010

CUMBERLAND RESOURCES LTD.
RECONNAISSANCE GEOLOGICAL SURVEY

SLATE LAKE PROPERTY

NTS: 52K/15
NORTHWESTERN ONTARIO

2.16109

THUNDER BAY, ONTARIO
JULY 11, 1994

SUBMITTED BY:

M. P. LEWIS GEOLOGICAL SERVICES

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S U M M A R Y

The Slate Lake property is located 60 km northeast of the community of Ear Falls and 90 km east of the mining town of Red Lake in Northwestern Ontario. The property is comprised of nine(9) contiguous unpatented mining claims totalling 44 units covering 4.5 km of prospective base and precious metal stratigraphy. The property, which is owned 100% by Cumberland Resources Ltd. of Thunder Bay ,Ontario, covers the eastern and western strike extension of a Cu-Zn rich massive sulphide horizon as well as untested HLEM anomalies. The massive sulphide horizon, which was intersected by 4 closely spaced drill holes in 1979-80 (published intersection of 1.54 % Cu, 5.84% Zn and 0.36 opt Ag/ 0.50 m - Resident Geologist Office, Red Lake), is defined by a 900 meter long HLEM anomaly. This anomaly is covered by six(6) leased mining claims that are currently held by Breakwater Resources Ltd. of Toronto.

A reconnaissance geological mapping and litho sampling program was carried out over Cumberland's Slate Lake property during the period June 16-22, 1994. The purpose of the survey was to confirm the presence of favourable VMS hosting stratigraphy and to define possible hydrothermal alteration associated with an area of known base metal mineralization and areas of untested HLEM anomalies.

A known base metal rich horizon, favourable felsic stratigraphy, and fairly widespread sulphidization warrants a DEEPEM survey over a portion of the Slate Lake property.

1.0 INTRODUCTION

During the period June 16-22, 1994 a reconnaissance geological survey was carried out over most of the southern half of Cumberland's Slate Lake property. This survey, which was carried out from a camp-site on Papaonga River **(PHOTO 1)**, utilized old grid lines which were established by St. Joe Exploration in 1979. To the north of baseline 0+00 the fairly open jackpine-covered muskeg allows for grid lines to be followed easily. In the south toward Slate Lake a softwood (poplar) ridge **(PHOTO 2)** with impressive broad-leaf undergrowth have all but eliminated the 15 year old grid lines.

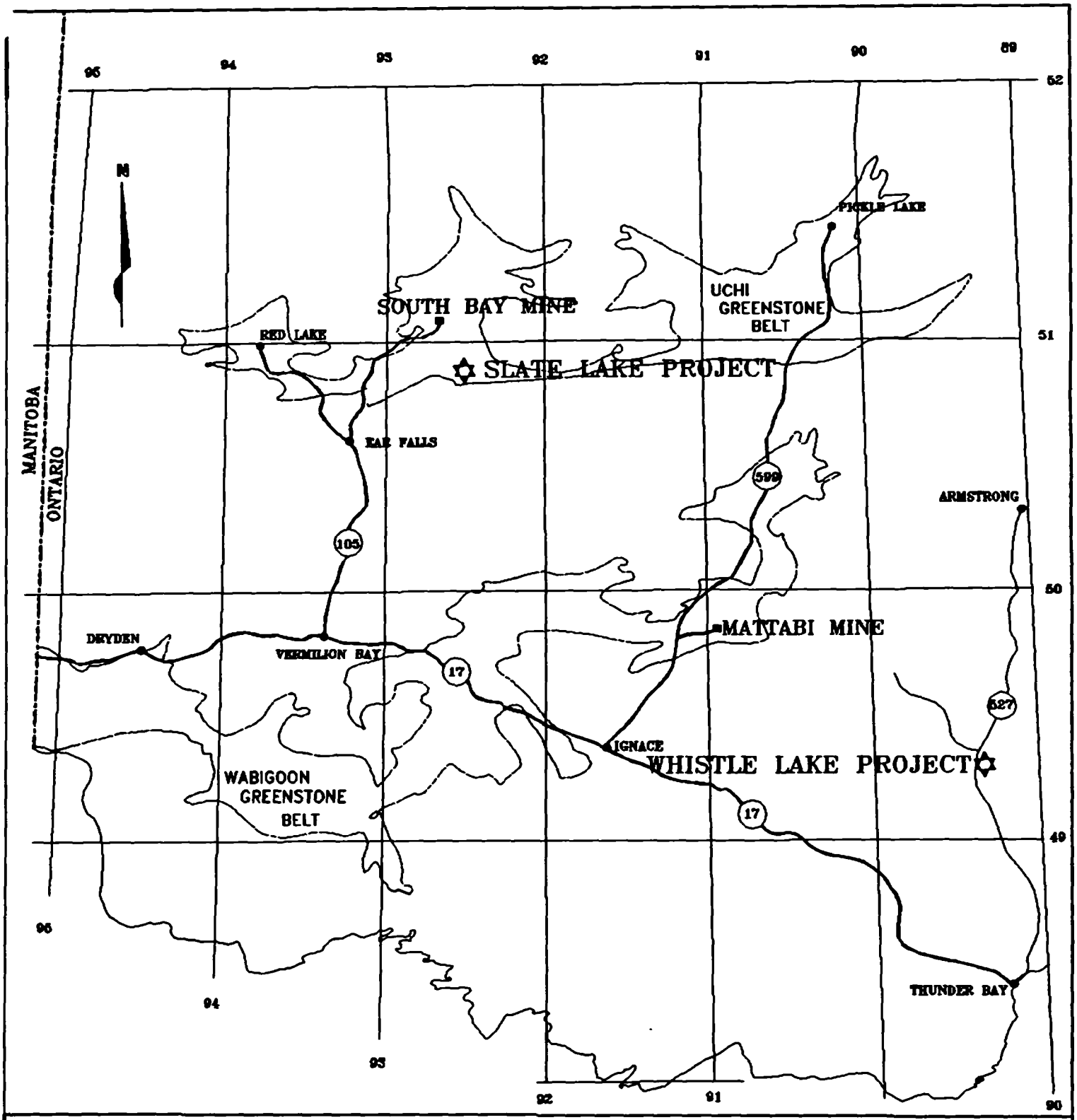
The purpose of the survey was to assess the base metal potential of the Slate Lake property by confirming the presence of favourable VMS hosting stratigraphy and to outline possible hydrothermal alteration probably associated with a known area of mineralization and untested HLEM conductors. During the course of the survey a total of 32 selected rock samples were collected for whole-rock analysis.

2.0 LOCATION, SIZE AND ACCESS

The Slate Lake property is located 60 km northeast of the town of Ear Falls and 90 km east of the mining community of Red Lake in Northwestern Ontario (Figure 1).

The property is comprised of nine(9) contiguous unpatented mining claims, totalling 44 units, covering 4.5 km of prospective VMS and precious metal hosting stratigraphy.

Access to the property area is provided by an all-weather logging road to within 0.5 km to Slate Lake and then by motorized boat or snowmobile to the southern portion of the property.



CUMBERLAND RESOURCES LTD.

