



52K13NW0072 2.8382 BAIRD

010

REPORT OF RECENT EXPLORATORY WORK

ON THE

REDAURUM GOLD PROPERTY

BAIRD TOWNSHIP

RED LAKE MINING DIVISION

ONTARIO

FOR

REDAURUM RED LAKE MINES LIMITED

TORONTO, ONTARIO

RECEIVED

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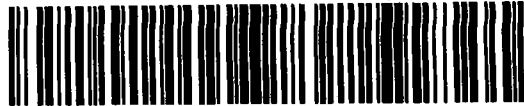
MINING LANDS SECTION

Project 2900

Nts 52 N/4

February 3, 1985

Nelson W. Baker, P. Eng.



52K13NW0072 2.8382 BAIRD

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Pocket

- Map No.1 - Property Compilation (1" = 300 feet)

Attached

Report covering VLF-EM and Magnetic Surveys by Services Exploration
Enr. (January, 1985).

SUMMARY

84

This report describes the recent exploratory work performed by Redaurum Red Lake Gold Mines Limited on their property consisting of 18 claims situated in Baird Township in the Red Lake Mining Division in northwestern Ontario. Between late September and December 21st, a program consisting of detailed mapping, line cutting, ground VLF-EM and magnetic surveys and diamond drilling was carried out on the property at a cost of approximately \$121,000.00. This report has been prepared by the writer at the request of Mr. W. Cummins, the President of Redaurum Red Lake Gold Mines Limited.

In all, eight diamond drill holes totalling 2920 feet were completed on the Redaurum property. Two of the eight holes were drilled to test the northwestern extension of the Camp zone. The remaining six holes were drilled in the vicinity of the 14-A zone to test the continuity of known gold showings.

Significant gold intersections were encountered in all six of the holes drilled along the 14-A zone. Four of the six holes intersected economic gold values over mineable widths. The best hole (RRL-1) intersected three separate economic gold zones: 2.20 ozs. Au/ton across 2.0 feet, .0187 ozs. Au/ton across 9.8 feet and .23 ozs. Au/ton across 9.9 feet. Only low gold values were encountered in the two holes drilled in the Camp zone area although alteration zones indicative of gold deposition were encountered.

A program of limited line cutting, ground geophysical surveys, detailed geological mapping of the new grid area and diamond drilling in the 14-A zone area, the Camp zone and a new zone located about 800 feet north of the 14-A zone, is highly recommended. It is estimated that this proposed program will cost \$353,529.00.

The potential for delineating economic gold ore reserves in the vicinity of 14-A zone are considered to be excellent.

INTRODUCTION

In September 1984, the president of Redaurum Red Lake Gold Mines Limited, Mr. W. Cummins, requested that the writer carry out a detailed geological mapping program over a portion of the 14-claim Redaurum property. Between early October and the middle of November, a two-man geological party began mapping the property, concentrating in the vicinity of the No.3 Zone. Due to inclement weather, the geological mapping program was discontinued.

During the course of our work on the Redaurum property, it became apparent that four (4) unpatented claims immediately adjoining the property were due to expire on October 31st. On November 1st, a four-man party staked the above claims for Redaurum Red Lake Gold Mines Limited.

Due to the geological complexities in the northwest corner of the property, it was decided to establish a new grid to assist us in our program. As a result, a 3.9 mile long base line trending N60°E was established in the vicinity of the No.3, 14A, 2 and Camp Zones. Cross lines cut at 100-foot intervals extending about 1000 feet northwest of the base line and about 500 feet southeast of the base line were established along the entire base line.

The above grid lines were subsequently geophysically surveyed by Services Exploration Enr., employing a proton magnetometer and a EM-16 V.L.F unit. The report covering the above surveys is included as an attachment to this report.

Between December 1st and 21st, eight diamond drill holes totalling 2920 feet were completed by Morissette Diamond Drilling to test the continuity of gold mineralization in the 14-A Zone and Camp Zone areas on the Redaurum property. The results of this drill program are discussed below and a future program is proposed.

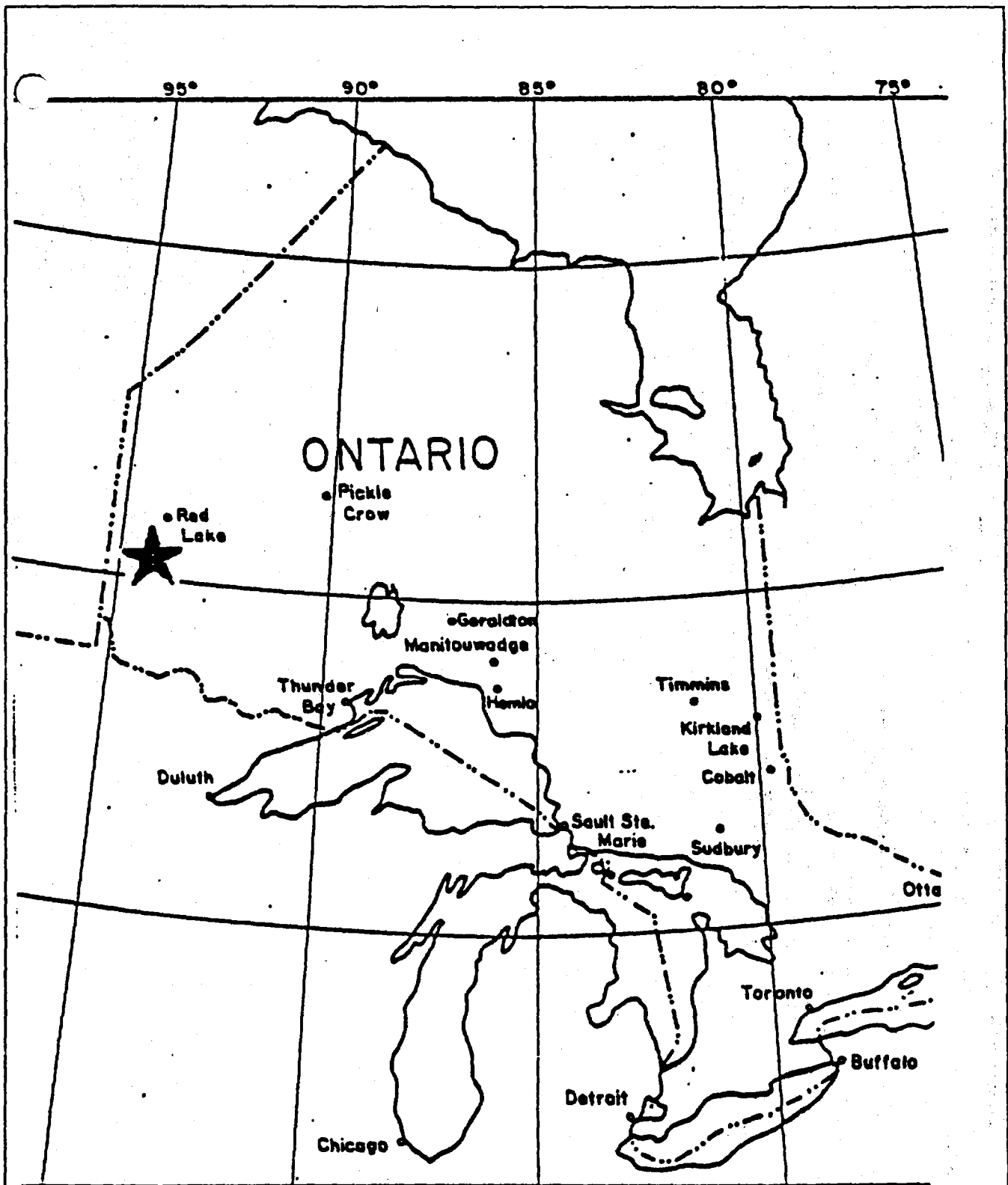


FIGURE 1
 GENERAL LOCATION MAP
 REDAURUM RED LAKE MINES LIMITED
 RED LAKE, ONTARIO



REDAURUM PROPERTY

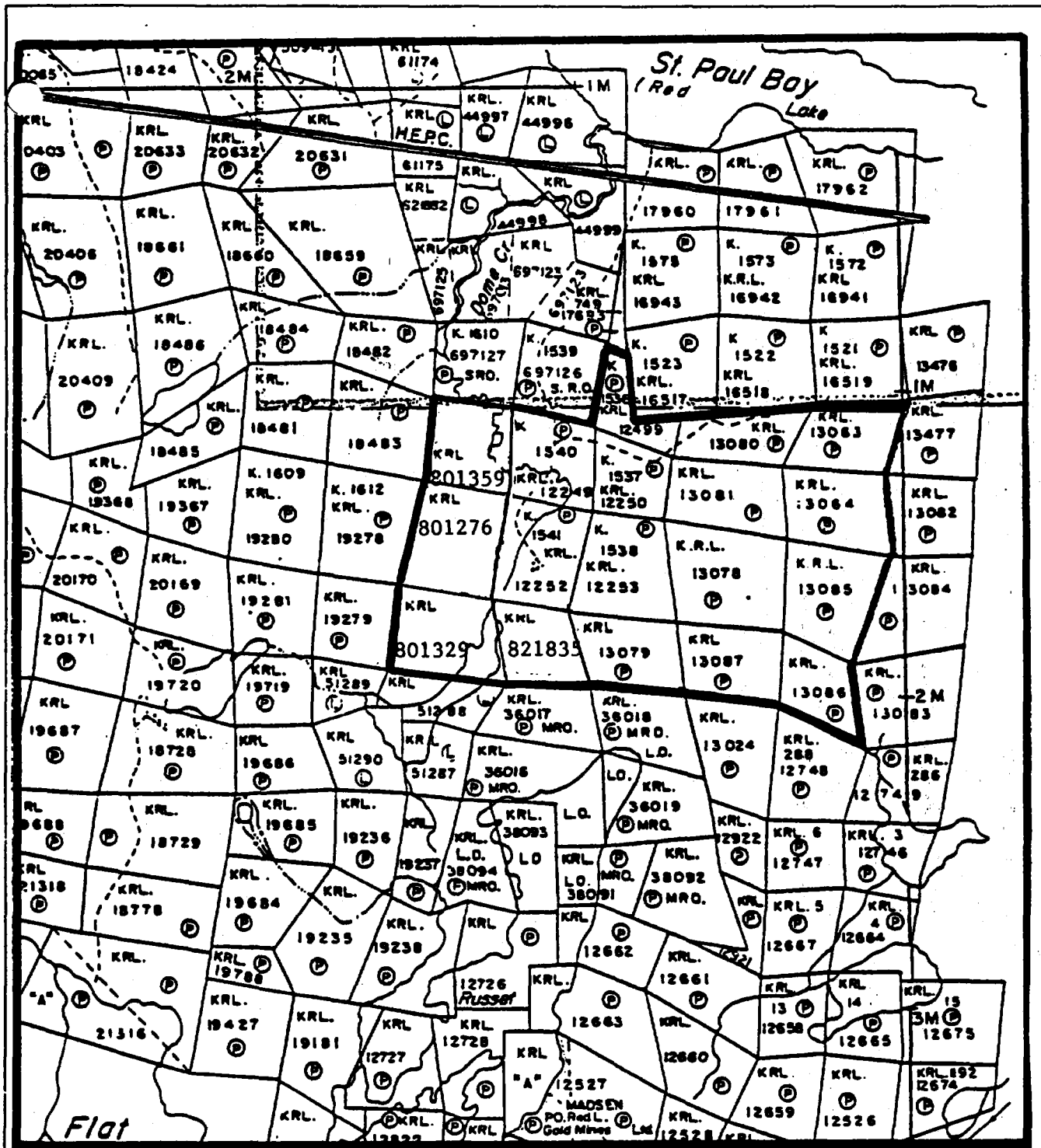


FIGURE 2
CLAIM MAP

FROM PLAN M.2138 BAIRD TOWNSHIP
MINISTRY OF NATURAL RESOURCES OF ONTARIO
SCALE: 1" to 1/2 Mile

PROPERTY DESCRIPTION AND LOCATION (Fig. No.2)

The Redaurum property consists of fourteen (14) contiguous patented mining claims covering 697.19 acres and four (4) contiguous unpatented mining claims covering approximately 160 acres in the northeastern part of Baird Township, Red Lake Mining Division in northwest Ontario. The claims are shown on Figure No.2 and are listed as follows:

a) Patented Claims:

KRL 12249, 12250, 12252, 12253, 12499, 13063, 13064, 13078, 13079, 13080, 13081, 13085, 13086, and 13087 inclusive.

b) Unpatented Claims:

801276, 801329, 801359, and 821835 inclusive.

The Redaurum property is located about 7 miles southwest of the town of Red Lake, Ontario. (Fig. No.1). The area is accessible via a bush road which branches westward from highway 618 linking Red Lake with the Madsen townsite.

The property is also accessible by boat from the town of Red Lake by following the shore line of Red Lake to St. Paul Bay. From the southern edge of the bay, a good trail leads southwards to the claim group.

ACCESSIBILITY AND LOCAL RESOURCES

The Red Lake gold camp centered on latitude 50° 20' north and longitude 93°50' west, is located in northwestern Ontario in the Patricia portion of the District of Kenora. It is readily accessible by air and highway from several important metropolitan and commercial centres in central Canada being serviced by daily flights from Winnipeg, Manitoba 165 air miles to the southwest, and from Toronto via Dryden, the latter about 125 miles to the southeast. Paved highway 105 connects the town of Red Lake with Vermilion Bay on Trans Canada Highway 17 about 115 miles to the south and well-maintained paved roads connect the other communities in the district, Balmertown, Cochenour and Madsen, with Red Lake itself.

