



52N02SE9888 2.7823 EARNGEY

010

REPORT OF EXPLORATION ACTIVITIES
IN 1983
EARNGEY TOWNSHIP
PROJECT 430
NTS 52-N-2

RECEIVED

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MINING LANDS SECTION

R. A. Zinn
April 17, 1984

Orofino Resources Limited
Toronto, Ontario

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MAPS

IN BACK POCKET

GEOLOGY

GEOPHYSICS - EARNGEY TWP. MAGNETICS (Aerodat Report Map 3)
GEOPHYSICS - " " VLF-EM (" " " Map 4)

1.0 CONCLUSIONS

The 1983 field investigations on our Earngey property were successful in outlining a number of interesting areas.

Correlation of geology, geochemistry, geophysics and known deposits has shown our targets to be structures cross-cutting the regional stratigraphy, possibly capped by an impermeable layer at a hiatus in volcanism. The Uchi Mine is the most obvious example of this type of deposit and our investigations indicate similar situations on our property, including the Main Zone.

The area of prime interest remains the previously drilled (1959) Main Zone, where this year's blasting and sampling revealed mineralization in the eastern 75 m of the trench. Previously, we had no information on that area.

Our secondary targets are the "Millberry vein" and an area at the east end of lines 1 and 2 south (the highest geochemical response area). Numerous smaller targets exist which should be evaluated with small detail grids next summer.

2.0 INTRODUCTION

This report describes the 1983 activities of Orofino Resources Ltd. on its property on Uchi Lake, Earngey Township in northwestern Ontario.

Aerodat Ltd. of Mississauga performed helicopter borne EM and Mag. to delineate structure, rock types and bedrock conductors. Claim staking and grid lines for ground survey control were contracted through Ed Rose of Sudbury. Ground geochemical and geological surveys were performed by Orofino personnel, R. Zinn, Project Geologist, D. Vasiga, Senior Geological Assistant, R. Vail, Technician and S. Orth, Junior Geological Assistant.

3. PROPERTY AND LOCATION (NTS 52 N/2) Figures 1, 2 + Table 1

The property is located in west central Earney Twp. on the west side of Uchi Lake immediately south of the Uchi Lake Mine (a former producer) and 8 km southeast of the South Bay Mine. There are 41 claims of which 11 are leased and 30 were staked in 1983, to protect strike extensions of known trends on the leases and make the property contiguous with the Uchi Lake Mine patented claims in the northwest.

4.0 ACCESS Figure 3

Access is via air from Red Lake or Ear Falls with Ear Falls being marginally closer. Alternative road and water access is by 80 kms of road northeast from Ear Falls to Confederation Lake near South Bay, and by boat across the lake from where Uchi Lake Lodge maintains a truck on the old road system from Uchi Lake to Lost Bay on Confederation Lake and may portage people and supplies. Uchi Lake Lodge also has a radio telephone which simplified communications to the outside world. Apparently the road from South Bay Mine around the south end of Confederation Lake to Uchi Lake could be reopened by constructing new bridges (culverts) over a number of small streams (Personal Communication Uchi Lake Lodge, Manager).




TABLE 1

EARNGEY TOWNSHIP

<u>Claim No.</u>	<u>Staked/Leased/Patent</u>	<u>Claim No.</u>	<u>Staked/leased/Patent</u>
KRL 43141	L	648720	S
43142	L	648721	S
43143	L	648722	S
43150	L	648723	S
43549	L	648724	S
43550	L	648725	S
43551	L	648726	S
43552	L	648727	S
43553	L	648728	S
43554	L	648729	S
43555	L	648730	S
		648731	S
		648732	S
		648773	S
		648774	S
		648775	S
		648755	S
		648756	S
		648757	S
		648758	S
		648759	S
		648760	S
		648761	S
		648762	S
		648763	S
		648764	S
		648765	S
		648766	S
		648767	S
		648768	S
		648769	S

ORO Claims

K.R.L. 538170	K.R.L. 538167
K.R.L. 538169	K.R.L. 538168

-  — known veins
-  — known gold veins
-  — geochemical anomalies


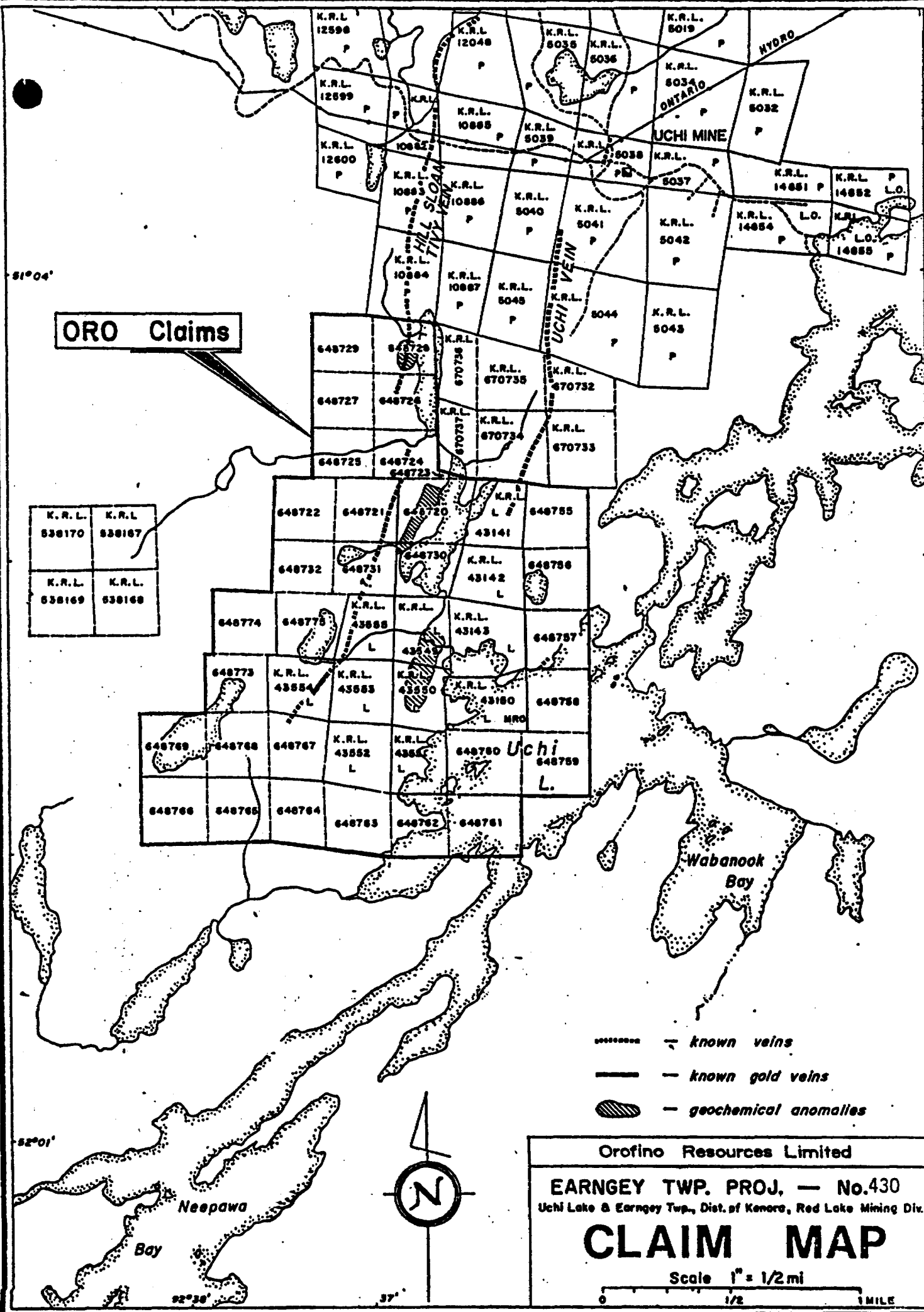
Orofino Resources Limited

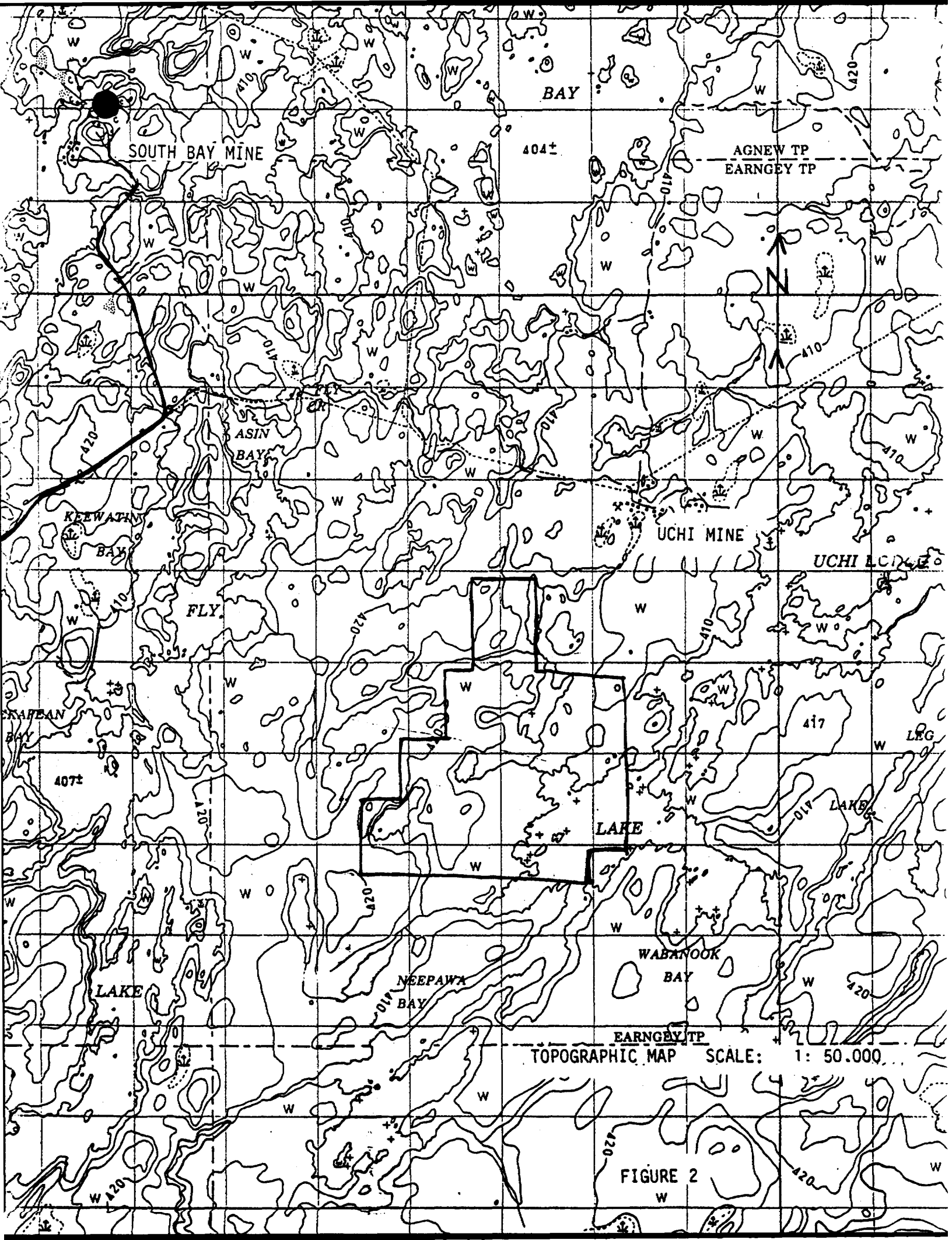
EARNGEY TWP. PROJ. — No.430

Uchi Lake & Earngey Twp., Dist. of Kenora, Red Lake Mining Div.

CLAIM MAP

Scale 1" = 1/2 mi



SOUTH BAY MINE

BAY

404±

AGNEW TWP
EARNGEY TWP

420

N

ASIN BAY

UCHI MINE

UCHI LODGE

KEEWATIN BAY

FLY

LAKE

OLD LAKE

407±

LEG

LAKE

NEEPAWA BAY

WABANOOK BAY

EARNGEY TWP

TOPOGRAPHIC MAP SCALE: 1: 50,000

FIGURE 2

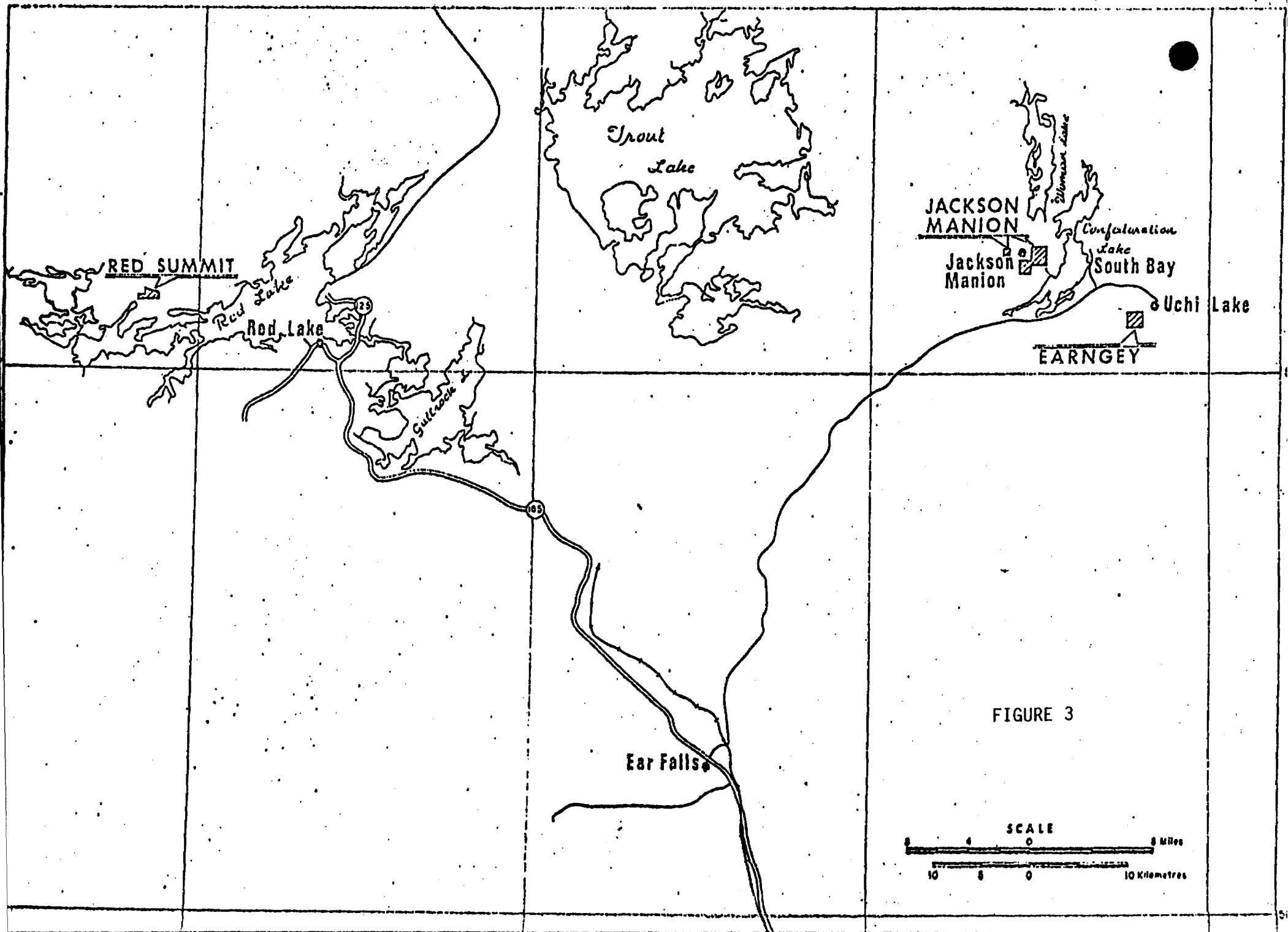


FIGURE 3

5.0 CLIMATE

The project area has a continental climate characterized by temperature extremes and moderate to light precipitation. Winter temperatures are often less than -30°C with summers often exceeding $+30^{\circ}\text{C}$. Break-up of Lake ice is in mid May and freeze-up is in November.