PROPERTY LOCATION

SLATE LAKE PROJECT

KMS

50 0 25 50 75 100

FIGURE 1

PHOTO 1: CAMPSITE NEAR PAPAONGA RIVER

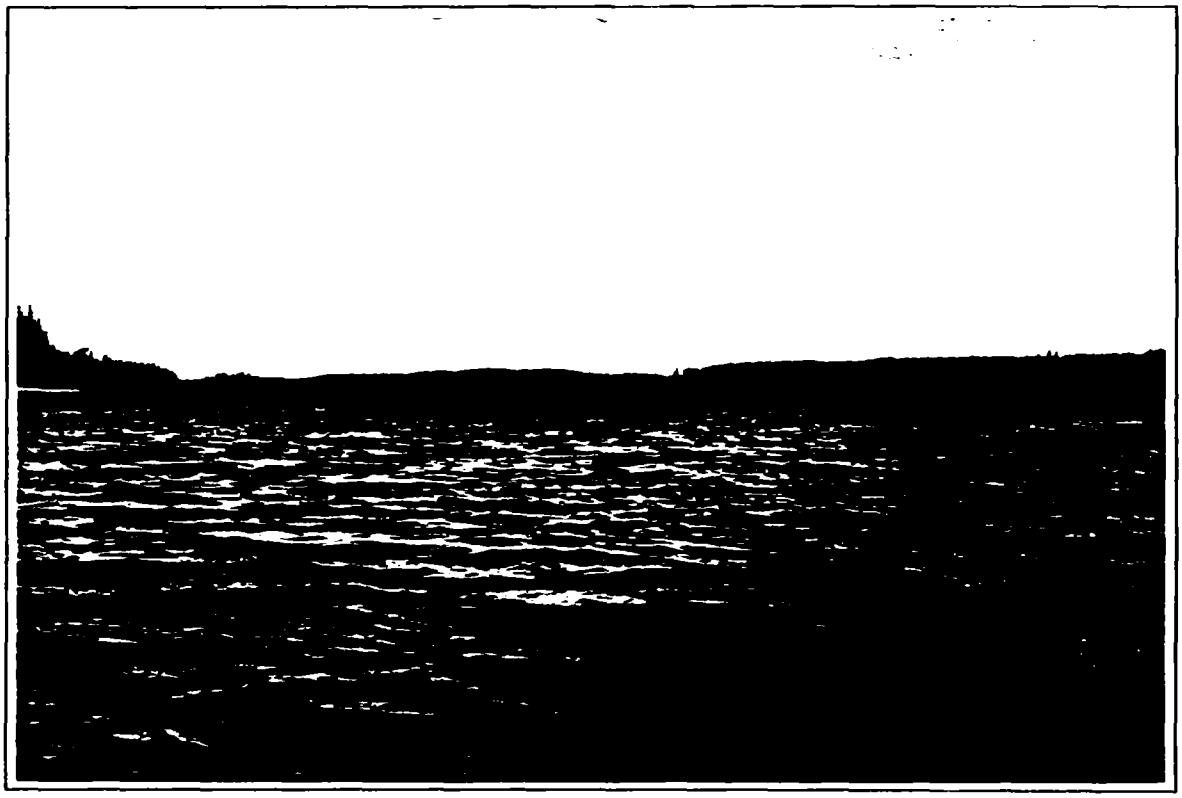


PHOTO 2: TYPICAL TOPOGRAPHY ALONG THE NORTH SHORE OF SLATE LAKE. CUMBERLAND'S SLATE LAKE PROPERTY IN THE BACKGROUND.

3.0 PROPERTY SUMMARY AND CLAIM DISPOSITION

The Slate Lake property is 100% wholly owned by Cumberland Resources Ltd. of Thunder Bay, Ontario. The claims are located in the Slate Lake Area, Map Sheet G-1884 and consists of 9 contiguous mining claims (Figure 2).

TABLE I: SCHEDULE OF CLAIMS

CLAIM BLOCK	NO. OF UNITS	RECORDING DATE
1144369	4	March 16, 1994
1144370	2	March 16, 1994
1144371	1	March 16, 1994
1144372	6	March 16, 1994
1202247	16	March 18, 1994
1202248	6	March 18, 1994
1202249	2	March 18, 1994
1202250	4	March 18,1994
1209261	3	June 22,1994
TOTAL	44	

The claims were initially acquired to cover the eastern and western strike extension of a known massive sulphide horizon currently held by Breakwater Resources. Also obtained during the course of the staking was a number of untested HLEM anomalies which are located some 2.5 km to the east of the main area of interest.

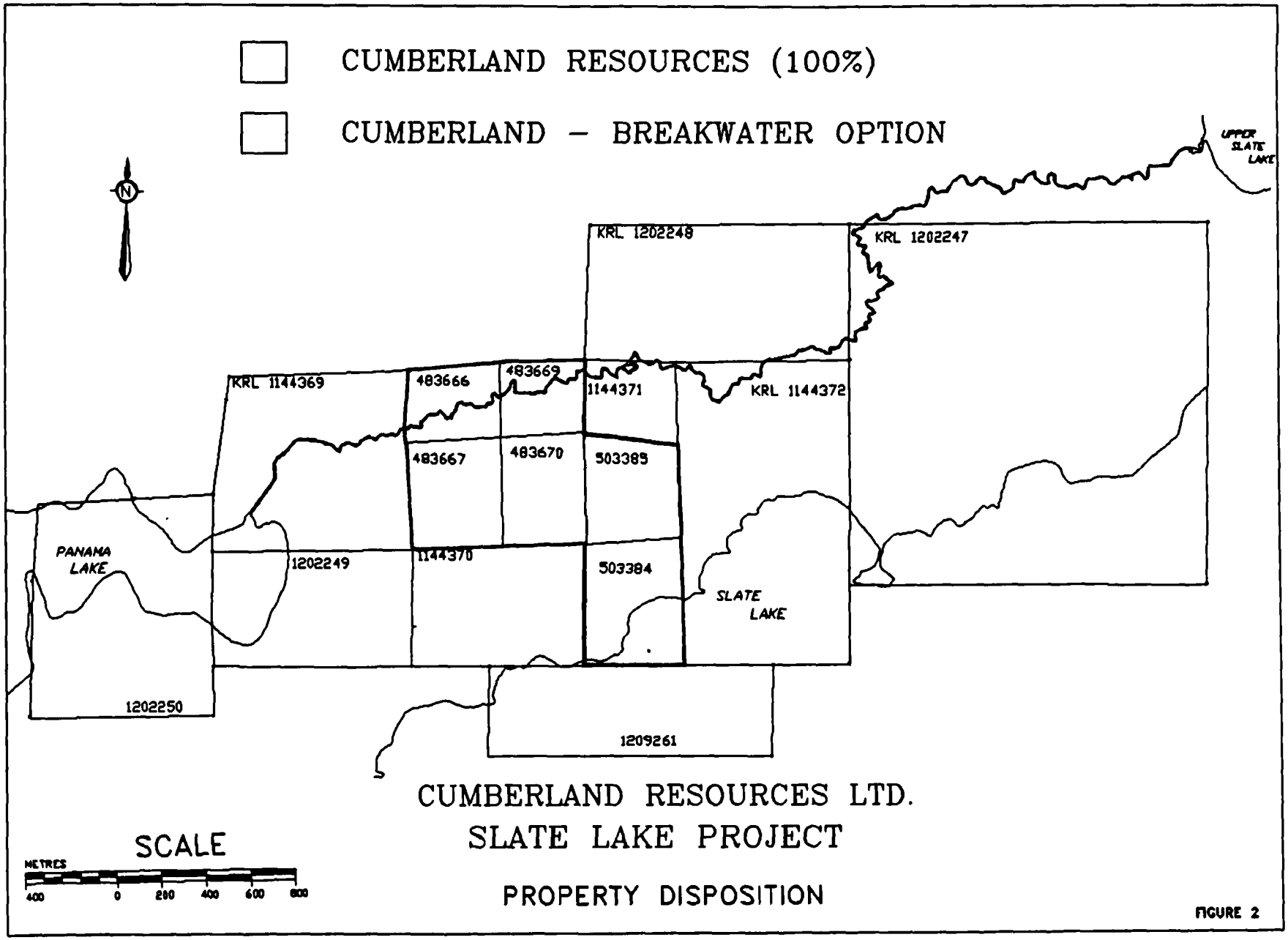

CUMBERLAND RESOURCES (100%)
CUMBERLAND – BREAKWATER OPTION
N
UPPER SLATE LAKE
KRL 1202248
KRL 1202247
KRL 1144369
483666
483669
1144371
KRL 1144372
483667
483670
503385
PANAMA LAKE
1202249
1144370
503384
SLATE LAKE
1202250
1209261
CUMBERLAND RESOURCES LTD.
SLATE LAKE PROJECT
PROPERTY DISPOSITION
SCALE
METRES
400 0 200 400 600 800

FIGURE 2

3.0 RESULTS OF PREVIOUS WORK:

In 1979 St. Joseph Exploration Ltd., the predecessor to Breakwater Resources, carried out a regional airborne survey over the Slate Lake area. Subsequent ground follow-up, which included geological mapping, magnetometer and HLEM survey and diamond drilling, resulted in the discovery of a high-grade massive sulphide horizon immediately east of Panama Lake and north of Slate Lake.

