CUMBERLAND RESOURCES LTD.
RECONNAISSANCE GEOLOGICAL SURVEY

SLATE LAKE PROPERTY

NTS: 52K/15
NORTHWESTERN ONTARIO

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 and IP anomalies. The IP anomalies are in close proximity to known gold mineralization. The massive sulphide horizon, which was intersected by 4 closely spaced drill holes in 1979-80 (8.70% Cu, 7.05% Zn and 2.17 opt Ag/ 0.50 m), 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. Hydrothermal alteration was not detected in areas of known outcrop exposure. However, the presence of a 900 meter long CU-ZN rich massive sulphide sheet that has been drill tested to a maximum depth of 140 meters, plus prime VMS hosting stratigraphy in the form of felsic bedded ash tuffs and lapilli tuffs, sulphide mineralization over a relatively large area, untested HLEM and IP anomalies, together warrant an aggressive base metal and precious metal exploration program in the Slate Lake area.

An all-out effort should be made to acquire Breakwater's six(6) leased mining claims. Pending the successful acquisition of the Breakwater property, a Phase 1 program of linecutting, DEEPEM geophysical survey and a Phase 2 program of diamond drilling should be carried out. The cost of both programs is estimated at approximately $190,000.

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.

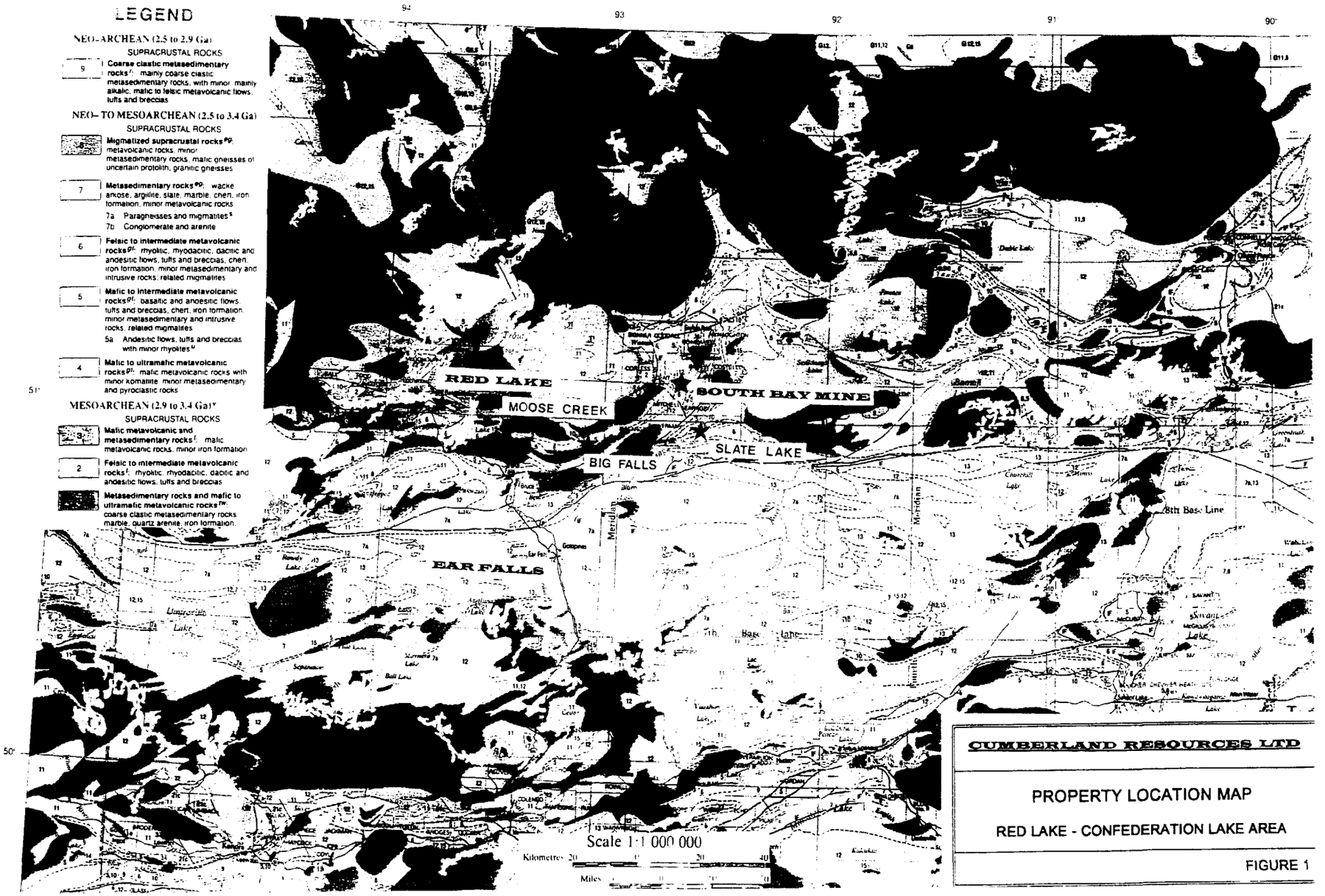
The purpose of the survey was to assess the base metal potential of the Slate Lake property by confirming the presence of favourable VMS hosting stratigraphy and to outline possible hydrothermal alteration probably associated with a known area of mineralization and untested HLEM conductors. During the 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.



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PROPERTY LOCATION MAP

RED LAKE - CONFEDERATION LAKE AREA

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.

