

DATE: DECEMBER 1987
FIGURE NO. 3



CONTOUR INTERVAL: 500 GAMMAS



1200W
1000W
800W
600W
400W
200W
0E

1450N
1425N
1400N
1375N
1350N
1325N
1300N
1275N
1250N
1225N
1200N
1175N
1150N
1125N
1100N
1075N
1050N
1025N
1000N
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N
675N
650N
625N
600N
575N
550N
525N
500N
475N
450N
425N
400N
375N
350N
325N
300N
275N
250N
225N
200N
175N
150N
125N
100N
75N
50N
25N
0S
25S
50S
75S
100S
125S
150S
175S

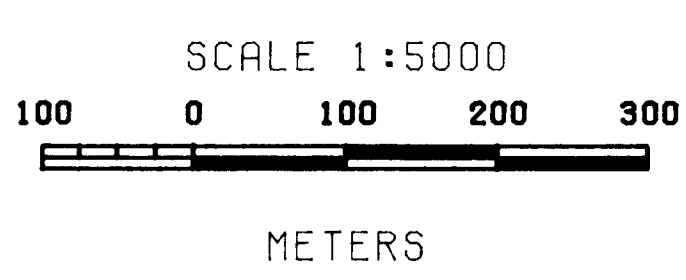
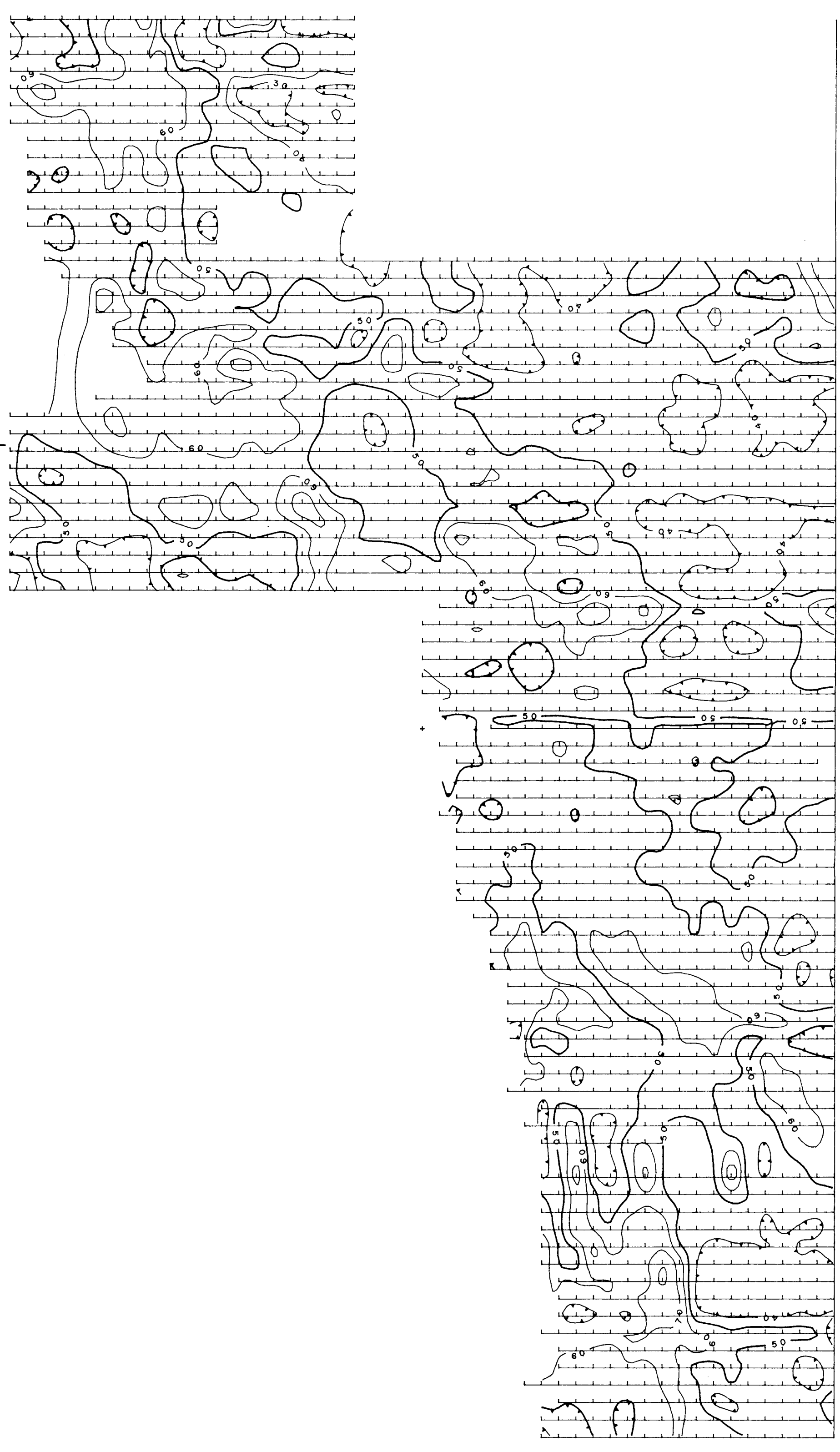
225S
250S
275S
300S
325S
350S
375S
400S
425S
450S
475S
500S
525S
550S
575S
600S

LAKE #2
CLAIM

RON #1
CLAIM

LAKE #2
CLAIM

RON #1
CLAIM



CONTOUR INTERVAL: 5 PERCENT

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,882
THUTADE LAKE PROJECT

PLOTTED BY: RPM MAPPING
AND COMPUTER SERVICES LTD.

VLF-EM (SEATTLE)
FIELD STRENGTH

OMINECA M.D., B.C.