In 1979 two holes were drilled 100 m apart to test a 900 m long HLEM anomaly. The first of two holes drilled in 1979 (3-79) encountered a banded massive sulphide horizon at a vertical depth of 50 m which assayed 1.84% Cu and 5.84% Zn over 0.50 m (Assessment records-Red Lake). Two holes were also drilled in 1980, one of which has been filed for asessment credits. Hole 2-80, which is located 100 m west of hole 3-79, intersected 0.52 % Cu and 1.75 % Zn over 0.60 m. Although Breakwater Resources continue to hold the six(6) leased mining claims that cover most of the 900 meter long conductor, no further work is believed to have been carried out since 1980.

5.0 REGIONAL GEOLOGY:

The Slate Lake property is situated in the southern part of the Archean Birch Lake - Uchi Lake Greenstone Belt, an east-trending assemblage of metavolcanics and metasedimentary rocks. The metavolcanics-metasedimentary rocks of the immediate Slate Lake area are correlated with Cycle I and Cycle II volcanics of the Confederation Lake assemblage. The geology map produced by the Ontario Geological Survey in 1980 indicates the Slate Lake property is underlain by northeast - southwest tending, south dipping and south facing, 1000 m thick succession of felsic to intermediate pyroclastic rocks which are overlain to the north by mafic volcanics.

The fissile and carbonatized nature of the mafic volcanics adjacent to Slate Lake strongly suggest that a major structure controls the topography and the emplacement of the large bodies of water in the area.

6.0 PROPERTY GEOLOGY AND MINERALIZATION

A variety of major rock types were recognized on the Slate Lake property during the course of the reconnaissance mapping program (Figure 3).

DESCRIPTION OF LITHOLOGIES

6.1 LAKESHORE ANDESITE (LA)

This particular unit is at least 500 meters in thickness and is exposed along the entire strike length of the north shore of Slate Lake. The most common characteristic of all exposures of the LA is its strongly developed schistosity which result in the unit being extremely fissile. The rock is typically fine-grained, dark green, with well-developed chlorite and carbonate alteration.

Chemically the Lakeshore andesite averages 45.90% SiO2, 1.33% TiO2 and 2.43% Na2O.

6.2 RIDGE ANDESITE (RA)

Stratigraphically below the Lakeshore andesite is a second mafic volcanic unit that is being termed the Ridge andesite. This unit, which extends across the entire strike length of the property, is characteristically massive, fine to medium grained and is a lime green in colour. Personal communications with a ex-employee of St. Joe Exploration pinpointed the location of a rock formation that had previously been named the Pea Rhyolite. This outcrop is located on the shoreline of Slate Lake and consists of well -developed spherules in chloritized Ridge Andesite. These spherules are generally clustered, are a light grey in colour and range up to 1 cm in diameter **(PHOTO 3)**.

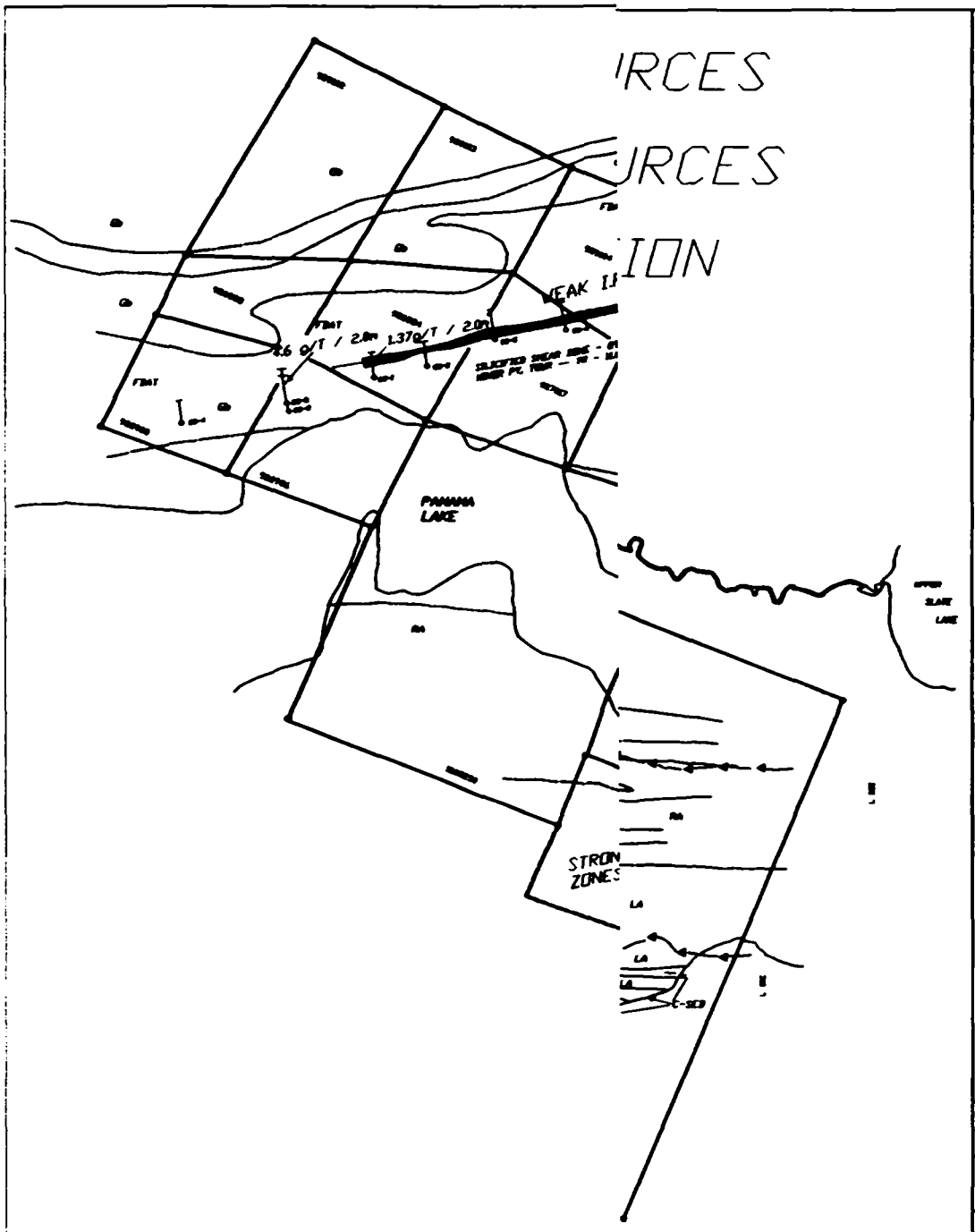
Alteration is minimal with the possible exception of local chloritization and carbonitization.

The Ridge andesite is chemically different from the Lakeshore andesite in that its TiO2 content is consistently less than 1.00% with SiO2 averaging 46.90%.

6.4 MAFIC BEDDED ASH TUFF (MT-LT)

The only exposures of this unit are located in the most eastern claim immediately north of baseline 0+00. These rocks are being correlated with banded tuffs that are described in the ST. Joe 1979-80 drill holes. The MT-LT unit is finely bedded, generally fine grained and medium to dark green in colour. The weathered surface of outcrops display local stretched and elongated light and dark lapilli-sized fragments. These fragments are likely boudinaged portions of more silica rich beds.

The Mt-LT unit averages 47.65% SiO2, 1.93% TiO2 and 2.57% Na2O.



LEGEND

ROCK LITHOLOGIES

- LA — Lakeshore Andesite
- RA — Ridge Andesite
- MF-LT — Mafic Tuff - Lapilli Tuff
- FSAT — Felsic Bedded Ash Tuff
- IF — Iron Formation
- C-SED — Clastic Sedimentaries
- GB — Gabbro Sill

Cu%, Zn% / WIDTH
HOLE NO, DEPTH

Figure: 3

CUMBERLAND RESOURCES LTD.

SLATE LAKE PROPERTY

COMPILATION MAP

SCALE

METRES
200 0 100 200 300 400 500

6.5 FELSIC BEDDED ASH TUFF (FBAT)

Felsic Bedded Ash Tuff occupy the footwall and possibly the host to the base metal-rich massive sulphide horizon discovered by St.Joe Exploration in 1979. These exposures are located south of Panama Creek and are the only rock exposures in the immediate vicinity of the St.Joe Horizon.