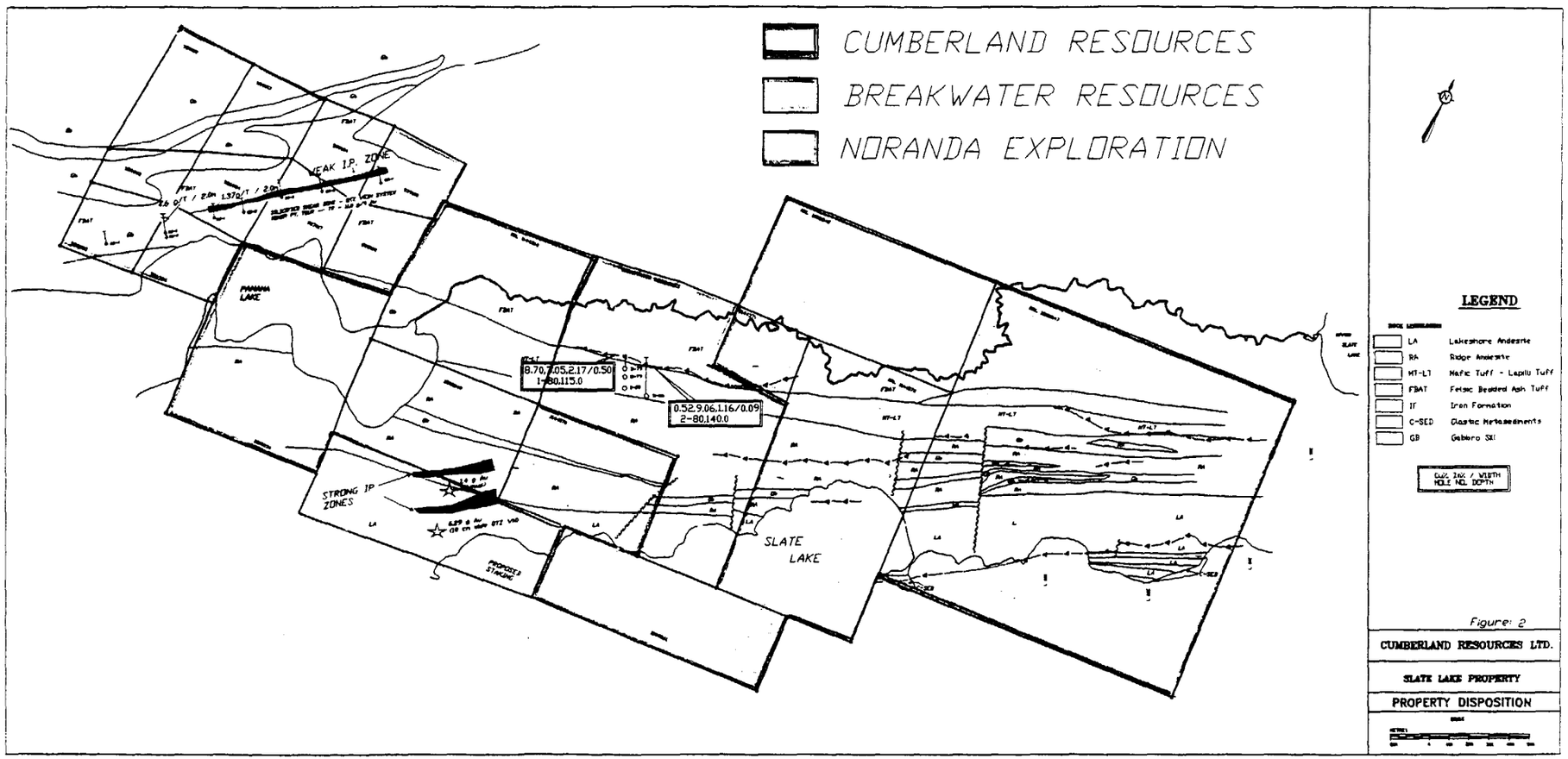
3.0 PROPERTY SUMMARY AND CLAIM DISPOSITION

The Slate Lake property is 100% wholly owned by Cumberland Resources Ltd. of Thunder Bay, Ontario subject to certain royalty and non-royalty conditions to M.P. Lewis Geological Services. The claims are located in the Slate Lake Area, Map Sheet G-1884 and consists of 9 contiguous mining claims (Figure 2). I.

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.