Power to the area is supplied by Ontario Hydro from its hydroelectric plant at Ear Falls on the English River located about 40 miles south of Red Lake, with an installed capacity of 25,000 brake horsepower (21,500 kva) and which is connected to both the Ontario and Manitoba power grids.

The topography of the Red Lake region is typical of that of other Precambrian Shield areas in northern Ontario. Red Lake itself is, 1,157 feet above sea level and the maximum difference in relief is probably not more than 250 or 300 feet. The population of Red Lake and the several nearby communities varies from season to season but probably averages around 3,000. Many of the native Indian people are migratory in nature, and during the summer months the population is swelled by a great number of tourists visiting the area.

The Red Lake area has developed into a well organized and modern district with both primary and secondary schools, a wide variety of shopping facilities, hospitals, mine supply warehouses, and a skilled and mining oriented labour pool.

AREA AND PROPERTY GEOLOGY

The Redaurum property is situated in the Red Lake metavolcanic-metasedimentary or 'greenstone' belt with rocks all belonging to the Archaean Superior Province. They consist entirely of mafic to ultramafic meta-volcanic rocks, chemical sedimentary rocks or lean iron-formation and some felsic to intermediate cross cutting late stage dikes. Generally, most rocks of interest in these zones are mafic volcanics, more specifically, magnesian to iron tholeiitic basalts which are massive in nature. Iron-tholeiites can be classified solely on their darker appearance and their magnetic nature in the field while magnesian rich tholeiitic basalts are non-magnetic, and, are generally lighter grey in colour.

Typical massive tholeiitic flows are light to medium grey to grey green, aphanitic to fine grained, and are rarely unaltered. Fresh unaltered rocks, where they do appear, are highly chloritic and thus tend to be much greener. The main focus of the study was to attempt to define the nature, extent and location of the alteration which affected the volcanic pile in this area.

In the northwest part of the Redaurum property, an alteration zone trends through the Camp, No.2, No.3 and No.14-A zones generally in a N60°E direction. Here, the early work indicated that relatively good gold values existed all coincident with this zone of alteration.

The rocks are altered in two methods. These are characterized by differing levels of carbonatization and silicification. Highly carbonatized rocks are very light grey in colour with high proportion of quartz and carbonate found in small discontinuous veins and stringers, formed through fracture filling of sheared or brittle rock. Where the veining is extensive, deep red brown weathered surfaces exist. Also, sulphide mineralization consisting of mainly fine disseminated pyrite, with chalcopyrite and arsenopyrite occurring in trace or minor amounts is usually significant, and, seems to accompany the hydrothermal alteration. Heavily veined zones occur where alteration is more pronounced. Veins and stringers tend to parallel schistosity which is generally in an east-west trend in the No.3 zone.

Silicification usually accompanies carbonatization in some form, however, silicified non-carbonatized rocks do exist in the No.3 zone. Patchy siliceous surface quartz veins and stringers or wholly silicified altered rocks are common. These very light grey rocks seem to fracture conchoidally when totally silicified. This may or may not be affected by veining. The 14-A zone is characterized by this silicified 'cherty' looking rock and, has significant mineralization. Further study and field mapping of this zone is highly recommended.

The alteration is also accompanied by the presence of talc, epidote, dolomite and/or ankerite, and a totally recrystallized 'green carbonate' alteration consisting of chlorite, actinolite, carbonate and fuchsite. Although no significant mineralization is found in these areas, the presence of the rock is a favourable indicator of gold deposition.

A major geological feature of the No.3 zone and the Camp zone is the presence of an oxide facies "Superior" lean iron formation. The siliceous cherty to well laminated and banded unit is approximately 10-25 feet wide and is rarely exposed on the Redaurum property because of its tendency to occur in low swampy terrain. Magnetite is the prevalent oxide mineral occurring in veins and laminar bands. The alteration which affected the volcanic rocks most likely emplaced significant pyrite in cross cutting veins and stringers throughout the iron formation. Some primary sedimentary banding and laminations does exist despite the regional metamorphic upper greenschist grade.

The potential gold bearing zone within the area of highly hydrothermally altered rocks should follow models of similar deposits in the Red Lake gold camp. Virtually all of the gold mineralization has an epigenetic aspect and is structurally controlled in lenses, veins and fracture fillings.

HISTORY OF PREVIOUS WORK

Although some exploration was completed on the Redaurum property in 1926 by Dome Mines Limited, most of the work was carried out between 1936 and 1938 by Redaurum Red Lake Gold Mines Limited which was an amalgamation of five claims held by Paulore Gold Mines Limited and the adjoining nine claims held by Rajah Red Lake Gold Mines Limited that were entirely within Baird township:

- 1936 - 1938 General exploration and trenching followed by 9,612 feet of diamond drilling. In 1937, a 3-compartment vertical shaft sunk to a depth of 322 feet in the southeast corner of claim K1541, and in the same year and 1938, two levels and one sublevel were established. A total of 975 feet of development work was carried out by Paulore and Rajah. There was no gold production from underground.

- 1939 Howey Gold Mines Limited drilled 883 feet in 2 surface holes.

- 1944 - 1946 Redaurum Red Lake Gold Mines Limited completed about 15,000 feet of surface diamond drilling.

- 1978 - 1979 The company's name was changed to Orelock Explorations Limited who carried out line cutting, geological mapping, magnetic and electromagnetic surveying under the supervision of Mr. D. Bourne. A total of 2,476 feet of diamond drilling in 8 holes was completed. No gold or silver values were intersected although valuable structural information was obtained.

RECENT WORK COMPLETED ON THE REDAURUM PROPERTY

a) Detailed Geological Mapping:

On October 7, 1984 field mapping activities were initiated on the Redaurum by Nelson W. Baker Geological Services Limited. Initially, a two-man crew traversed the entire property at approximately quarter-mile intervals and inspected most of the early trenches. Based on the above work, it was concluded that the gold minealization occurring on the Redaurum property was largely confined to a 1000-foot wide alteration zone (Map No.1) which trended through the northwest part of the claim group in a east-northeast direction.

Due to the relationship between the gold mineralization and the alteration zone, it was decided to detail map the numerous trenches on the property beginning with the No.3 zone. Due to inclement weather in mid-November, only the No.3 zone was completely mapped at a scale of 1"= 10 feet.

A total of 21 grab samples were taken from the trenches. A copy of the results are included in Appendix I to this report. The above grab samples were selectively taken in areas where the alteration and pyrite mineralization were strongest.

b) Line Cutting, Ground V.L.F.-E.M and Magnetic Surveys:

In mid-November 1984, a new grid line was established in the northwest part of the Redaurum property essentially to cover most of the alteration zone outlined on Map No.1 . The base line, which extends southwesterly into the newly acquired claims was cut for a length of 3.9 miles in a N60°E direction. Cross lines were cut at 100-foot intervals over the entire length of the base line and stations at every 100 feet were picketed. In all a total of 16.8 miles of cross lines were cut and chained.

Following the completion of the lines, a geophysical contractor, Services Exploration Enr., completed a combined magnetic and V.L.F-E.M surveys over the entire grid. The results of the above surveys are described in a separate report by Services Exploration Enr. dated January, 1985 which is attached to this report.

c) Diamond Drill Program:

Between November 26th and December 21st of 1984, Morissette Diamond Drilling Limited were contracted by Redaurum to drill eight drill holes totalling 2,920 feet on the property. Six of the eight holes were drilled to test the continuity of economic gold interceptions obtained in previous drilling in the area of 14-A zone.

The other two drill holes, totalling 714 feet were drilled on the newly acquired claims primarily to test a strong V.L.F-E.M response and also to test the possible extension of the Camp zone.

The core was transported to Red Lake where it was subsequently logged and sampled where required. All samples were analysed for gold at Paul's Custom Fire Assaying Limited in Cochenour, Ontario. In all, a total of 631 core samples were analysed at the Cochenour laboratory. As well, a total of 72 check assays were done at the Swastika Laboratories Limited, in Swastika, Ontario.

Sludge samples were collected for all eight drill holes, however, only 91 samples were analysed at present. The sludge samples were sent to Warnock Hersey Services Limited in Winnipeg, Manitoba for analysis.

A copy of all the analytical results is included in this report as Appendix III. A copy of the diamond drill logs and drill sections for each hole (i.e. Figures 3 to 11 inclusive) are included as Appendix I and II to this report.

DISCUSSION OF RESULTS

Six drill holes totalling 2206 feet were drilled along the 14-A zone to test the continuity of the gold zones uncovered previously in past drilling and trenching. Significant gold intersections were encountered in all six holes. The following is a summary of the intersections encountered during the December drill program.

<u>Hole No.</u>	<u>Interval</u>	<u>Width (ft.)</u>	<u>Value Ozs. Au/ton</u>
RRL - 1	104.0-106.0	2.0'	1.14A
	196.2-215.0	9.8'	2.20B
	275.7-301.6	9.9'	.187
RRL - 2			.23
	96.4-98.4	2.0	.28A
			.32B

<u>Hole No.</u>	<u>Interval</u>	<u>Width (ft.)</u>	<u>Value</u> <u>Ozs.Au/ton</u>
RRL - 3	72.0-74.0	2.0'	1.16
RRL - 4	185.0-191.0	6.0'	.16
RRL - 5	71.0-77.0	6.0'	.16
RRL - 6	232.0-236.0	4.0'	.09

The above gold mineralization appears to occur in the native form either with narrow quartz carbonate veins which were intersected in holes RRL - 1 and RRL - 3 or associated with pyritic zones generally in a dark grey/black, cherty or silicified alteration areas.

Geologically, the rocks intersected in the vicinity of the 14-A zone are remarkably similar to those hosting the major gold deposit at the Campbell Red Lake mine. The following observations concerning the 14-A zone drilling has been made:

- a) there are possibly three separate, economic gold zones in the vicinity of 14-A zone that offer the potential of outlining substantial mineable ore reserves;
- b) in contrast to previous drilling, at least one gold zone (northern) displays good continuity having been intersected in five of the six holes for a minimum strike length of 350 feet;
- c) hole RRL-6 may have collared ahead of the northern zone;
- d) there appears to be good correlation between the gold zones and the filtered VLF-EM survey data completed last fall;
- e) the density of gold occurrences is higher where alteration is strongest;
- f) geology in the vicinity of the 14-A and No.3 zones is complex and further detailed mapping in this area would greatly assist future drilling;
- g) the compilation of data suggests there may be a link between at least one of the gold zones in the 14-A area and the strongest one intersected in the No.3 zone.

The other two holes, each 357 feet deep, were drilled in the vicinity of the Camp zone in the northwestern part of the Redaurum property. These two holes were drilled to provide assessment credits for the newly acquired claims by drilling the northwesterly extension of the Camp zone (RRL-8) and by testing a strong VLF-EM anomaly (RRL-7). Although favourable alteration zones were intersected in both holes, only low gold values were obtained in the drilling. A better understanding of the local geology will be required before any additional drilling is performed in the Camp zone area.

CONCLUSIONS AND RECOMMENDATIONS

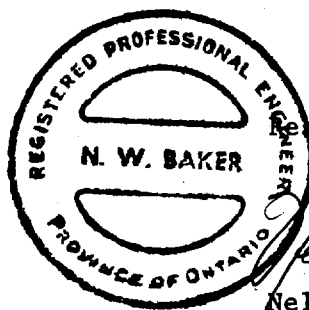
Three separate economic gold zones, in a geological setting similar to the rocks hosting the rich Campbell Red Lake gold mine, have been outlined by a recent drill program in the 14-A zone area. The area hosting the above gold zones is geologically complex and little understood. At least one of the three gold zones displays remarkable continuity, having been traced by drilling for a minimum strike length of 350 feet and is considered to be open at both ends. The gold zones appear to be structurally controlled displaying good correlation with the filtered VLF-EM anomaly. The potential for outlining substantial mineable ore reserves is considered to be excellent between the 14-A and No.3 zones. As well, the Camp zone and an area about 800 feet north of the 14-A zone both have significant gold intersections in past drilling.

In light of the results obtained in our program last fall, it is highly recommended that we carry out the following program:

- 1) Extend the present "new" grid lines over the entire Camp zone since, presently, only part of the zone is covered.
- 2) Detail geologically map the entire "new" grid area.
- 3) Detailed diamond drilling of the 14-A gold zones. An estimate of 10,000 feet of drilling would be required.
- 4) Additional diamond drilling of the Camp zone. An estimate of 2,000 feet of drilling is proposed.
- 5) Additional diamond drilling of zone 800 feet north of the 14-A zone. It is estimated that 1000 feet of drilling would be required.

COST ESTIMATES OF PROPOSED PROGRAM

Line Cutting		
3 miles @ \$330.00		\$990.00
Ground VLF - EM & Magnetic Surveys		
3 miles @ \$300.00		900.00
Detailed Geological Mapping		
3 mths @ 13,000/mth		39,000.00
Diamond Drilling		
13,000 feet @ \$20.00		260,000.00
Analytical Costs		15,000.00
Drill Supervision		
3 mths @ \$7500.00		22,500.00
Consulting (i.e Reports & Maps etc.)		<u>13,000.00</u>
	Total	\$321,390.00
	10% Contingency	<u>32,139.00</u>
	Total required	\$353,529.00



Respectfully submitted

Nelson W. Baker
 Nelson W. Baker, P. Eng.