The FBAT consists of predominantly fine grained, finely laminated, waterlain ash tuff with local interbeds of fine chert laminae. The laminae range from mm's to cm's in size and are light grey to a very pale green in colour **(PHOTOS 4 & 5)**.

The most easterly exposure contain a coarse fragmental texture comprised of block-size, chert-like fragments in a seemingly sericitic matrix **(PHOTO 6)**. This in-situ type fragmentation is characteristic of the bedded ash tuffs which host Metall's Winston Lake deposit. Rare sulphide burns caused by patchy fine grained pyrite can be observed in most of the FBAT outcrop exposures **(PHOTO 7)**.

Detailed mapping will undoubtedly define a number of internal stratigraphic units within the FBAT. Of the five samples collected for whole-rock analysis SiO2 ranged from 68.10 to 78.90%(av. 72.86%), average TiO2 is 0.27% ranging from 0.18 to 0.36%, with average Na2O in the order of 3.90%

6.6 INTRUSIVE ROCKS: GABBRO

A number of gabbro sills intrude the eastern portion of the Ridge andesite. These discrete sills are massive, medium green and display a spotted texture caused by evenly disseminated sub 2mm porphyroblasts of dark green amphibole. Chemically these gabbro sills average 47.62% SiO2, and 1.08% TiO2.

Known mineralization on the Slate Lake property is confined to the St. Joe Horizon and adjacent patchy sulphide mineralization (fine-grained pyrite) in felsic bedded ash tuffs. Mineralization contained in the St.Joe horizon is described under section **3.0 RESULTS OF PREVIOUS WORK**. A number of HLEM anomalies in the eastern half of the property have yet to be drilled tested but most likely define zones of sulphide mineralization.

7.0 WHOLE-ROCK GEOCHEMISTRY - ALTERATION

During the course of the June, 1994 reconnaissance mapping survey, a total of 32 rock samples were collected for the purpose of whole-rock analysis. These samples were analyzed for various major, minor and trace elements by Chemex Labs of Vancouver, B.C. Analytical results are appended as Appendix 1.

No visual hydrothermal alteration was observed during the course of the mapping program. Whole-rock geochemistry confirmed the lack of such alteration on the Slate Lake property. A standard exercise of determining alteration scores or alteration indices failed to define any anomalous values (Table 2).

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SLATE LAKE PROJECT PN: 602

WHOLE - ROCK ANALYSIS

SAMPLE	EASTING	NORTHING	SIO2	TIO2	AL2O3	FE2O3	MGO	MNO	CAO	K2O	NA2O	LOI	CU	ZN	AU	AG	HOSH	CHL	SER	SPITS
#	X	Y	%	%	%	%	%	%	%	%	%	%	PPM	PPM	PPB	PPM				
12919	420	-130	53.70	1.30	15.12	12.79	2.48	0.25	9.03	0.23	2.31	2.91	53	75	<5	<0.2	19	44	9	7
12920	-300	-320	58.10	1.27	13.73	7.79	3.29	0.14	8.24	0.06	3.38	4.96	73	83	<5	<0.2	22	42	2	4
12921	-295	-230	44.90	0.77	16.20	9.25	4.36	0.19	14.16	0.25	0.92	8.73	82	67	<5	<0.2	23	41	21	18
12922	-100	430	68.10	0.36	17.10	2.90	1.12	0.04	1.08	4.82	2.71	2.50	33	75	<5	<0.2	61	71	64	6
12923	-100	-220	46.30	0.67	16.26	10.91	8.15	0.17	11.24	0.10	1.58	4.04	75	53	<5	<0.2	39	49	6	10
12924	100	-380	63.10	0.72	16.22	6.88	1.93	0.10	3.96	1.20	4.29	1.68	27	892	<5	<0.2	28	52	22	4
12925	300	-465	43.50	1.56	12.65	13.78	4.00	0.30	9.62	0.06	2.40	9.82	62	108	<5	<0.2	25	41	2	5
12926	455	355	75.60	0.25	12.65	1.65	0.45	0.03	1.31	2.07	4.92	1.55	6	35	<5	<0.2	29	51	30	3
12927	445	345	70.00	0.35	14.18	3.16	0.84	0.04	2.32	3.76	3.13	3.07	40	50	<5	<0.2	46	58	55	5
12928	600	330	71.70	0.23	15.62	1.79	0.78	0.02	0.52	4.36	3.27	1.87	6	15	<5	<0.2	58	68	57	5
12929	625	320	78.90	0.18	11.15	1.29	0.45	0.02	0.82	1.43	5.46	1.08	6	29	<5	<0.2	23	48	21	2
12930	700	-220	48.00	0.93	15.38	11.73	4.25	0.23	11.09	0.14	2.30	4.71	108	59	<5	<0.2	25	42	6	7
12931	725	-385	43.60	0.59	14.37	11.73	12.13	0.16	11.10	0.04	0.85	4.14	68	43	<5	<0.2	50	53	4	17
12932	990	-240	46.10	0.88	16.18	12.33	8.79	0.17	9.01	0.08	1.99	4.06	35	56	<5	<0.2	45	53	4	8
12933	1015	-80	53.20	0.66	15.04	6.80	9.70	0.09	6.69	0.17	3.70	4.31	8	55	<5	<0.2	49	54	4	4
12934	1650	0	47.40	1.92	14.99	16.94	3.43	0.43	6.65	0.25	2.82	3.31	4	115	<5	<0.2	28	49	8	5
12935	1400	-210	47.60	0.89	15.47	12.03	6.85	0.18	9.81	0.11	2.06	5.77	103	68	<5	<0.2	37	48	5	8
12936	1400	-345	46.20	0.91	16.18	10.64	8.05	0.19	8.10	0.24	2.31	8.20	54	87	<5	<0.2	44	54	9	7
12937	1600	-280	43.92	0.66	16.73	10.64	10.05	0.13	8.68	0.10	2.52	5.87	88	46	<5	<0.2	48	54	4	7
12938	1600	-160	45.96	0.93	15.36	12.51	6.58	0.17	10.83	0.10	1.92	3.73	112	60	<5	<0.2	34	46	5	8
12939	1900	-265	47.47	0.89	17.22	11.14	5.60	0.15	11.63	0.19	2.40	3.69	72	61	<5	<0.2	29	45	7	7
12940	2000	-155	45.90	1.24	12.97	15.16	9.04	0.21	8.37	0.07	1.98	3.00	50	69	<5	<0.2	47	52	3	7
12941	2000	25	45.73	1.97	15.25	16.88	5.05	0.22	6.25	0.29	2.09	4.32	123	125	<5	<0.2	39	55	12	7
12942	2080	15	51.00	1.84	14.24	14.63	4.05	0.17	7.47	0.23	3.36	1.31	56	75	<5	<0.2	28	46	6	4
12943	2200	-10	47.56	1.01	14.93	13.24	8.04	0.16	7.31	0.09	2.96	2.90	125	60	<5	<0.2	44	53	3	5
12944	2200	75	46.24	1.98	14.49	17.15	5.10	0.22	6.68	0.19	2.28	2.80	66	114	<5	<0.2	37	52	8	6
12945	2205	-210	64.48	0.58	15.61	6.30	2.96	0.08	3.17	0.86	3.83	2.56	21	75	<5	<0.2	35	57	18	4
12946	2400	-330	48.31	1.11	14.82	13.41	6.46	0.19	6.40	0.31	2.47	4.04	92	89	<5	<0.2	43	55	11	6
12947	2400	-110	50.36	1.02	16.72	9.38	5.66	0.19	8.44	0.06	3.08	4.22	110	80	<5	<0.2	33	49	2	5
12948	2300	25	40.81	1.99	15.04	22.80	4.78	0.38	6.78	0.30	1.17	2.72	6	114	<5	<0.2	39	55	20	13
12949	2760	-10	49.31	0.99	14.32	12.93	7.75	0.20	8.99	0.18	3.10	1.87	108	49	<5	<0.2	40	48	5	5
12950	2700	15	46.79	0.60	15.65	10.80	11.00	0.14	8.57	0.09	2.46	3.28	106	44	<5	<0.2	50	55	4	6
12953	-700	-230													5(ASSAY)					