LEGEND

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

CU% ZN% / WIDTH
HOLE NO. DEPTH

Figure: 2

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SLATE LAKE PROPERTY

PROPERTY DISPOSITION

3.0 RESULTS OF PREVIOUS WORK:

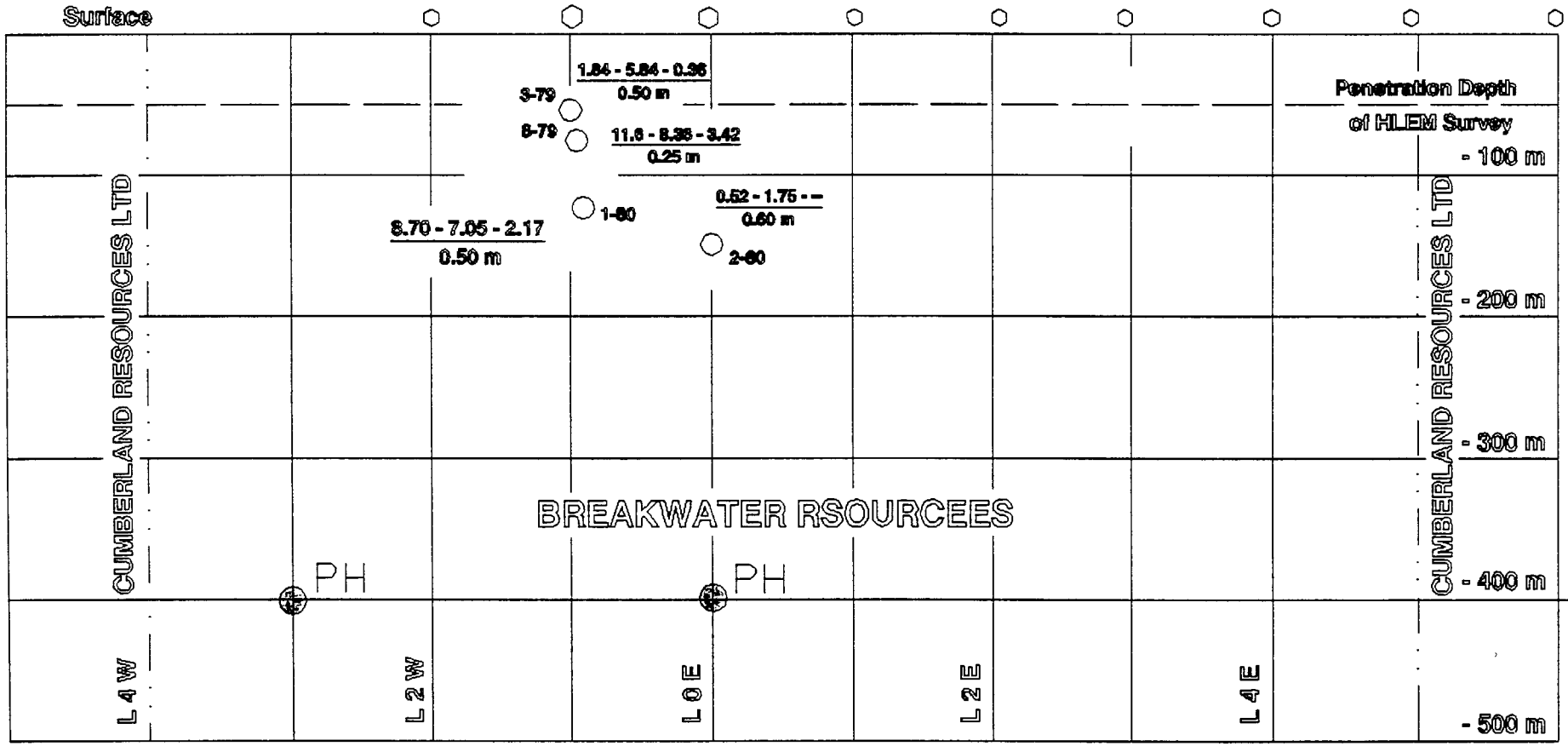
In 1979 St. Joseph Exploration Ltd., the predecessor to Breakwater Resources, carried out a regional airborne survey over the Slate Lake area. Subsequent ground follow-up, which included geological mapping, magnetometer and HLEM survey and diamond drilling, resulted in the discovery of a high-grade massive 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 hole 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. The second hole (8-79) was drilled just 20 m below hole 3-79 and intersected 11.6% Cu, 8.36% Zn and 3.42 opt Ag over 0.25 m. In 1980 an additional two holes were drilled to test the narrow but high grade massive sulphide sheet at depth. Hole 1-80 was drilled 45 m below hole 8-79 and encountered 8.70% Cu, 7.05% Zn and 2.17 opt Ag over 0.50 m. The second hole of 1980 (2-80) is located 100 m west and intersected 0.52 % Cu and 1.75 % Zn over 0.60 m (Figure 3). Although Breakwater Resources continue to hold the six(6) leased mining claims that cover most of the 900 meter long conductor, no further work has been carried out since 1980.

West and adjoining Cumberland's Slate Lake property, Noranda Exploration holds 10 claims in good standing. A much larger property position, including the area of Cumberland's three westerly claims, were staked by Noranda in 1986 to cover a known gold occurrence. Over a two year period (1986-1988) Noranda carried out geological mapping, magnetometer, VLF-EM and IP surveys, humus sampling and diamond drilling (8 holes).

The 8 -hole diamond drilling program tested a weak IP anomaly which defined a 800 m long auriferous and pyritized quartz flooded shear zone. Surface sampling returned erratic gold values which ranged from trace to 14.4 g/t with the best channel sample result being 10.3 g/t Au over 1.1 meters. Best drill results were obtained in hole PL88-3 and consist of 2.8 g/t over 4.5 meters. A hole drilled beneath 88-3 failed to encounter similar results.

Also included as part of Noranda's exploration program was reconnaissance regional humus sampling and prospecting. One humus sample located 400 meters north of Slate Lake contained 1400 ppb Au. Subsequent prospecting in the general area uncovered a narrow quartz vein (10 cm wide) which assayed 6.3 g/t Au. An IP survey followed which detected two sub-parallel strong anomalies. These IP anomalies, hosted by carbonatized and sheared (fissile) mafic volcanics, are separated by a distance of 150 meters and are open at both ends. The results of the IP survey, which was carried out over three lines are appended as Appendix 1. The northern anomaly is partially covered by Cumberland claim 1202249 with the south anomaly on open ground. Neither of the two anomalies have been drill tested.