N.T.S.: 94E / 2H
PLOTTED BY: R.P.N.

DATE: DECEMBER 1987
FIGURE NO. 4b



1200W
1000W
800W
600W
400W
200W
0E

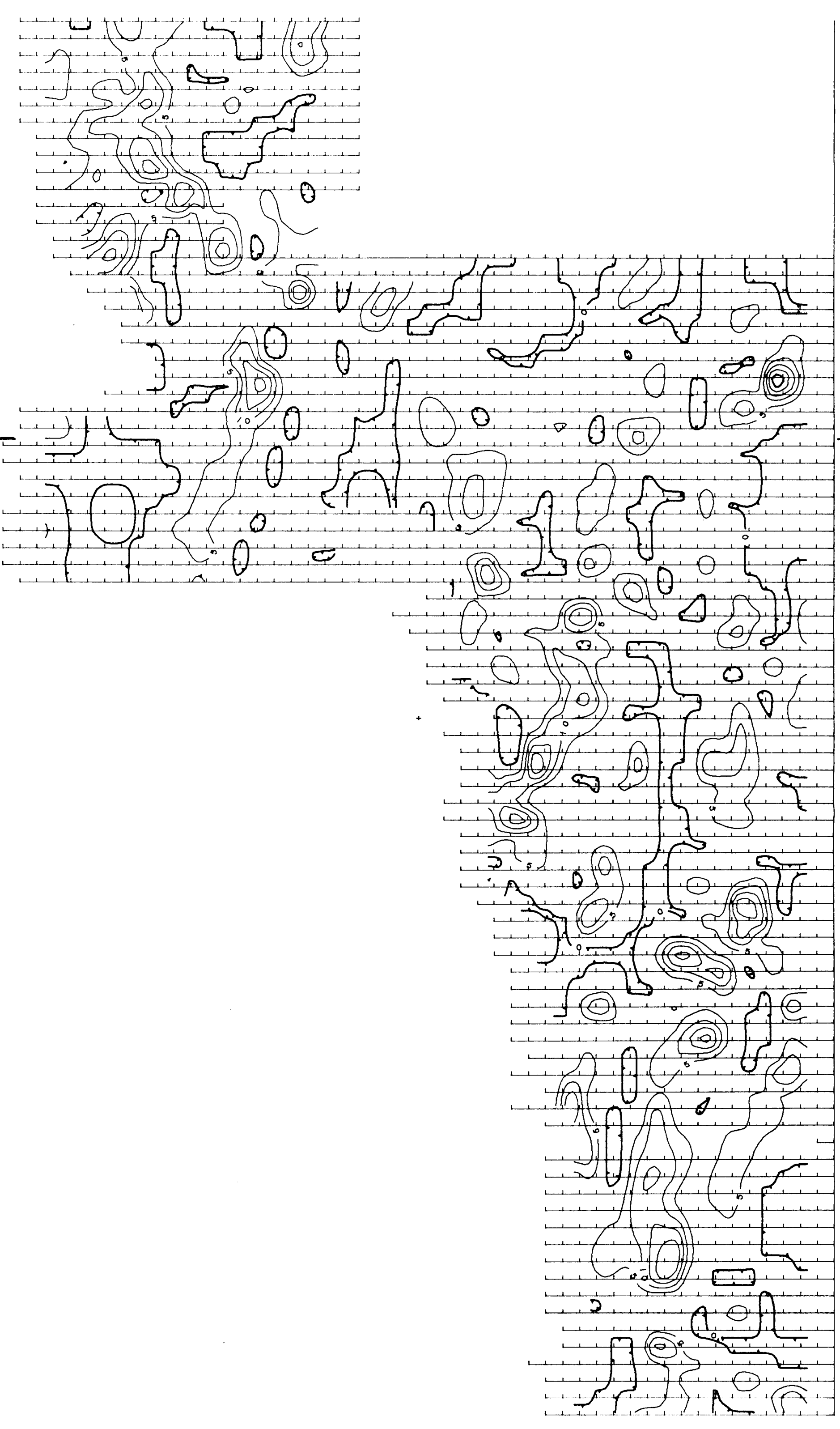
1450N
1425N
1400N
1375N
1350N
1325N
1300N
1275N
1250N
1225N
1200N
1175N
1150N
1125N
1100N
1075N
1050N
1025N
1000N
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N
675N
650N
625N
600N
575N
550N
525N
500N
475N
450N
425N
400N
375N
350N
325N
300N
275N
250N
225N
200N
175N
150N
125N
100N
75N
50N
25N
00N
25S
50S
75S
100S
125S
150S
175S
200S
225S
250S
275S
300S
325S
350S
375S
400S
425S
450S
475S
500S
525S
550S
575S
600S

LAKE #2
CLAIM

RON #1
CLAIM

LAKE #2
CLAIM

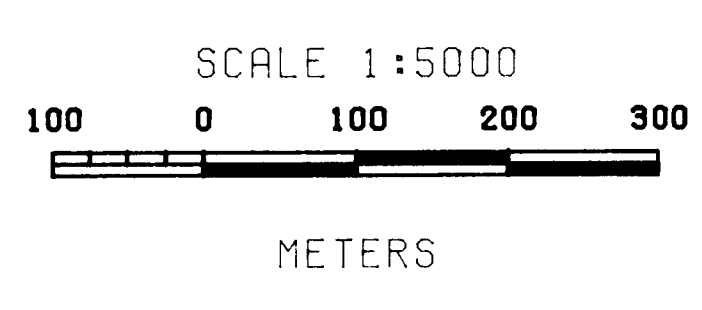
RON #1
CLAIM



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,882

THUTADE LAKE PROJECT	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
VLF-EM (SEATTLE)	
FORWARD FRASER FILTERED DIP ANGLES	
OMINECA M.D., B.C.	
N.T.S.: 94E / 2W	DATE: DECEMBER 1987
PLOTTED BY: R.P.M.	FIGURE NO. 4a