HOSHIMOTO INDEX = MGO+K2O/MGO +K2O+NA2O+CAO * 100

CHLORITE INDEX = MGO+FE2O3/MGO+FE2O3+2(NA2O+CAO) * 100

SERICITE INDEX = K2O/NA2O+K2O

SPITS INDEX = AL2O3/NA2O

PHOTO 3: SPHERULITIC RIDGE ANDESITE. OUTCROP LOCATED AT L7+20-E, 3+80-S. SAMPLE # MSD-12931 SiO_2= 43.60%, TiO_2= 0.59%

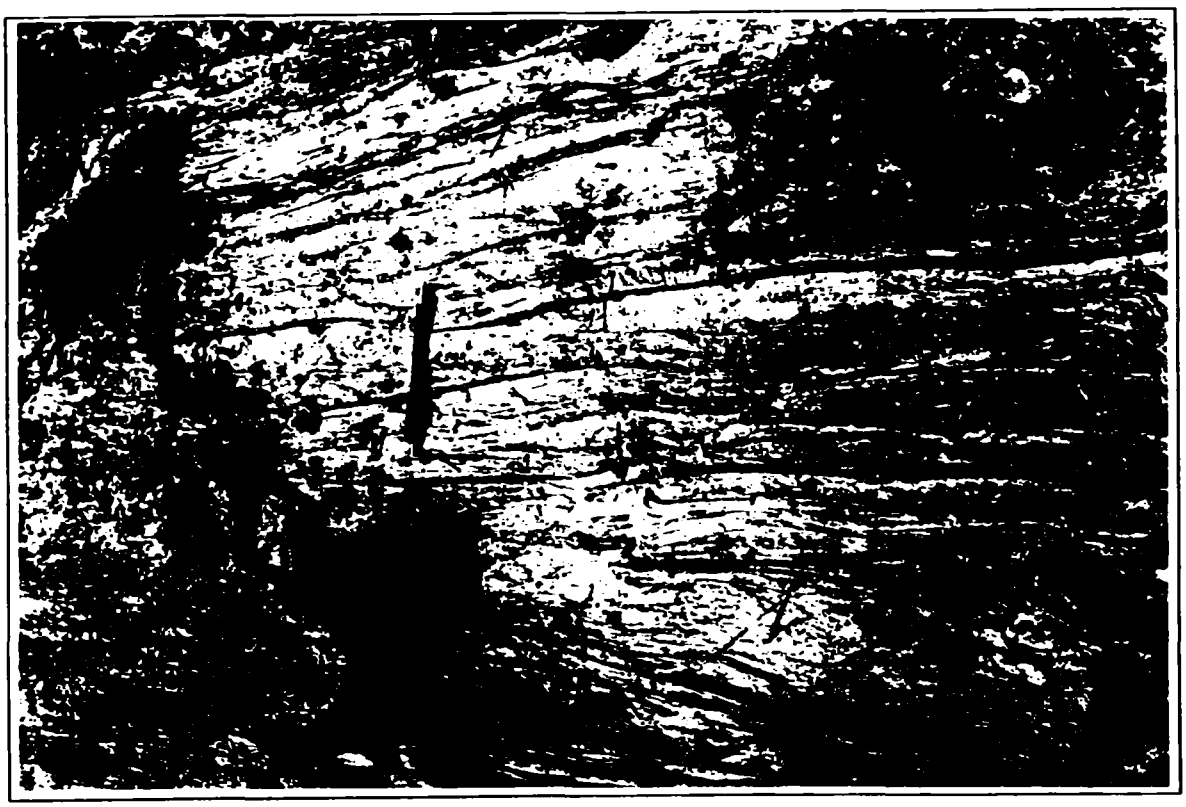


PHOTO 4: FELSIC BEDDED ASH TUFF. FOOT WALL AND POSSIBLE HOST TO THE ST. JOE HORIZON. SAMPLE # MSD-12926. SiO_2=75.60, TiO_2= 0.25%

PHOTO 5: FELSIC ASH TUFF WITH LOCAL BEDS OF FINE CHERT LAMINAE. SAMPLE # MSD-12928 SiO_2= 71.70%, TiO_2= 0.35%

PHOTO 6: CHERTY FRAGMENTS IN A FINE GRAINED SERICITIC MATRIX. SAMPLE # MSD-12929 SiO_2= 78.90%, TiO_2= 0.18%

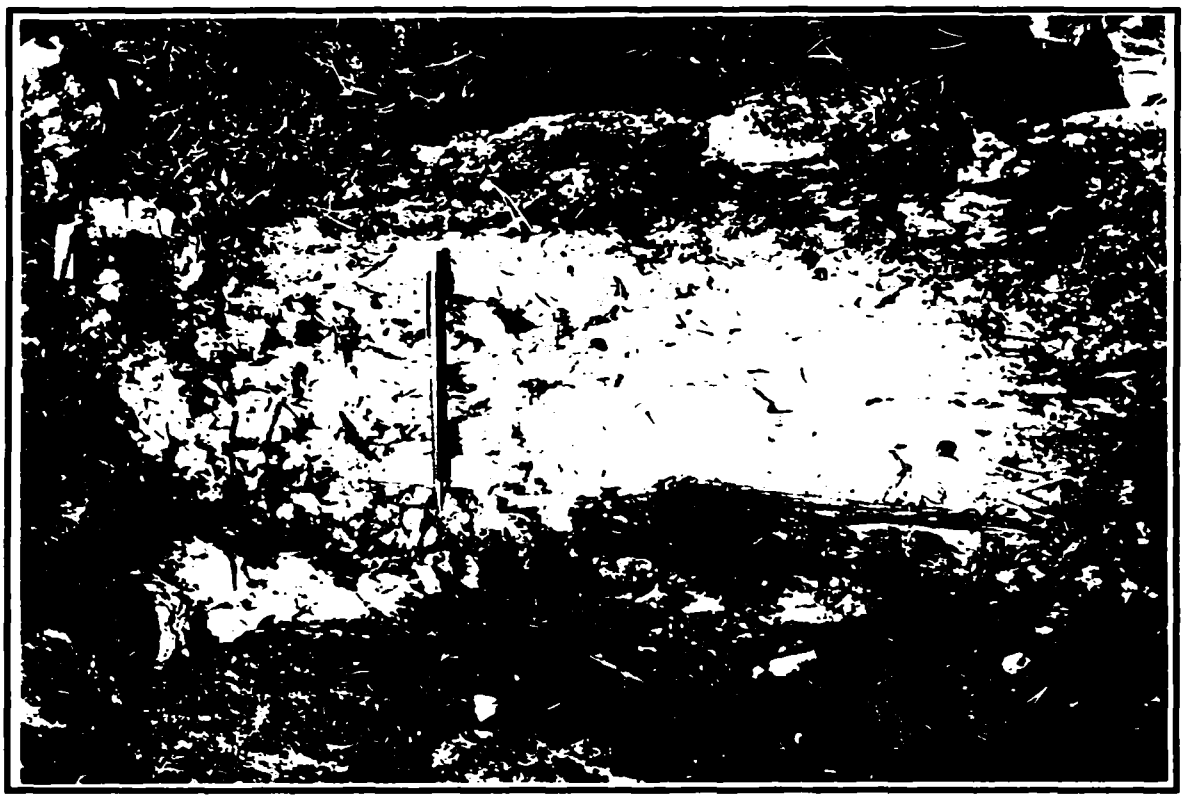


PHOTO 7: FAINT SULPHIDE BURNS IN A FELSIC ASH TUFF. SAMPLE SITE # MSD-12928

8.0 CONCLUSIONS and RECOMMENDATIONS:

Favourable geology in the form of felsic bedded ash tuffs and cherty lapilli tuff, iron metasomatism (sulphide burns) and significant base metal values associated with a 900 meter long massive sulphide horizon combine to make the Slate Lake area a very exciting base metal play.

The presence of above noted VMS forming criteria justify carrying out a DEEPEM geophysical survey over a portion of the Slate Lake property.