% Cu - % Zn - opt Ag
Interval in metres

8.70 - 7.05 - 2.17
0.50 m

hole location

1-80
DDH

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VERTICAL LONGITUDINAL SECTION

ST. JOE HORIZON

SCALE: 1 : 5000

= HLEM Conductor

PH PROPOSED DDH

Figure 2A

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

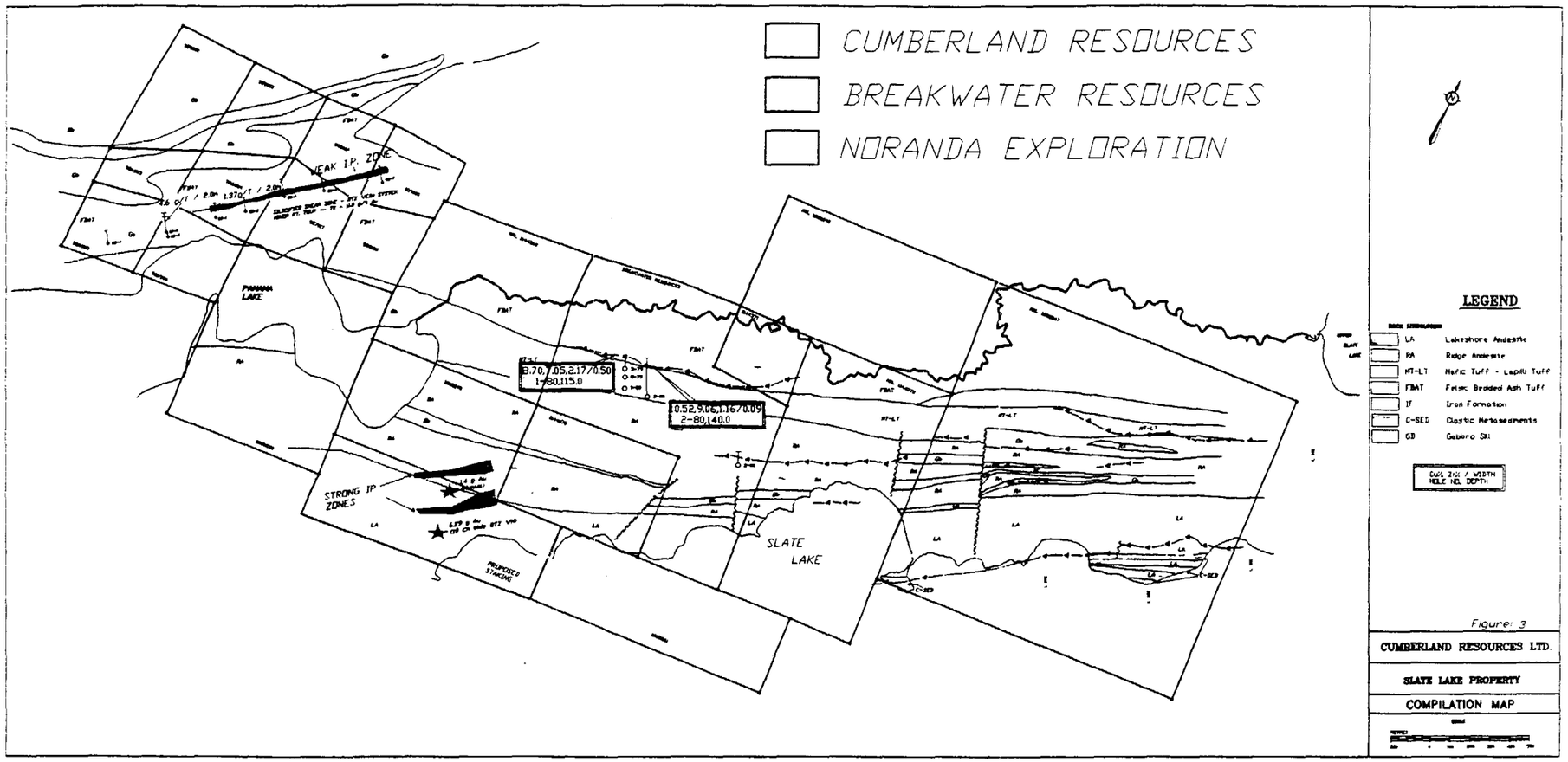
A variety of major rock types were recognized on the Slate Lake property during the course of the reconnaissance mapping program (Figure 3).

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.


CUMBERLAND RESOURCES
BREAKWATER RESOURCES
NORANDA EXPLORATION
PEAK I.P. ZONE
PANAMA LAKE
STRONG IP ZONES
SLATE LAKE
PROPOSED STAKING
LEGEND
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
CuO. Zn% / WIDTH HOLE NO. DEPTH
Figure: 3
CUMBERLAND RESOURCES LTD.
SLATE LAKE PROPERTY
COMPILATION MAP

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.

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%

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

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 2.

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).

8.0 CONCLUSIONS:

Combined base metal values (15% Cu-Zn) associated with the 900 m long HLEM anomaly on Breakwater's Slate Lake property are substantially higher than any other base metal prospect in the entire area of the Confederation Lake Assemblage. Favourable geology in the form of felsic bedded ash tuffs and cherty lapilli tuff, iron metasomatism (sulphide burns) and an exceptional high grade, relatively untested, 900 meter long, massive sulphide horizon combine to make the Slate Lake area a most exciting base metal play.

The Slate Lake area also holds considerable potential for significant gold mineralization. Untested IP anomalies in an area of sheared and carbonatized mafic volcanic rocks are located in close proximity to known gold mineralization. One 3-unit claim should be staked to cover these anomalies.

CUMBERLAND RESOURCES LTD.

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

9.0 PROPOSED EXPLORATION PROGRAM AND BUDGET:

First and foremost recommendation is the acquisition of Breakwater's property position in the Slate Lake area. Pending this successful acquisition a Phase 1 and Phase 2 exploration program is recommended (Figure 4):

Phase 1 would consists of:

1) 30 km of linecutting that would cover the area of the St. Joe massive sulphide horizon and adjacent areas to the east and west. Total strike coverage of 2.5 km.

2) 25 km of DEEPEM survey

3) Staking of a 3-unit claim block that would provide total coverage of Noranda's IP anomalies.