6.0 TOPOGRAPHY

The Earngey Property is typical of the Precambrian Peneplain ie. predominantly low mature spruce bog with occasional long low ridges of rock outcroppings, long narrow lakes, and small pot hole ponds. The trend of the topography is approximately 015° .

7.0 WATER AND TIMBER

Water for all purposes is readily available anywhere on the property. The timber ranges from open mature to overmature with dense second growth. The northwest section of the property was burned over about 10 years ago and is regrowing with dense alder thickets. This area is difficult to traverse due to all the fallen timber.

8.0 POWER

Hydroelectric power is available from the main powerline that services the South Bay Mine some 8 km (5 miles) to the northwest.

9.0 LABOUR EQUIPMENT AND SUPPLIES

The Town of Ear Falls is a centre for Great Lakes Forest Products and as such has several mini depots for heavy equipment. Also the Griffith Mine (an iron ore deposit) is located approximately 10 km. north of the town giving a small local skilled labour force. The nearest major mining community is Red Lake which has a large skilled labour force experienced in gold mining.

The South Bay Mine, a former copper zinc producer (on exhaustion of ore reserves) was mothballed in 1981 rather than dismantled in anticipation of the former Uchi Lake Mine reopening. Its facilities include a townsite, power, water, and a 500 ton per day mill with tailings pond.

Local lakes are highly utilized by the tourist industry for fishing and hunting. Uchi Lake Lodge can provide emergency food and fuel supplies.

10.0

HISTORY

The property was originally held by Woco Gold Developments and B. Milberry. Milberry optioned his claims (our 6 N.W. claims) to Woco in 1937. Woco proceeded to investigate a gold bearing vein (possible extension of the Hill-Sloan-Tivey vein) by trenching and diamond drilling over a distance of 750 feet. Four drill holes returned values of 0.03 over 2 feet, 0.24 over 2 feet, 0.14 over 1 foot, and 0.203 over 3 feet. The option was subsequently dropped.

Woco Gold Development's prospector Fred Bergkvist discovered what is now the main zone in June, 1939. The vein was stripped, trenched and channel sampled and proved to be of economic interest. Assay results of channel sampling gave an average of 0.41 oz/ton Au over a 4.5' width and a length of 205'. Woco then drilled the prospect establishing gold values to a depth of 100'.

The property was optioned in 1939 to a group of 5 companies namely; Coniagas, Cyril Knight Prospecting, Anglo Huronian, Howey Gold Mines and Northern Canada Mines Ltd. who drilled the gold mineralization to 300'. The zone was indicated to plunge to the north as drilling to 500' failed to intersect the zone in the south.

The property remained inactive but still held by the syndicate until after World War II when an adverse gold market caused them to return the claims to Woco. Woco then allowed them to lapse.

Sidney Thompson restaked 17 of the claims including the main showing in 1958 and optioned them to Kirk-Hudson Mines which subsequently became Northgate Exploration Limited.

Northgate undertook a diamond drilling programme in 1959 hoping to prove gold mineralization to a depth of at least 500'. Seven holes were drilled with the deepest intersection being 0.4 oz. Au/Ton at 500'. At that point an estimate of ore reserves was made of 64,600 tons, grading 0.28 oz. Au/ton. The property was then brought to lease.

The claims immediately north of the leases were the subject of a detailed geological mapping programme carried out by L.J. Kuryliw in 1968. These claims include the former Milberry Property. Evidence was found in outcrop for an extension of the main Uchi break on what is now claim 648755. While surface assays were low drilling may find improved mineralization at depth.

With the rapid increase in the price of gold Northgate undertook a reappraisal of the property in 1981. Dr. Simon Haynes and two students cleaned out and detail mapped the old trenches of the main showing. This was hampered by high water in the swamp adjacent to the trenches. A small 20 X 10 m flag grid was established for mapping, V.L.F. and MAG. control. Unfortunately the line orientation was almost 90° out for the geophysics.

In 1983 Northgate Exploration Ltd. included this property with those assigned to Orofino Resources Ltd. Orofino then staked the additional claims and undertook a summer exploration program.

11.0 GEOLOGY

11.1 Regional Geology

The Regional Geology has been described in excellent detail by P.C. Thurston in:

O.G.S. Open File Report 5373
Physical Volcanology and Stratigraphy
of the Confederation Lake Area 1982

The abstract of which follows;

Archean volcanic rocks in the Confederation Lake area northwestern Ontario, are in three mafic to felsic cycles collectively 8,500 to 11,240 m thick. Each cycle begins with pillowed basalt and andesite flows and is capped by andesitic and rhyolitic pyroclastic rocks and minor flows. Cycle I is believed to be entirely subaqueous as it is overlain by 90 m of limestone. Cycle II has basal pillowed basalt flows and andesitic to rhyolitic pyroclastic rocks locally overlain by 100 to 150 m of rhyolite tuff with intensely welded fragments. The environment of deposition of this unit appears to have been subaerial. Cycle II is overlain by stromatolitic limestone and pillowed basalt flows at the base of Cycle III. The remainder of Cycle III consists of dacitic pyroclastic rocks, rhyolitic flows, pyroclastic rocks and coeval hypabyssal intrusions.

Cycle I rhyolites are 2,959 Ma old, Cycle II rhyolites are 2,794 Ma and Cycle III rhyolites are 2,739 Ma old according to U-Pb age determination on zircons. These time periods are in accord with observed periodicity in young volcanic terrains.

Cycle I is interpreted as a platform upon which Cycle II was deposited in the early stages of caldera development. Cycle III is the central graben of the caldera and is the product of resurgent volcanism, hypabyssal intrusions, and late stage hydrothermal activity which formed the Cu-Zn-Ag massive sulphide body of South Bay Mine. The tectonic scheme favored on the basis of structural, lithologic, and chemical parameters is that of a marginal basin behind a volcanic arc.

11.2 Local Geology

The property is underlain by Cycle II volcanics and mafic to ultramafic intrusives. The volcanics are predominantly interbedded tuffs and ignimbrites. All rock types have been regionally metamorphosed to Greenschist facies grade.

Mafic Volcanics: These occur as relatively thin bedded pillow to pillow breccia flows and tuffs. They are typical of greenschist facies altered basalts in that they are highly chloritic with minor epidote and sulphides. There are rare cases of amphiboles within pillows. Weathered surfaces are green-grey while fresh surfaces are dark green.

Some discussion exists as to whether or not the mafic intrusives are coarse grained centres of thick mafic flows.

Intermediate Volcanics: These occur primarily as subaqueous tuffs and Tapilli tuffs. They are fine grained, weather grey on surface and are light green on fresh surfaces. Bedding can be identified on occasion with both normal and reverse grading present.

Felsic Volcanics: The felsic volcanics are primarily rhyolitic tuffs and Tapilli tuffs. They weather white and are pale yellow grey on fresh surface. This unit typically carries 1-5% disseminated pyrite as small euhedral crystals. The rhyolite tuff on the shore of Uchi Lake (claim 43150) contains greater than 10% pyrite. A number of these tuffs were sampled for gold but returned uniformly low assays.

Chemical Metasediments: This unit is found in a topographic depression just west of Hazard Lake. It does outcrop on the shore at the end of the baseline (15N) where about 2m X 1m of banded cherty oxide facies iron formation is exposed. The unit is interpreted as an exhalite deposited during a hiatus in volcanism. It occurs at the top of a volcanic cycle lapping a rhyolite tuff. It is probably related to the Hill-Sloan-Tivy chert "vein" horizon to the north.

Mafic to Ultramafic Intrusives: The intrusives range from diorite to olivine gabbro. They occur as lenticular pods paralleling regional stratigraphy usually between flows. The weathered surface is tinged orange-brown typical of ultramafics and the fresh surface displays a dark green or green and white appearance. The rock is coarsely crystalline with feldspar laths in the 2-3mm range.

11.3 Economic Geology

The area model is the Uchi Mine, a Quartz vein system trapped below an impermeable layer (The Hill-Sloan-Tivy "H.S.T. Vein" chert horizon). The HST is known to be sporadically mineralized along its 3 km exposed length. The sporadic mineralization may be explained by the results of our geochemistry and airborne geophysics surveys. These surveys show a correlation between anomalous gold values and structural features cross cutting the regional stratigraphy. This would produce narrow zones of mineralization along the "H.S.T. Vein".

11. Economic Geology (Cont'd.)

The geological mapping shows that our anomalous areas occur near volcanic "breaks", possibly cycle tops. These breaks may represent the extension of the south end of the "H.S.T. Vein" (the Milberry Vein west of Hazard Lake which may be part of the cherty iron formation) and the cherty cap of the Uchi Lake Mine.

Our previously drilled zone on claim 43554 is also an E-W trending feature near a rock type change and it is feasible to extend the Uchi Mine chert trend to this showing. Extending the trend would also bring it through the high humus anomaly on line 1S and 2S which is interpreted to be due to two crossing structures.

12.0 GEOCHEMISTRY

In order to provide correlation and complete cover, humus and soil samples were taken (both where possible). Due to the nature of the topography and the forest fire it was often not possible to get double coverage. However both sample types were individually successful in identifying areas of anomalous response. There is also good correlation between sample types where double coverage was achieved.

At first glance the geochemical data does not seem to make sense, in that anomalous zones do not follow the north-south trend of the regional geology. However, correlation with the airborne V.L.F. shows that the high values are associated with cross cutting structures. The highest concentration of values is at the east end of lines 1S and 2S where two cross structures intersect. The other areas are; line 14N, line 11N, line 7S BL to 250E, lines 5 and 6S at 6E, line 6S/950E and a large area (between lines 2N and 8N west of Four Arm Lake) that corresponds to the Wabanook Bay Fault intersecting a second feature from the north east.

Only anomalous geochemical results (5ppb or greater) are plotted on the geological maps.

13. REFERENCES

Bateman, J. D.

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Ontario Dept. of Mines, Vol. 48 Pt. 8

Bruce, E. L.

1928: Gold Deposits of the Woman, Narrow and Confederation
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Goodwin, A. M.

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1982: Physical Volcanology and Stratigraphy of the Confederation
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1983: Aerodat Report on Helicopter Electromagnetic and Magnetic
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C E R T I F I C A T E

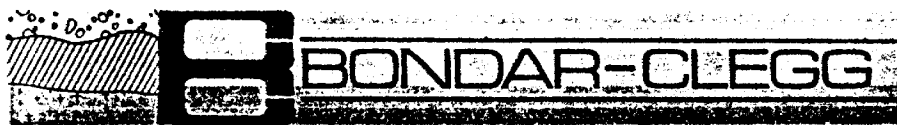
I Ronald Allan Zinn hereby declare that:

1. I am a graduate of the University of Waterloo in 1978 with a B.Sc. (Earth Sciences)
2. I reside at 715 Don Mills Road, Apt. 202, Don Mills, Ontario
3. I have practiced Geology since graduation, first with Essex Minerals Ltd. until November, 1978, then with M.P.H. Consulting Ltd. until October 1980, and since then with Northgate Exploration Limited.
4. I have worked in Alaska, British Columbia, Saskatchewan, Manitoba, Ontario, Quebec and Greenland.
5. I am a member in good standing of the Geological Association of Canada and of the Prospectors and Developers Association.



R.A. Zinn, B.Sc.

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764 Belfast Road
Ottawa, Ontario
Canada K1G
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Telex: 053-4433



Geochemical
Lab Report

REPORT: 013-2955

FROM: DROFINO RESOURCES LTD.

SUBMITTED BY: NORTHGATE

DATE: 08-NOV-83 PROJECT: 430

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARA
01	Au	5 PPB	AQUA REGIA	Fire Assay AA	-10	HUKUS	SEIVE -10

REPORT COPIES TO: G. HARPER
RON ZINN

INVOICE TO: G. HARPER

REMARKS: < MEANS LESS THAN
SAMPLE L135 250E HAS BEEN ANALYZED IN
TRIPLICATE. THE DETERMINED AU VALUES ARE
100 PPB, <5 PPB & <10 PPB

DETECTION LIMITS FOR GOLD
10 gram sample: 5 ppb.
5 gram sample: 10 ppb.
1 gram sample: 50 ppb.

Sample Wt. 10 g. unless otherwise stated.

NOTE:
Check concentration/sample weight ratio
for effective detection level.

144 total

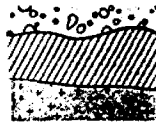
118 sample

013-2955

PROJECT: 430

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PPB	wt/AU GH	NOTES	SAMPLE NUMBER	ELEMENT UNITS	AU PPB	wt/AU GH
L8S 825E		<5			L10S 950E		<5	
L8S 875E		<5			L10S 975E		<5	
L8S 900E		<5			L10S 1050E		<5	
L8S 975E		<10	6.70		L10S 1075E		5	
L8S 1000E		<5			L10S 1175E		<5	
L8S 1025E		<5			L10S 1200E		<5	
L8S 1050E		<5			L11S 00E		5	
L8S 1075E		15			L11S 25E		<5	
L8S 1125E		<5			L11S 50E		<5	
L8S 1150E		<5			L11S 75E		<5	
L8S 1175E		<5			L11S 100E		<5	
L9S 250W		5			L11S 125E		<5	
L9S 225W		5			L11S 150E		<5	
L9S 150E		<5			L11S 175E		<5	
L9S 175E		<5			L11S 200E		<5	
L9S 275E		<5			L11S 225E		<5	
L9S 450E		10			L11S 250E		<5	
L9S 550E		<5			L11S 325E		<5	
L9S 600E		<5			L11S 350E		<5	
L9S 625E		<5			L11S 375E		<5	
L9S 650E		<5			L11S 400E		<5	
L10S 75E		<5			L11S 475E		<5	
L10S 125E		<5			L1125S 000		<5	
L10S 150E		<5			L1175S BL		<5	
L10S 175E		<5			L12S 000		<5	
L10S 200E		<5			L12S 25E		5	
L10S 225E		<5			L12S 50E		<5	
L10S 275E		<5			L12S 125E		<5	
L10S 300E		<5			L12S 200E		<5	
L10S 325E		<5			L12S 250E		<5	
L10S 375E		<5			L12S 275E		<5	
L10S 525E		<5			L12S 575E		<5	
L10S 550E		<5			L12S 600E		<5	
L10S 650E		<5			L12S 650E		<5	
L10S 725E		<5			L12S 775E		<5	
L10S 775E		<5			L12S 825E		<5	
L10S 800E		<5			L12S 875E		<5	
L10S 825E		<5			L12S 925E		<5	
L10S 875E		<5			L12S 1100E		<5	
L10S 925E		<10	8.70		L12S 1125E		<5	



013-2955

PROJECT: 430

PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Ag PPB	wt/Au GM	NOTES
L12S 1150E		<5		
L13S 25W		<5		
L13S BL		<5		
L13S 25E		15		
L13S 125E		<5		
L13S 225E		<5		
L13S 250E		100	25 <10	
L13S 275E		<5		
L13S 350E		<5		
L13S 375E		<5		
L14S BL		<5		
L14S 25E		5		
L14S 50E		<5		
L14S 325E		<5		
L14S 425E		<5		
L14S 475E		<5		
L14S 500E		<5		
L14S 1100E		<5		
L14S 1125E		<5		
L14S 1150E		<5		
L14S 1175E		<5		
L14S 1200E		<5		
L14S 1250E		<5		
L14S 1275E		<5		
L14S 1300E		<5		
L19S 275W		<5		
L19S 250W		<5		
L19S 225W		<5		
L19S 200W		<5		
L19S 175W		<5		
L19S 125W		<5		
L19S 75W		<5		
L19S 50W		<5		
L19S 25W		<5		
L20S 150W		<5		
L20S 50W		<5		
L22S 50W		<5		
L22W 25W		<5		

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Geochemical
Lab Report

File Emergency.

REPORT: 013-2954

FROM: DRIFINO RESOURCES LTD.
DATE: 03-NOV-83 PROJECT: 430

SUBMITTED BY: NORTHGATE

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATION
01	Au	5 PPB	AQUA REGIA	Fire Assay AA	-10 MESH/MUMUS		SEIVE -10

REPORT COPIES TO: G. HARPER
RON ZINN

INVOICE TO: G. HARPER

REMARKS: < MEANS LESS THAN
SAMPLE NO. L55 125W WAS NOT RECEIVED.