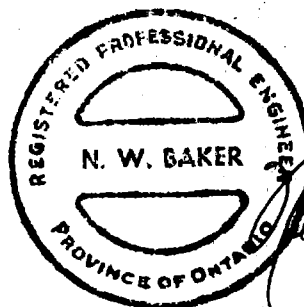
CERTIFICATE OF QUALIFICATION

I, Nelson W. Baker, hereby certify that:

- 1) I reside at 54 D'Arcy Magee Crescent, West Hill, Ontario, M1C 2T5.
- 2) I am a qualified geological engineer, having received my training at the South Dakota School of mines in Rapid City, South Dakota, U.S.A.
- 3) I am a registered Professional Engineer of Ontario.
- 4) I have been continuously engaged in my profession for the last seventeen years.
- 5) The foregoing report for Redaurum Red Lake Gold Mines Limited is based on the records of work done by previous owners, published geological maps and reports, assessment work files, personal visits on the property, and the supervision of the diamond drill program.
- 6) I do not have, nor do I expect to receive any interest in the property described herein.
- 7) I hereby consent to use of the foregoing report by Redaurum Red Lake Gold Mines Limited or any Company concerned with the property described herein in a prospectus or statement of material facts relating to the raising of fund for this project.

Toronto, Ontario

February 3, 1985



Nelson W. Baker
Nelson W. Baker, P. Eng.

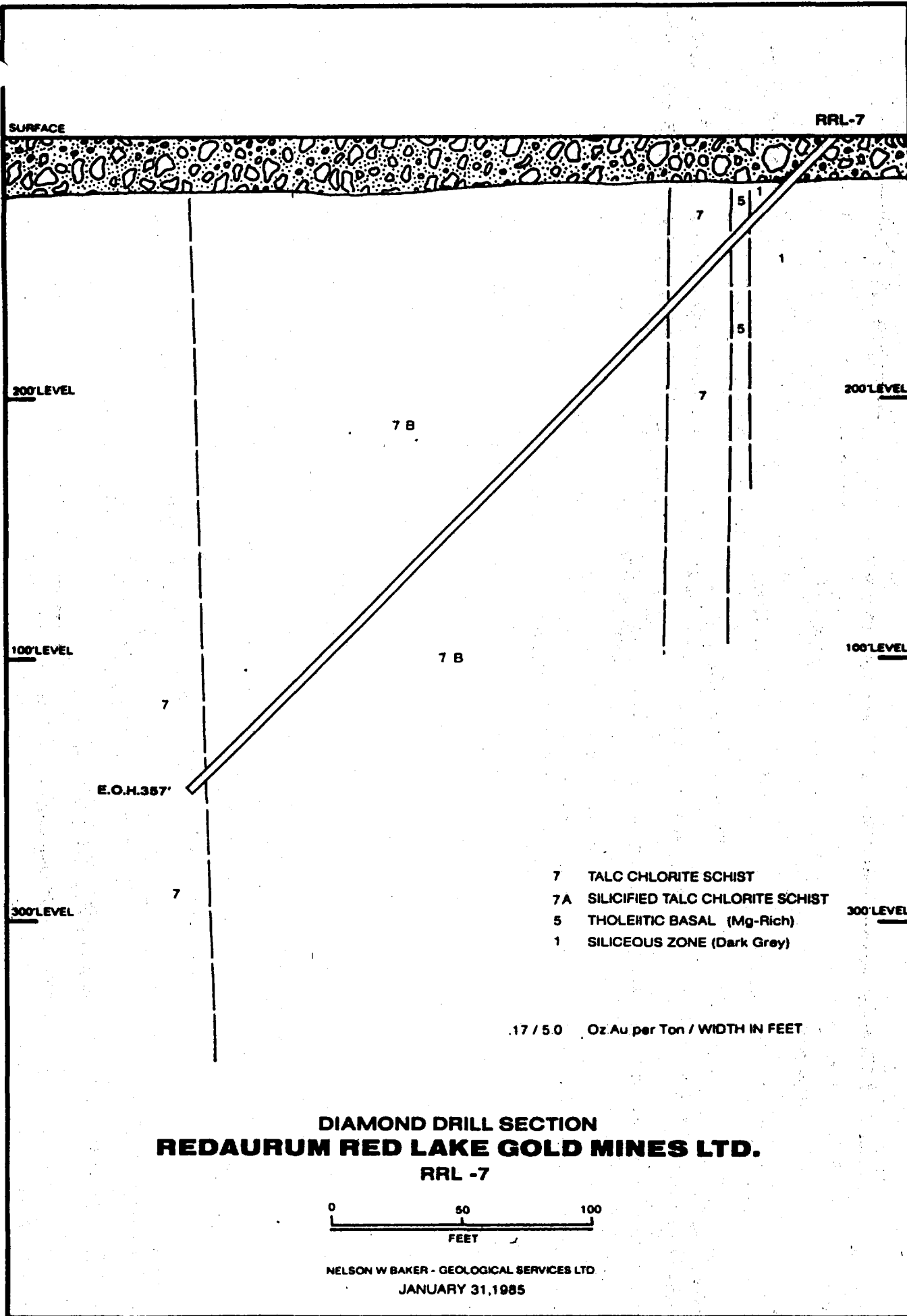
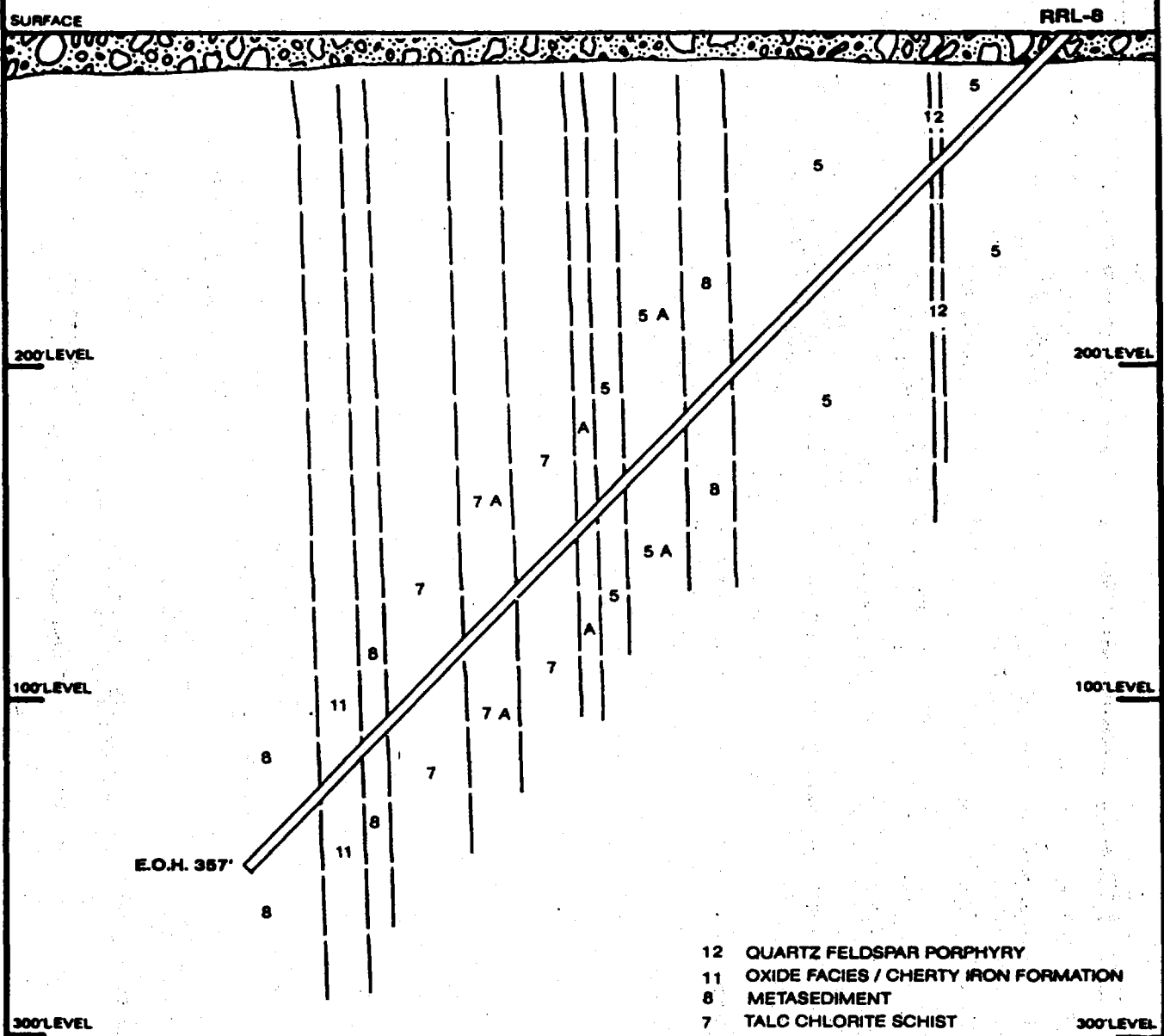


FIGURE 10



- 12 QUARTZ FELDSPAR PORPHYRY
- 11 OXIDE FACIES / CHERTY IRON FORMATION
- 8 METASEDIMENT
- 7 TALC CHLORITE SCHIST
- 7A PYROXENITE
- 5 THOLEIITIC BASALT(Ng-Rich)
- 5A GABBROIC THOLEIITIC BASALT
- A ALTERATION ZONE-BIOTITIC

.17 / 50 Oz.Au per Ton / WIDTH IN FEET

**DIAMOND DRILL SECTION
REDAURUM RED LAKE GOLD MINES LTD.
RRL -8**



NELSON W BAKER - GEOLOGICAL SERVICES LTD
JANUARY 31, 1985

FIGURE 11

DIAMOND DRILL RECORD

NAME OF PROPERTY Redaurum Red Lake Mines Limited
 HOLE NO. RRL-7 LENGTH _____
 LOCATION _____
 LATITUDE DEPARTURE _____
 ELEVATION AZIMUTH _____ DIP -45°
 STARTED _____ FINISHED _____

HOLE NO. RRL-7 SHEET NO. 1
 REMARKS
Drilled by Morissette
BQ core
 LOGGED BY R. McIntosh

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO		NO.	PH. SICES	FOOTAGE FROM TO	%	oz/TON	
0	22.0	Casing	8564		21	23	2.0	Tr.
			8565		23	25	2.0	Tr.
22.0	47.3	Tholeiitic Basalt - Mg rich, silicified zone. Dark to med. grey to grey green when more highly chloritic. Aphanitic to fine grained.	8566		25	27	2.0	0.01
			8567		27	29	2.0	0.01
			8568		29	31	2.0	Tr.
			8569		31	33	2.0	Tr.
		22.0 - 27.8 - Frequent to moderate pygmatic Q.C.V and stringers most under 1/2" in width composed of coarse quartz carbonate.	8570		33	35	2.0	Tr.
			8571		35	37	2.0	Tr.
			8572		37	39	2.0	Tr.
		27.8 - 47.3 - Heavy Q.C.V and stringers most irregular to pygmatic, some cross cutting. Tr. Py associated to heavier concentrations.	8573		39	41	2.0	Tr.
			8574		41	43	2.0	Tr.
			8575		43	45	2.0	0.02
			8576		45	47	2.0	Tr.
			8577		47	49	2.0	Tr.
			8578		81	83	2.0	0.01
47.3	61.4	Tholeiitic Basalt - Mg rich Massive aphanitic flow with rare to absent Q.C.V. Highly chloritic Foliation at 50° to C.A although very indistinct.	8579		83	85	2.0	Tr.
			8580		85	87	2.0	Tr.
			8581		97	99	2.0	Tr.
			8582		99	101	2.0	Tr.
			8583		101	103	2.0	Tr.
			8584		103	105	2.0	Tr.
			8585		105	107	2.0	Tr.
			8586		107	109	2.0	0.01
			8587		109	111	2.0	0.01
88.1	91.0	Undifferentiated Ultramafic - Pyroxenite? Fine grained very dark grey to black. Heavy phenocrysts of pyroxene. Lack of chilled margins rules out dioritic dike or similar unit.	8588		117	119	2.0	Tr.
			8589		119	121	2.0	Tr.
			8590		121	123	2.0	Tr.
			8591		123	125	2.0	Tr.
			8592		125	127	2.0	Tr.
			8593		127	129	2.0	Tr.
			8594		137	139	2.0	Tr.
			8595		139	141	2.0	Tr.
			8596		141	143	2.0	0.01
91.0	94.3	Talc Chlorite Schist	8597		143	145	2.0	Tr.