Phase 2 would consists of the drilling of 5 holes for a total of 1600 meters . Two deep holes would test the St.Joe horizon at vertical depths of 400 meters, two holes to test HLEM anomalies in the most eastern part of the property and the remaining hole to test one of two strong IP anomalies in close proximity to known gold mineralization.

Cost of the above programs is estimated at $190,000. A detailed proposed budget for Phase 1 and Phase 2 is provide in Tables III and IV.

Respectively submitted,

Patrick Lewis

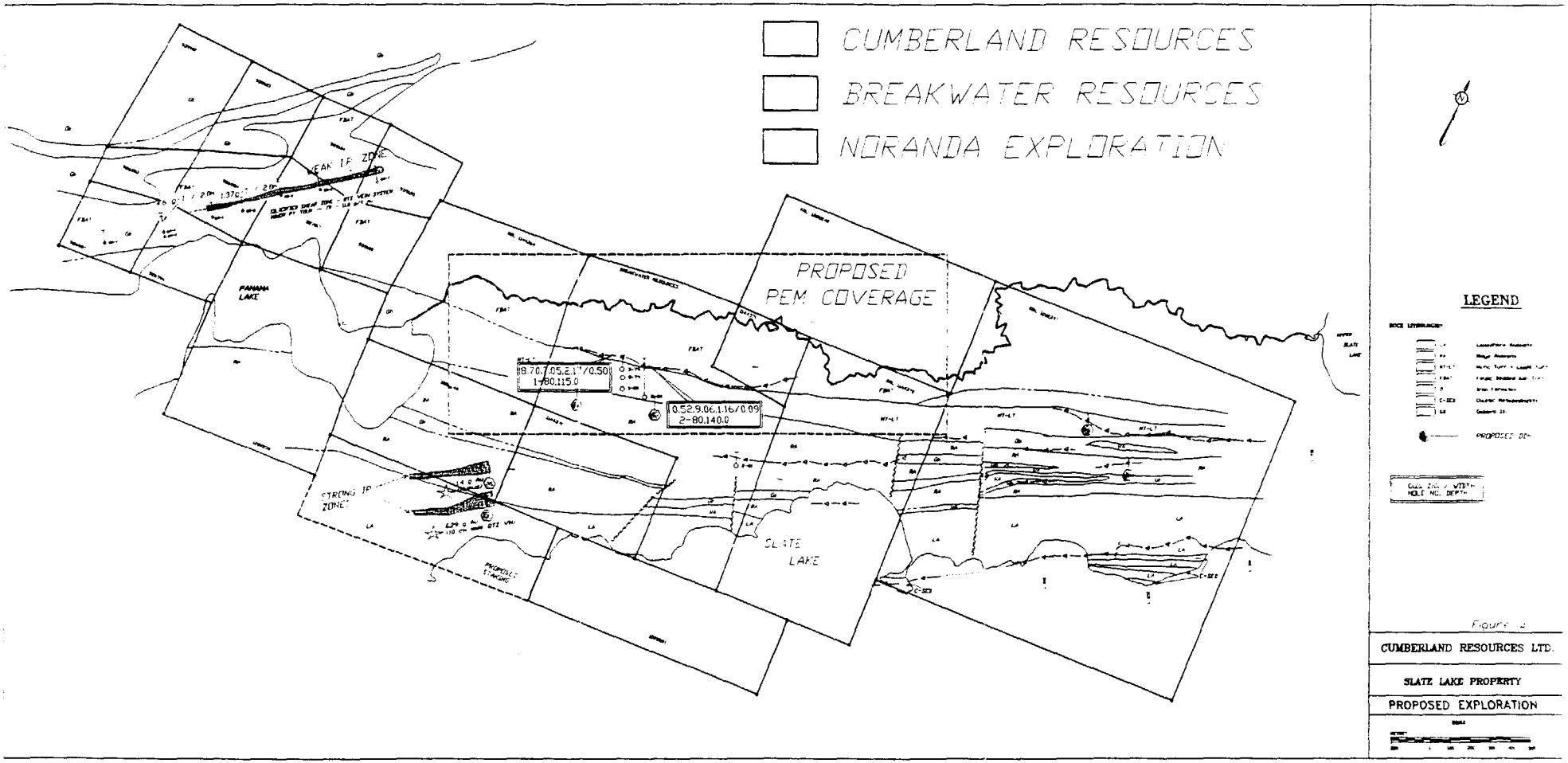


Figure 2

CUMBERLAND RESOURCES LTD.

SLATE LAKE PROPERTY

PROPOSED EXPLORATION

TABLE: III

PROPOSED BUDGET - 1994 **PHASE 1**

PROJECT: SLATE LAKE PROJECT **PN: 602**

GEOLOGY

	Salaries	$1,800	
	Travel Expenses		
	Contract Payments		
	Field Expenses		
	Analyses		$1,800

GEOPHYSICS

DEEPEM (25KM X $700)	*Salaries*	$2,000	
	Travel Expenses	$2,000	
	Contract Payments	$17,500	
	Field Expenses	$2,000	$23,500

GEOCHEMISTRY

	Salaries		
	Travel Expenses		
	Contract Payments		
	Field Expenses		
	Analyses	$500	$500

DRILLING

		Salaries		
		Travel Expenses		
_____ m		*Contract Payments*		
		Field Expenses		
		Analyses		

30 km x $300	*Line Cutting*		$9,000
	Property Aquisition		$600
	Option Payments		$5,000
			$1,600
	REPORT WRITING - DRAFTING		$3,500
	TOTAL DIRECT		$45,500
	Administration	10%	$4,550
	TOTAL EXPENDITURE		$50,050
	PARTNERS SHARE		
	CUMBERLAND SHARE	100%	$50,050

TABLE IV

PROPOSED BUDGET - 1994 PHASE 2

PROJECT: SLATE LAKE PROJECT **PN: 602**

GEOLOGY

		Salaries	
		Travel Expenses	
		Contract Payments	
		Field Expenses	
		Analyses	

GEOPHYSICS

		Salaries	$1,000
		Travel Expenses	$1,000
BOREHOLE PEM (2 HOLES X$3,000)		*Contract Payments*	$6,000
		Field Expenses	$8,000

GEOCHEMISTRY

		Salaries	
		Travel Expenses	
		Contract Payments	
		Field Expenses	
		Analyses	

DRILLING

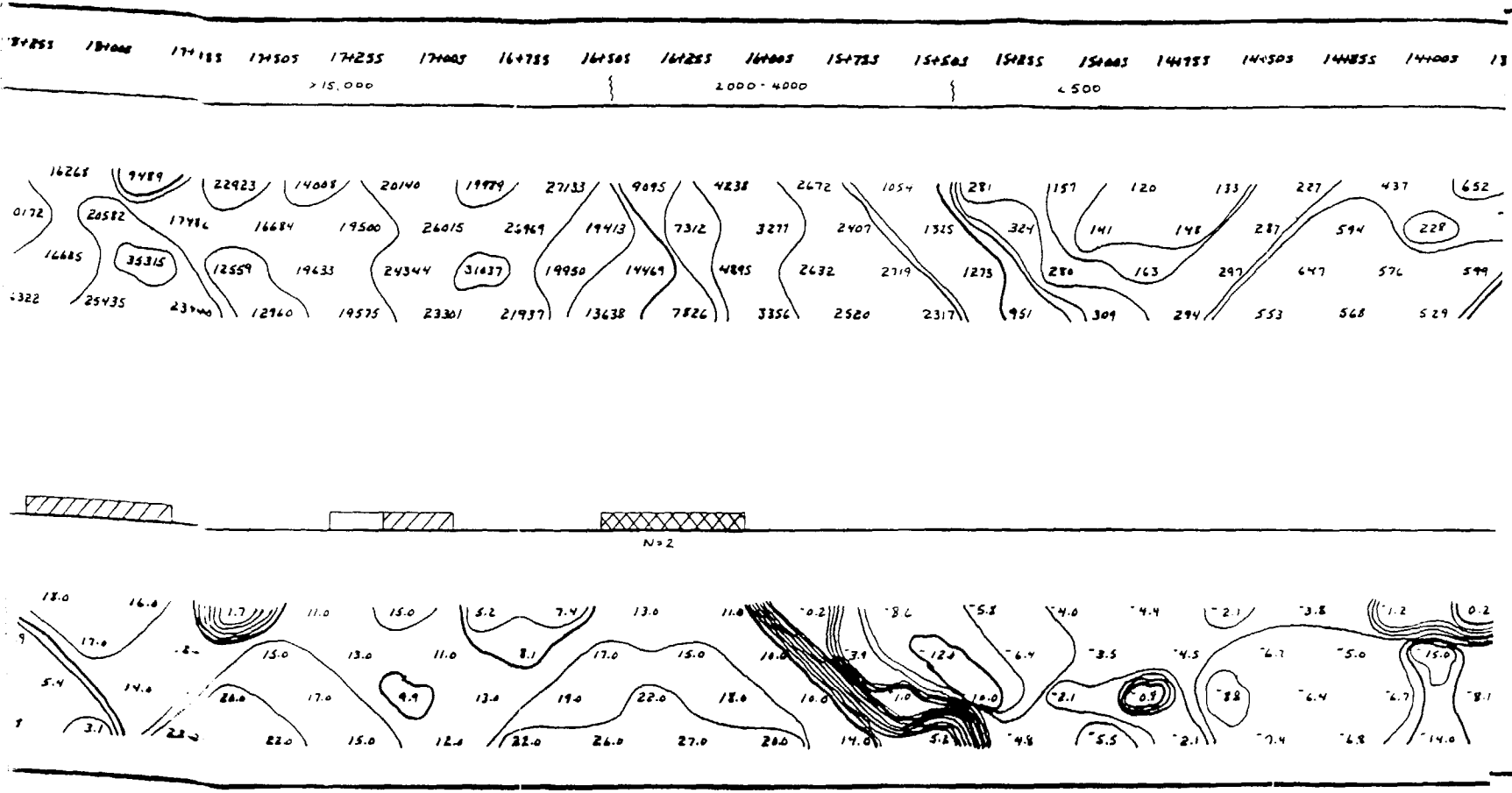
	$7.50/m	*Salaries*	$12,000	
	$1.88/m	*Travel Expenses*	$3,000	
1600 m	$65.00/m	*Contract Payments*	$104,000	
	$2.00/m	*Field Expenses*	$3,200	
	$1.56/m	*Analyses*	$2,500	$124,700
	$77.94/m			

Line Cutting		
Property Aquisition		
Option Payments		
REPORT WRITING - DRAFTING		$4,000
TOTAL DIRECT		$136,700
Administration	10%	$3,270
TOTAL EXPENDITURE		$139,970
PARTNERS SHARE		
CUMBERLAND SHARE	100%	$139,970

NOTE: 10% ADMIN FEE DOES NOT PRETAIN TO DRILLING CONTRACT COST.

APPENDIX 1

IP SURVEY - NORANDA, 1988



NORANDA EXP

PANAMA LAKE GRID,

I.P. - TIME DOMAIN

SCALE: 2cm = 25 m

LINE: 17+00E

DATE: JAN/88

MERTENS & MACNEIL

> 30 mv/v

20-30 mv/v

10-20 mv/v

< 10 mv/v

n = 2 : DEPTH ESTIMATE A

2000 - 6000 : APPARENT RESISTIV

: POSSIBLE FAULT / CI

: DESCRETE LOW RE

APPENDIX 2

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-9
Invoice No. : I941867
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

CERTIFICATION: Kent Ruckler

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 :2
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
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: Ian Bachlet

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. : I9419023
P.O. Number :
Account : LVP

CERTIFICATE OF ANALYSIS A9419023

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

CERTIFICATION:

APPENDIX 3

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

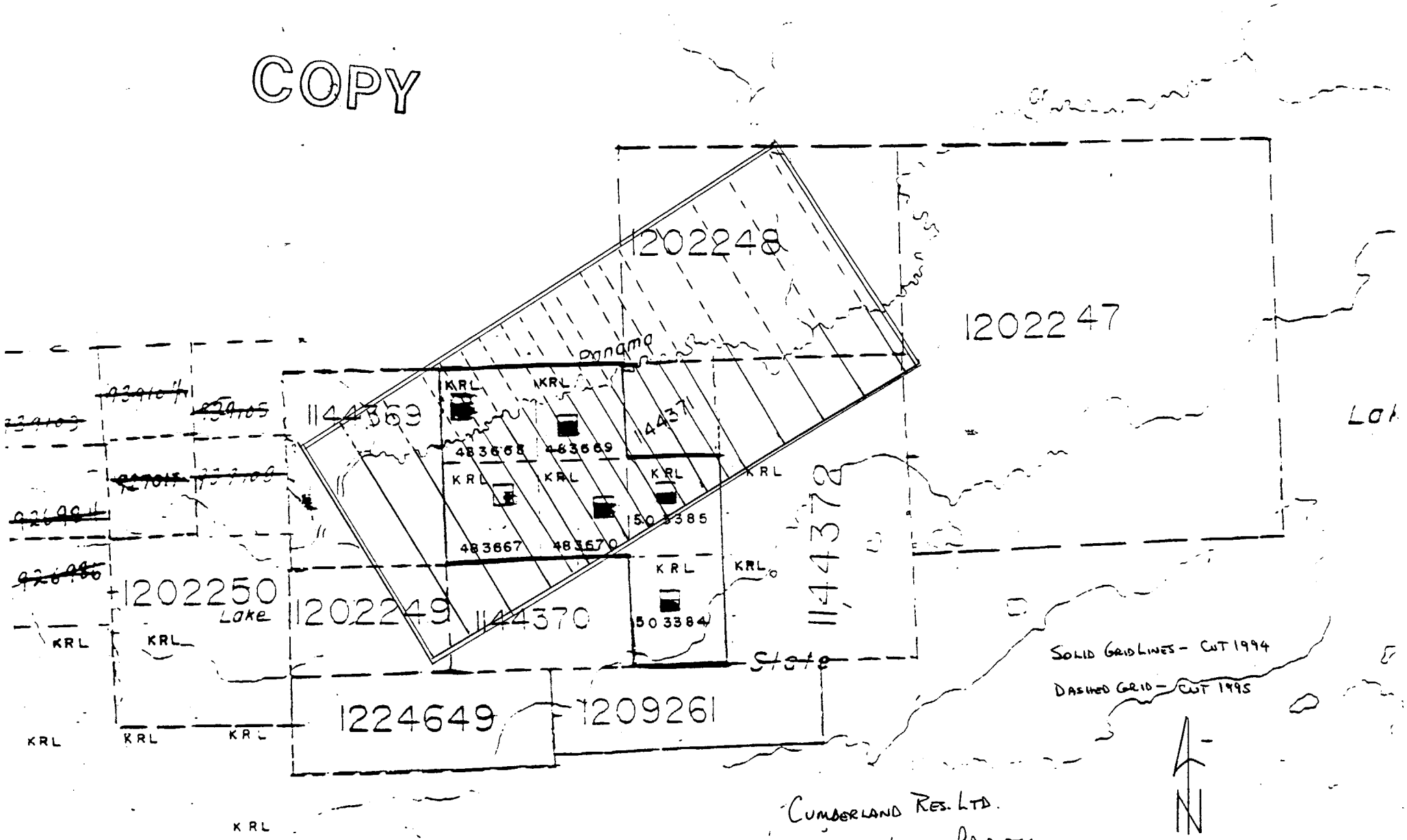
Degagne, Paul 1987: Report of Work. Panama Lake Property - Noranda Exploration Company Ltd.

Degagne, Paul 1988: Report on Diamond Drilling - Panama Lake Property. Noranda Exploration.

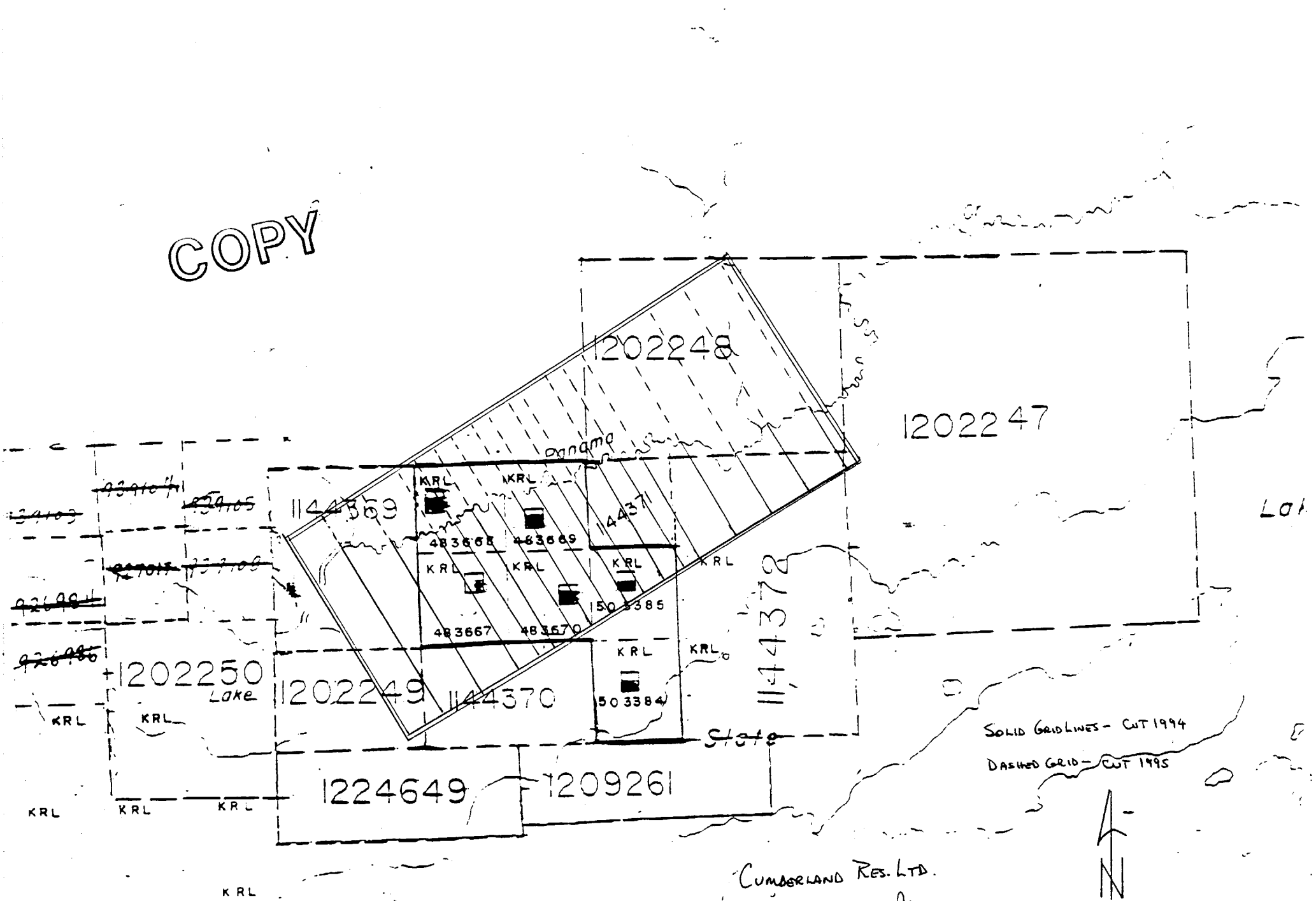
Fitzpatrick, Dennis 1989: Report of Work on Panama Lake Property. Noranda Exploration.

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

COPY



Cumberland Res. Ltd.
Slate Lake Property
Grid Map.



Cumberland Res. Ltd.
Slate Lake Property
Grid Map.

UCHI LAKE G-1901
and
EARNGEY TWP.

FREDART LAKE G-1779

AVIS LAKE G-1734

BOWERMAN TWP
FOR STATUS REFER TO TWP PLAN

WHITEMUD LAKE G-1917

92°45' 92°30' 51°00' 50°52'30"

1197101 1202248 1202247 1232797 1232692 1144369 1144371 1144372 1202249 1144370 1224649 1209261 1184392 1184393

Fly Cr. Uchi Lake Uchi R. Upper Slate Lake Wenasaga R. Panama Lake Slate Lake Anapo L. Lower Slate Lake Ben Uchi R. Lake Sawan Bay Topeka R. Wasa Bay Badrock Lake River Papaonga R.

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

1M 2M 3M 9M 10M 11M 55' 56' 57' 58' 59' 54' 53' 52'

44 43 42 41 40 39 38 37 36 35 34 33 32 31

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

DATE OF ISSUE
JUN 18 1998
PROVINCIAL RECORDING OFFICE - SUDBURY

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.

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 (RTS)

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	(P)
CANCELLED	⊗
SAND & GRAVEL	(P)

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
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	Andesite
FA	Andesite
MT-LT	Mafic Tuff - Lapilli Tuff
FBAT	Felsic Bedded Ash Tuff
IF	Iron Formation
C-SED	Clastic Metasediments
GB	Sill

MINERALOGY

ser	sericite	sil	siliceous	cpy	chalcopyrite
mus	muscovite	cal	calcite	sph	sphalerite
sillim	sillimanite	act	actinolite	py	pyrite
andal	andalusite	cord	cordierite	po	pyrrhotite
bio	biotite	anth	anthophyllite	gal	galena
gnt	garnet	chl	chlorite	gahn	gahnite
diop	diopside	phlog	phlogopite	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 line

COPY

CUMBERLAND RESOURCES LTD.

SLATE LAKE PROPERTY
GEOLOGY

COMPILATION MAP

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

SCALE 1 : 5000

METRES 100 0 50 100 150 200 250

DIR:
PLAN:
PN:
NTS:

210

LEGEND

ROCK LITHOLOGIES

LA	Lakeshore Andesite
FA	Fabge Andesite
MT-LT	Tuff - Lapilli Tuff
FBAT	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
sillim	sillimanite	act	actinolite	py	pyrite
andal	andalusite	cord	cordierite	po	pyrrhotite
bio	biotite	anth	anthophyllite	gal	galena
gnt	garnet	chl	chlorite	gahn	gahnite
diop	diopside	phlog	phlogopite	calsil	calcsilicates

COPY

SYMBOLS

Geology

- Geological Contact
- Inferred
- 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 line

CUMBERLAND RESOURCES LTD.