CONTOUR INTERVAL: 5 DEGREES



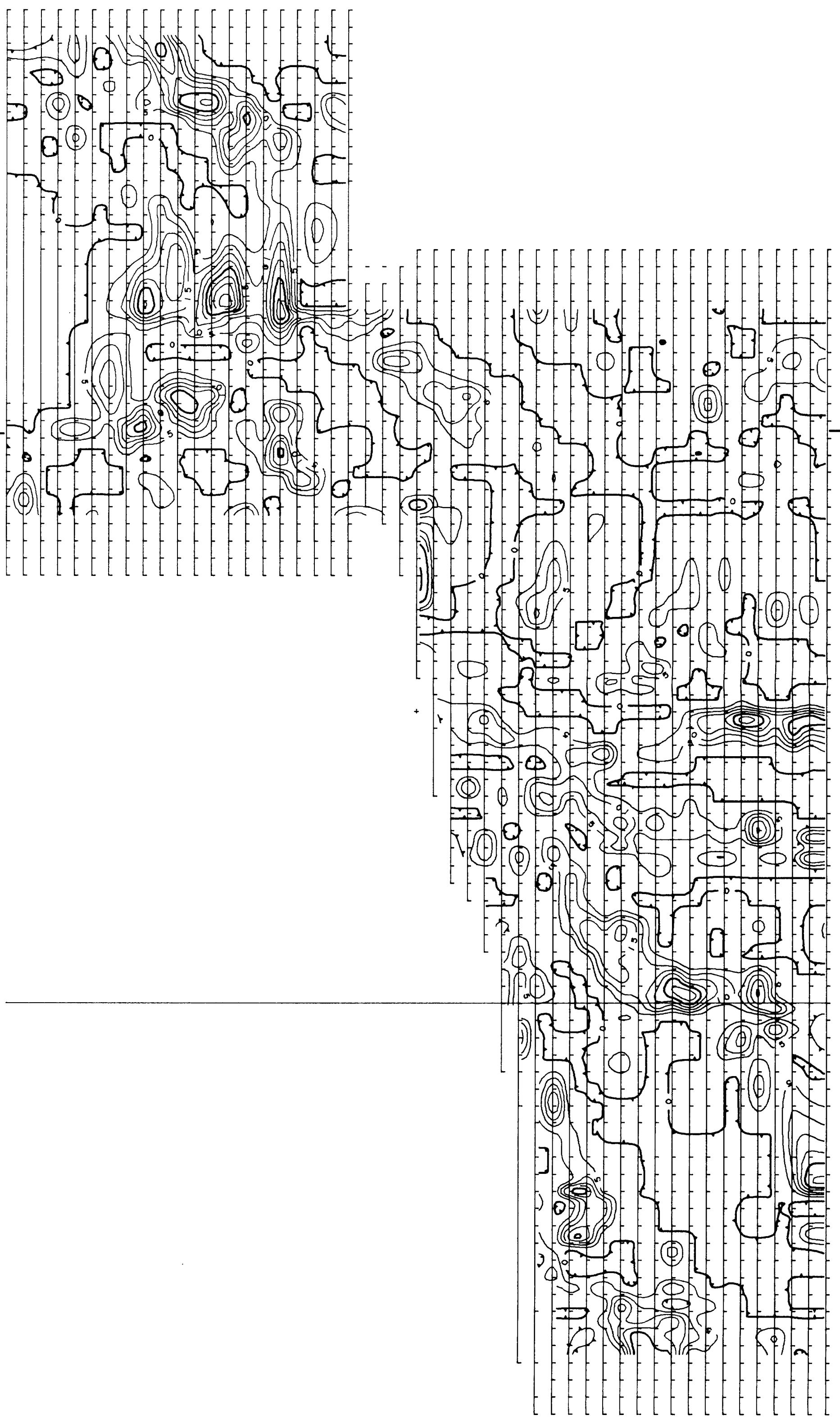
1200W
1175W
1150W
1125W
1100W
1075W
1050W
1025W
1000W
975W
950W
925W
900W
875W
850W
825W
800W
775W
750W
725W
700W
675W
650W
625W
600W
575W
550W
525W
500W
475W
450W
425W
400W
375W
350W
325W
300W
275W
250W
225W
200W
175W
150W
125W
100W
75W
50W
25W
0W

1500N
1300N
1100N
900N
700N
500N
300N
100N
100S
300S
500S
700S

LAKE #2 CLAIM
RON #1 CLAIM

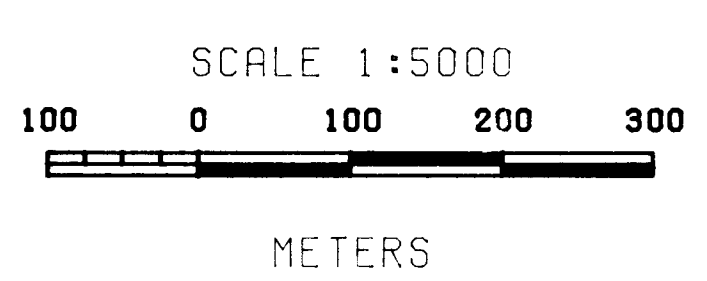
LAKE #2 CLAIM
RON #1 CLAIM

BASELINE



GEOLOGICAL BRANCH
ASSESSMENT REPORT

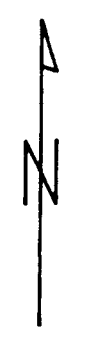
16,882



CONTOUR INTERVAL: 5 DEGREES

THUTADE LAKE PROJECT	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
VLF-EM (HAWAII) VIRTUAL LINES FORWARD FRASER FILTERED DIP ANGLES OMINECA M.D., B.C.	
N.T.S.: 94E / 2W	DATE: DECEMBER 1987
PLOTTED BY: R.P.H.	FIGURE NO. 5a