DIAMOND DRILL RECORD

NAME OF PROPERTY Redaurum Red Lake Mines Limited
 HOLE NO. RRL-8 LENGTH 317'
 LOCATION _____ DEPARTURE _____
 LATITUDE _____ AZIMUTH DIP -45°
 ELEVATION _____ FINISHED _____

HOLE NO. RRL-8 SHEET NO. 1

REMARKS _____

LOGGED BY _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

FOOTAGE FROM TO	DESCRIPTION	SAMPLE			ASSAYS		
		NO.	% PHOSPHORUS	FOOTAGE FROM TO	%	ALL OZ./TON	
0	Casing	8501		17	19	2.0	Tr.
12.0	Tholeiitic Basalt - Mg - rich Light green grey in colour with occas. mafic phenocrysts. Massive aphanitic to fine grained flow with infrequent, scattered narrow Q.C stringers.	8502		20	22	2.0	Tr.
59.8		8503		25	27	2.0	Tr.
		8504		27	29	2.0	0.01
		8505		29	31	2.0	Tr.
		8506		31	33	2.0	Tr.
		8507		53	55	2.0	0.02
		8508		55	57	2.0	0.02
59.8	Quartz Feldspar Porphyry - 'Granodiorite Dike' Intrusive upper contact. Lath shaped phenocrysts of quartz and pink feldspar. Very micaceous in parts with both phlogopite and biotite. Zone is somewhat carbonatized. Poss. similar to 'dike' referred to in old logging, is most likely a porphyry.	8509		60.5	63.0	2.5	Tr.
		8510		63	65	2.0	0.01
		8511		65	67	2.0	Tr.
		8512		73	75	2.0	Tr.
		8513		75	77	2.0	Tr.
		8514		77	79	2.0	Tr.
		8515		79	81	2.0	0.01
63.0	Tholeiitic Basalt - Mg - rich 73.8 - 75.0 - Q.C.V - coarse grained barren vein.	8516		81	83	2.0	0.01
		8517		83	85	2.0	Tr.
		8518		85	87	2.0	0.01
		8519		87	89	2.0	Tr.
		8520		89	91	2.0	Tr.
		8521		101	103	2.0	0.02
		8522		103	105	2.0	Tr.
		8523		105	107	2.0	Tr.
		8524		111	113	2.0	0.01
		8525		113	115	2.0	Tr.
		8526		115	117	2.0	Tr.
		8527		125	127	2.0	Tr.
		8528		131	133	2.0	Tr.
		8529		133	135	2.0	0.01
		8530		135	137	2.0	Tr.
		8531		155	157	2.0	Tr.
		8532		157	159	2.0	Tr.
		8533		159	161	2.0	Tr.
151.8	Metasediment Very black aphanitic, non-magnetic, homogeneous zone. Very siliceous, hard and indurated. Wispy irregular Q.C. stringers seem to parallel what may be a very indistinct large scale banding. Indicators point to a metamorphosed argillaceous mud or fine pyroclastic.						

DIAMOND DRILL RECORD

HOLE NO. RRL-8 SHEET NO. 3
 REMARKS _____

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH

NAME OF PROPERTY _____
 HOLE NO. _____ LENGTH _____
 LOCATION _____
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH _____ DIP _____
 STARTED _____ FINISHED _____

LOGGED BY _____

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS		
FROM	TO		NO. OF SPLICED	FOOTAGE FROM TO	%	%	OZ/TON	OZ/TON
242.0	267.0	<p><u>Undifferentiated Ultramafic - Pyroxenite?</u></p> <p>Massive slightly talcose moderately silicified ultramafic. Q.C.V - becomes rare to absent. 255.0 - 257.0 - Long, acicular chloritic needles in a matted aggregate. Most likely replacing pyroxene.</p>						
267.0	301.2	<p><u>Talc Chlorite Schist</u></p> <p><u>Gradational indistinct</u> contact with above unit. 287.0 - 301.2 - Becomes a lighter grey to dark grey green, slightly silicified towards lower contact. Very massive and homogeneous across the unit. Lower contact at 55° to C.A.</p>						
301.2	306.4	<p><u>Metasediment</u></p> <p>Dark grey to black, aphanitic, possibly tuffaceous in parts especially in zones of brown biotitic alteration. Some contorted and convoluted bedding. Minor pygmatic Q.C.V with tr. Py.</p>						
306.4	321.5	<p><u>Banded Iron Formation</u></p> <p>Very well regularly banded blue grey, grey green chert and magnetite banding at 80° to 85° to C.A. Minor green chloritic bands. Blue grey chert bands are associated to the magnetite. Minor to trace Po, Py in both sulphide bands and fine disseminations. Rarely do they crosscut in fracture fillings. Upper and lower contacts are sharp and distinct through irregular shaped.</p>						

SERVICES EXPLORATION SERVI

765, BOUL. QUÉBEC
C.P. 428
ROUYN, P.Q.
J9X 5C4



52K13NW0072 2.8382 BAIRD

020

Dessin et Reproduction
Jalonnement de Claims
Coupage de Lignes
Levés Géophysiques
Levés Géologiques
Programmes d'Exploration
Vente d'articles
d'exploration minière

Drafting and Reproduction Services
Claim Staking
Line Cutting
Geophysical Surveys
Geological Surveys
Exploration Programmes
Sales of mining
exploration articles

REDAURUM RED LAKE MINES LTD.

GEOPHYSICAL SURVEYS

BAIRD TWP. CLAIM GROUP

January 1985

TABLE OF CON



52K13NW0072 2.8382 BAIRD

020C

I - INTRODUCTION	P. 1
II - PROPERTY	P. 1
III - LOCATION & ACCESSIBILITY	P. 1
IV - GEOPHYSICAL SURVEYS	P. 2
V - CONCLUSIONS & RECOMMENDATIONS	P. 5

APPENDIX

I - Grid map with geological background	scale: 1"=1000'
II - Claim map	1"=1/2 mi.
III - Location map	1:600 000
IV - Location map	1: 1 600 000

I - INTRODUCTION: Within the framework of an extensive exploration program, geophysical surveys were carried out, during the month of November, 1984, on the Baird Twp. claim group of REDAURUM RED LAKE MINES LTD.

II - PROPERTY: The property consists of an original block of 14 contiguous forty acre claims numbered as follows:

KRL 12249, KRL 12250, KRL 12252, KRL 12253,
KRL 12499, KRL 13063, KRL 13064, KRL 13078,
KRL 13079, KRL 13080, KRL 13081, KRL 13085,
KRL 13086 and KRL 13087.

Four additional claims were added to the group during the month of November 1984; the claims staked are numbered as follows:

801276, 801329, 801359 and 82135.

III - LOCATION & ACCESSIBILITY:

The claim group is located at an approximate distance of 7 miles southwest of the town of Red Lake, Ontario. The area is accessible via a bush road which leads westward from highway 618 (Red Lake - Madsen Townsite).

The property is also accessible by boat from the town of Red Lake by following the shore line of Red Lake to St. Paul Bay. From the southern edge of the bay, a trail leads southwards to the claim group.

IV - GEOPHYSICAL SURVEYS:

The surveys were carried out on a previously cut grid whose 6.2 Km long base line strikes at 70°; cross lines occur at every 100 meter intervals and extend northwestward to a maximum distance of 1,000 meters and southeastwards to a maximum distance of 800 meters. Thus a total of 27 line kilometers have been cut and surveyed.

Magnetometer Survey:

An Exploranium G-816 proton magnetometer was used for the survey; readings were taken at every 12.5 meter intervals.

The most prominent magnetic feature consists of a partially outlined oval shape anomaly located in the western part of the grid, from cross line 34W to the end of the claim group. Magnetic values ranging up to 10,000 gammas above background drop rather sharply on the southeastern edge of the anomaly but decrease gradually towards the northwest.

The elongated lake and northeast trending stream are topographical features which are coincident with the southeastern edge of the magnetic anomaly and therefore suggest the presence of a northeast trending fault.

Numerous other magnetic anomalies were outlined by the survey. Most are of modest size and of irregular shape; they may infer the presence of folded horizons of iron formations

Electromagnetic Survey:

A Geonics' E.M.-16 V.L.F. unit was used to perform the survey; readings were taken at every 12.5 meter intervals tuned to station NAA (24.0 KHz,).

Numerous conductors were outlined. Most of the conductors trend in a direction more or less parallel to the base line and probably indicate the presence of conductive stratigraphic horizons. A series of weaker conductors trend east-west, they appear to infer the presence of fault zones.

The more important conductors are briefly described as follows:

a) Conductors trending in a direction parallel to the base line:

Conductor "A".

This segmented conductor extends across most of the grid length striking at approximately 70°. It appears to be faulted in the areas of cross lines 43W, 35W, 4W and 0. Originating in the northwestern part of the grid, the conductor crosses the base line at 5E.

A very strong electromagnetic response has been obtained along most of the length of the conductor, however, segments A-1, A-4 and A-5 are relatively weak.

There appears to be no specific relationship between the E.M. conductor and the magnetic patterns of the area.

Conductor "B":

Conductor "B" is located south of conductor "A" and is parallel to it. The longest segment of this E.M. anomaly is located between cross line 11W and cross line 18W in the central part of the grid; it traverses the base line at 6W.

Conductor "B" is probably caused by a weak conductive horizon.

Conductor "C":

This segmented conductor lies at an approximate distance of 300 meters south of the base line and is parallel to it. The most important segments of this conductor, C-2 and C-3 extend from cross line 31W to cross line 1W. The presence of a narrow but strongly conductive stratigraphic horizon is inferred.

Conductor "D":

Conductor "D" has been partially outlined in the north-central part of the grid area between cross lines 15W and 22W; this conductor is relatively weak.

The other conductors trending in a direction more or less parallel to the base line, i.e., conductors labelled "E", "F", "G", "H", "I", "J", "K", "L" and "M" are all short and of minor importance

b) Conductors trending in an east-west direction:

Conductor "N":

This is the most important of all the conductors trending in an east-west direction; it extends from cross line 9W at 2N and exits the grid area in the vicinity of cross line 17W at 10N. This relatively strong and wide conductive zone may indicate the presence of a fault: conductors "D" and "O" are truncated by this zone of weakness and conductor "B" is deflected by it.

The other east-west trending conductors, i.e. conductors labelled "P-1", "P-2" and "Q" also appear to represent fault zones of more modest size.

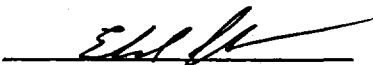
Conductor "O" is the only conductor which trends in north-south direction; its intensity is partially masked by the presence of the other strong conductors located in its immediate area.

V - CONCLUSIONS & RECOMMENDATIONS:

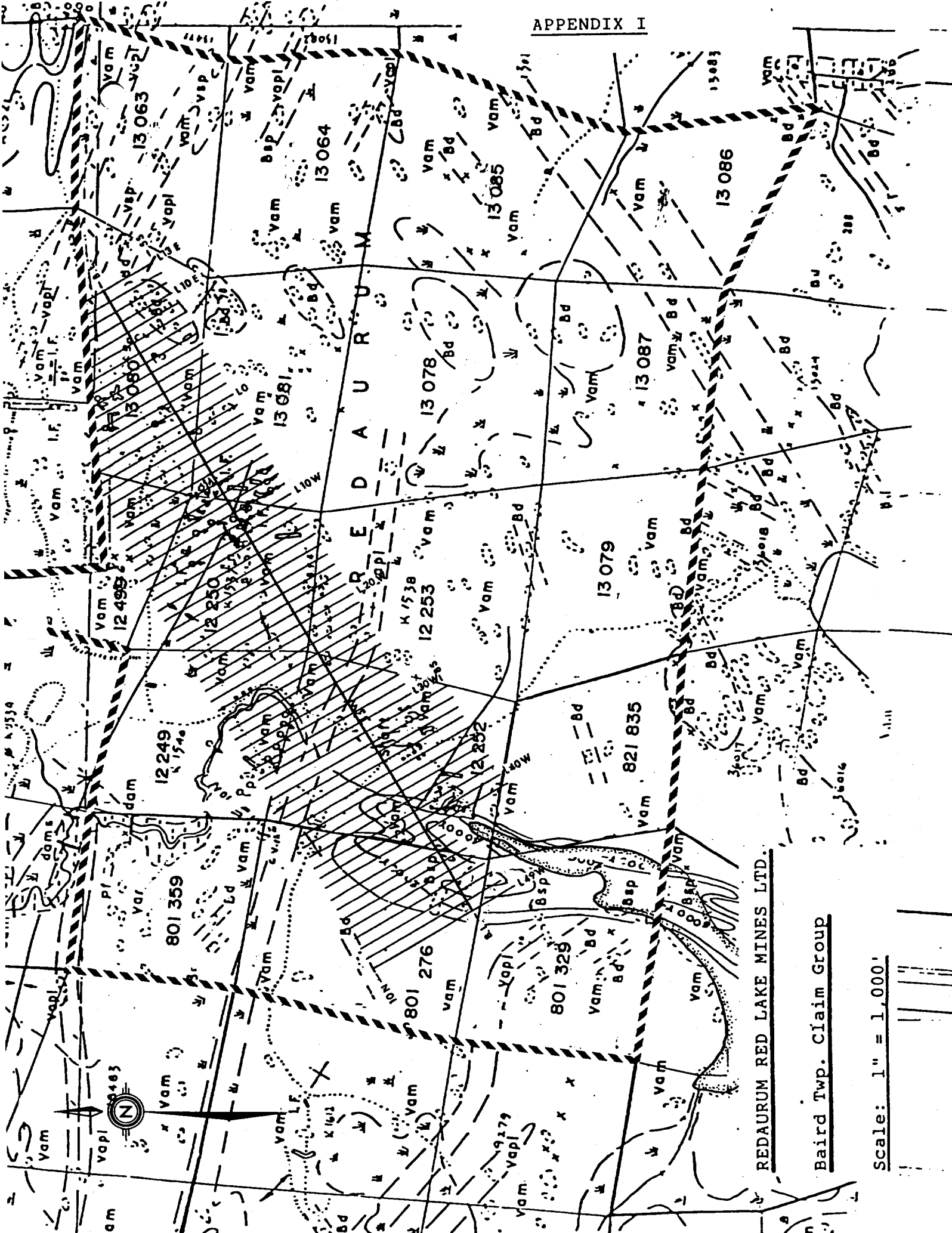
The importance of the various electromagnetic anomalies and of the magnetic anomalies as exploration targets will be ascertained after the compilation of the available geological information, i.e., the gold bearing zones may be associated with some of the geophysical anomalies.

The Ontario Department of Mines Preliminary Geological map no. p 180 indicates that the grid area is underlain mostly by andesite with some iron formation and occasional dykes of diorite and peridotite; the geophysical data obtained from the two surveys seem to indicate a much more complex geological pattern.

Respectfully submitted:

E. Chartré: 

January 30, 1985.