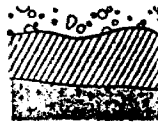
DETECTION LIMITS FOR GOLD
10 gram sample: 5 ppb.
5 gram sample: 10 ppb.
1 gram sample: 50 ppb.

Sample Wt. 10 g. unless otherwise stated.

NOTE:

Check concentration/sample weight ratio
for effective detection level.

146



BONDAR-CLEGG

Geochemical
Lab Report

PORT: 013-2954

PROJECT: 430

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GM	NOTE
L4S 250E		5			L5S 75E		<5		
L4S 425E		<5			L5S 100E		<5		
L4S 450E		<5			L5S 175E		5		
L4S 475E		5			L5S 200E		<5		
L4S 500E		<5			L5S 225E		<5		
L4S 525E		<5			L5S 250E		<5		
L4S 550E		<5			L5S 4+00E		<5		
L4S 575E		<5			L5S 4+25E		<5		
L4S 600E		<5			L5S 4+50E		<5		
L4S 625E		<5			L5S 5+25E		30		
L4S 650E		<5			L5S 5+50E		<5		
L4S 700E		<5			L5S 5+75E		5		
L4S 725E		<5			L5S 6+00E		<5		
L4S 775E		<5			L5S 6+25E		<5		
L4E 800E		<5			L5S 6+50E		<5		
L4E 825E		<5			L5S 6+75E		<5		
L4E 850E		<10	8.80		L5S 7+00E		<5		
L4S 875E		<5			L5S 7+50E		5		
L4S 900E		<10	9.22		L5S 8+25E		<5		
L4S 925E		<5			L5S 8+75E		<5		
L4S 950E		<5			L5S 9+00E		5		
L4S 975E		<5			L5S 9+75E		<5		
L4S 1000E		80			L5S 10+25E		<5		
L4S 1025E		<10	7.87		L5S 10+50E		5		
L4S 1050E		<5			L5S 10+75E		<5		
L4S 1075E		<5			L5S 11+00E		<5		
L4S 1100E		<5			L6S 300W		<5		
L5S 350W		20			L6S 275W		<5		
L5S 275W		<10	7.18		L6S 250W		10		
L5S 250W		<10	6.30		L6S 200W		<5		
L5S 225W		<5			L6S 150W		<5		
L5S 200W		<5			L6S 125W		<5		
L5S 150W		<5			L6S 100W		<5		
L5S 125W		<5			L6S 75W		<5		
L5S 100W		<5			L6S 50W		<5		
L5S 75W		5			L6S 25E		<5		
L5S 50W		<5			L6S 50E		<5		
L5S 25W		5			L6S 125E		<5		
L5S 25E		5			L6S 150E		<10	5.00	
L5S 50E		<5			L6S 175E		<5		

80

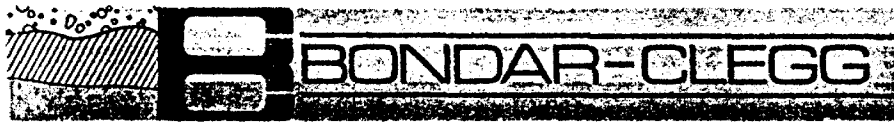
PORT: 013-2954

PROJECT: 430

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GH	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GH
L6S 200E		<5			L7S 750E		<5	
L6S 4+25E		<5			L7S 775E		<5	
L6S 4+50E		<5			L7S 800E		<5	
L6S 5+25E		<5			L7S 850E		<5	
L6S 5+50E		430			L7S 950E		<5	
L6S 5+75E		5			L7S 1050E		<5	
L6S 6+00E		<5			L7S 1150E		<5	
L6S 7+50E		<5			L7S 1175E		<5	
L6S 8+50E		5			L7S 1200E		<5	
L6S 8+75E		15			L8S 3+00W		5	
L6S 9+00E		5			L8S 2+75W		<5	
L6S 10+75E		<5			L8S 2+00W		<5	
L6S 11+00E		<5			L8S 1+50W		<5	
L6S 11+50E		10			L8S 1+25W		<5	
L6S 11+75E		5			L8S 1+00W		<5	
L6S 12+00E		<5			L8S 0+75S		<5	
L6S 12+50E		<5			L8S 3+00E		<5	
L6S 12+75E		5			L8S 3+25E		5	
L6S 13+25E		5			L8S 3+50E		<5	
L7S 250W		10			L8S 3+75E		<5	
L7S 175W		5			L8S 4+25E		<5	
L7S 150W		5			L8S 450E		<5	
L7S 125W		<10	8.03		L8S 525E		5	
L7S 75W		10			L8S 6+25E		5	
L7S 50W		<10	6.30		L8S 750E		<5	
L7S 25W		5			L8S 7+75E		<5	
L7S BL		5						
L7S 25E		10						
L7S 100E		5						
L7S 125E		<5						
L7S 175E		5						
L7S 200E		10						
L7S 250E		5						
L7S 400E		<10	4.70					
L7S 525E		5						
L7S 575E		<5						
L7S 600E		<5						
L7S 625E		<5						
L7S 675E		<5						
L7S 725E		<10	9.90					

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Telex: 013-4455



Geochemical
Lab Report

REPORT: 013-2953

FROM: DRIFINO RESOURCES LTD.
DATE: 02-NOV-83 PROJECT: 430

SUBMITTED BY: NORTHGATE

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATION
01	Au	5 PPB	AQUA REGIA	Fire Assay AA	-10 MESH/UMUS		SEIVE -10

REPORT COPIES TO: G. HARPER
RON ZINN

INVOICE TO: G. HARPER

REMARKS: < MEANS LESS THAN

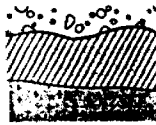
DETECTION LIMITS FOR GOLD
10 gram sample: 5 ppb.
5 gram sample: 10 ppb.
1 gram sample: 50 ppb.

Sample Wt. 10 g. unless otherwise stated.

NOTE:

Check concentration/sample weight ratio
for effective detection level.

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PROJECT: 430

PAGE 1

LE	ELEMENT	Au	wt/Au	NOTES	SAMPLE	ELEMENT	Au	wt/Au	NOTE
SER	UNITS	PPB	GM		NUMBER	UNITS	PPB	GM	
L2N 100W		<5			L1N 7+00E		5		
L2N 75W		<5			BL 1375N		<5		
L2N 50W		5			BL 1350N		10		
L2N 25W		5			BL 1300N		5		
L2N 50E		<5			BL 1100N		5		
L2N 100E		<5			BL 5+75N		<5		
L2N 150E		10			BL 5+25N		5		
L2N 200E		<5			BL 5+00N		<5		
L2N 225E		<5			BL 4+75N		5		
L2N 275E		<5			BL 4+00N		5		
L2N 325E		<5			BL 3+75N		5		
L2N 375E		<5			BL 3+50N		5		
L2N 400E		5			BL 3+25N		<5		
L2N 425E		<5			BL 3+00N		5		
L2N 450E		<5			BL 225N		<5		
L2N 475E		<5			BL 1+75N		<5		
L2N 500E		<5			BL 1+50N		<5		
L2N 525E		<5			BL 1+25N		<5		
L2N 550E		<5			BL 1+00N		<5		
L2N 925E		5			BL 0+75N		<5		
L1N 1+00W		<5			BL 0+50N		<5		
L1N 0+75W		<5			BL 0+25S		<5		
L1N 0+50W		5			BL 0+50S		<5		
L1N 0+25W		5			BL 0+75S		<5		
L1N 0+25E		<5			BL 1+00S		<5		
L1N 0+50E		<5			BL 125S		<5		
L1N 0+75E		<5			BL 150S		<5		
L1N 1+00E		<5			BL 175S		<5		
L1N 1+25E		<5			BL 2+50S		5		
L1N 1+50E		<5			BL 3+00S		<5		
L1N 1+75E		10			BL 425S		<5		
L1N 4+50E		<5			BL 500S		5		
L1N 4+75E		<5			BL 525S		<5		
L1N 5+00E		<5			BL 550S		<5		
L1N 5+25E		5			BL 575S		<5		
L1N 5+50E		10			BL 600S		<5		
L1N 5+75E		<5			BL 625S		<5		
L1N 6+25E		<5			BL 650S		5		
L1N 6+50E		10			BL 675S		15		
L1N 6+75E		5			BL 7+50S		5		

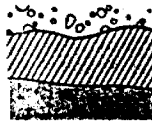


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PROJECT: 430

PAGE 2

PL	ELEMENT UNITS	Au PPB	wt/Au GM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GM	NOTES
PL 7175S		5			OS 1025E		<5		
PL 1050S		<5			OS 1100E		5		
PL 1075S		<5			OS 1125E		<5		
PL 1225S		<5			OS 1175E		<5		
PL 1325S		<5			OS 1200E		<5		
PL 1350S		5			OS 1275E		<5		
PL 1375S		<5			OS 1300E		<5		
OS 0E		<5			OS 1325E		<5		
OS 25E		<5			OS 1350E		5		
OS 50E		<5			OS 1375E		5		
OS 75E		<5			OS 1400E		<5		
OS 100E		<5			OS 1425E		<5		
OS 125E		5			OS 1500E		<5		
OS 150E		<5			OS 1525E		<5		
OS 175E		5			OS 1550E		<5		
OS 200E		<5			OS 1575E		<5		
OS 225E		<5			L1S 0+25E		<5		
OS 375E		<5			L1S 0+50E		<5		
OS 400E		<5			L1S 2+00E		5		
OS 425E		<5			L1S 2+25E		<5		
OS 450E		<5			L1S 2+75E		<5		
OS 475E		<5			L1S 3+00E		5		
OS 500E		<5			L1S 3+25S		<5		
OS 525E		<5			L1S 3+50E		<5		
OS 550E		<5			L1S 3+75E		<5		
OS 575E		<5			L1S 4+50E		<5		
OS 600E		<5			L1S 5+25E		<5		
OS 625E		<5			L1S 5+50E		<5		
OS 650E		5			L1S 5+75E		<5		
OS 675E		<5			L1S 6+25E		<5		
OS 725E		<5			L1S 6+50E		<5		
OS 750E		<5			L1S 6+75E		<5		
OS 775E		5			L1S 7+00E		<5		
OS 800E		<5			L1S 7+25E		<5		
OS 825E		<5			L1S 7+50E		<5		
OS 850E		<5			L1S 7+75E		<5		
OS 875E		<5			L1S 8+00E		<5		
OS 900E		<5			L1S 8+25E		<5		
OS 925E		<5			L1S 8+50E		<5		
OS 1000E		5			L1S 8+75E		<5		



J13-2953

PROJECT: 430

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ELEMENT NUMBER	ELEMENT UNITS	AU PPB	WT/AU GM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	AU PPB	WT/AU GM	NOTE
L1S 9+00E		<5			L2S 1050E		20		
L1S 9+50E		3360			L2S 1075E		185		
L1S 9+75E		25			L2S 1150E		<5		
L1S 10+25E		<5			L3S 1+00E		5		
L1S 10+50E		5			L3S 1+25E		<5		
L1S 10+75E		<5			L3S 2+25E		5		
L1S 11+00E		<5			L3S 2+50E		<5		
L1S 11+25E		<5			L3S 2+75E		<5		
L2S 25E		10			L3S 3+00E		<5		
L2S 50E		<5			L3S 3+25E		<5		
L2S 100E		<5			L3S 3+50E		<5		
L2S 125E		<5			L3S 3+75E		<5		
L2S 175E		<5			L3S 4+25E		<5		
L2S 200E		10			L3S 4+75E		<5		
L2S 225E		<5			L3S 5+00E		<5		
L2S 250E		<5			L3S 5+25E		<5		
L2S 275E		<5			L3S 5+50E		<5		
L2S 325E		<5			L3S 5+75E		5		
L2S 375E		<5			L3S 6+00E		<5		
L2S 400E		<5			L3S 6+25E		<5		
L2S 425E		<5			L3S 6+50E		<5		
L2S 475E		<5			L3S 6+75E		<5		
L2S 550E		<5			L3S 7+00E		<5		
L2S 575E		<5			L3S 7+25E		5		
L2S 600E		<5			L3S 7+50E		<5		
L2S 625E		<5			L3S 7+75E		<5		
L2S 650E		<5			L3S 8+00E		<5		
L2S 675E		<5			L3S 8+50E		<5		
L2S 700E		<5			L3S 8+75E		<5		
L2S 725E		5			L3S 9+25E		<5		
L2S 775E		5			L3S 9+50E		<5		
L2S 800E		<10	6.30		L3S 9+75E		5		
L2S 825E		<5			L3S 10+00E		<5		
L2S 850E		<5			L3S 10+25E		<5		
L2S 875E		<5			L3S 10+50E		<5		
L2S 900E		<5			L3S 10+75E		<5		
L2S 925E		<5			L3S 11+00E		<5		
L2S 950E		<5			L4S 50W		5		
L2S 1000E		695			L4S 100E		<5		
L2S 1025E		1090			L4S 125E		<5		



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PROJECT: 430

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LE NUMBER	ELEMENT UNITS	AU PPB	wt/AU GM	NOTES
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L45 225E		<5		
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REPORT: 013-2952

FROM: DROFIND RESOURCES LTD.

SUBMITTED BY: NORTHGATE

DATE: 02-NOV-83 PROJECT: 430

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATION
01	Au	5 PPB	AQUA REGIA	Fire Assay AA	-10 MESH/MUMUS		SEIVE -10

REPORT COPIES TO: G. HARPER
RON ZINN

INVOICE TO: G. HARPER

REMARKS: < MEANS LESS THAN
SAMPLE LIIN-50E WAS ANALYZED IN DUPLICATE,
THE DETERMINED AU VALUES WERE 810 PPB AND
35 PPB.

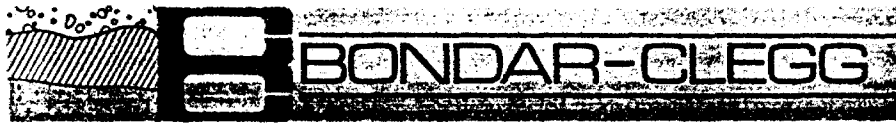
DETECTION LIMITS FOR GOLD
10 gram sample: 5 ppb.
5 gram sample: 10 ppb.
1 gram sample: 50 ppb.

Sample Wt. 10 g. unless otherwise stated.

NOTE:

Check concentration/sample weight ratio
for effective detection level.

239
4, 30
6 2,6
7 44



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PROJECT: 430

PAGE 1

ELEMENT R	AU PPB	WT/AU GM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	AU PPB	WT/AU GM	NOTES
L13N 4+00W	10			L9N 15+00E		5		
L13N 3+75W	5			L9N 15+50E		5		
L13N 350W	<5			L8N 25E		5		
L13N 300W	<5			L8N 75E		30		
L13N 2+75W	<5			L8N 125E		5		
L13N 2+50W	<5			L8N 175E		<5		
L13N 2+25W	<5			L8N 200E		5		
L13N 200W	5			L8N 275E		5		
L13N 1+00W	<5			L8N 300E		10		
L13N 50E	<5			L8N 325E		<5		
L13N 100E	<5			L8N 400E		<5		
L13N 125E	<5			L8N 550E		<5		
L11N 3+75W	5			L8N 925E		15		
L11N 3+50W	<5			L8N 9+50E		<5		
L11N 3+25W	<5			L8N 1000E		5		
L11N 300W	5			L8N 1075E		<5		
L11N 275W	5			L8N 1100E		5		
L11N 2+50W	5			L8N 1125E		<5		
L11N 2+25W	<5			L8N 1150E		<5		
L11N 2+00W	5			L8N 1175E		10		
L11N 50W	<5			L8N 1200E		<5		
L11N 50E	810			L8N 1225E		<5		
L11N 75E	10			L8N 1250E		<5		
L11N 220E	<5			L8N 1275E		5		
L10N 12+00E	<5			L8N 1575E		<5		
L10N 14+00E	<5			L7N 1+50W		5		
L10N 15+00E	<5			L7N 1+25W		5		
L9N 75E	<5			L7N 1+00W		5		
L9N 100E	<5			L7N 0+75W		5		
L9N 275E	5			L7N 0+50W		10		
L9N 350E	5			L7N 0+25W		<5		
L9N 400E	10			L7N 25E		<5		
L9N 425E	10			L7N 50E		<5		
L9N 9+25E	5			L7N 75E		<5		
L9N 1075E	10			L7N 100E		5		
L9N 1100E	15			L7N 125E		<5		
L9N 1125E	10			L7N 150E		<5		
L9N 1250E	<5			L7N 175E		5		
L9N 1300E	5			L7N 200E		<5		
L9N 1400E	5			L7N 250E		<5		

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PROJECT: 430

PAGE 2

ELEMENT R	UNITS	AU PPB	WT/AU GM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	AU PPB	WT/AU GM	NOTES
L7N 275E		5			L6N 225E		<5		
L7N 300E		<5			L6N 250E		5		
L7N 325E		<5			L6N 300E		<5		
L7N 350E		<5			L6N 350E		<5		
L7N 375E		<5			L6N 375E		<5		
L7N 400E		<5			L6N 400E		<5		
L7N 425E		<5			L6N 425E		<5		
L7N 450E		5			L6N 500E		<5		
L7N 475E		<5			L6N 525E		15		
L7N 525E		10			L6N 550E		<5		
L7N 550E		10			L6N 600E		10		
L7N 9+25E		<5			L6N 9+50E		<5		
L7N 9+50E		5			L6N 975E		10		
L7N 10+50E		5			L6N 10+00E		10		
L7N 11+00E		<5			L6N 1175E		<5		
L7N 11+25E		<5			L6N 1275E		<5		
L7N 11+50E		5			L6N 1350E		<5		
L7N 11+75E		<5			L6N 1475E		<5		
L7N 12+00E		10			L6N 1500E		<5		
L7N 12+25E		<5			L6N 1550E		5		
L7N 12+50E		5			L6N 1600E		<5		
L7N 1400E		<5			L6N 1625E		<5		
L7N 1425E		<5			L6N 1650E		10		
L7N 1450E		5			L6N 1675E		15		
L7N 1575E		<5			L5N 2+25W		<5		
L6N 2+75W		5			L5N 2+00W		5		
L6N 2+50W		<5			L5N 1+75W		<5		
L6N 2+25W		10			L5N 1+50W		10		
L6N 2+00W		5			L5N 1+25W		10		
L6N 1+75W		5			L5N 1+00W		10		
L6N 1+50W		5			L5N 0+75W		10		
L6N 1+25W		<5			L5N 0+50W		5		
L6N 1+00W		5			L5N 0+25W		10		
L6N 0+75W		<5			L5N 0+25E		10		
L6N 0+50W		<5			L5N 0+50E		10		
L6N 0+25W		5			L5N 0+75E		<5		
L6N 50E		<5			L5N 1+50E		5		
L6N 75E		<5			L5N 1+75E		<5		
L6N 100E		5			L5N 2+00E		5		
L6N 175E		<5			L5N 2+25E		<5		

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PROJECT: 430

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ELEMENT	Au	wt/Au	NOTES	SAMPLE	ELEMENT	Au	wt/Au	NOTES
R	PPB	GM		NUMBER	UNITS	PPB	GM	
JN 2450E	<5			L4N 5425E		5		
LSN 2475E	10			L4N 5475E		<5		
LSN 3400E	5			L4N 6400E		10		
LSN 3425E	<5			L4N 6420E		<5		
LSN 3450E	<5			L4N 925E		<5		
LSN 3475E	5			L4N 1100E		10		
LSN 4400E	5			L4N 1225E		10		
LSN 4425E	5			L4N 1250E		10		
LSN 4450E	5			L3N 175W		10		
LSN 5400E	<5			L3N 150W		5		
LSN 5425E	<5			L3N 25E		5		
LSN 5450E	15			L3N 75E		<5		
LSN 5475E	5			L3N 100E		<5		
LSN 6425E	5			L3N 125E		5		
LSN 1600E	<5			L3N 150E		5		
LSN 1650E	<5			L3N 175E		5		
LSN 1675E	5			L3N 200E		10		
LSN 1725E	<5			L3N 225E		5		
LSN 1775E	<5			L3N 275E		5		
L4N 1425W	<5			L3N 325E		5		
L4N 0475W	5			L3N 375E		10		
L4N 0450W	5			L3N 400E		5		
L4N 0425W	<5			L3N 425E		<5		
L4N 0425E	<5			L3N 450E		<5		
L4N 0475E	<5			L3N 475E		15		
L4N 1400E	<5			L3N 500E		10		
L4N 1425E	<5			L3N 550E		10		
L4N 1450E	<5			L3N 575E		175		
L4N 1475E	5			L3N 9400E		15		
L4N 2400E	<5			L3N 925E		10		
L4N 2425E	5			L3N 11475E		10		
L4N 2450E	<5			L3N 1250E		5		
L4N 2475E	<5			L3N 1325E		10		
L4N 3400E	<5			L3N 1350E		5		
L4N 3475E	<5			L3N 1375E		<5		
L4N 4400E	5			L3N 1400E		5		
L4N 4425E	5			L3N 1425E		<5		
L4N 4450E	10			L3N 1475E		5		
L4N 4475E	<5			L3N 1625E		<5		
L4N 5400E	<5							

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Bondar-Clegg & Company Ltd.
764 Belfast Road
Ottawa, Ontario
Canada K1C
Phone: (613) 10
Telex: 053-4455



BONDAR-CLEGG

**Geochemical
Lab Report**

REPORT: 013-2131

FROM: DROFINO RESOURCES LTD.
DATE: 13-SEP-83 PROJECT: 430-23

SUBMITTED BY: R. ZINN

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Au	5 PPB	AQUA REGIA	Fire Assay AA	-200	SOILS	PULVERIZE -200

REPORT COPIES TO: G. HARPER
RON ZINN

INVOICE TO: G. HARPER

REMARKS: < MEANS LESS THAN

DETECTION LIMITS FOR GOLD
10 gram sample: 5 ppb.
5 gram sample: 10 ppb.
1 gram sample: 50 ppb.

Sample Wt. 10 g. unless otherwise stated.

NOTE:
Check concentration/sample weight ratio
for effective detection level.

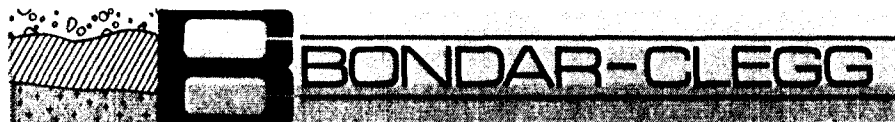
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REPORT: 013-2131

PROJECT: 430-23

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au gm	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au gm	NOTES
BL 6+75S		10			L9N 12+25E		<5		
BL 14+25S		5			L9N 12+50E		<5		
BL 14+50S		<5			L9N 12+75E		<5		
BL 17+75S		<5			BL 13E 9+00N		<5		
BL 18+00S		<5			L10N 11+25E		<5		
BL 15+00E		<5			L10N 11+50E		<5		
L2N 9+00E		<5			L10N 11+75E		<5		
L2N 9+25E		<5			L10N 12+00E		<5		
L2N 9+50E		<5			L10N 12+25E		<5		
L2N 9+75E		<5			L10N 12+50E		<5		
L2N 10+00E		<5			L15S 0+25E		<5		
L2N 10+25E		<5			L15S 1+00E		<5		
L2N 10+50E		<5			L15S 1+25E		<5		
L2N 10+75E		<5			L15S 2+25E		<5		
L2N 11+00E		<5			L15S 2+50E		<5		
L2N 11+25E		<5			L15S 2+75E		<5		
L4N 16+25E		<5			L15S 3+00E		<5		
L4N 16+50E		<5			L15S 3+25E		<5		
L4N 17+00E		<5			L15S 3+50E		<5		
L4N 17+25E		<5			L15S 4+00E		<5		
L4N 17+50E		<5			L15S 4+25E		<5		
L4N 17+75E		<5			L15S 4+50E		<5		
L4N 17+92E		<5			L15S 4+75E		<5		
L5N 16+25E		<5			L15S 5+00E		<5		
L5N 16+50E		5			L15S 5+25E		<5		
L5N 16+75E		<5			L15S 10+25E		<5		
L5N 17+00E		<5			L15S 10+50E		<5		
L5N 17+25E		<5			L15S 10+75E		<5		
L5N 17+50E		<5			L15S 11+00E		<5		
L5N 17+75E		<5			L15S 11+25E		<5		
L9N 9+25E		<5			L15S 11+50E		<5		
L9N 9+50E		<5			L16S 0+50E		<5		
L9N 9+75E		<5			L16S 1+75E		<5		
L9N 10+00E		<5			L16S 3+75E		<5		
L9N 10+25E		<5			L16S 4+00E		<5		
L9N 10+50E		<5			L16S 4+50E		<5		
L9N 11+25E		<5	1.40		L16S 4+75E		<5		
L9N 11+50E		<5			L16S 5+25E		<5		
L9N 11+75E		<5			L16S 10+00E		<5		
L9N 12+00E		<5			L16S 10+25E		<5		

80



REPORT: 013-2131

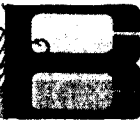
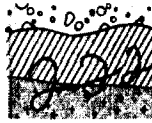
PROJECT: 430-23

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au gm	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au gm	NOTES
L16S 10+50E		<5			L19S 5+25E		5		
L16S 10+75E		<5			L19S 5+50E		5		
L16S 11+00E		<5			L19S 5+75E		<5		
L16S 11+25E		<5			L19S 6+00E		<5		
L16S 11+50E		<5			L20S 2+00W		<5		
L17S 0+50W		<5							
BL 17S		<5							
L17S 0+25E		<5							
L17S 2+75E		<5							
L17S 4+75E		5							
L17S 6+00E		5							
L17S 10+25E		<5							
L17S 10+50E		<5							
L17S 10+75E		<5							
L18S 3+25W		<5							
L18S 3+00W		<5							
L18S 2+75W		<5							
L18S 2+50W		<5							
L18S 2+25W		<5							
L18S 2+00W		<5							
L18S 0+75W		<5							
L18S 0+25W		<5							
L18S 1+25E		<5							
L18S 1+50E		<5							
L18S 2+25E		<5							
L18S 3+00E		<5							
L18S 4+50E		<5							
L18S 4+75E		<5							
L18S 5+00E		<5							
L18S 5+75E		<5							
L18S 6+00E		<5							
L18S 6+25E		<5							
BL 19S		<5							
L19S 0+25E		<5							
L19S 0+50E		<5							
L19S 1+75E		<5							
L19S 2+00E		<5							
L19S 2+25E		<5							
L19S 2+50E		<5							
L19S 2+75E		<5							

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BONDAR-CLEGG

**Geochemical
Lab Report**

REPORT: 013-2041

FROM: OROFINO RESOURCES LTD.
DATE: 13-SEP-83 PROJECT: 430-23

SUBMITTED BY: R. ZINN

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Au	5 PPB	AQUA REGIA	Fire Assay AA	-200	SOILS	PULVERIZE -200

REPORT COPIES TO: G. HARPER
RON ZINN

INVOICE TO: G. HARPER

REMARKS: L9S 11+00E AND L9S 11+25E DESTROYED IN TRANSIT
< MEANS LESS THAN

893 total

321

hr



REPORT: 013-2041

PROJECT: 430-23

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SAMPLE NUMBER	ELEMENT UNITS	Au PFB	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PFB	NOTES
BL 1300E 7+25N		<5		L1N 15+50E		<5	
BL 1300E 7+50N		<5		L1N 15+75E		<5	
BL 1300E 7+75N		<5		L1N 16+00E		<5	
BL 1300E 8+00N		<5		L1N 16+50E		<5	
BL 1300E 8+25N		<5		L2N 9+00E		<5	
BL 1300E 8+50N		<5		L2N 14+75E		<5	
BL 1300E 8+75N		<5		L2N 15+00E		<5	
BL 13E 9+50N		<5		L2N 15+25E		<5	
BL 13E 9+75N		<5		L2N 15+50E		<5	
BL 13E 10+25N		<5		L2N 15+75E		<5	
BL 13E 10+50N		<5		L2N 16+00E		5	
BL 13E 11+00N		<5		L2N 16+25E		5	
BL 7+25S		<40		L2N 16+50E		<5	
BL 7+50S		<50		L2N 16+75E		<5	
BL 8+60S		<5		L2N 17+25E		<5	
BL 8+75S		<5		L3N 9+25E		<5	
BL 9S		<5		L3N 9+50E		<5	
BL 9+25S		<5		L3N 9+75E		<5	
BL 9+50S		<5		L3N 10+00E		<5	
BL 10+50S		<5		L3N 10+25E		<5	
BL 10+75S		<5		L3N 10+50E		<5	
BL 11S		<5		L3N 10+75E		<5	
BL 12+25S		<5		L3N 16+50E		<5	
BL 12+50S		<5		L3N 16+75E		<5	
BL 12+75S		<5		L3N 17+00E		<5	
BL 13+00S		<5		L3N 17+25E		<5	
L1N 11+25E		<5		L3N 17+50E		<5	
L1N 11+50		<5		L3N 17+75E		<5	
L1N 11+75		<5		L4N 8+75E		<5	
L1N 12+25E		<5		L4N 9+00E		<5	
L1N 13+00E		<5		L4N 9+50E		<5	
L1N 13+25E		<5		L4N 9+75E		<5	
L1N 13+50E		<5		L4N 10+00E		<5	
L1N 13+75E		<5		L4N 10+25E		<5	
L1N 14+00E		<5		L4N 10+50E		<5	
L1N 14+25E		<5		L4N 10+75E		<5	
L1N 14+50E		<5		L4N 11+25E		<5	
L1N 14+75E		<5		L4N 11+50E		<5	
L1N 15+00E		<5		L4N 11+75E		<5	
L1N 15+25E		<5		L5N 9+25E		<5	

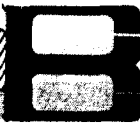
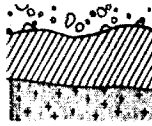


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PROJECT: 430-23

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SAMPLE NUMBER	ELEMENT UNITS	Au PPB	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	NOTES
L5N 9+50E		<5		L7N 16+00E		<5	
L5N 9+75E		<5		L7N 16+25E		<5	
L5N 10+00E		<5		L8N 9+25E		<5	
L5N 10+25E		<5		L8N 9+50E		<5	
L5N 10+50E		<5		L8N 9+75E		<5	
L5N 10+75E		<5		L8N 10+00E		<5	
L5N 11+00E		<5		L8N 10+25E		<5	
L5N 11+25E		<5		L8N 12+50E		<5	
L5N 11+75E		<5		L8N 12+50E		<5	
L5N 12+00E		<5		L8N 12+75E		<5	
L5N 12+25E		<5		L8N 13+25E		<5	
L5N 12+50E		<5		L8N 13+75E		<5	
L6N 9+00E		<5		L8N 14+00E		<5	
L6N 9+25E		<5		L8N 14+25E		<5	
L6N 9+50E		<5		L8N 14+50E		<5	
L6N 9+75E		<5		L8N 14+75E		<5	
L6N 10+00E		<5		L8N 15+00E		<5	
L6N 10+25E		<5		L8N 15+25E		10	
L6N 10+50E		<5		L9N 13+25E		<5	
L6N 12+25E		<5		L9N 13+50E		<5	
L6N 12+50E		<5		L9N 13+75E		<5	
L6N 12+75E		<5		L9N 14+00E		<5	
L6N 16+25E		<5		L9N 14+25E		<5	
L6N 16+75E		<5		L9N 14+50E		<5	
L7N 9+25E		<5		L9N 14+75E		<5	
L7N 9+50E		<5		L9N 15+00E		<5	
L7N 9+75E		<5		L10N 13+25E		<5	
L7N 10+00E		<5		L10N 13+50E		<5	
L7N 10+25E		<5		L10N 13+75E		<5	
L7N 10+50E		<5		L10N 14+00E		<5	
L7N 10+75E		<5		L10N 14+25E		<5	
L7N 11+00E		<5		L10N 14+50E		<5	
L7N 12+75E		<5		L10N 14+75E		<5	
L7N 13+25E		<5		L10N 15+00E		<5	
L7N 13+50E		<5		L11N 13+50E		<5	
L7N 13+75E		<5		L11N 13+75E		<5	
L7N 14+00E		<5		L11N 14+00E		<5	
L7N 14+25E		<5		L11N 14+25E		<5	
L7N 14+50E		<5		L11N 14+50E		<5	
L7N 14+75E		<5		L7S 1+25E		<5	