Respectively submitted,

Patrick Lewis

Patrick Lewis

APPENDIX 1

ANALYTICAL RESULTS - CHEMEX LABS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

To: LEWIS, M.P. GEOLOGICAL SERVICES

269 CHERCOVER DR.
THUNDER BAY, ON
P7G 1A2

Project :
Comments: ATTN: PAT LEWIS

Page Number : 1
Total Pages : 1
Certificate Date: 05-JUL-94
Invoice No. : I9418673
P.O. Number :
Account : LVP

CERTIFICATE OF ANALYSIS A9418673

SAMPLE	PREP CODE		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
12919	205	226	15.12	9.03	< 0.01	12.79	0.23	2.48	0.25	2.31	< 0.01	53.70	1.30	2.91	100.15	20	< 5	170	< 10	70	20
12920	205	226	13.73	8.24	< 0.01	7.79	0.06	3.29	0.14	3.38	< 0.01	58.10	1.27	4.96	101.00	< 10	< 5	80	< 10	60	20
12921	205	226	16.20	14.16	< 0.01	9.25	0.25	4.36	0.19	0.92	< 0.01	44.90	0.77	8.73	99.75	< 10	5	120	< 10	30	10
12922	205	226	17.10	1.08	< 0.01	2.90	4.82	1.12	0.04	2.71	0.24	68.10	0.36	2.50	101.00	1030	135	500	< 10	140	10
12923	205	226	16.26	11.24	< 0.01	10.91	0.10	8.15	0.17	1.58	0.02	46.30	0.67	4.04	99.45	10	< 5	130	< 10	30	10
12924	205	226	16.22	3.96	< 0.01	6.88	1.20	1.93	0.10	4.29	0.12	63.10	0.72	1.68	100.20	300	35	110	< 10	140	10
12925	205	226	12.65	9.62	< 0.01	13.78	0.06	4.00	0.30	2.40	0.10	43.50	1.56	9.82	97.80	30	< 5	100	< 10	90	30
12926	205	226	12.65	1.31	< 0.01	1.65	2.07	0.45	0.03	4.92	0.11	75.60	0.25	1.55	100.60	560	40	470	< 10	90	< 10
12927	205	226	14.18	2.32	< 0.01	3.16	3.76	0.84	0.04	3.13	0.13	70.00	0.35	3.07	101.00	720	100	430	< 10	120	< 10
12928	205	226	15.62	0.52	< 0.01	1.79	4.36	0.78	0.02	3.27	0.09	71.70	0.23	1.87	100.25	1330	105	360	< 10	150	< 10
12929	205	226	11.15	0.82	0.01	1.29	1.43	0.45	0.02	5.46	0.14	78.90	0.18	1.08	100.95	560	35	360	< 10	120	< 10
12930	205	226	15.38	11.09	0.02	11.73	0.14	4.25	0.23	2.30	0.06	48.00	0.93	4.71	98.84	30	< 5	100	< 10	40	20
12931	205	226	14.37	11.10	0.07	11.77	0.04	12.13	0.16	0.85	< 0.01	43.60	0.59	4.14	98.83	20	< 5	130	< 10	30	10
12932	205	226	16.18	9.01	0.03	12.33	0.08	8.79	0.17	1.99	0.04	46.10	0.88	4.06	99.66	20	< 5	130	< 10	40	10
12933	205	226	15.04	6.69	0.06	6.80	0.17	9.70	0.09	3.70	0.32	53.20	0.66	4.31	100.75	50	< 5	180	< 10	130	10
12934	205	226	14.99	6.65	< 0.01	16.94	0.25	3.43	0.43	2.82	0.14	47.40	1.92	3.31	98.29	190	< 5	80	< 10	100	40
12935	205	226	15.47	9.81	0.03	12.03	0.11	6.85	0.18	2.06	0.07	47.60	0.89	5.77	100.85	20	< 5	130	< 10	40	10
12936	205	226	16.18	8.10	0.03	10.64	0.24	8.05	0.19	2.31	0.06	46.20	0.91	8.20	101.10	50	< 5	90	< 10	50	20

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

To: LEWIS, M.P. GEOLOGICAL SERVICES **

269 CHERCOVER DR.
THUNDER BAY, ON
P7G 1A2

Project :
Comments: ATTN: PAT LEWIS

Page Number :1
Total Pages :1
Certificate Date: 07-JUL-94
Invoice No. :I9419022
P.O. Number :
Account :LVP

CERTIFICATE OF ANALYSIS A9419022

SAMPLE	PREP CODE		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
12937	208	226	16.73	8.68	< 0.01	10.64	0.10	10.05	0.13	2.52	0.01	43.92	0.66	5.87	99.32	30	< 5	140	< 10	20	10
12938	208	226	15.36	10.83	< 0.01	12.51	0.10	6.58	0.17	1.92	0.03	45.96	0.93	3.73	98.13	40	< 5	130	< 10	30	20
12939	208	226	17.22	11.63	< 0.01	11.14	0.19	5.61	0.15	2.40	0.07	47.47	0.89	3.69	100.45	90	< 5	170	< 10	40	20
12940	208	226	12.97	8.37	< 0.01	15.16	0.07	9.04	0.21	1.98	0.09	45.90	1.24	3.00	98.04	20	< 5	110	< 10	50	20
12941	208	226	15.25	6.25	< 0.01	16.88	0.29	5.50	0.22	2.09	0.16	45.73	1.97	4.32	98.67	230	10	280	10	110	50
12942	208	226	14.24	7.47	< 0.01	14.63	0.23	4.05	0.17	3.36	0.15	51.00	1.84	1.31	98.46	60	< 5	130	< 10	100	40
12943	208	226	14.93	7.31	< 0.01	13.24	0.09	8.04	0.16	2.96	0.04	47.56	1.01	2.90	98.25	20	< 5	130	< 10	40	20
12944	208	226	14.79	6.68	< 0.01	17.15	0.19	5.10	0.22	2.28	0.14	46.24	1.98	2.80	97.58	60	< 5	120	< 10	100	50
12945	208	226	15.61	3.17	< 0.01	6.30	0.86	2.96	0.08	3.83	0.09	64.48	0.58	2.56	100.55	180	10	180	< 10	120	10
12946	208	226	14.82	6.40	< 0.01	13.41	0.31	6.46	0.19	2.47	0.07	48.31	1.11	4.04	97.60	120	< 5	130	< 10	50	20
12947	208	226	16.72	8.44	< 0.01	9.38	0.06	5.66	0.19	3.08	0.07	50.36	1.02	4.22	99.21	30	< 5	130	< 10	40	20
12948	208	226	15.04	6.78	< 0.01	22.80	0.30	4.78	0.38	1.17	0.18	40.81	1.99	2.71	96.95	120	< 5	90	< 10	80	50
12949	208	226	14.32	8.99	< 0.01	12.93	0.18	7.75	0.20	3.10	0.09	49.31	0.99	1.87	99.74	50	< 5	120	< 10	30	20
12950	208	226	15.65	8.57	0.05	10.80	0.09	11.00	0.14	2.46	0.06	46.79	0.60	3.28	99.49	70	< 5	170	< 10	20	20

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

To: LEWIS, M.P. GEOLOGICAL SERVICES

269 CHERCOVER DR.
THUNDER BAY, ON
P7G 1A2

Project :
Comments: ATTN: PAT LEWIS

Page Number :1
Total Pages :2
Certificate Date: 11-JUL-94
Invoice No. :I9419374
P.O. Number :
Account :LVP