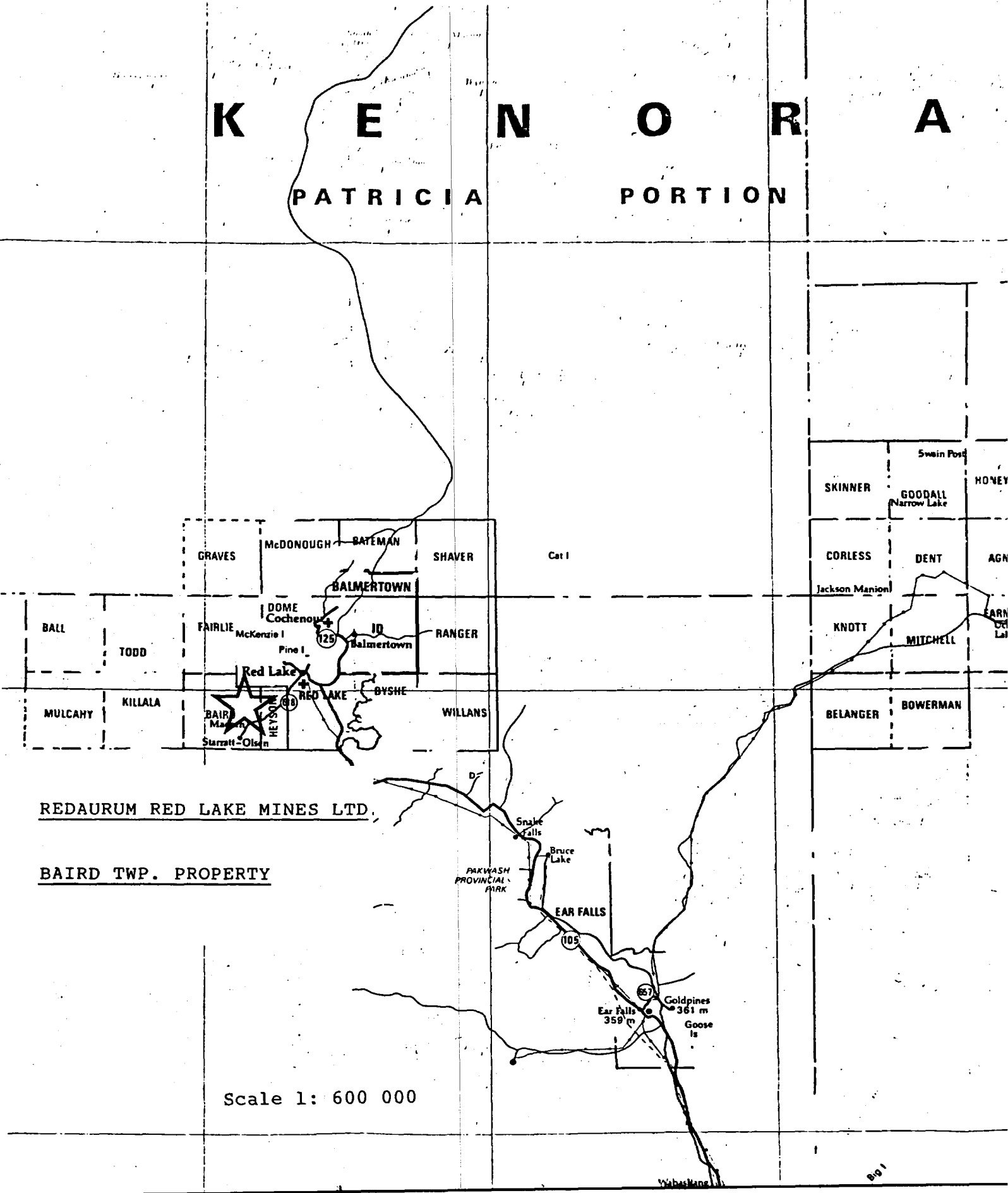
REDAURUM RED LAKE MINES LTD.

Baird Twp. Claim Group

Scale: 1" = 1,000'

APPENDIX III

K E N O R A
PATRICIA PORTION



REDAURUM RED LAKE MINES LTD.

BAIRD TWP. PROPERTY

Scale 1: 600 000



52K13NW0072 2.8382 BAIRD

900

Mining Lands Section

File No 2.8382

Control Sheet

TYPE OF SURVEY

- GEOPHYSICAL
- GEOLOGICAL
- GEOCHEMICAL
- EXPENDITURE

MINING LANDS COMMENTS:

Red Arrow Red Lake Gold Mines Ltd.

Lgd. Baird Insp

L.D.

D. Kirk

Signature of Assessor

Sept. 19/85

Date

Postal Address of Recorded Holder

Prospector's Licence No.

AUREUM RED LAKE MINES LIMITED

T1864

203 WEST HILL RICHMOND ST. W., TORONTO, ONTARIO

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.	Mining Claim			Work Days Cr.
	Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.		Prefix	Number	Work Days Cr.	
for Performance of the following work. (Check one only)	KRL	801359	178									
		801276	178									
		801329	178									
		821835	178									
<input type="checkbox"/> Manual Work												
<input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work.												
<input type="checkbox"/> Compressed Air, other Power driven or mechanical equip.												
<input type="checkbox"/> Power Stripping												
<input checked="" type="checkbox"/> Diamond or other Core drilling												
<input type="checkbox"/> Land Survey												

All the work was performed on Mining Claim(s):

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

- STANDARD DIAMOND DRILL EQUIPMENT OWNED AND OPERATED BY:
 MORISSETTE DIAMOND DRILLING CO.
 HAILEYBURY, ONTARIO

- BQ CORE
 - 714 FT. (TOTAL FOOTAGE)
 - CORE STORED IN RED LAKE, ONT.

Date of Report: JULY 30/85
 Recorded Holder or Agent (Signature): *Nelson W. Baker*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying

NELSON W. BAKER, 54 DIARCY MAGEE CRES,
 WEST HILL, ONT

Date Certified

JULY 30/85

Certified by (Signature)

Nelson W. Baker

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing: footage, diameter of core, number and angles of holes.	Nil	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.		Nil

1985 10 17

Your File: 97-85
Our File: 2.8382

Mining Recorder
Ministry of Northern Affairs and Mines
P.O. Box 5003
Red Lake, Ontario
POV 2M0

Dear Sir:

RE: Notice of Intent dated September 18, 1985
Geophysical (Electromagnetic & Magnetometer)
Surveys on Mining Claims KRL 801276, et al,
in Baird Township

The assessment work credits, as listed with the
above-mentioned Notice of Intent, have been approved
as of the above date.

Please inform the recorded holder of these mining
claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

AK/mc

cc: Redaurum Red Lake Gold Mines Ltd
Suite 909
111 Richmond Street West
Toronto, Ontario
M5H 2G4

Resident Geologist
Red Lake, Ontario

Encl.

Nelson W. Baker
54 D'Arcy Magee Crescent
West Hill, Ontario
M1C 2T5

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Recorded Holder
REDAURUM RED LAKE GOLD MINES LTD

Township or Area
BAIRD TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ <u>30</u> _____ days Magnetometer _____ <u>15</u> _____ days Radiometric _____ days Induced polarization _____ days Other _____ days	KRL 801276
Section 77 (19) See "Mining Claims Assessed" column	
Geological _____ days	
Geochemical _____ days	
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

10 DAYS ELECTROMAGNETIC & 5 DAYS MAGNETOMETER

KRL 801329

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed



Oct 6/85

1985 09 18

Your File: 97-85
Our File: 2.8382

Mining Recorder
Ministry of Natural Resources
Ontario Government Building
Box 5003
Red Lake, Ontario
POV 2M0

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yandt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

R.P.F. D. Kinvig:mc

Encls.

cc: Redaurum Red Lake Gold Mines Ltd
Suite 908
111 Richmond Street West
Toronto, Ontario
M5H 2G4
cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

cc: Nelson W. Baker
54 D'Arcy Magee Cres.
West Hill, Ontario
M1C 2T5



Ministry of
Natural
Resources

Ontario

Notice of Intent
for Technical Reports

1985 09 18

2.8382/97-85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



Ministry of Resources

Report of Work (Geophysical, Geological, Geochemical and Expenditures)

28382 Mining Sands #97-85

Instructions: - Please type or print. - If number of mining claims traversed exceeds space on this form, attach a list. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. Do not use shaded areas below.

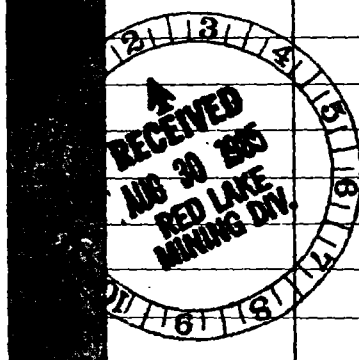
Mining Act 6500-17

Form header containing: Type of Survey(s) GEOPHYSICAL - MAGNETIC & VLF-EM, Township or Area BAIRD TWP., RED LAKE, Claim Holder(s) REDAURUM RED LAKE GOLD MINES LTD, Prospector's Licence No. T1864, Address 908-111 RICHMOND ST. W., TORONTO, ONTARIO, Survey Company SERVICES EXPLORATION ENRG, Date of Survey (from & to) 15 11 84 to 01 12 84, Total Miles of line Cut 3.27, Name and Address of Author (of Geo-Technical report) NELSON W. BAKER, 54 DIARCY MAGEE CRES., WEST HILL, ONT - M1C2T5

Table for Credits Requested per Each Claim in Columns at right. Columns: Special Provisions, Man Days, Airborne Credits, Geophysical (Electromagnetic, Magnetometer, Radiometric, Other), Geological, Geochemical, Days per Claim.

Table for Mining Claims Traversed (List in numerical sequence). Columns: Mining Claim Prefix, Mining Claim Number, Expend. Days Cr., Mining Claim Prefix, Mining Claim Number, Expend. Days Cr. Includes handwritten note: * Line cutting can only be claimed once.

Form section for Expenditures (excludes power stripping), Type of Work Performed, Calculation of Expenditure Days Credits (Total Expenditures \$ + 15 = Total Days Credits), and Instructions.



RECEIVED 20 8 1985

MINING SANDS SECTION see serial work statement

Total number of mining claims covered by this report of work. 2

For Office Use Only section with fields: Total Days Cr. Recorded (120), Date Recorded (Aug. 30/85), Mining Recorder (Curt Rind), Date Approved as Recorded, Branch Director.

Date: JULY 30/85, Recorded Holder or Agent (Signature): [Signature]

Certification Verifying Report of Work. I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work...

1985 08 27

File: 2.8382

Mining Recorder
Ministry of Natural Resources
Ontario Government Building
Box 5003
Red Lake, Ontario
POV 2M0

Dear Sir:

We received reports and maps on August 23, 1985 for Geophysical (Magnetometer and Electromagnetic) Surveys submitted under Special Provisions (credit for Performance and coverage) on Mining Claims KRL 801359, et al, in Baird Township.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with your office prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

A. Barr:mc

cc: Redaurum Red Lake Mines Limited
Suite 908
111 Richmond Street West
Toronto, Ontario
M5H 2G4

cc: Nelson W. Baker
54 D'Arcy Magee Crescent
West Hill, Ontario
M1C 2T5



GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) MAGNETIC AND VLF-EM
Township or Area BAIRD TWP., RED LAKE AREA
Claim Holder(s) REDAURUM RED LAKE GOLD
MINES LTD.
Survey Company SERVICES EXPLORATION ENRG.
Author of Report EDOUARD CHARTRE
Address of Author 765 BOUL QUE', ROUYN, QUE-JQV5CA
Covering Dates of Survey Nov, 1984, To FEB. 1985
(linecutting to office)
Total Miles of Line Cut 3.27

MINING CLAIMS TRAVERSED
List numerically

KRL 801359
(prefix) (number)
801276
801329
821835

SPECIAL PROVISIONS
CREDITS REQUESTED

ENTER 40 days (includes
line cutting) for first
survey.

ENTER 20 days for each
additional survey using
same grid.

Geophysical

-Electromagnetic 16
-Magnetometer 16
-Radiometric _____
-Other _____

Geological _____

Geochemical _____

DAYS
per claim

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: Aug 20/85 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications 63-2387

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 4

OFFICE USE ONLY

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS – If more than one survey, specify data for each type of survey

Number of Stations 227 Number of Readings 227
Station interval 25 meters Line spacing 100 meters
Profile scale 1"=40%
Contour interval _____

MAGNETIC

Instrument EXPLORANIUM 6-816
Accuracy – Scale constant _____
Diurnal correction method _____
Base Station check-in interval (hours) _____
Base Station location and value _____

ELECTROMAGNETIC

Instrument Geonics' E.M-16 VLF.
Coil configuration _____
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency STATION NAA (24.0 KHZ)
(specify V.L.F. station)
Parameters measured _____

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____
Base station value and location _____
Elevation accuracy _____

INDUCED POLARIZATION
RESISTIVITY

Instrument _____
Method Time Domain Frequency Domain
Parameters – On time _____ Frequency _____
– Off time _____ Range _____
– Delay time _____
– Integration time _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

Nelson W. Baker

GEOLOGICAL SERVICES LTD.

54 D'ARCY MAGEE CRESCENT, WEST HILL, ONTARIO M1C 2T5 • (416) 282-2184

August 20, 1985

Project 2900

Ministry of Natural Resources
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

Att'n: S.E. Yundt. Director
Land Management Branch

Dear Sir:

Re: Geophysical Surveys and Diamond Drilling on Mining Claims
KRL 801359 et al.