1200W
1000W
800W
600W
400W
200W
0E

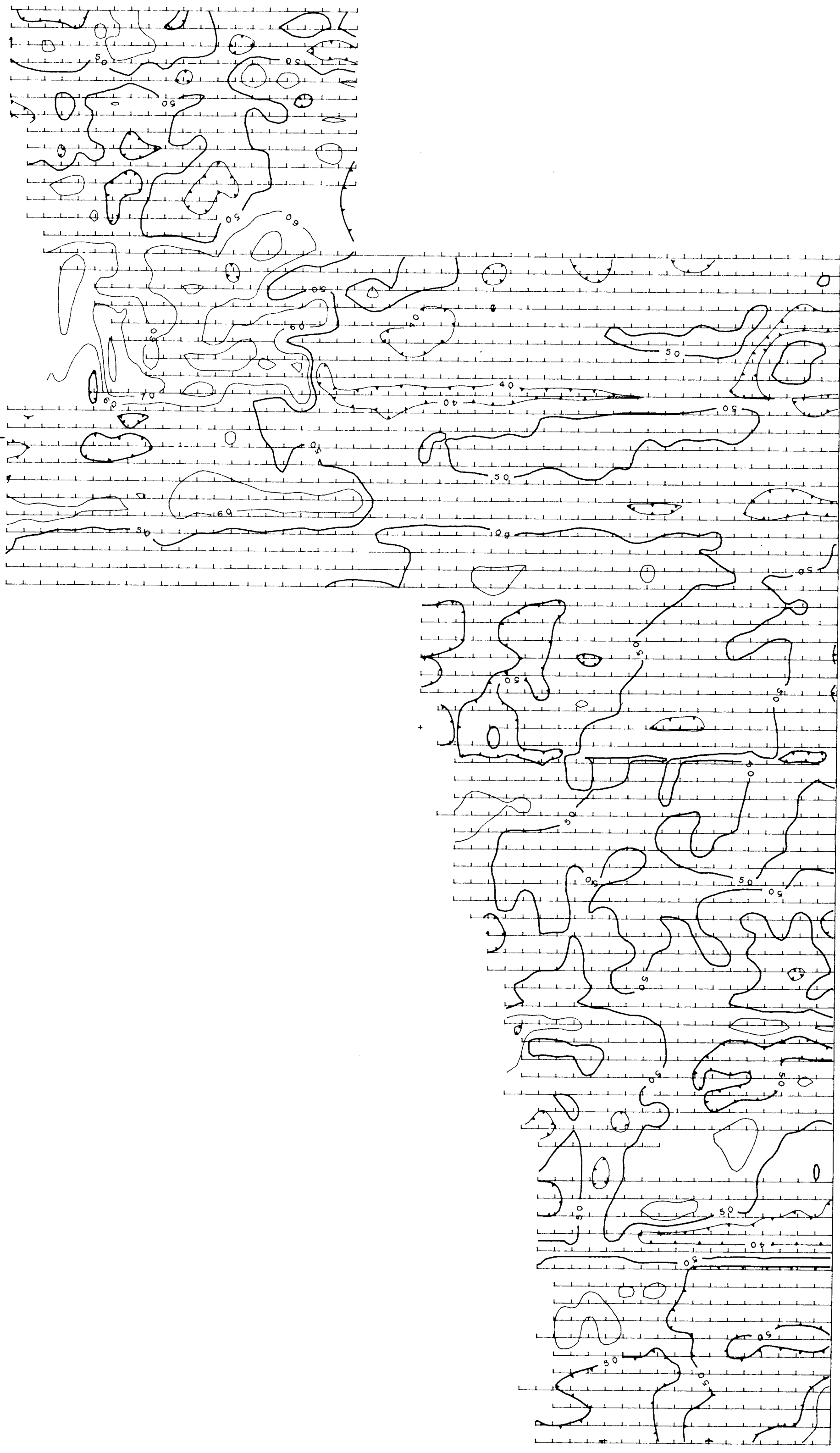


1450N
1425N
1400N
1375N
1350N
1325N
1300N
1275N
1250N
1225N
1200N
1175N
1150N
1125N
1100N
1075N
1050N
1025N
1000N
975N
950N
925N
900N
875N
850N
825N
800N
775N
750N
725N
700N
675N
650N
625N
600N
575N
550N
525N
500N
475N
450N
425N
400N
375N
350N
325N
300N
275N
250N
225N
200N
175N
150N
125N
100N
75N
50N
25N
0S
25S
50S
75S
100S
125S
150S
175S

225S
250S
275S
300S
325S
350S
375S
400S
425S
450S
475S
500S
525S
550S
575S
600S

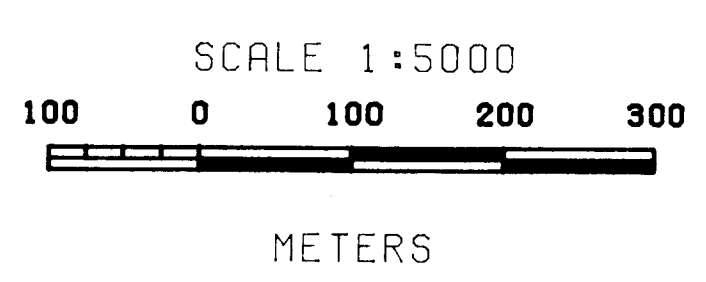
LAKE #2
CLAIM
RON #1
CLAIM

LAKE #2
CLAIM
RON #1
CLAIM



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ASSESSMENT REPORT

16,882



CONTOUR INTERVAL: 5 PERCENT

THUTADE LAKE PROJECT	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
VLF-EM (HAWAII) FIELD STRENGTH OMINECA M.D., B.C.	
N.T.S.: 94E / 2W	DATE: DECEMBER 1987
PLOTTED BY: R.P.H.	FIGURE NO. 5b