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PROJECT: 430-23

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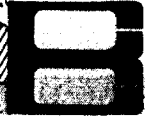
SAMPLE NUMBER	ELEMENT UNITS	AU PPB	NOTES	SAMPLE NUMBER	ELEMENT UNITS	AU PPB	NOTES
L7S 1+50E		<5		L8S 8+00E		<5	
L7S 2+00E		<5		L8S 8+25E		<5	
L7S 2+25E		<5		L8S 8+50E		<5	
L7S 4+75E		<5		L8S 8+75E		<5	
L7S 5+00E		<5		L8S 9+00E		<5	
L7S 5+25E		<5		L8S 10+25E		<5	
L7S 5+50E		<5		L8S 10+50E		<5	
L7S 5+75E		<5		L8S 10+75E		<5	
L7S 6+00E		<5		L8S 11+75E		<5	
L7S 6+50E		<5		L8S 0+25W		<5	
L7S 6+75E		<5		L8S 0+50W		<5	
L7S 7+00E		10		L8S 0+75W		<5	
L7S 7+25E		<5		L8S 1+75W		<5	
L7S 10+50E		<5		L8S 2+25W		<50	
L7S 10+75E		<5		L8S 2+50W		<5	
L7S 11+00E		<5		L8S 3+00W		<5	
L7S 11+25E		<5		L9S 0+25E		<5	
L7S 11+75E		<5		L9S NO NUMBER		<5	
L7S 1+50W		<5		L9S 0+75E		<5	
L7S 1+75W		<5		L9S 1+00E		<5	
L7S 2+00W		<5		L9S 1+25E		<5	
L7S 2+25W		<5		L9S 1+50E		<5	
L8S 0+25E		<5		L9S 1+75E		<5	
L8S 0+50E		<5		L9S 2+00E		10	
L8S 0+75E		<5		L9S 2+25E		<5	
L8S 1+00E		<5		L9S 3+75E		170	NEAR TO
L8S 1+25E		<5		L9S 4+00E		<5	
L8S 1+50E		<5		L9S 4+25E		<5	
L8S 1+75E		<5		L9S 4+75E		<5	
L8S 2+00E		<5		L9S 5+00E		<5	
L8S 4+50E		<5		L9S 5+50E		<5	
L8S 4+75E		<5		L9S 5+75E		<5	
L8S 5+00E		<5		L9S 6+00E		<5	
L8S 5+50E		<5		L9S 6+25E		<5	
L8S 6+50E		<5		L9S 6+50E		<5	
L8S 6+75E		<5		L9S 6+75E		<5	
L8S 7+00E		<5		L9S 7+00E		<5	
L8S 7+25E		<5		L9S 7+25E		<5	
L8S 7+50E		<5		L9S 10+75E		10	
L8S 7+75E		<5		L9S 11+25E		<5	

REPORT: 013-2041

PROJECT: 430-23 PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Au PFB	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PFB	NOTES
L9S 0+25W		<5		L12S 1+25E		<5	
L9S 0+50W		<5		L12S 1+50E		<5	
L9S 1+00W		<5		L12S 3+25E		<5	
L9S 1+25W		<5		L12S 3+50E		<5	
L9S 2+00W		<5		L12S 3+75E		<5	
L9S 2+25W		<5		L12S 4+00E		<5	
L9S 2+50W		<5		L12S 4+25E		<5	
L10S 0+25E		<5		L12S 4+75E		<5	
L10S 0+50E		<5		L12S 5+00E		5	
L10S 0+75E		<5		L12S 5+25E		<5	
L10S 1+00E		<5		L12S 10+25E		<10	
L10S 3+75E		<5		L12S 0+25W		<5	
L10S 4+00E		<5		L13S 0+25E		<5	
L10S 4+25E		<5		L13S 0+50E		<5	
L10S 4+50E		<5		L13S 0+75E		<5	
L10S 4+75E		<5		L13S 1+00E		<5	
L10S 5+00E		<5		L13S 1+25E		<5	
L10S 5+50E		<5		L13S 2+00E		<5	
L10S 5+75E		<5		L13S 2+75E		<5	
L10S 6+00E		<5		L13S 3+25E		<5	
L10S 6+25E		<5		L13S 3+60E		<5	
L10S 6+50E		<5		L13S 4+50E		<5	
L10S 6+75E		<5		L14S 0+00S		<5	
L10S 7+25E		<5		L14S 0+25E		<5	
L11S 0+25E		<5		L14S 0+50E		<5	
L11S 0+50E		<5		L14S 1+50E		<5	
L11S 0+75E		<5		L14S 1+75E		<5	
L11S 1+25E		<5		L14S 2+75E		<5	
L11S 1+50E		<5		L14S 3+00E		<5	
L11S 4+00E		<5		L14S 3+50E		<5	
L11S 4+25E		<5		L14S 4+00E		<5	
L11S 4+50E		<5		L14S 4+25E		<5	
L11S 5+25E		<5		L14S 4+50E		<5	
L11S 5+50E		<5		L14S 4+75E		<5	
S11+25S 0+00		<5		L14S 11+50E		<5	
S11+50S 0+00		<5		L14S 11+75E		<5	
S11+75S 0+00		<5		L14S 12+00E		<5	
L12S 0+00		<5		L14S 12+25E		<5	
L12S 0+25E		<5		L14S 12+50E		<5	
L12S 1+00E		<5		L14S 12+75E		<5	

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764 Belfast Road
Ottawa, Ontario
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BONDAR-CLEGG

**Geochemical
Lab Report**

REPORT: 013-2041

PROJECT: 430-23

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SAMPLE NUMBER	ELEMENT UNITS	AU PPB
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NOTES

L14S 0+25W		<5
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Bondar-Clegg & Company Ltd.
764 Belfast Road
Ottawa, Ontario
Canada K1G 1G1
Phone: (613) 745-1010
Telex: 053-4455



BONDAR-CLEGG

**Geochemical
Lab Report**

REPORT: 013-1896

FROM: DROFINO RESOURCES LTD.
DATE: 09-SEP-83 PROJECT:

SUBMITTED BY: R. ZINN

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Au	5 PPB	AQUA REGIA	Fire Assay AA	-200	SOILS	PULVERIZE -200

REPORT COPIES TO: G. HARPER
RON ZINN

INVOICE TO: G. HARPER

REMARKS: < MEANS LESS THAN

DETECTION LIMITS FOR GOLD

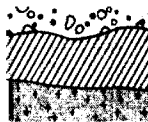
10 gram sample: 5 ppb.
5 gram sample: 10 ppb.
1 gram sample: 50 ppb.

Sample Wt. 10 g. unless otherwise stated.

NOTE:

Check concentration/sample weight ratio
for effective detection level.

275



REPORT: 013-1896

PROJECT:

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GM	NOTES
L1S 0+25E		<5			L3S 7+75E		<5		
L1S 0+50E		<5			L3S 8+00E		15		
L1S 0+75E		<5			L3S 8+50E		<5		
L1S 1+00E		<5			L3S 9+75E		<5		
L1S 1+25E		<5			L3S 10+00E		<5		
L1S 1+50E		<5			L3S 10+25E		<5		
L1S 1+75E		<5			L3S 10+75E		<5		
L1S 2+25E		<5			L3S 11+00E		<5		
L1S 2+50E		<5			L5S 4+50EA		<5		
L1S 4+00E		<5			L5S 4+50EB		<5		
L1S 4+25E		<5			L5S 4+75E		<5		
L1S 4+50E		5			L5S 5+00E		<5		
L1S 4+75E		<5			L5S 5+25E		10		
L1S 5+00E		<5			L5S 5+75E		<5		
L1S 5+25E		<5			L5S 6+00E		<5		
L1S 5+50E		<5			L5S 6+25E		<5		
L1S 5+75E		5			L5S 6+50E		<5		
L1S 6+00E		<5			L5S 7+00E		<5		
L1S 10+25E		<10	5.00		L5S 7+25E		<5		
L1S 10+50E		<5			L5S 7+50E		<5		
L1S 10+75E		<5			L5S 7+75E		<5		
L1S 11+00E		<5			L5S 8+75S		<5		
L1S 11+25E		<5			L5S 9+00E		<5		
L3S 0+25E		<5			L5S 9+25E		<5		
L3S 0+50E		<5			L5S 9+50E		<5		
L3S 0+75E		<5			L5S 9+75E		<5		
L3S 1+00E		<5			L5S 10+00E		<5		
L3S 1+25E		<5			L5S 10+25E		<5		
L3S 1+50E		<5			L5S 10+50E		<5		
L3S 1+75E		<5			L5S 10+75E		<5		
L3S 2+00E		<5			L5S 11+00E		<5		
L3S 2+25E		<5			L6S 4+25E		<5		
L3S 2+50E		<5			L6S 4+50E		<5		
L3S 2+75E		10			L6S 4+75E		<40	2.00	
L3S 4+00E		<5			L6S 5+00E		<5		
L3S 4+50E		<5			L6S 5+25E		<5		
L3S 4+75E		<5			L6S 5+75E		<5		
L3S 5+00E		<5			L6S 6+00E		<5		
L3S 6+00E		<5			L6S 6+25E		<5		
L3S 7+50E		<5			L6S 6+50E		<5		

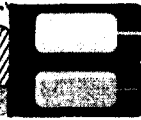
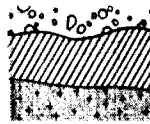


REPORT: 013-1896

PROJECT:

PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	wt/Au GM	NOTES
L6S 6+75E		<5			L4N 5+00E		<5		
L6S 7+00E		<5			L4N 5+50E		<5		
L6S 7+25E		<5			L4N 5+75E		<5		
L6S 7+50E		<5			L4N 6+20E		<5		
L6S 8+50E		<5			L5N 0+25E		<10	8.00	
L6S 8+75E		<5			L5N 0+50E		<5		
L6S 9+00E		<5			L5N 0+75E		<5		
L6S 9+25E		<5			L5N 1+25E		<5		
L6S 9+50E		<5			L5N 1+50E		<5		
L6S 9+75E		<5			L5N 3+00E		<5		
L6S 10+00E		<5			L5N 3+25E		<5		
L6S 10+50E		<5			L5N 3+75E		5		
L6S 11+25E		<5			L5N 4+00E		<5		
L6S 12+25E		<5			L5N 4+25E		<5		
L6S 12+50E		<5			L5N 4+50E		<5		
L6S 12+75E		<5			L5N 4+75E		5		
L6S 13+00E		<5			L5N 5+00E		<5		
L6S 13+25E		<5			L5N 5+25E		<5		
L1N 1+75E		<5			L5N 5+50E		<5		
L1N 5+50E		<5			L5N 5+75E		<5		
L1N 6+00E		<5			L5N 6+00E		<5		
L4N 2+00W		<5			L5N 6+25E		<5		
L4N 1+75W		<5			L5N 6+50E		<5		
L4N 1+50W		<5			L5N 6+75E		5		
L4N 1+25W		<5			BL 3+00S		5		
L4N 1+00W		<5			BL 2+75S		<5		
L4N 0+75W		<5			BL 2+25S		<5		
L4N 0+25W		<5			BL 0+25N		<5		
L4N 0+25E		<5			BL 0+75N		<5		
L4N 0+50E		<5			BL 1+25N		<5		
L4N 1+00E		<5			BL 1+50N		<5		
L4N 1+25E		<5			BL 1+75N		<5		
L4N 2+00E		<5			BL 4+00N		<5		
L4N 2+25E		<5			BL 4+25N		5		
L4N 2+50E		<5			BL 4+50N		<5		
L4N 2+75E		<5			S0S 50E		<5		
L4N 3+25E		<5			S0S 175E		<5		
L4N 3+50E		<5			S0S 350E		<5		
L4N 3+75E		<5			S0S 400E		<5		
L4N 4+25E		<5			S0S 425E		<5		



REPORT: 013-1896

PROJECT:

PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au PPR	wt/Au GM	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PPR	wt/Au GM	NOTES
S0S 500E		<5			S4S 75E		<5		
S0S 550E		<5			S4S 125E		<5		
S0S 625E		<5			S4S 150E		<5		
S0S 650E		<5			S4S 175E		<5		
S0S 675E		<5			S4S 200E		<5		
S0S 700E		<5			S4S 225E		<5		
S0S 775E		<5			S4S 275E		<50	1.00	
S0S 1150E		<5			S4S 425E		<5		
S0S 1200E		<5			S4S 450E		<5		
S0S 1225E		<5			S4S 475E		<5		
S0S 1350E		<5			S4S 500E		<5		
S0S 1375E		<5			S4S 525E		<5		
S0S 1400E		<5			S4S 725E		<5		
S0S 1425E		<5			S4S 750E		<5		
S0S 1450E		<5			S4S 775E		<5		
S0S 1475E		<5			S4S 950E		<5		
S0S 1500E		<5			S4S 975E		<5		
S0S 1525E		<5			S4S 1000E		<5		
S0S 1550E		<5			S4S 1025E		<5		
S0S 1575E		<5			S5S 225W		<5		
S0S 1600E		<5			S5S 175W		<5		
S0S 1625E		<5			S5S 125W		<5		
S0S 1650E		<5			S5S 100W		<5		
S2S 50E		<5			S5S 25W		<5		
S2S 75E		<5			S5S 25E		<5		
S2S 275E		<5			S5S 50E		<40	1.60	
S2S 300E		<5			S5S 150E		<5		
S2S 350E		<5			S5S 250E		<5		
S2S 375E		<5			S6S 275W		<5		
S2S 400E		<5			S6S 225W		<5		
S2S 450E		<5			S6S 200W		<5		
S2S 500E		<5			S6S 175W		<5		
S2S 525E		<5			S6S 125W		<5		
S2S 550E		<5			S6S 25W		<5		
S2S 1050E		<5			S6S 50E		<5		
S4S 100W		<5			S6S 200E		<5		
S4S 75W		<5			S2N 150W		<5		
S4S 25W		<5			S2N 50W		<5		
S4S 25E		<5			S2N 25W		<5		
S4S 50E		<5			S2N 25E		<5		

80



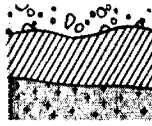
REPORT: 013-1896

PROJECT:

PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Au PFR	wt/Au GM	NOTES
S2N 75E		<5		
S2N 100E		<5		
S2N 200E		<5		
S2N 250E		<5		
S2N 275E		<5		
S2N 300E		<5		
S2N 500E		<5		
S2N 525E		<5		
S3N 125W		<5		
S3N 100W		<5		
S3N 75W		<5		
S3N 50W		<5		
S3N 25W		<5		
S3N 100E		<5		
S3N 300E		5		
S3N 325E		<5		
S3N 350E		<5		
S3N 375E		<5		
S3N 400E		<5		
S3N 500E		<5		
S3N 525E		<5		
SBL 675S		<5		
SBL 600S		<5		
SBL 550S		<5		
SBL 475S		<5		
SBL 450S		<5		
SBL 400S		<5		
SBL 375S		<5		
SBL 350S		<5		
SBL 175S		<5		
SBL 125S		<5		
SBL 200N		<5		
SBL 250N		<5		
SBL 275N		<5		
SBL 375N		<5		

Bondar-Clegg & Company Ltd.
764 Belfast Road
Ottawa, Ontario
Canada K1G
Phone: (613) 210-1010
Telex: 053-4455



BONDAR-CLEGG

**Geochemical
Lab Report**

REPORT: 013-1573

FROM: OROFINO RESOURCES LTD.
DATE: 10-AUG-83 PROJECT: 430/23

SUBMITTED BY: R. ZINN

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	AU	5 PPB	AQUA REGIA	LITE ASSAY AA	-20	SOILS	FULVERIZE -200 SEIVE -20

REPORT COPIES TO: G. HARPER
RON ZINN

INVOICE TO: G. HARPER

REMARKS: < MEANS LESS THAN

DETECTION LIMITS FOR GOLD

10 gram sample: 5 ppb.
5 gram sample: 10 ppb.
1 gram sample: 50 ppb.

Sample Wt. 10 g. unless otherwise stated.

NOTE:

Check concentration/sample weight ratio
for effective detection level.

172

893

21



REPORT: 013-1573

PROJECT: 430/23

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	AU PFB	uL/AU GN	NOTES	SAMPLE NUMBER	ELEMENT UNITS	AU PFB	uL/AU GN	NOTES
BL 5+00N		<5			L6N 350E		10 ✓		
BL 5+25N		<10			L6N 425E		<5		
BL 5+50N		<5			L6N 475E		<5		
BL 5+75N		20 ✓			L6N 500E		<5		
BL 6+00N		<5			L6N 525E		<5	10.00	
BL 6+25N		<5			L6N 575E		5		
BL 6+50N		<5			L7N 0+25W		<5		
BL 7+50N		10 ✓			L7N 0+50W		5		
BL 8+00N		5			L7N 0+75W		<5		
BL 10+50N		<5			L7N 1+25W		<5		
BL 10+75N		<5			L7N 1+50W		5		
BL 11+00N		<5			L7N 50E		<5		
BL 11+25N		<5			L7N 100E		<5		
BL 11+50N		<5			L7N 125E		35 ✓		
BL 11+75N		<5			L7N 150E		<5		
BL 13+50N		15 ✓			L7N 175E		<5		
BL 13+75N		<5			L7N 200E		<5		
BL 1225N		<5			L7N 225E		40 ✓		
BL 1250N		<5			L7N 275E		<5		
BL 1425		<5			L7N 300E		<5		
BL 1450		30 ✓			L7N 325E		<5		
BL 1475		<5			L7N 425E		<5		
BL 1550N		<5	10.00		L7N 475E		<5		
BL 1575N		55 ✓			L7N 500E		<5		
L5N 1+50W		<5			L7N 525E		<5		
L5N 1+75W		<5			8N 25W		<5		
L5N 2+00W		20 ✓			8N 75W		<5		
L5N 2+25W		<5			8N 50E		<5		
L6N 1+50W		<5			8N 75E		<5		
L6N 2+00W		<5			8N 100E		<5		
L6N 2+25W		<5			8N 125E		<5		
L6N 2+50W		<5			8N 150E		<5		
L6N 25E		<5			8N 175E		<5		
L6N 50E		5			8N 200E		<5		
L6N 100E		5			8N 225E		<5		
L6N 125E		5			8N 250E		<5		
L6N 150E		10 ✓			8N 275E		<5		
L6N 175E		<5			8N 425E		<5		
L6N 200E		10 ✓			8N 450E		<5		
L6N 275E		<5			8N 475E		<5		

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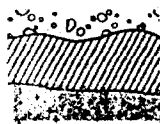
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REPORT: 013-1976

PROJECT: 430/23

PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Au PFB	wt/Au gm	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Au PFB	wt/Au gm	NOTES
8N 525E		<5			L11N 1475E		40	✓	
8N 550E		<5			L11N 2400E		15	✓	
9N 75W		<5			12N 200W		15	✓	
9N 100W		<5			12N 225W		10	✓	
9N 125W		<5			12N 250W		10	✓	
9N 25E		<5			12N 275W		<5		
9N 75E		<5			12N 300W		<5		
9N 175E		5			12N 75E		<5		
9N 200E		<5			L13N 0425W		<5		
9N 225E		<5			L13N 1425W		<5		
9N 250E		<5			L13N 1450W		5		
9N 275E		<5			L13N 2400W		<5		
L10N 0475W		<5			L13N 2450W		<5		
L10N 1400W		<5			L13N 3400W		5		
L10N 1425W		<5			L13N 0425E		<5		
L10N 1475W		<5			L13N 0450E		<5		
L10N 2400W		<5			L13N 0475E		<5		
L10N 2425W		<5			L13N 1400E		<5		
L10N 2450W		<5			L13N 1425E		<5		
L10N 2475W		<5			L14N 0400		<5		
L10N 2495W		150	✓		L14N 0425W		30	✓	
L10N 0475E		<5			L14N 0475W		5		
L10N 1450E		<5			L14N 1400W		<5		
L10N 2400E		<5			L14N 1425W		20	✓	
L10N 3425E		<5			L14N 1450W		20	✓	
L10N 3450E		5			L14N 1475W		<5		
L10N 3475E		<5			L14N 2400W		10	✓	
L11N 0425W		<5			L14N 2450W		<5		
L11N 0450W		<5			L14N 2475W		50	✓	
L11N 1400W		5			L14N 3400W		10	✓	
L11N 1475W		10	10.00		L14N 3425W		<5		
L11N 2425W		15			L14N 3450W		15	✓	
L11N 2450W		15			L14N 3475W		<5		
L11N 2475W		15			L14N 4425W		<5		
L11N 3425W		15			L14N 4450W		10	✓	
L11N 3450W		15			L14N 4475W		15	✓	
L11N 3475W		15			L14N 5450W		<5		
L11N 4400W		15			L14N 0425E		<5		
L11N 1400E		15			L14N 0450E		15	✓	
L11N 1425E		15			L14N 0475E		15	✓	



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DROFIND RESOURCES LTD.
G. HARPER
BOX 143, 1ST CANADIAN PL.
TORONTO, ONTARIO
M5X 1C7

Invoice: 104753
Date: November 08, 1983
Report No: 013-2955
Project: 430

✓ 118 Analyses of Gold - Fire Assay	at	6.00	708.00	
Subtotal			708.00	708.00
✓ Sample Preparation				
118 Samples of SEIVE -10	at	1.75	206.50	
Subtotal			206.50	206.50
Invoice Total				\$914.50

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hone: (613) 237-3110
Tele: 053-4455

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G. HARPER
BOX 148, 1ST CANADIAN PL.
TORONTO, ONTARIO
M5X 1C7

Invoice: 104696
Date: November 03, 1983
Report No: 013-2954
Project: 430

✓ 145 Analyses of Gold - Fire Assay	at	6.00	870.00	
Subtotal			870.00	870.00
✓ Sample Preparation				
146 Samples of SEIVE -10	at	1.75	255.50	
Subtotal			255.50	255.50
Miscellaneous Charges				
Shipping Charges			11.10	
Subtotal			11.10	11.10
Invoice Total				<u>\$1136.60</u>

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G. HARPER
BOX 148, 1ST CANADIAN PL.
TORONTO, ONTARIO
M5X 1C7

Invoice: 104654
Date: November 02, 1983
Report No: 013-2953
Project: 430

✓ 241 Analyses of Gold - Fire Assay	at	6.00	1446.00	
Subtotal			1446.00	1446.00
✓ Sample Preparation				
241 Samples of SEIVE -10	at	1.75	421.75	
Subtotal			421.75	421.75
Miscellaneous Charges				
Shipping Charges			11.10	
Subtotal			11.10	11.10
Invoice Total				<u>\$1878.85</u>

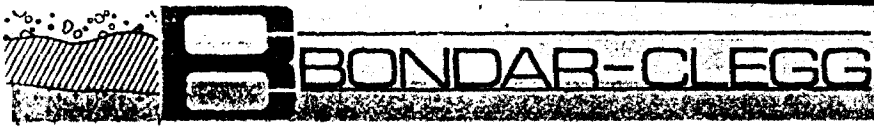
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Telex: 053-4455

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G. HARPER
BOX 148, 1ST CANADIAN PL.
TORONTO, ONTARIO
M5X 1C7

Invoice: 104671
Date: November 02, 1983
Report No: 013-2952
Project: 430

239 Analyses of Gold - Fire Assay	at	6.00	1434.00	
Subtotal			1434.00	1434.00
Sample Preparation				
239 Samples of SEIVE -10	at	1.75	418.25	
Subtotal			418.25	418.25
Miscellaneous Charges				
Shipping Charges			9.60	
Subtotal			9.60	9.60
Invoice Total				<u>\$1861.85</u>

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TORONTO, CANADA

December 9 19 83

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PAY

\$ 6,373.82

NORTHGATE EXPLORATION LIMITED

TO THE ORDER OF Bondar-Clegg & Company Ltd.
764 Belfast Road
Ottawa, Ontario
L1G 0Z5

PER NORTHGATE
PER NOT NEGOTIABLE

THE TORONTO-DOMINION BANK
55 KING ST. W. & BAY ST.
TORONTO, M5K 1A2 CANADA

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722-204	383 75		
750-303	99 13		
785-303	99 14		
200-002	5,791 80		
2105-002			
430-023			
paid by N GX with other B-C charges invoices are included			

FILE COPY

Handwritten notes:
722-204
750-303
785-303

Total analysis costs Project 430
= 13437.74 of which 8775.50
are soil and Asses charges
on unleased claims.

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NOV 25 1983

Handwritten signature: RZ

OROFINO RESOURCES LIMITED COMPANY LIMITED

0000102

August 19 1983

TORONTO, CANADA

OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110

TELEX \$106.27

PAY

TREAS 506274

OROFINO RESOURCES LIMITED

TO THE ORDER OF

Bondar-Clegg & Company Limited
764 Belfast Road
Ottawa, Ontario
L K0G 0Z5

DATE: Aug 19 1983
PER: *Negotiable*
REPORT NO. NOT NEGOTIABLE
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	AC		AC	
	430-024	198.27		
	432-013	100.00		
Analyses of Gold and Silver		\$10.50		\$84.00
Sample Preparations				24.00
				\$108.00

FILE COPY

DOCUMENT HAS A COLORED BACKGROUND - NOT A WHITE BACKGROUND



BONDAR OROFINO RESOURCES COMPANY LIMITED

0000055

July 7 1983

BELFAST ROAD

TORONTO, CANADA

PHONE: 237-3110 TELEX: 053-4455

PAY

\$ 198.27

TREAS 198274

TO THE ORDER OF

Northgate Exploration Limited,
Bondar-Clegg & Company Ltd.
764 Belfast Road
Ottawa, Ontario
L K1G 0Z5

INVOICE # 00280
OROFINO RESOURCES LIMITED
DATE: June 23, 1983

PER: *[Signature]*
PER: *[Signature]*
NOT NEGOTIABLE

THE TORONTO-DOMINION BANK
55 KING ST. W. & BAY ST.
TORONTO, M5K 1A2 CANADA

THE BACK OF THIS DOCUMENT CONTAINS AN ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW

OROFINO RESOURCES LIMITED - REMITTANCE ADVICE

PLEASE DETACH BEFORE DEPOSITING

	DEBIT		CREDIT	
	AC		AC	
430-24 bags (x4x1)	198	27	\$ 85.00/1000	\$ 70.00
			9% PST	15.30
				\$ 85.30
			7% PST	12.97
			TOTAL	\$ 198.27

FILE COPY

4-32
6-2-83

OROFINO RESOURCES LIMITED

August 22 1983

764 BELFAST ROAD, OTTAWA, ONTARIO, TORONTO, CANADA ONE: 237-3110 TELEX: 053-4455

PAY **TREASURY I 462000** \$ 1462.00

OROFINO RESOURCES LIMITED

TO THE ORDER OF **Bondar-Clegg & Company Ltd.**
764. Belfast Road
Ottawa, Ontario
L K0G 0Z5
 THE TORONTO-DOMINION BANK
 55 KING ST. W. & BAY ST.
 TORONTO, M5K 1A2 CANADA

PER *Norah J. Auwa*
 NOT NEGOTIABLE
 PER *R. [Signature]*

THE BACK OF THIS DOCUMENT CONTAINS AN ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW

OROFINO RESOURCES LIMITED - REMITTANCE ADVICE

PLEASE DETACH BEFORE DEPOSITING

	DEBIT		CREDIT	
	AC	\$	AC	\$
	430-023	1,462.00		
122 Analyses of Gold & Silver			1032.00	1032.00
			1032.00	1032.00
			75.00	
			15.00	
			430.00	430.00

FILE COPY

91482.00

THE FACE OF THIS DOCUMENT HAS A COLORED BACKGROUND - NOT A WHITE BACKGROUND

BONDAR OROFINO RESOURCES COMPANY LIMITED **0000120**

August 30th 1983

764 BELFAST ROAD, OTTAWA, ONTARIO, TORONTO, CANADA ONE: 237-3110 TELEX: 053-4455

PAY **TREASURY I 89000** \$ 189.00

TO THE ORDER OF **Bondar-Clegg & Company Ltd.,**
764 Belfast Road
Ottawa, Ontario
L K1G 0Z5
 THE TORONTO-DOMINION BANK
 55 KING ST. W. & BAY ST.
 TORONTO, M5K 1A2 CANADA

INVOICE # 114
OROFINO RESOURCES LIMITED
 DATE: August 15, 1983
 PER *Norah J. Auwa*
 NOT NEGOTIABLE
 PER *R. [Signature]*

THE BACK OF THIS DOCUMENT CONTAINS AN ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW

OROFINO RESOURCES LIMITED - REMITTANCE ADVICE

PLEASE DETACH BEFORE DEPOSITING

	DEBIT		CREDIT	
	AC	\$	AC	\$
	430-230	189.00		
Analyses of Gold and Silver			110.50	\$110.50
Sample Preparations			78.50	\$78.50
				42.00
				\$189.00

FILE COPY

OROFINO-RESOURCES LIMITED 0000149

OTTAWA, ONTARIO TORONTO, CANADA PHONE: 237-3110 TE September 26 1983

PAY TO THE ORDER OF **Bondar-Clegg & Company Ltd.** \$5,598.45
 Invoice: 103747
 THE \$559845

TO THE ORDER OF **Bondar-Clegg & Company Ltd.**
 764 Belfast Road
 Ottawa, Ontario
 LK1G 0Z5
 THE TORONTO-DOMINION BANK
 55 KING ST. W. & BAY ST.
 TORONTO, M5K 1A2 CANADA

OROFINO RESOURCES LIMITED
 Report No: 013-2041
 PER *Norbert A...*
 Project: *P. D...*
 PER *P. D...*
NOT NEGOTIABLE

THE BACK OF THIS DOCUMENT CONTAINS AN ARTIFICIAL WATERMARK - HOLD AT AN ANGLE TO VIEW

OROFINO RESOURCES LIMITED - REMITTANCE ADVICE

PLEASE DETACH BEFORE DEPOSITING

	DEBIT		CREDIT	
	AC		AC	
	430-023	5,598.45		

FILE COPY

TOTAL

SOLICIT
HUMUS

172 Analyses of Gold - Fire Asses	at	6.00	1032.00	
Subtotal			1032.00	1032.00
Sample Preparation				
172 Samples of PULVERIZE -200	at	1.75	301.00	
172 Samples of BEIVE -20	at	0.75	129.00	
Subtotal			430.00	430.00
EXTRA PREPARATION FOR HUMUS				
Invoice Total				\$1462.00

~~430-023~~
RECEIVED
 AUG 15 1983

RECEIVED
 AUG 17 1983
 ACCOUNTS PAYABLE

430-023
J. D. Decker



#22-85

The Minir

Type of Survey(s): **GEOLOGY GEOCHEMISTRY** Township or Area: **EARNGEY**

Claim Holder(s): **OROFINO RESOURCES LIMITED** Prospector's Licence No.: **T931**

Address: **BOX 143, 1 FIRST CANADIAN PL., STE. 3140, TORONTO, ONTARIO M5X 1C7**

Survey Company: **OROFINO RESOURCES LIMITED** Date of Survey (from & to): **Day 06 Mo. 03 Day 04 Mo. 84** Total Miles of line Cut: **37.39 km on unleased claims.**

Name and Address of Author (of Geo-Technical report): **R. Zinn, 202-715 Don Mills Rd., Don Mills, Ont., M3C 1S4**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	40
	Geochemical	40

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECEIVED
FEB 25 1985
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
KRL	648720	16	KRL	648765	10
	648721			648766	8
	648722			648767	
	648723			648768	1
	648724			648769	40
	648725			648773	5
	648726	14		648774	
	648727	4		648775	4
	648728	13			
	648729	15			
	648730	35			
	648731				
	648732				
	648755				
	648756	5			
	648757	27			
	648758				
	648759				
	648760				
	648761				
	648762	33			
	648763	13			
	648764	11			

RED LAKE MINING DIV.
RECEIVED
FEB 18/85
A.M. 7, 8, 9, 10, 11, 12, 1, 2, 3, 4, 5, 6 P.M.

Expenditures (excludes power stripping)

Type of Work Performed: **SOIL & HUMUS ANALYSIS**

Performed on Claim(s): **AS PER THOSE TRAVERSED**

Calculation of Expenditure Days Credits

Total Expenditures: **\$ 8,735.50** ÷ Total Days Credits: **15** = **582***

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

*RESERVING 328 days for future use.

Total number of mining claims covered by this report of work: **31**

Date: **13 02/85** Recorded Holder or Agent (Signature): *R. Zinn*

For Office Use Only

Total Days Cr. Recorded: **3062** Date Recorded: **Feb 18/85** Mining Recorder: *[Signature]*

Date Approved as Recorded: **Feb 18/85** Branch Director: *[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 or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **R. A. ZINN # 202-715 Don Mills Rd Don Mills**

Date Certified: **13 02/85** Certified by (Signature): *R. Zinn*

KRL 648720

(2 COPIES TO M.R. REOL. The Mining Act

Type of Survey(s) GEOLOGY GEOCHEMISTRY		Township or Area EARNGEY	
Claim Holder OROFINO RESOURCES LIMITED		Prospector's Licence No. T931	
Address BOX 143, 1 FIRST CANADIAN PL., STE. 3140, TORONTO, ONTARIO M5X 1C7			
Survey Company OROFINO RESOURCES LIMITED.		Date of Survey (from & to) Day Mo. Yr. Day Mo. Yr. 06 08 83 04 08 84	Total Miles of line Cut 37.39 km
Name and Address of Author (of Geo-Technical report) R. Zinn, 202-715 Don Mills Rd., Don Mills, Ont., M3C 1S4			

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim	Mining Claim			Expend. Days Cr.	Mining Claim		
			Prefix	Number			Prefix	Number	
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic		1/2	KRL	1/2 648720	16	KRL	648765	10
	- Magnetometer		✓		648721		✓	648766	8
	- Radiometric		✓		648722		✓	648767	
	- Other		0	1/2	648723		1/4	1/4 648768	1
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	40	✓	1/2	648724		1/2	1/2 648769	40
	Geochemical	40	✓		648725		1/4	1/4 648773	5
	Geophysical		1/4	1/2	648726	14	1/4	648774	
	- Electromagnetic		✓		648727	4	1/4	1/4 648775	4
Man Days Complete reverse side and enter total(s) here	- Magnetometer		1/4	1/4	648728	13			
	- Radiometric		✓		648729	15			
	- Other		3/4	3/4	648730	35			
	Geological		✓		648731				
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geochemical		✓		648732				
	Electromagnetic		1/4		648755				
	Magnetometer		1/2		1/4 648756	5			
	Radiometric		0		1/2 648757	27			
Expenditures (excludes power stripping) Type of Work Performed SOIL & HUMUS ANALYSIS Performed on Claim(s) AS PER THOSE TRAVERSED			0		648758	NC	2		
			0		648759	NC	2+3		
			0		648760	NC	1+2		
			0		648761	NC	1		
			1/2	1/2	1/2 648762	33			
			✓		648763	13			
			✓		648764	11			

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

31

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

For Office Use Only	
Total Days Cr. Recorded	Date Recorded
	Mining Recorder
	Date Approved as Recorded
	Branch Director

Date 13 02 / 85	Recorded Holder or Agent (Signature) R Zinn
---------------------------	---

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 R. A. ZINN # 202-715 DON MILLS RD DON MILLS	
Date Certified 13/02/85	Certified by (Signature) R Zinn



Ministry of Natural Resources

File _____

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) GEOLOGY GEOCHEM

Township or Area EARNGEY TWP.

Claim Holder(s) OROFINO RESOURCES LIMITED

Survey Company OROFINO RESOURCES LIMITED

Author of Report Ronald Allan Zinn, B.Sc.

Address of Author 202-715 Don Mills Rd., Don Mills, Ontario

Covering Dates of Survey June to August 1983 M3C 1S4
(linecutting to office)

Total Miles of Line Cut 37.39 km

MINING CLAIMS TRAVERSED
List numerically

SEE ATTACHED LIST
(prefix) (number)

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

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

ENTER 20 days for each
additional survey using
same grid.

Geophysical

-Electromagnetic _____

-Magnetometer _____

-Radiometric _____

-Other _____

Geological 40

Geochemical 40

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

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

DATE: _____ SIGNATURE: _____

Author of Report or Agent

Res. Geol. _____ Qualifications 24971

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 31

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

GEOLOGY + GEOCHEMISTRY

Number of Stations 1496 Number of Readings _____
Station interval 25 m Line spacing 100 m
Profile scale _____
Contour interval _____

MAGNETIC

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

ELECTROMAGNETIC

Instrument _____
Coil configuration _____
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency _____
(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 _____

EARNGEY TOWNSHIP

Claim Number

KRL 648720
648721
648722
648723
648724
648725
648726
648727
648728
648729
648730
648731
648732
648755
648756
648757
648758
648759
648760
648761
648762
648763
648764
648765
648766
648767
648768
648769
648773
648774
648775

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken KRL648720-32 inclusive, KRL648755, KRL648757,
KRL648762-69 inclusive, KRL648773-75 inclusive. (27 claims total)

Total Number of Samples Soil 604 Humus 477 on unpatented

Type of Samples Soil and Humus
(Nature of Material)

Average Sample Weight + 10 gm

Method of Collection Hand & Grub hoe

Soil Horizon Sampled Ao + B

Horizon Development poor to good

Sample Depth 0 - 10 cm

Terrain rolling hills, swamp, muskeg, burn

Drainage Development moderate

Estimated Range of Overburden Thickness 0 - 25 m

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

Soils - 200 Humus - 10

see included lab reports

General Samples were taken by 2 people working
as a team; each person collecting one sample
type to ensure uniformity. Due to terrain
and recent forest fires it was not possible
to collect samples of each type at each
station.

ANALYTICAL METHODS

Values expressed in: per cent
 p. p. m.
 p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others Au

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (1081 tests)

Name of Laboratory Bondar Clegg

Extraction Method AQUA REGIA

Analytical Method Fire Assay AA

Reagents Used _____

General All data is included but credits
are only applied for unleased claims portion.

_____ cost per sample

Soil 6.00 + 1.75 prep = 7.75

Humus 6.00 + .75 dry + 1.75 prep = 8.50

604 X 7.75 = 4,681.00

477 X 8.50 = 4,054.50

8,735.50

<u>Claim Number</u>	<u>Geology</u>	<u>Geochemistry</u>	<u>Total</u>
KRL 648720	20	24	44
648721	40	40	80
648722	40	32	72
648723	0	0	0
648724	40	26	66
648725	40	20	60
648726	30	16	46
648727	40	16	56
648728	30	17	47
648729	40	5	45
648730	10	15	25
648731	40	36	76
648732	40	36	76
648755	40	36	76
648756	35	20	55
648757	20	13	33
648758	0	0	0
648759	0	0	0
648760	0	0	0
648761	0	0	0
648762	20	7	27
648763	40	7	47
648764	40	9	49
648765	40	10	50
648766	40	12	52
648767	40	21	61
648768	35	24	59
648769	20	0	20
648773	30	25	55
648774	40	40	80
648775	30	26	56

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

1985 05 23

SUBJECT: Assessment Approvals
Files: 2.7823 & 7821
Orofino Resources

In reply to your memo of 85 05 15, I would like to explain the procedure regarding the assessment of geotechnical surveys. The booklet "Requirements for submitting Geophysical, Geological, Geochemical Survey Reports", clearly states, under the heading of Special Provision credits, that credits for partial coverage or for surveys not meeting requirements for full credit will be granted on a pro-rata basis. This method of averaging is the normal practice.

Only in situations where a small percentage of the total claims involved in a survey, do we remove those claims partially covered, granting them proportionate credits and allow full credits for those claims fully covered by the survey. As a guide, if greater than 20% of the claims covered by the survey lack full coverage, assessment credits are granted on a pro-rata basis.

With regard to the Orofino surveys, in all cases, greater than 20% lack full coverage and therefore, the credits were allowed on a pro-rata basis. For example on file 2.7821, 8 of the 9 claims lack full coverage.

Therefore, I see no reason to re-assess the files and the allowable credits will remain the same.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

R. Pichette:mc



Ministry of
Natural
Resources

May 15, 1985

MEMO TO:

Ray Pichette
Supervisor
Project Section

Re: Assessment Approvals - Geological Survey 2.7823, 2.7821, Orofino Resources

I have recently received a request to redistribute work credits from Orofino Resources. During a discussion with them, I discovered that the re-distribution was required because of the manner in which geological credits were approved.

When Orofino submitted their geological Report of Work, they realized that they would not receive full credit for claims partially covered by water and therefore assigned extra credits to these claims to make up for the anticipated loss of geological credits. They expected that the credits would be approved for each individual claim. It appears that in this instance, an averaging principle was used and partial credit was allowed on all claims. As a result, Orofino now finds it is deficient on many claims which they expected full credit.

Is it normal procedure to use the averaging principle in geological surveys? If not, would you consider re-approval of credits? Or, if Orofino has not done sufficient work to receive full credit, again, would you advise me.

Thank you,

Scott Rivett
Mining Recorder
Red Lake Mining Division
Ministry of Natural Resources
P.O. Box 5003
RED LAKE, Ontario
POV 2M0

Telephone: (807) 727-2253
Ext. #222

/kkd

RECEIVED

MAY 22 1985

MINING LANDS SECTION

1985 04 12

Your File: 22-85
Our File: 2.7823

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

Dear Sir:

RE: Notice of Intent dated March 22, 1985
Geochemical and Geological Survey and
Data for Assaying on Mining Claims
KRL 648720, et al, in Earngey 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

D. Kinvig:mc
cc: Orofino Resources Limited
Box 143
1 First Canadian Place
Suite 3140
Toronto, Ontario
M5X 1C7

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario
cc: Resident Geologist
Red Lake, Ontario

Encl.



Ontario

Ministry of
Natural
Resources

Technical Assessment Work Credits

File
22-85

Date 1985 03 22
Mining Recorder's Report of
Work No. 2.7823

Recorded Holder
OROFINO RESOURCES LIMITED

Township or Area
EARNGEY TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ days Geochemical _____ 15 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.	KRL 648720 to 22 inclusive 648724 to 32 inclusive 648755 to 57 inclusive 648762 to 68 inclusive 648773 to 75 inclusive

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

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

KRL 648723
648758 to 61 inclusive
648769

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19)—60:

Recorded Holder
OROFINO RESOURCES LIMITED

Township or Area
EARNGEY TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days	\$8735.50 SPENT ON ASSAYING SAMPLES TAKEN FROM MINING CLAIMS: KRL 648720 to 22 inclusive 648724 to 32 inclusive 648755 to 57 inclusive 648762 to 68 inclusive 648773 to 75 inclusive
Section 77 (19) See "Mining Claims Assessed" column	582 DAYS CREDIT ALLOWED WHICH MAY BE
Geological _____ days	GROUPED IN ACCORDANCE WITH SECTION 76(6
Geochemical _____ days	OF THE MINING ACT.
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input type="checkbox"/>	
<input 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

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19)—60:

Recorded Holder	OROFINO RESOURCES LIMITED
Township or Area	EARNGEY TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological _____ 35 _____ 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.	KRL 648720 to 22 inclusive 648724 to 32 inclusive 648755 to 57 inclusive 648762 to 69 inclusive 648773 to 75 inclusive

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

No credits have been allowed for the following mining claims

<input checked="" type="checkbox"/> not sufficiently covered by the survey	<input type="checkbox"/> Insufficient technical data filed
--	--

KRL 648723
648758 to 61 inclusive

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77(19)—60;



April 8/85

1985 03 22

Your File: 22-85
Our File: 2.7823

Mining Recorder
Ministry of Natural Resources
P.O. 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. Yundt
Director
Land Management Branch

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

R.O.K. D. Kinvig:mc

Encls.

cc: Orofino Resources Limited
Box 143
1 First Canadian Place
Suite 3140
Toronto, Ontario
M5X 1C7
cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario



Ministry of
Natural
Resources

Notice of Intent
for Technical Reports

1985 03 22
2.7823/22-85

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.

March 1, 1985

File: 2.7823

Orofino Resources Limited
Box 143
1 First Canadian Place
Suite 3140
Toronto, Ontario
M5X 1C7

Dear Sirs:

RE: Geological & Geochemical Survey and
Data for Assaying submitted on Mining
Claims KRL 648720, et. al., in Earngey
Township

This will acknowledge receipt of the above-described survey on February 18, 1985.

This file has been reviewed and it has been determined that the geochemical portion of the above-described survey does not qualify for assessment under the Special Provisions Method as there has not been a minimum of forty samples taken per claim. However, this survey can be assessed on a "Mandays" basis. Please complete the enclosed "Assessment Work Breakdown" in duplicate.

Also, there is some difficulty in correlating the cancelled cheques to the Certificates of Analyses. Please provide an explanation of which cheques cover which certificates.

When submitting this information, please quote file 2.7823.

For further information, please contact Susan Hurst at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

S. Hurst:mc
Encl.

cc: Mining Recorder
Red Lake, Ontario
File:#22-85

cc: R. Zinn
Don Mills, Ontario
M3C 1S4

OROFINO RESOURCES LIMITED

P.O. BOX 143, 1 FIRST CANADIAN PLACE, TORONTO, CANADA M5X1C7 TELEPHONE: (416) 362-6683 TELEX: 06-217766

February 12, 1985

Mr. S. E. Yunt
Land Management Branch
Whitney Block, Rm 6643
Queen's Park
Toronto, Ontario M7A 1W3

Dear Sir:

Please find enclosed two copies of our Report on Exploration Activities (Geology and Geochemistry) with accompanying maps (3) and geochem results.

Geochemical and expenditure credits have only been applied for on work programs on unleased claims. Analysis plus preparation

soils <u>\$7.75</u>	humus <u>\$8.50</u>	
X 604	+ X 477	
4,681.00	+ 4,054.00	= \$8,735.5

40 days special provisions has been applied for geochemical surveys. Humus samples were taken by one person and soils by another to maintain consistency.

Due to the large number of small lakes on the property I anticipate being cut back on the special provisions credits in proportion to coverage. I have therefore included estimates based on proportion of water for geology + line cutting and 80 samples/claim (40 soil 40 humus) for geochemistry.

Yours truly

OROFINO RESOURCES LIMITED

R Zinn

R. A. Zinn, B. Sc.
Project Geologist

*use cheques
for
Project 23
430-24*

RAZ:sd

encl.

RECEIVED	
Land Management Branch	
INITIALS	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
FEB 18 1985	
S. E. YUNT	<input type="checkbox"/>
J. R. MORGAN	<input type="checkbox"/>
J. C. SMITH	<input type="checkbox"/>
W. L. GOOD	<input type="checkbox"/>
J. H. HOGAN	<input type="checkbox"/>
J. H. BROOK	<input type="checkbox"/>
R. 6643	

Mining Lands Section

File No 27823

Control Sheet

TYPE OF SURVEY GEOPHYSICAL
 GEOLOGICAL
 GEOCHEMICAL
 EXPENDITURE

MINING LANDS COMMENTS:

An mag map used for reference

< UCHI LAKE >

L.D.
Return to A.F.R.O.

Dennis K.
Signature of Assessor

Apr. 9/65
Date

92°45' 51°07'30" 92°30' 51°07'30"

DENT TWP
FOR STATUS REFER TO TWP PLAN.

AGNEW TWP
FOR STATUS REFER TO TWP PLAN.

COSTELLO TWP
FOR STATUS REFER TO TWP PLAN.

MITCHELL TWP
FOR STATUS REFER TO TWP PLAN.

BIRKETT TWP
FOR STATUS REFER TO TWP PLAN.

BOWERMAN TWP
FOR STATUS REFER TO TWP PLAN.

SLATE LAKE G-1884

LITTLE BEAR LAKE KNOTT TWP. G-1809

JUBILEE LAKE G-1798

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY
S.R.O. - SURFACE RIGHTS ONLY
M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
ONT. HYDRO LINE				FILE 11940-100' WIDE

NATURAL RESOURCES
JUL 12 1985
TITLES SECTION

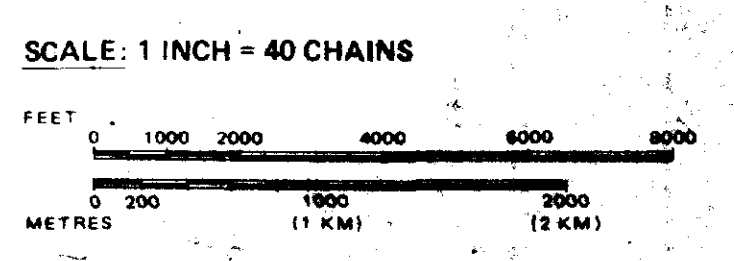
LEGEND

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES:	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES:	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON-PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

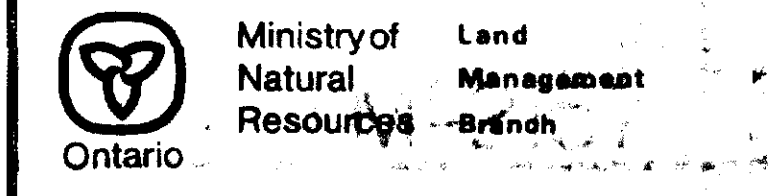
DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 360, SEC. 63, SUBSEC. 1.

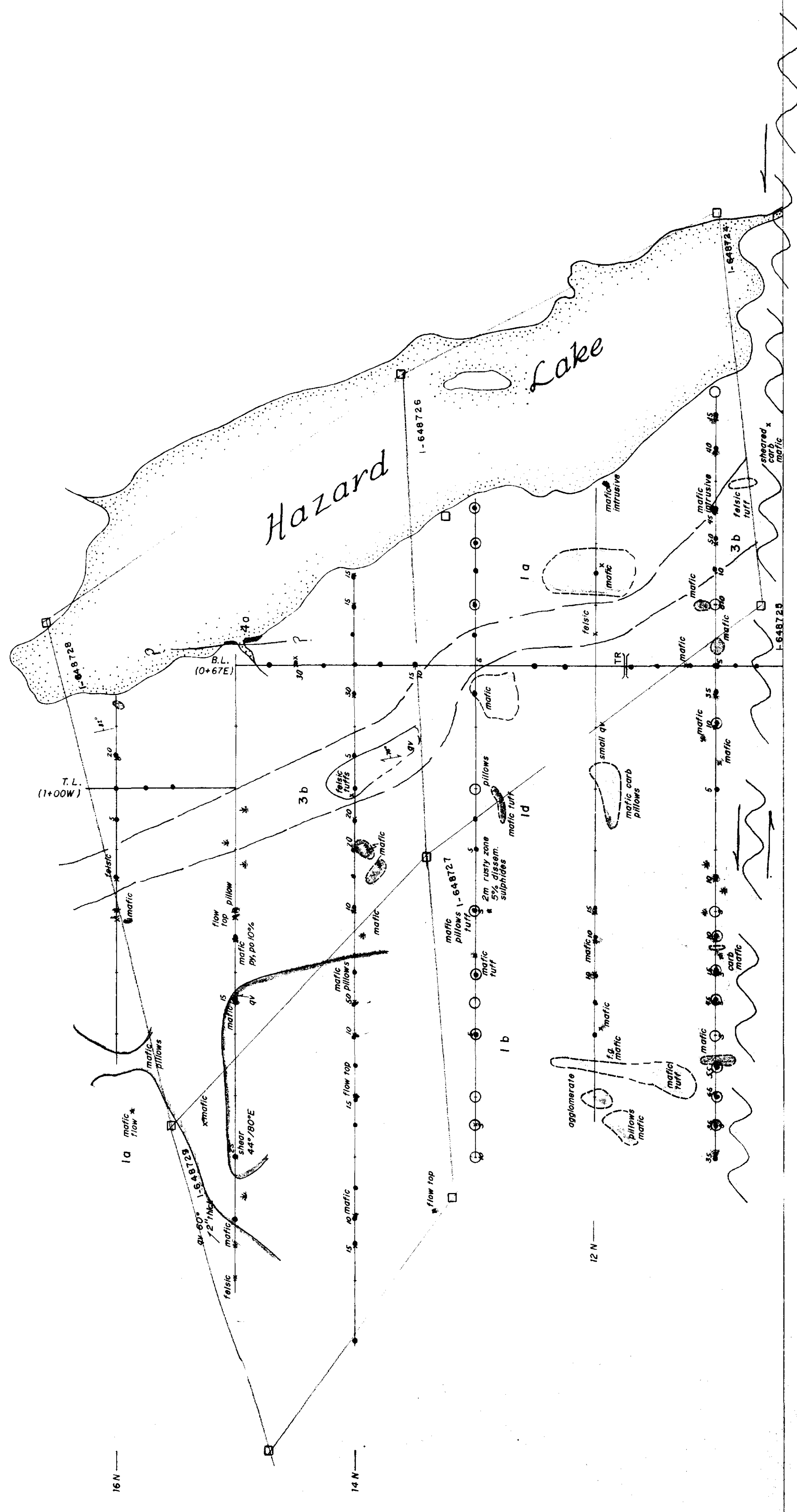


AREA
UCHI LAKE & EARNGEY TWP.
M.N.R. ADMINISTRATIVE DISTRICT
RED LAKE
MINING DIVISION
RED LAKE
LAND TITLES / REGISTRY DIVISION
KENORA / PATRICIA

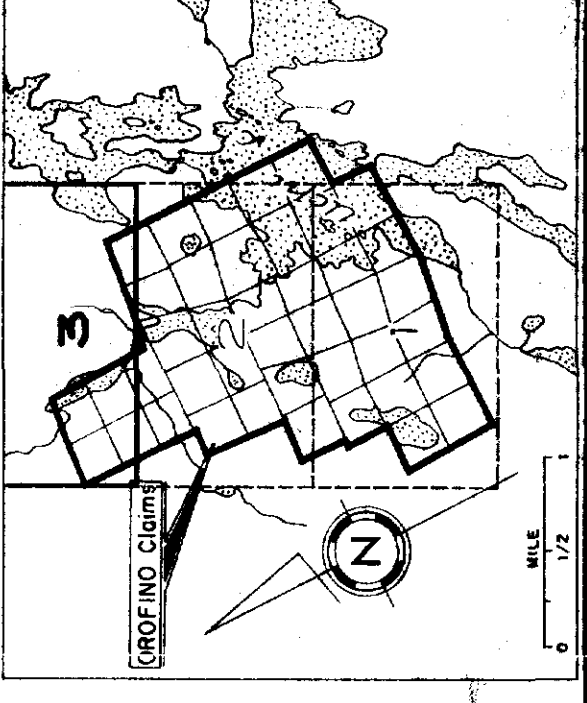
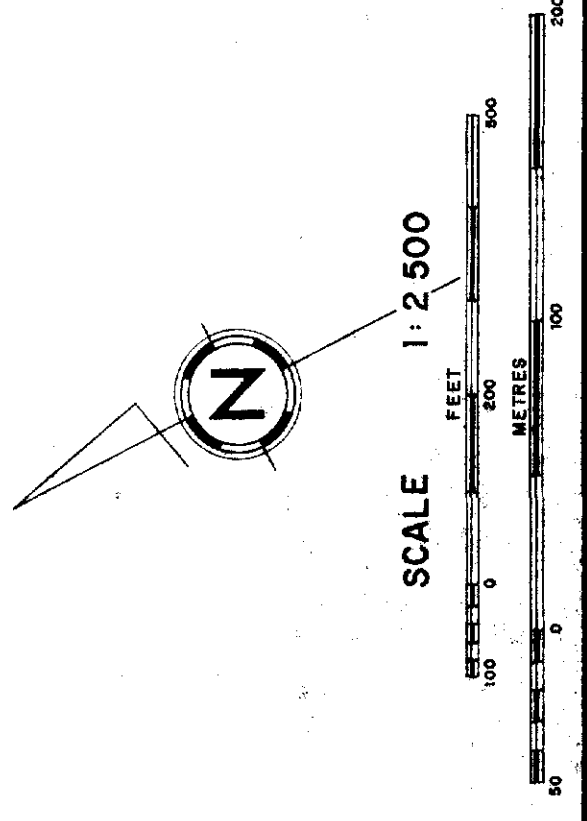


Date FEB. 1983 Number **G-1901**

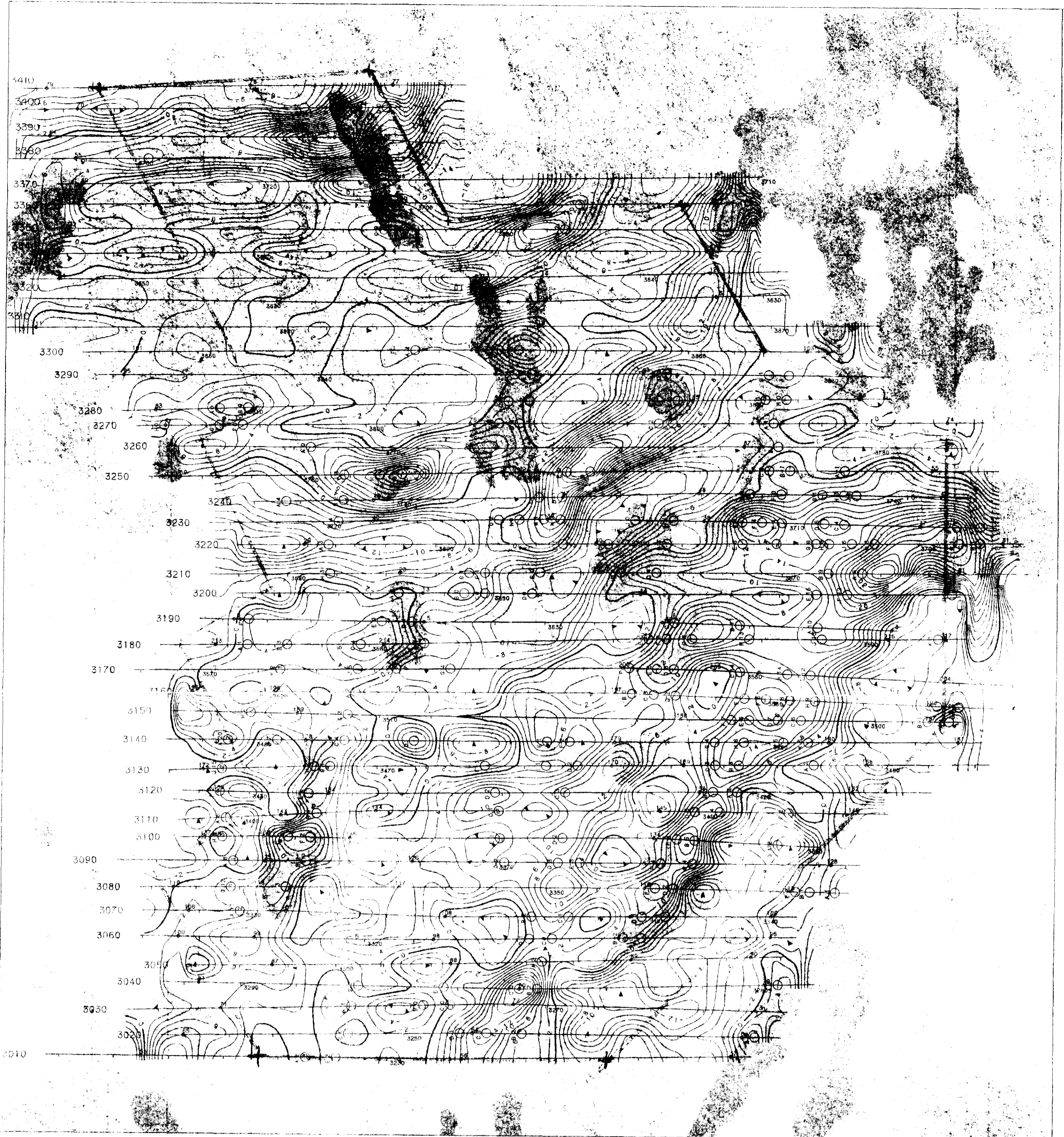




SEE MAP 1 FOR LEGEND



27823



AERODAT LIMITED

VOLUME

NLK(Wsch)2-184 FL NAA(Mille)178KH

FAIRLEY TOWNSHIP

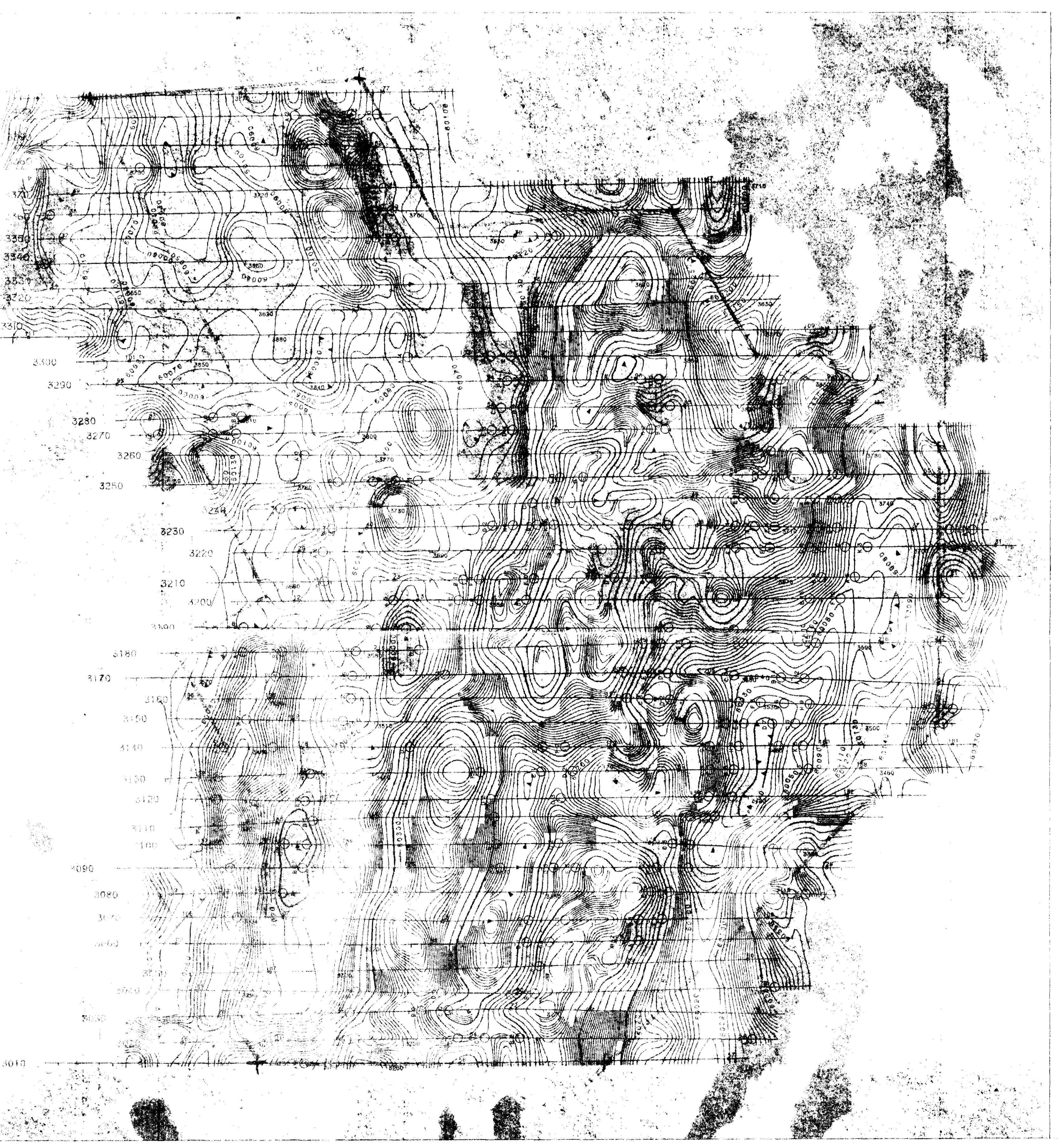
CHICAGO

SCALE: 1:50,000

DATE: 1980

AERODAT LIMITED

MAP No. 5



AERODAT LIMITED

TOTAL FIELD MAGNETIC MAP

SCALE: 1:50,000

DATE: 1980

AERODAT LIMITED

MAP No. 5