As agent for Redaurum Red Lake Gold Mines Ltd., I enclose duplicate copies of the following documents:

- 1) Summary report of recent exploratory work on above claims: - includes diamond drill logs, sections and information by N.W. Baker.
- 2) Report covering ground magnetic and VLF-EM surveys by E. Chartre of Services Exploration Enr.

I trust you will find the above satisfactory.

Yours very truly


Nelson W. Baker

c.c Redaurum Red Lake Gold Mines Ltd.
908 - 111 Richmond St. West
Toronto, Ontario
Att'n: Mr. W. Cummins, President

2.8382

EIM Mag.

KRL-801276

$\frac{1}{4}$

$\frac{1}{4}$

801329

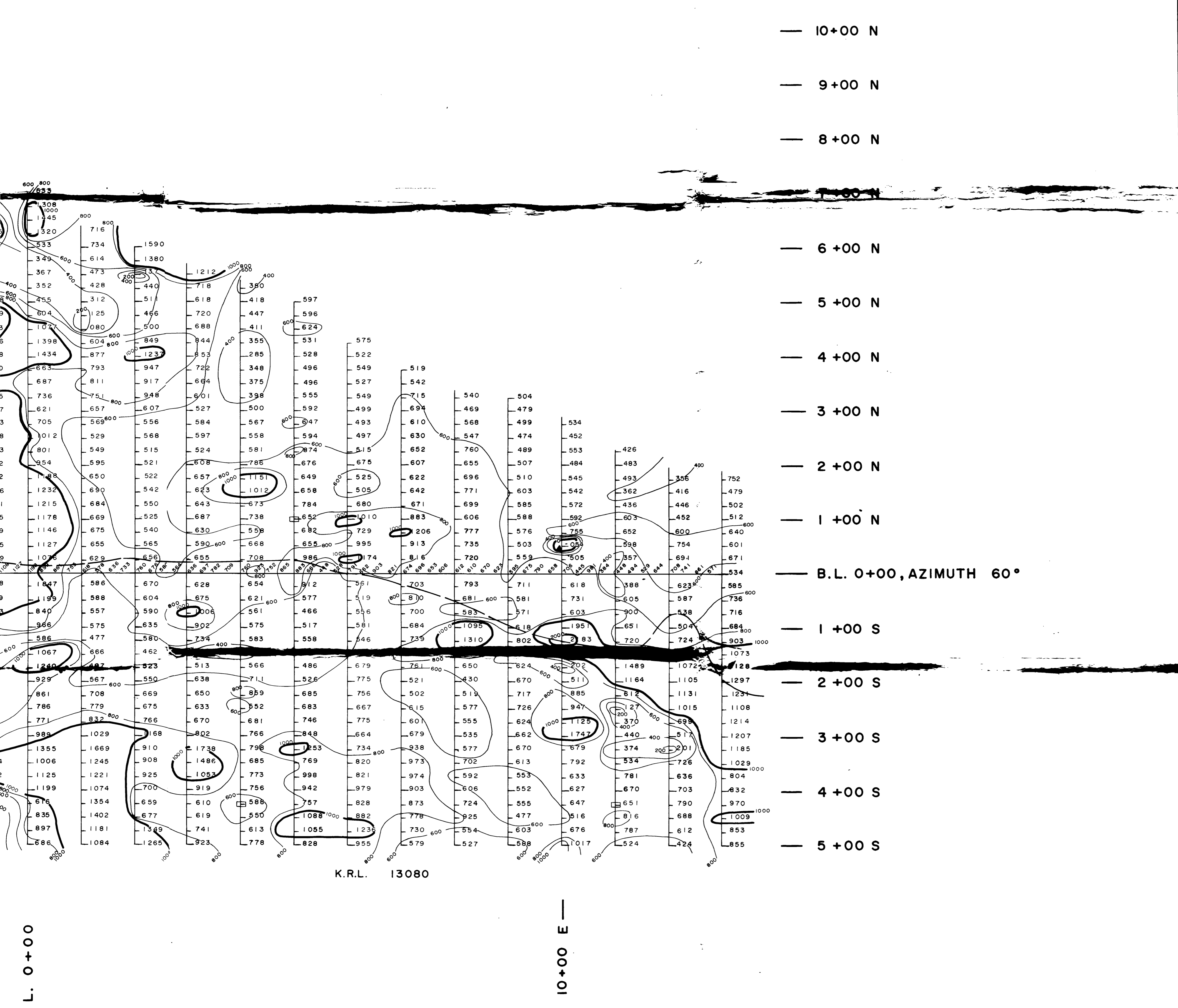
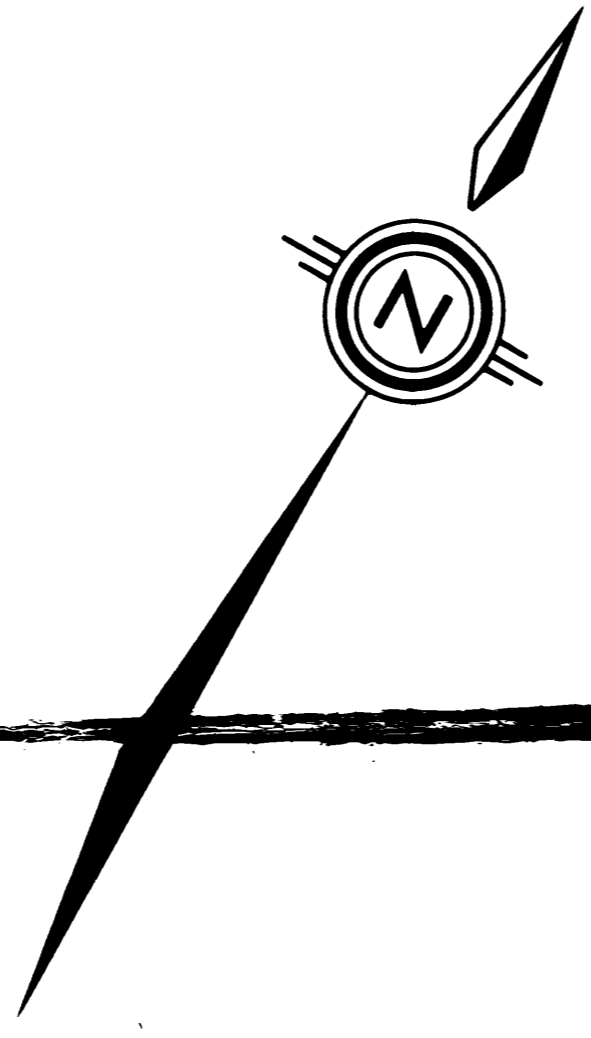
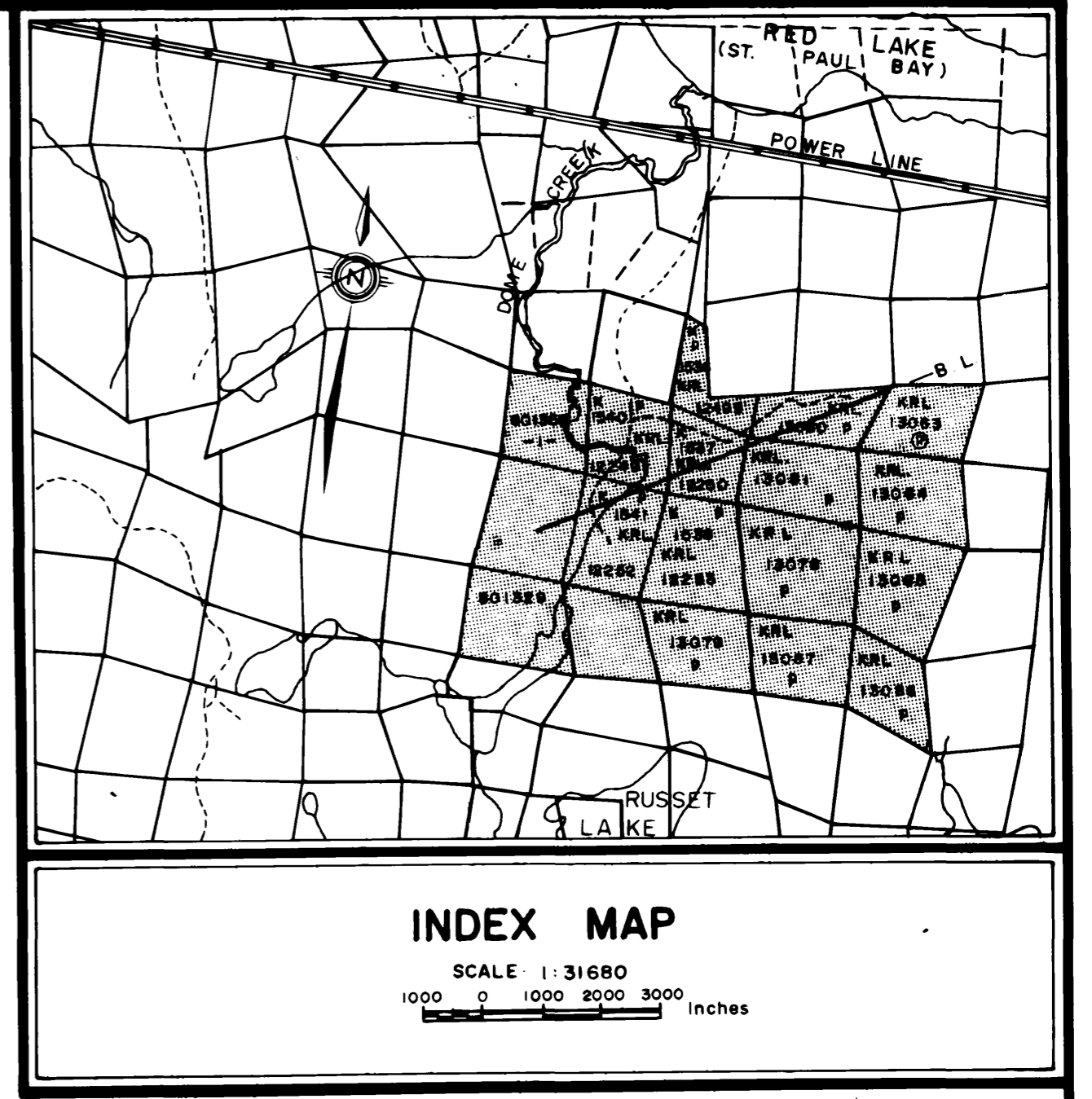
$\frac{3}{4}$

$\frac{3}{4}$

$\frac{1}{4}$

~~(40x2) ÷ (2+1)~~

D.K.



D.O.H LOCATIONS

All readings in range of 60,000 gammas
 Approximate claim post location
 Trench

28382

MAGNETOMETER SURVEY	
FOR NELSON BAKER GEOLOGICAL SERVICES LIMITED	
PROJECT: REDAURUM RED LAKE MINES LIMITED	
Instrument: Geometrics G-816	SURVEYED BY: G. Jacob DATE: DECEMBER, '84
TWP. BAIRD	DRAWN BY: R.L. SCALE: 1"=100' SERVICES EXPLORATION SERVICES ENGRS. REG'D.