— STATION 1200W
 — STATION 1100W
 — STATION 1000W
 — STATION 900W
 — STATION 800W
 — STATION 700W
 — STATION 600W
 — STATION 500W
 — STATION 400W
 — STATION 300W
 — STATION 200W
 — STATION 100W
 — BASELINE

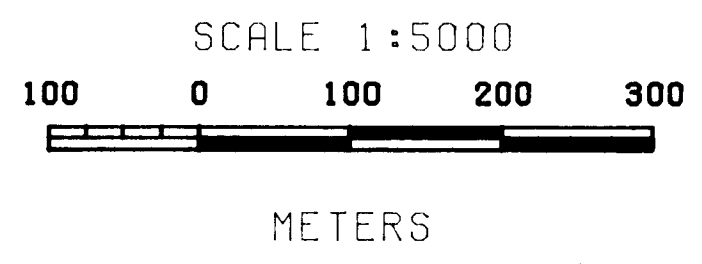
LINE	STATION 1200W	STATION 1100W	STATION 1000W	STATION 900W	STATION 800W	STATION 700W	STATION 600W	STATION 500W	STATION 400W	STATION 300W	STATION 200W	STATION 100W	BASELINE
LINE 1400N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 1300N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 1200N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 1100N	2	1	1	1	1	1	1	1	1	1	1	1	1
LINE 1000N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 900N	3	4	1	1	1	1	1	1	1	1	1	1	1
LINE 800N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 700N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 600N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 500N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 400N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 300N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 200N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 100N	1	1	1	1	1	1	1	1	1	1	1	1	1
LINE 05	1	1	1	1	1	1	1	1	1	1	1	1	1

LAKE #2 CLAIM

RON #1 CLAIM

LAKE #2 CLAIM

RON #1 CLAIM



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,882

TRUTHFUL LAKE PROJECT

PLOTTED BY: RPM MAPPING
AND COMPUTER SERVICES LTD.

SOIL GEOCHEMISTRY

GOLD

OMINECA M.D., B.C.

N.T.S.: 94E / 2W	DATE: DECEMBER 1987
PLOTTED BY: R.P.M.	FIGURE NO. 6a



— STATION 1200W
 — STATION 1100W
 — STATION 1000W
 — STATION 900W
 — STATION 800W
 — STATION 700W
 — STATION 600W
 — STATION 500W
 — STATION 400W
 — STATION 300W
 — STATION 200W
 — STATION 100W
 — BASELINE

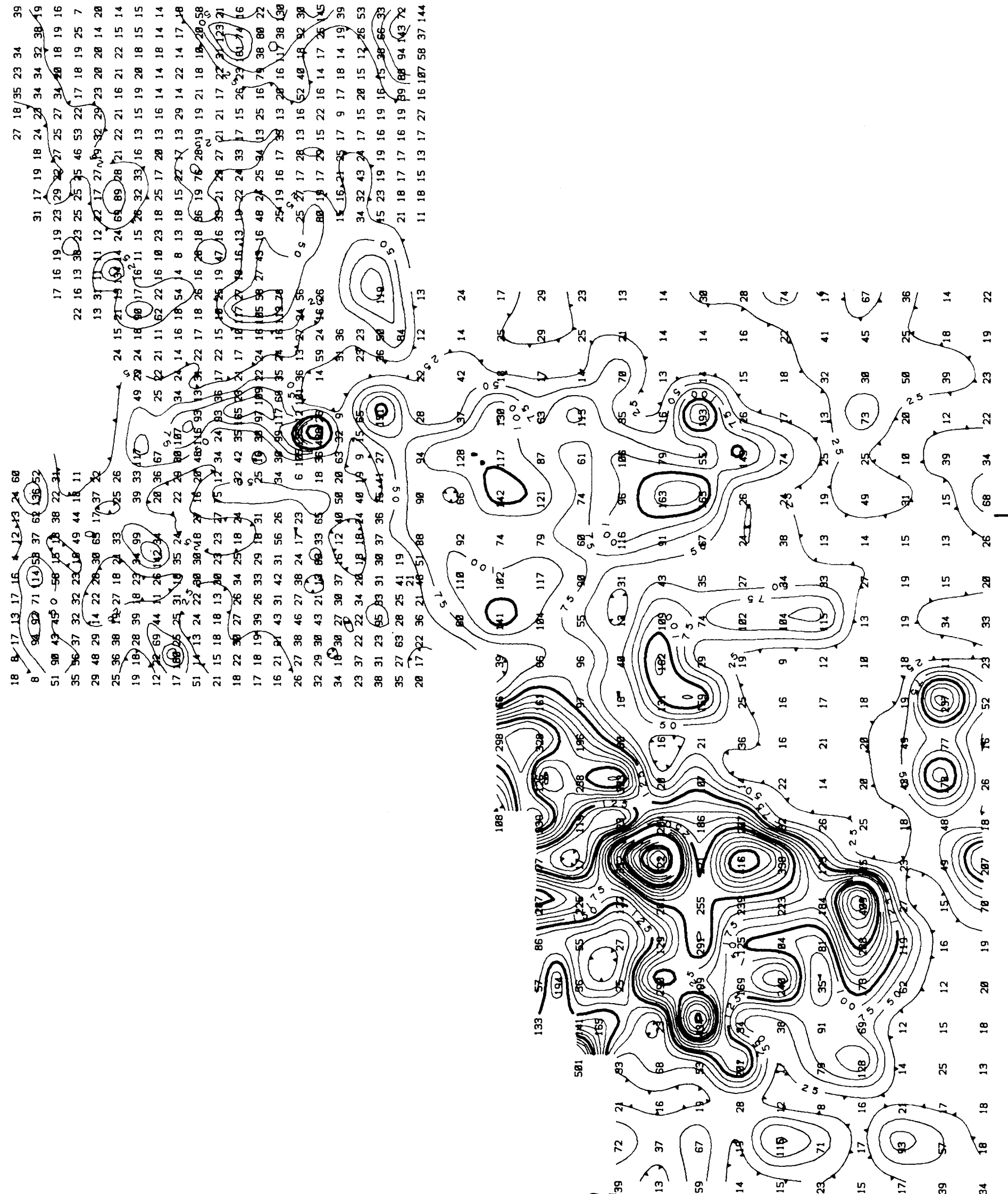
LINE 1400N —
 LINE 1300N —
 LINE 1200N —
 LINE 1100N —
 LINE 1000N —
 LINE 900N —
 LINE 800N —
 LINE 700N —
 LINE 600N —
 LINE 500N —
 LINE 400N —
 LINE 300N —
 LINE 200N —
 LINE 100N —
 LINE 05 —

LAKE #2 CLAIM

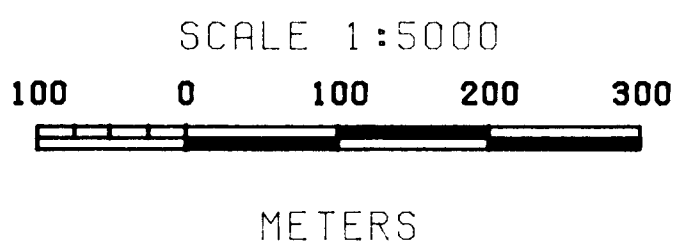
RON #1 CLAIM

LAKE #2 CLAIM

RON #1 CLAIM



GEOLOGICAL BRANCH
 ASSESSMENT REPORT

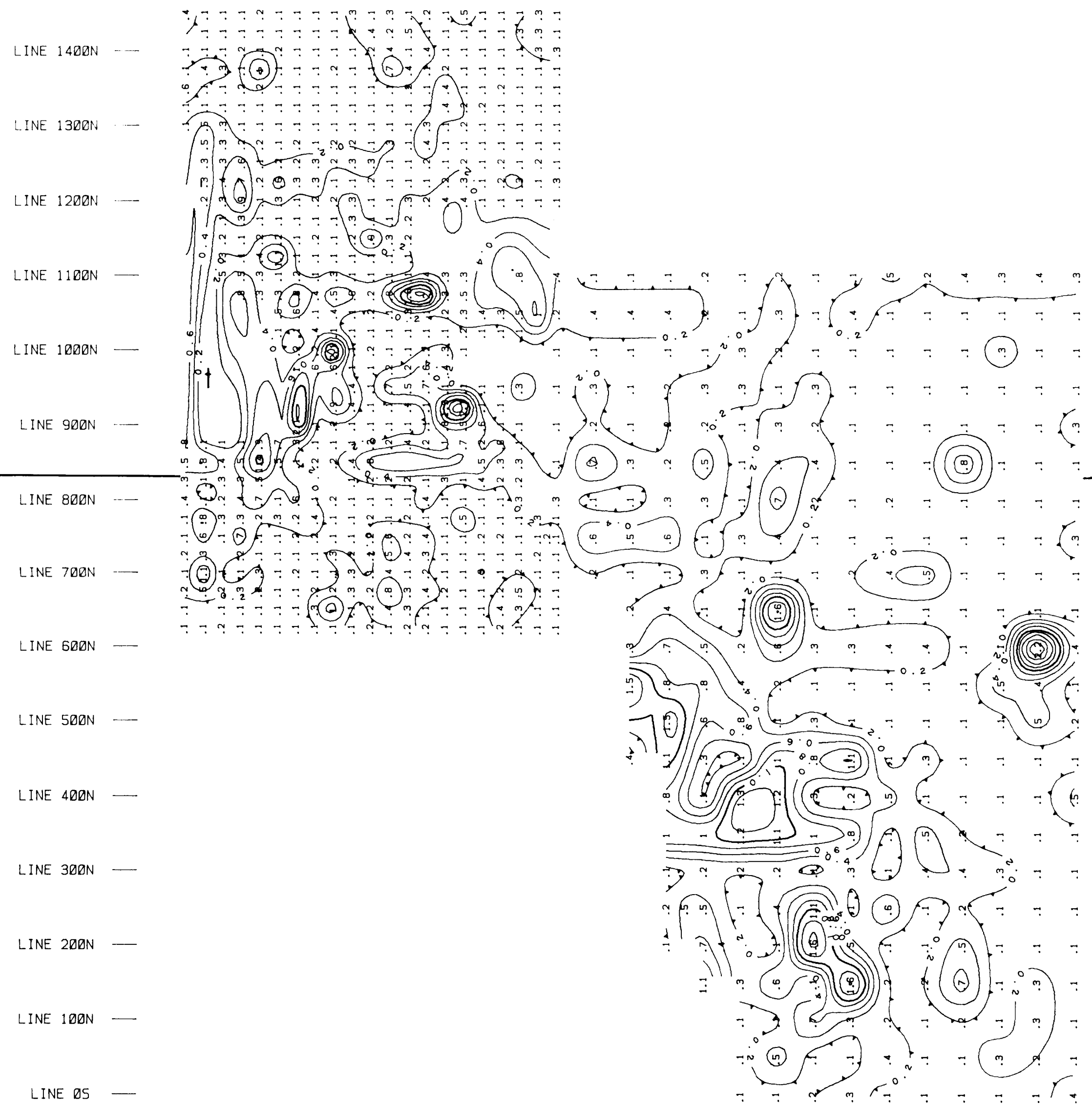


CONTOUR INTERVAL: 25 PPM

<h1 style="font-size: 48px; margin: 0;">16,002</h1>	
<h2 style="margin: 0;">TADPOLE LAKE PROJECT</h2>	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY COPPER OMINECA M.D., B.C.	
N.T.S.: 94E / 2W	DATE: DECEMBER 1987
PLOTTED BY: R.P.M.	FIGURE NO. 6b



--- STATION 1200W
 --- STATION 1100W
 --- STATION 1000W
 --- STATION 900W
 --- STATION 800W
 --- STATION 700W
 --- STATION 600W
 --- STATION 500W
 --- STATION 400W
 --- STATION 300W
 --- STATION 200W
 --- STATION 100W
 --- BASELINE

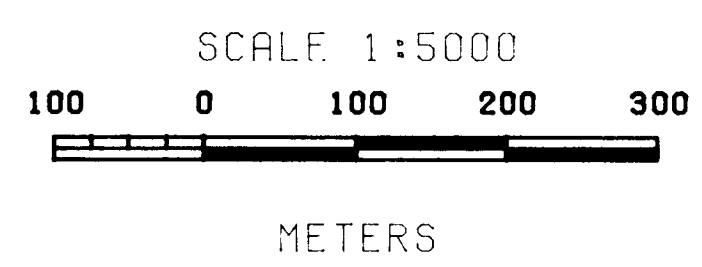


LAKE #2 CLAIM

RON #1 CLAIM

LAKE #2 CLAIM

RON #1 CLAIM

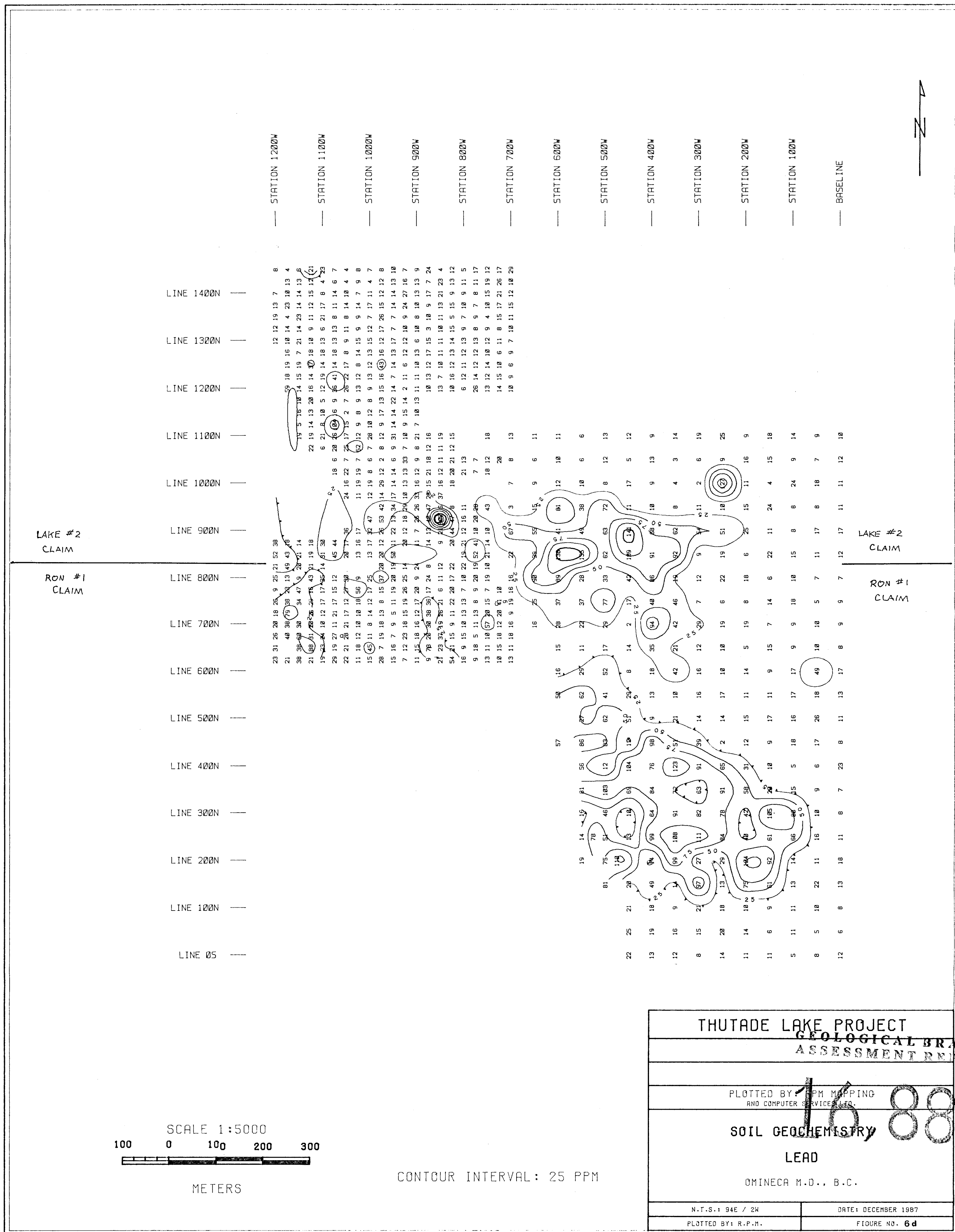


CONTOUR INTERVAL: 0.2 PPM

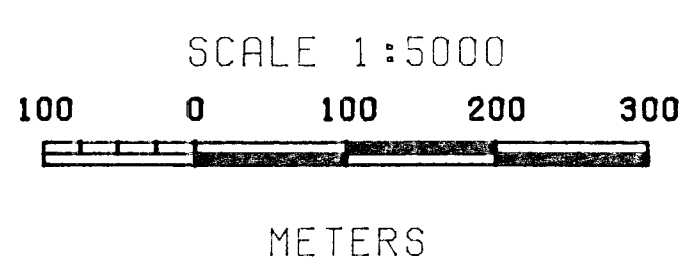
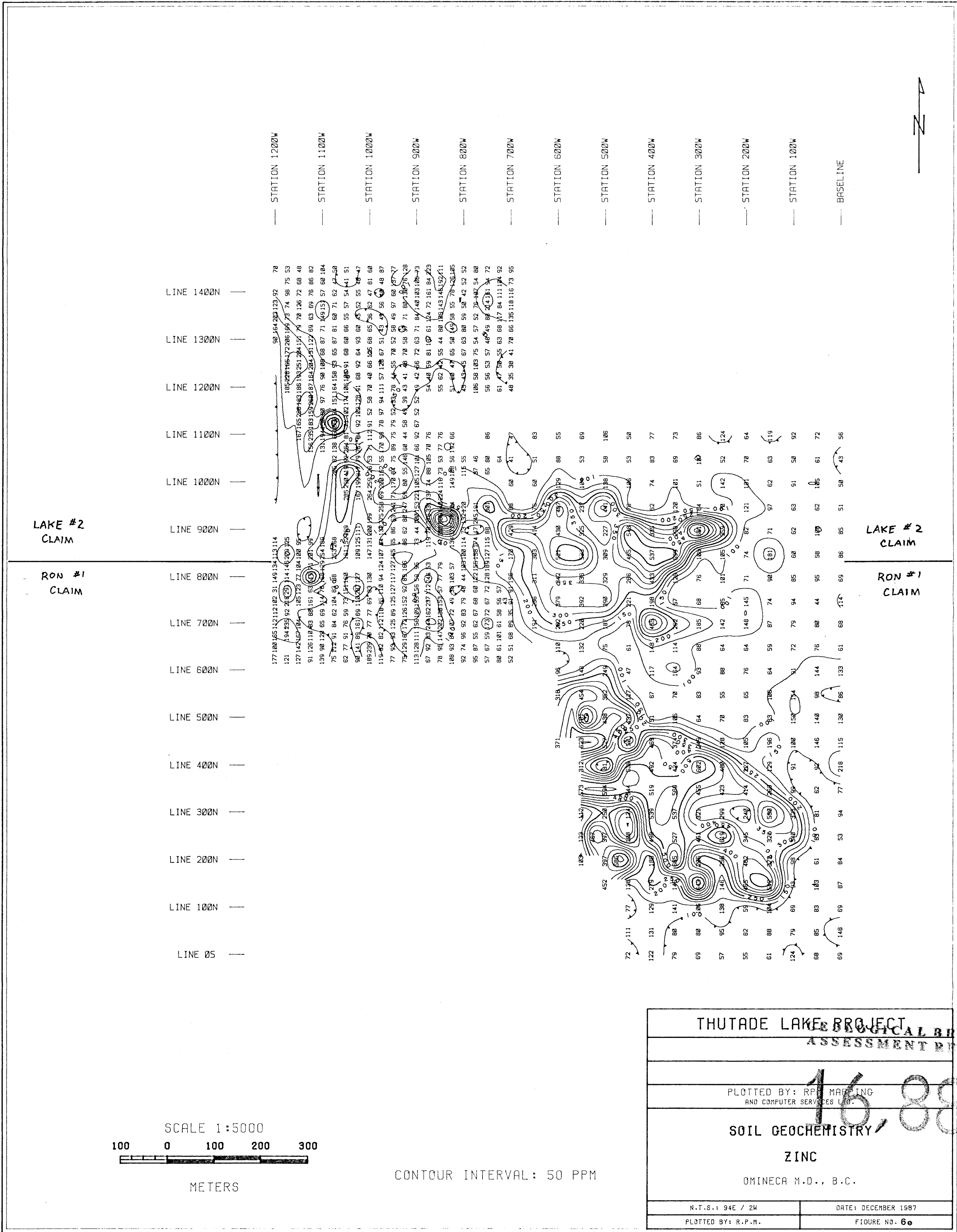
THUTADE LAKE PROJECT	
PLOTTED BY: RPM MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY SILVER OMINECA M.D., B.C.	
N.T.S.: 94E / 2K	DATE: DECEMBER 1987
PLOTTED BY: R.P.M.	

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,882



THUTADE LAKE PROJECT	
GEOLOGICAL BRANCH	
ASSESSMENT REPORT	
PLOTTED BY: R.P.M. MAPPING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY	
LEAD	
OMINECA M.D., B.C.	
N.T.S.: 94E / 2H	DATE: DECEMBER 1987
PLOTTED BY: R.P.M.	FIGURE NO. 6d



CONTOUR INTERVAL: 50 PPM

THUTADE LAKE PROJECT	
AGRICULTURAL BRANCH ASSESSMENT REPORT	
PLOTTED BY: R.P.H. MANNING AND COMPUTER SERVICES LTD.	
SOIL GEOCHEMISTRY	
ZINC	
OMINECA M.O., B.C.	
N.T.S.: 94E / 2W	DATE: DECEMBER 1987
PLOTTED BY: R.P.H.	FIGURE NO. 6e

16,882