CERTIFICATE OF ANALYSIS A9419374

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R						
12901	244	238	< 5	146	20	0.2						
12902	244	238	< 5	73	30	< 0.2						
12903	244	238	< 5	45	25	< 0.2						
12904	244	238	< 5	17	15	< 0.2						
12905	244	238	< 5	5	212	0.2						
12906	244	238	< 5	2	106	< 0.2						
12907	244	238	< 5	28	38	< 0.2						
12908	244	238	< 5	1	71	< 0.2						
12909	244	238	< 5	4	51	< 0.2						
12910	244	238	< 5	36	31	0.2						
12911	244	238	< 5	2	29	< 0.2						
12911	244	238	< 5	10	44	< 0.2						
12912	244	238	< 5	1	24	< 0.2						
12913	244	238	< 5	16	40	< 0.2						
12914	244	238	< 5	13	66	< 0.2						
12915	244	238	< 5	16	32	< 0.2						
12916	244	238	< 5	2	34	< 0.2						
12917	244	238	< 5	< 1	65	< 0.2						
12918	244	238	< 5	2	73	< 0.2						
12919	244	238	< 5	53	75	< 0.2						
12920	244	238	< 5	73	83	< 0.2						
12921	244	238	< 5	82	67	< 0.2						
12922	244	238	< 5	33	75	0.2						
12923	244	238	< 5	75	53	< 0.2						
12924	244	238	< 5	27	892	< 0.2						
12925	244	238	< 5	62	108	< 0.2						
12926	244	238	< 5	6	35	< 0.2						
12927	244	238	< 5	40	50	0.2						
12928	244	238	< 5	6	15	< 0.2						
12929	244	238	< 5	6	29	< 0.2						
12930	244	238	< 5	108	59	< 0.2						
12931	244	238	< 5	68	43	< 0.2						
12932	244	238	< 5	35	56	< 0.2						
12933	244	238	< 5	8	55	< 0.2						
12934	244	238	< 5	4	115	< 0.2						
12935	244	238	< 5	103	68	< 0.2						
12936	244	238	< 5	54	87	< 0.2						
12937	244	238	< 5	88	46	< 0.2						
12938	244	238	< 5	112	60	< 0.2						
12939	244	238	< 5	72	61	< 0.2						

Strachan Bruch Do.

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

To: LEWIS, M.P. GEOLOGICAL SERVICES

269 CHERCOVER DR.
THUNDER BAY, ON
P7G 1A2

Project :
Comments: ATTN: PAT LEWIS

Certificate Date: 11-JUL-94
Invoice No. : 19419374
P.O. Number :
Account : LVP

CERTIFICATE OF ANALYSIS A9419374

SAMPLE	PREP CODE		Au ppb FA+AA	Cu ppm	Zn ppm	Ag ppm Aqua R
12940	244	238	< 5	50	69	< 0.2
12941	244	238	< 5	123	125	< 0.2
12942	244	238	< 5	56	75	< 0.2
12943	244	238	< 5	125	60	< 0.2
12944	244	238	< 5	66	114	< 0.2
12945	244	238	< 5	21	75	< 0.2
12946	244	238	< 5	92	89	< 0.2
12947	244	238	< 5	110	80	< 0.2
12948	244	238	< 5	6	114	< 0.2
12949	244	238	< 5	108	49	< 0.2
12950	244	238	< 5	106	44	< 0.2

CERTIFICATION: [illegible]

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 905-624-2806

To: LEWIS, M.P. GEOLOGICAL SERVICES

269 CHERCOVER DR.
THUNDER BAY, ON
P7G 1A2

Project :
Comments: ATTN: PAT LEWIS

Page Number :1
Total Pages :1
Certificate Date: 30-JUN-94
Invoice No. :19419023
P.O. Number :
Account :LVP

CERTIFICATE OF ANALYSIS A9419023

SAMPLE	PREP CODE		Au ppb FA+AA
12953	205	226	< 5

CERTIFICATION:

APPENDIX 2

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, M.P. Lewis, hereby certify that:

1. I am a practicing Geologist and sole proprietor of M.P. (Pat) Lewis Geological Services, with an office at 269 Chercover Drive, Thunder Bay, Ontario.

2. I am a graduate of Memorial University of Newfoundland (1976) with a Bachelor of Science Degree – Major in Geology.

3. I have practiced my profession as an Exploration Geologist continuously for the past 17 years.

4. I have an indirect interest in the Properties described in this report.

Signature: Pat Lewis
M.P. Lewis

Date: _____

REFERENCES

Degagne, Paul 1987: Report of Work. Panama Lake Property - Noranda Exploration Company Ltd.

Rayner, Wally, 1979: Geology Map. St.Joe Exploration

Ministry of Northern Development and Mines
Ontario

Lands

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number
IN9520.00044

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.16109

Instructions:
- Please type or print and submit in duplicate.
- Refer to the Mining Act and Regulations f
  Recorder.
- A separate copy of this form must be corr
- Technical reports and maps must accomp
- A sketch, showing the claims the work is

52K15NE0004 2 16109 SLATE LAKE

900

Recorded Holder(s)		Client No.
CUMBERLAND RESOURCES LTD		122924
Address		Telephone No.
74 WINNIPEG AVE, THUNDER BAY, ONT P7B 3P9		807-344-6598
Mining Division	Township/Area	M or G Plan No.
RED LAKE	SLATE L.	G-1884

Dates Work Performed — From: JUNE 16/94 To: JUNE 22, 1994

Work Performed (Check One Work Group Only)

	Work Group	Type
✓	Geotechnical Survey	GEOLOGICAL - WHOLE ROCK.
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

RECEIVED
JUL 1 7 1995
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 12,492

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
M.P. LEWIS GEOLOGICAL SERVICES	269 CHERCOVER DR.
	THUNDER BAY, ONT
	P7G 1A2

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. [illegible] reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date	Recorded Holder or Agent (Signature)
	APRIL 25/95	Pat Lewis

Certification of Work Report

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

Name and Address of Person Certifying

PAT LEWIS, 269 CHERCOVER DRIVE, T.B. ONT.

Telephone No.	Date	Certified By (Signature)
807-767-0259	APRIL 25/95	Pat Lewis P7G 1A2

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$12,492.00	July 11, 1995	Barbara Rompa	RECEIVED RED LAKE MINING DIV. JUL 11 1995 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM
	Deemed Approval Date: October 9, 1995	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

0241 (03/91)

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1144370	2	$2,036			2,036
	1144371	1	543			543
	1144372	6	1,222			1,222
	1202247	16	8,012			8,012
	1202249	2	679			$679
	Total Number of Claims: 5	(27)	Total Value Work Done: 12,492	Total Value Work Applied	Total Assigned From	Total Reserve

RECEIVED
RED LAKE MINING DIV.
JUL 11 1995
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to priorize the deletion of credits. Please mark (✓) one of the following:

1. ☐ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ Credits are to be cut back as priorized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature: Pat Lewis	Date: July 7/95

Ministry of Northern Development and Mines
Ontario

Ministère du Développement du Nord et des mines

Statement of Costs for Assessment Credit

État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Transaction No./N° de transaction: W9520.00044

Personal information collected on this form is obtained under the authority of the **Mining Act**. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la **Loi sur les mines** et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain	1,289	1,289
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type GEOLOGICAL	7,668	
	CHEMEX LABS	1,404	
	ANALYSIS		9,072
Supplies Used Fournitures utilisées	Type	$659	
			659
Equipment Rental Location de matériel	Type BOAT & MOTOR	249	
			249
		Total Direct Costs Total des coûts directs	$11,269

2. Indirect Costs/Coûts indirects

** **Note:** When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type	$701	
Food and Lodging Nourriture et hébergement	GROC	$521	
Mobilization and Demobilization Mobilisation et démobilisation			
		Sub Total of Indirect Costs Total partiel des coûts indirects	1,223
		Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)	1,223
		Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles	$12,492

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

RECEIVED
RED LAKE MINING DIV.
JUL 11 1995
AM 7,8,9,10,11,12,1,2,3,4,5,6 PM

Note : Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit		Total Assessment Claimed
	× 0.50 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation		Évaluation totale demandée
	× 0,50 =	

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as AGENT - GEOLOGIST I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