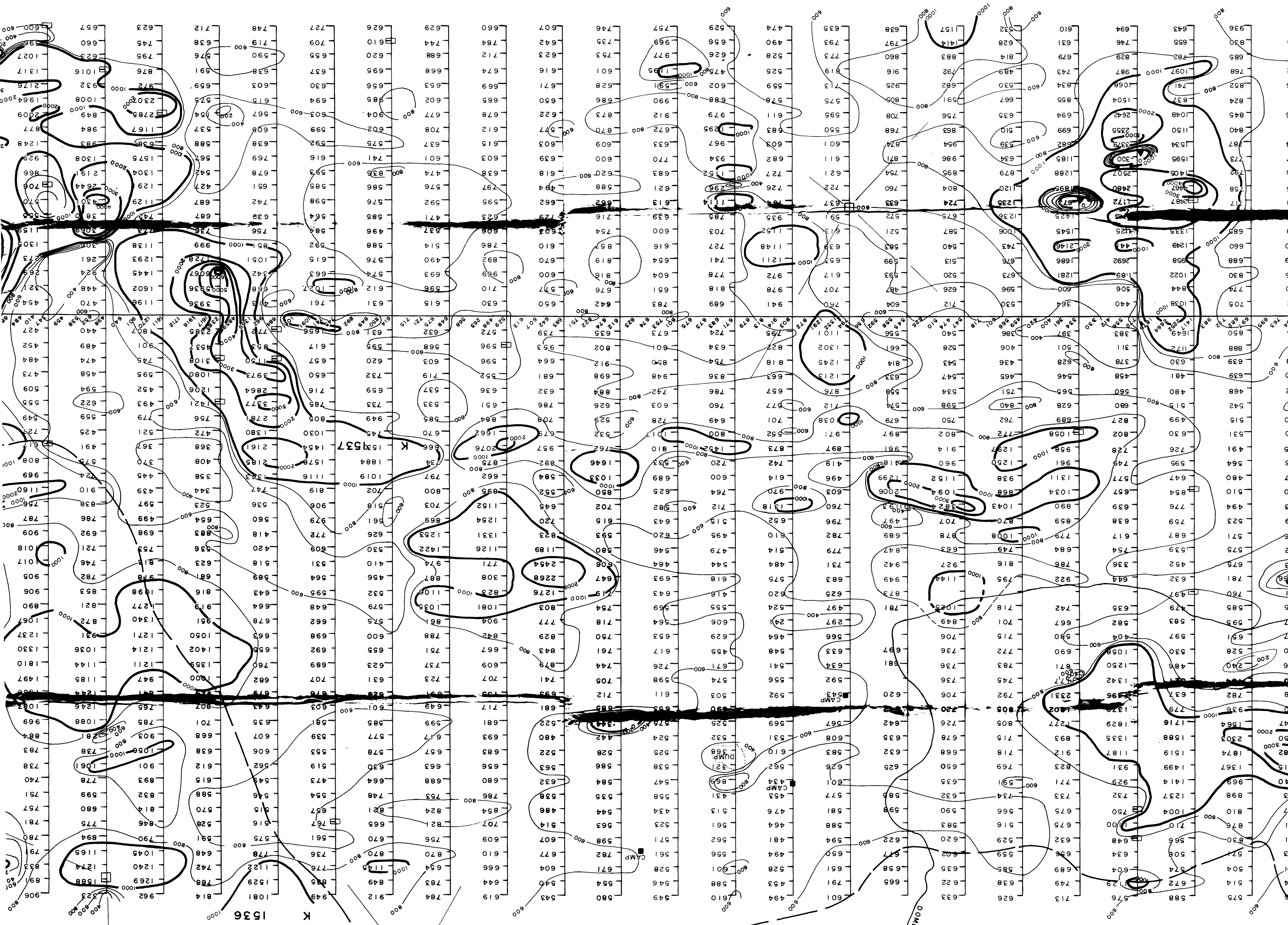
L. 10+00 W -

L. 20+00 W -

— 6+00 S
— 7+00 S
— 8+00 S

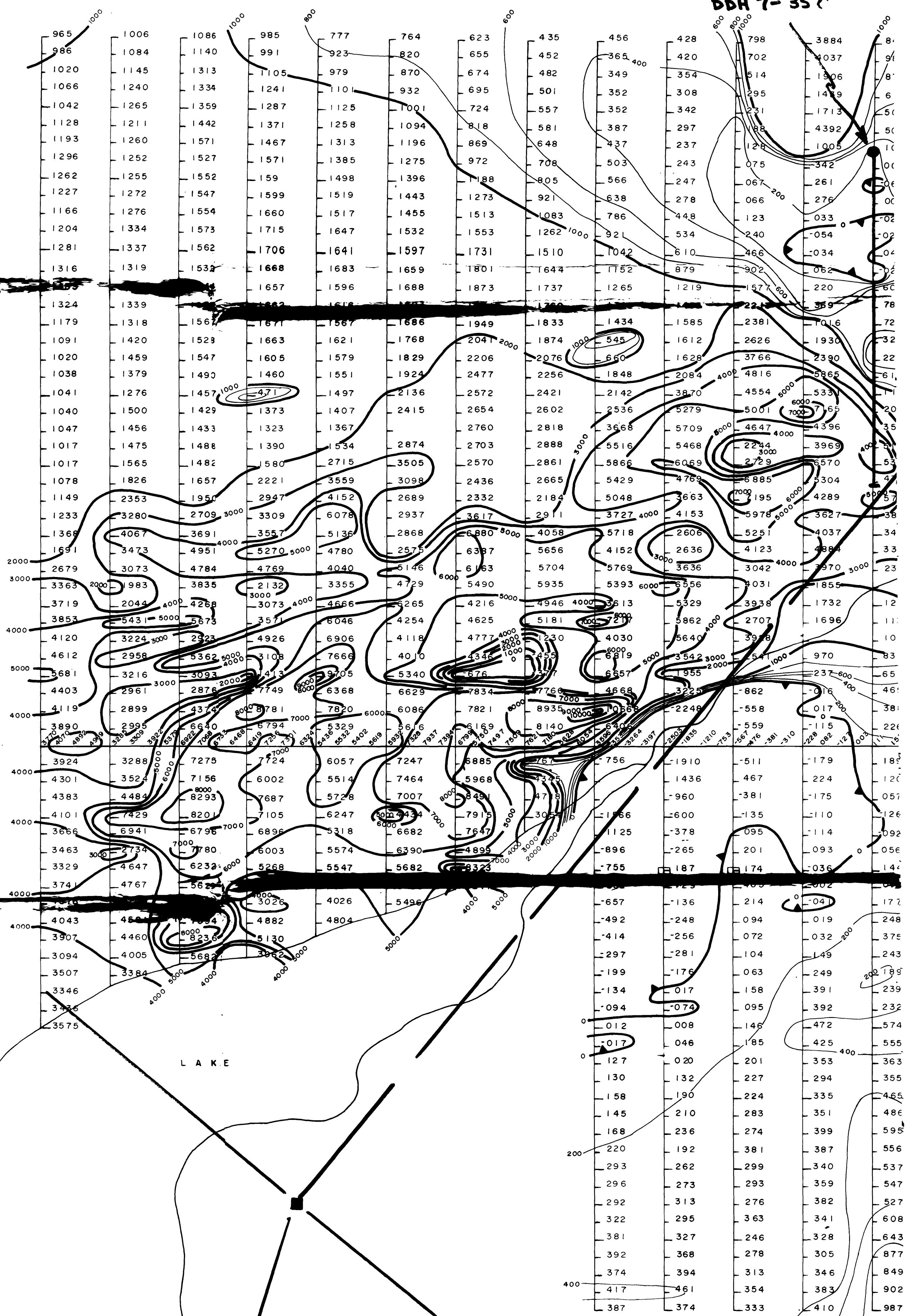
K 1538

K 1540



801276

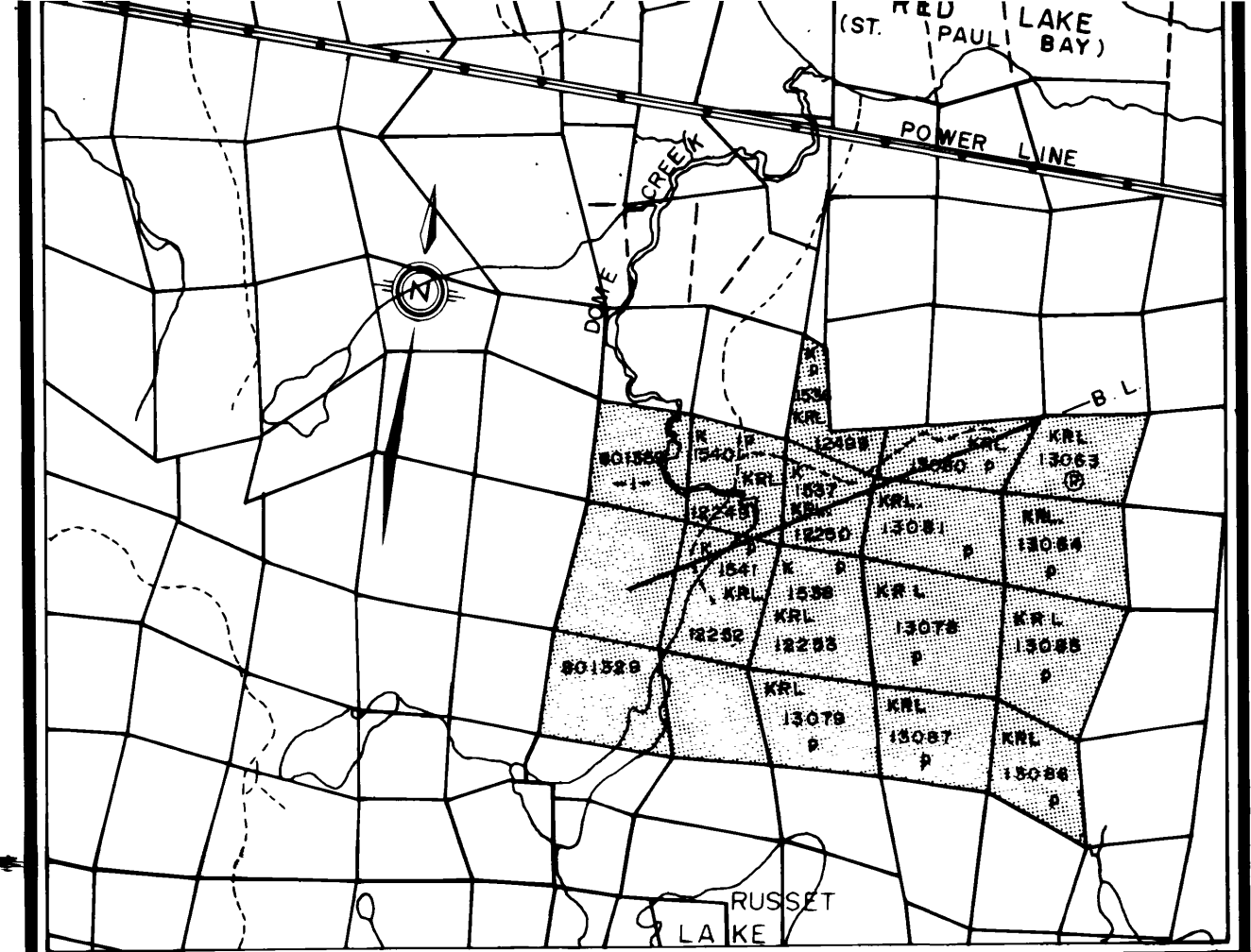
DDH 7-357'



801329

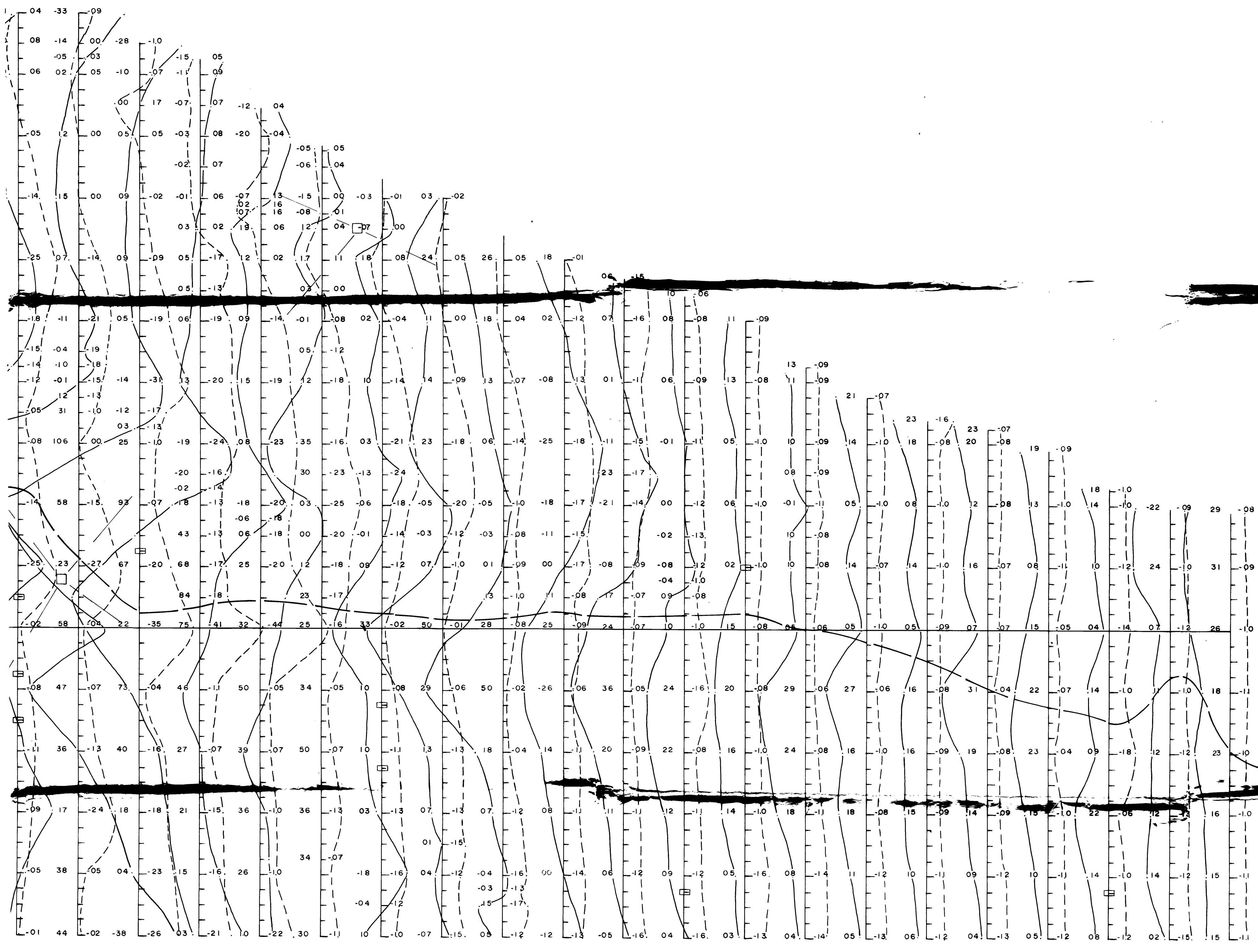
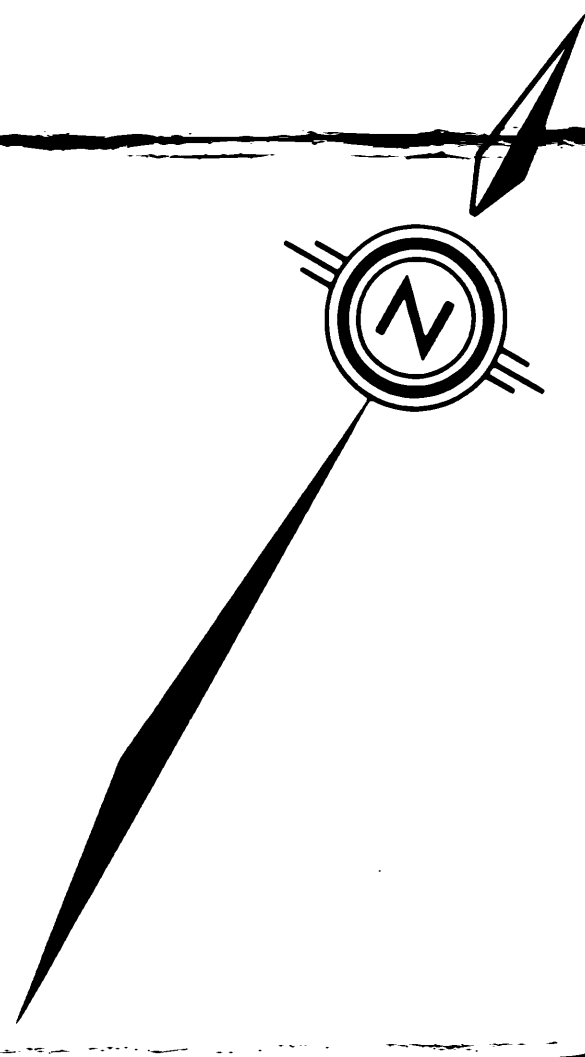
821835





INDEX MAP
SCALE 1:31680
1000 0 1000 2000 3000 inches

30



- 10+00 N
- 9+00 N
- 8+00 N
- 7+00 N
- 6+00 N
- 5+00 N
- 4+00 N
- 3+00 N
- 2+00 N
- 1+00 N
- B.L. 0+00, AZIMUTH 60°
- 1+00 S
- 2+00 S
- 3+00 S
- 4+00 S
- 5+00 S

K.R.L. 13080

K.R.L. 13081

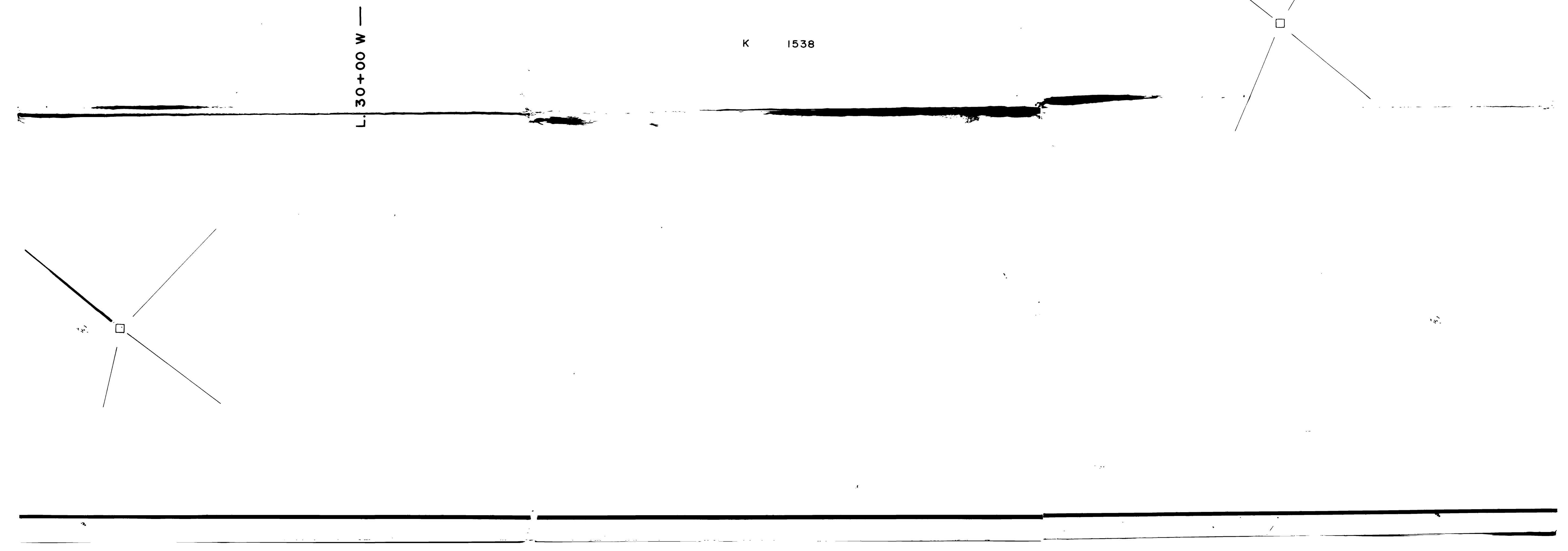
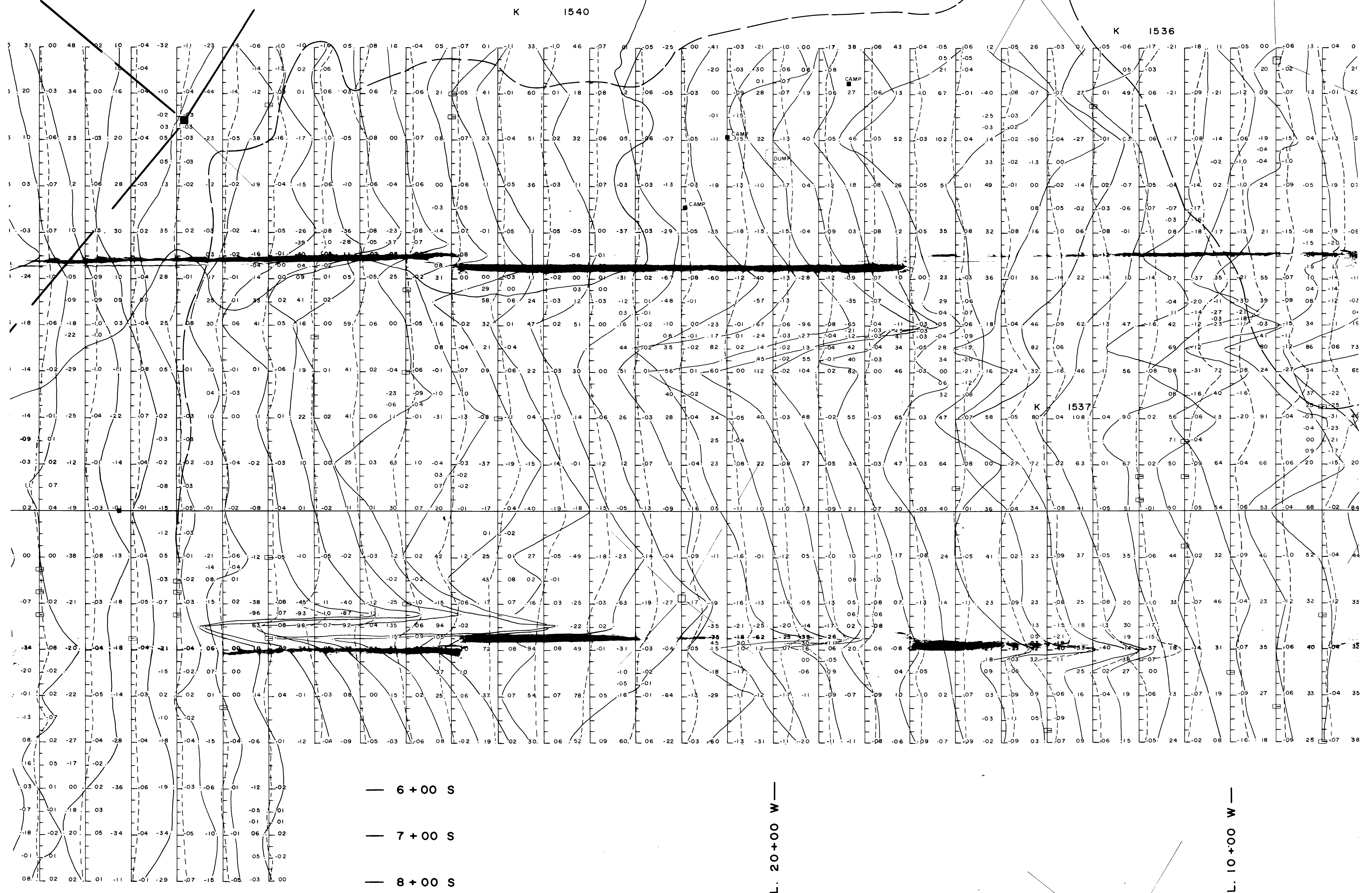
L. 0+00

L. 10+00 E

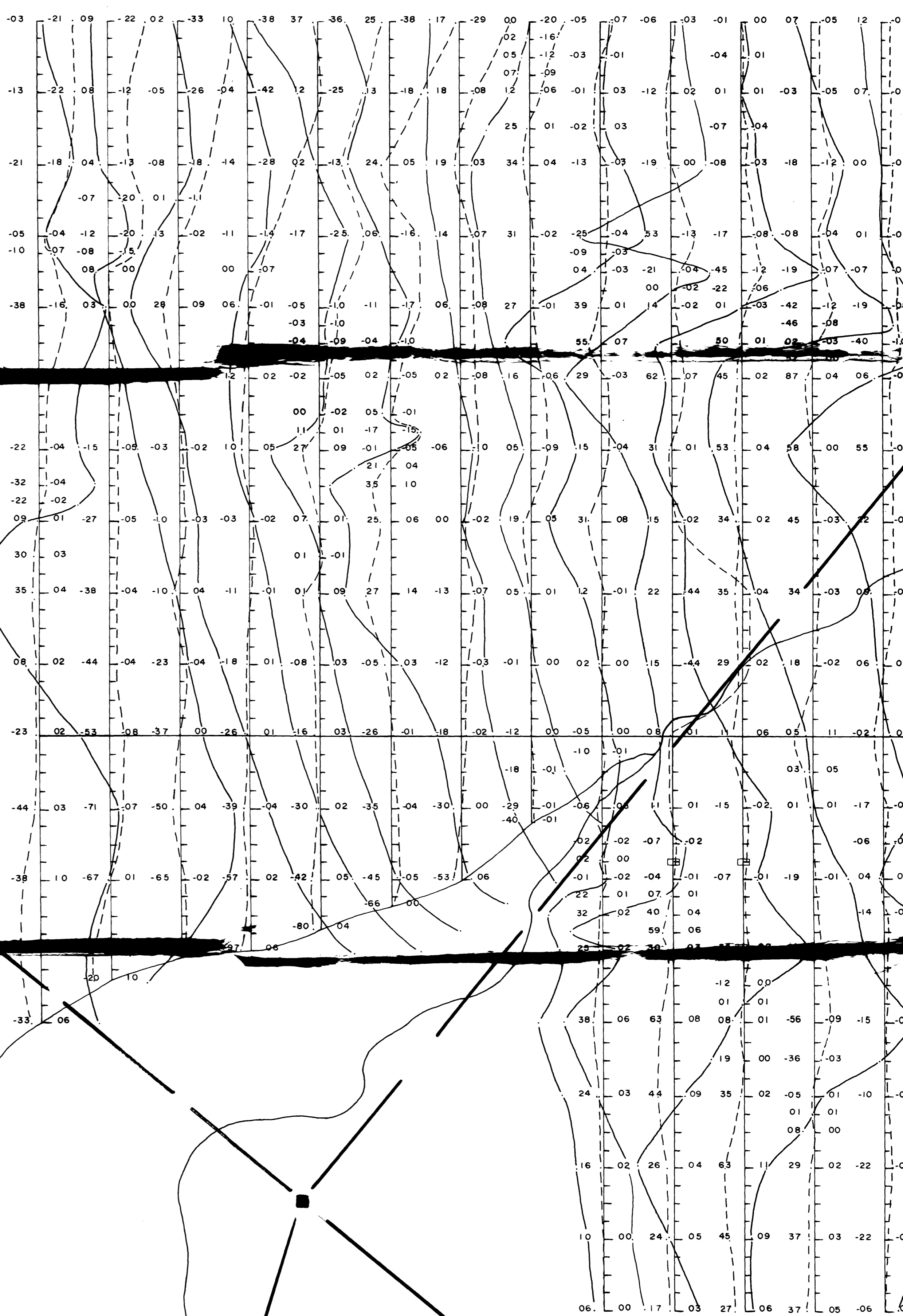
- Approximate claim post location
- Trench

28382

Frequency 24 KHz I.P. O.P. I.P. O.P. +05 -10	ELECTROMAGNETIC SURVEY FOR NELSON BAKER GEOLOGICAL SERVICES LIMITED PROJECT: REDAURUM RED LAKE MINES LIMITED
Instrument: Geonics EM-16 TWP. BAIRD	SURVEYED BY: R.C. DATE: DECEMBER '84 DRAWN BY: SCALE: 1" = 100' SERVICES EXPLORATION SERVICES ENRS. REG'D.



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L 40+00 W

K



Problem Page

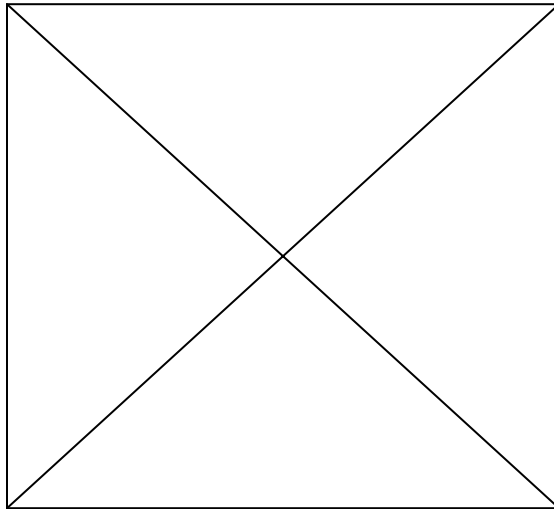
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