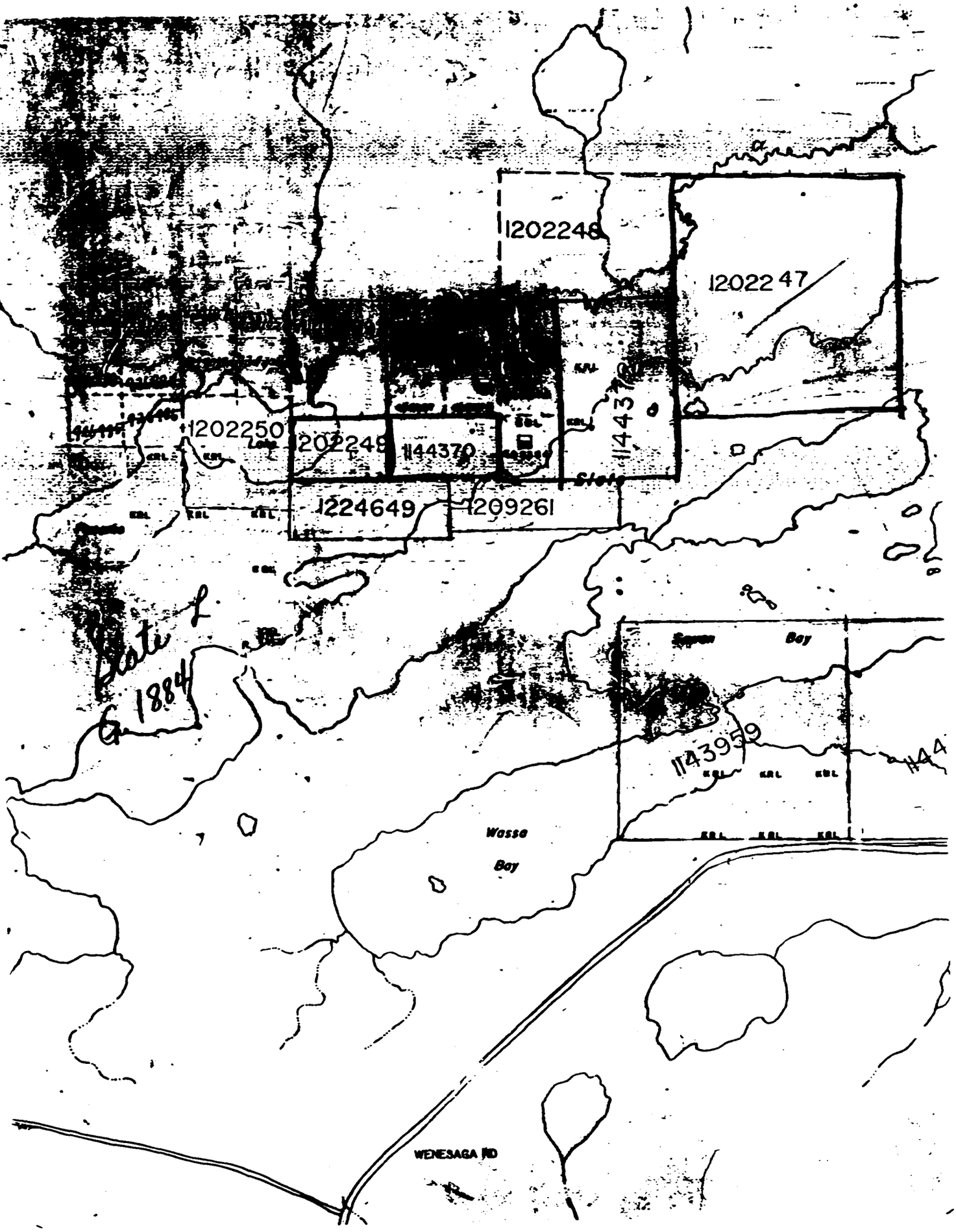
Et qu'à titre de ______________________ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature	Date
[illegible]	July 7/95

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.


1202248
1202247
1202250
202248
1144370
1144378
1224649
1209261
Plat of 1884
Green Bay
1143959
Wasse Bay
WENESAGA RD

Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Geoscience Approvals Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (705) 670-5853
Fax: (705) 670-5863

November 22, 1995

Our File: 2.16109
Transaction #: W9520.00044

Mining Recorder
Ministry of Northern Development & Mines
Ontario Government Building
227 Howey Street
Box 324
Red Lake, Ontario
P0V 2M0

Dear Mr. Rivett:

RE: APPROVAL OF NOTICE OF REDUCTION ISSUED FOR ASSESSMENT WORK REPORTED ON MINING CLAIMS 1144370 ET AL. IN SLATE LAKE AREA

The assessment work credits, as outlined on the attached report of work form, **have been approved as of November 20, 1995.** The credits have been approved under Section 12 (Geology) of the Mining Act Regulations.

If you have any questions regarding this correspondence please contact Steven Beneteau at (705) 670-5855.

ORIGINAL SIGNED BY:

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

SBB/jl
Enclosure:

cc: Assessment Files Office
Sudbury, Ontario

Resident Geologist
Red Lake, Ontario

VALUE OF ASSESSMENT WORK PERFORMED ON MINING CLAIMS

NOVEMBER 20, 1995
FILE NUMBER 2.16109
TRANSACTION NO. W9520.00044

CLAIM NUMBER	VALUE OF ASSESSMENT WORK DONE ON THIS CLAIM
1144370	$1,433.00
1144371	$ 358.00
1144372	$ 896.00
1202247	$5,733.00
1202249	$ 538.00
TOTAL	$8,958.00

G-1884

UCHI LAKE G-1901
and
EARNGEY TWP.

FREDART LAKE G-1779

AVIS LAKE G-1734

WHITEMUD LAKE G-1917

92°45' 92°30' 51°00' 50°52'30"

BOWERMAN TWP
FOR STATUS REFER TO TWP PLAN

1197101

1202248
1202247
1144369
1202250
1202249
1144370
1144372
1224649
1209261
1143959
1144327
1144353

2.16109
(GEOL)

Fly Cr
Panama Lake
Upper Slate Lake
Lower Slate Lake
Sowan Bay
Wassa Bay
Topeka
Hen Lake
Anape L.
Badrock Lake
Wenasaga R.
Wenasaga River
Papaonga R.
Papaonga River

BOB RD
BETTY RD
BEN LK RD
WENESAGA RD
BONDY RD
BADROCK RD
REID RD

RED LAKE MINING DIVISION
12
JUL 1995
RED LAKE, ONTARIO

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

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

FOREST ACTIVITY INFORMATION
THIS TOWNSHIP/AREA FALLS WITHIN THE
TROUT LAKE FOREST
AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE M.N.R. UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT:
P.O. BOX 5003
RED LAKE, ONTARIO P0V 2M0
(807) 727-2253

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
- REMOTE TOURISM SITE

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	OC
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. 380, SEC. 63, SUBSEC. 1

SCALE: 1 INCH = 40 CHAINS

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

AREA
SLATE LAKE
M.N.R. ADMINISTRATIVE DISTRICT
RED LAKE 2.
MINING DIVISION
RED LAKE
LAND TITLES / REGISTRY DIVISION
KENORA/PATRICIA

Ontario Ministry of Natural Resources — Land Management Branch

Date FEB. 1983.
Number G-1884

LEGEND

ROCK LITHOLOGIES

LA	Lakeshore Andesite
RA	Ridge Andesite
MT-LT	Mafic Tuff - Lapilli Tuff
FBAT	Felsic Bedded Ash Tuff
IF	Iron Formation
C-SED	Clastic Metasediments
GB	Gabbro Sill

MINERALOGY

ser	sericite	sil	siliceous	cpy	chalcopyrite
mus	muscovite	cal	calcite	sph	sphalerite
sfim	silimanite	act	actinolite	py	pyrite
anda	andalusite	cord	cordierite	po	pyrrhotite
bio	biotite	orth	orthopyroxite	gal	galena
grt	garnet	chl	chlorite	gahn	gahnite
diop	diopside	pmag	pmagopite	calsil	calcsilicates

SYMBOLS

Geology

- Geological Contact
- Lineament
- Property Boundary
- Fault
- Outcrops
- Sulphide Boulders
- Diamond Drill Hole
- HLEM Conductor

Structural

- Foliation
- S_1 Foliation
- S_2 Foliation
- Bedding
- Lineation
- L_1 Lineation
- L_2 Lineation
- Pillows (tops known, unknown)
- Kink Fold, axial trace
- 'S' Fold, axial trace
- Fold, trend & plunge of hinge lir

CUMBERLAND RESOURCES LTD.

SLATE LAKE PROPERTY

GEOLOGY MAP

		DATE
GEOLOGY:	P.Lewis	JUL 1994
DRAWN:		JUL 1994
Revisions:		

SCALE 1 : 5000

DIR: PN:
PLAN: NTS: