

DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 LENGTH 360 meters
 LOCATION 19+005 1+90E
 LATITUDE _____ DEPARTURE _____
 ELEVATION _____ AZIMUTH 225° DIP 50°
 STARTED July 29, 1986 FINISHED August 5, 1986

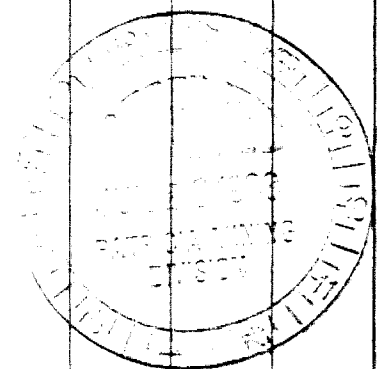
FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
collar	50°	225°	201	52.5°	
54.0m	52.5°		246	51.5°	
87.0m	51.0°		288	52.5°	
150m	53.0°		327m	51.0°	
			360m	52°	

HOLE NO. EL-86-2 SHEET NO. 1

REMARKS _____

LOGGED BY Blair Kite

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS			
FROM	TO		NO.	% SUB-IDD'S	FOOTAGE meters			Na ₂ O	
				FROM	TO	TOTAL			
0	1.0	Bed rock: casing							
1.0	8.14	Intermediate tuff: grey dark matrix feldspar crystals, biotite eyes, tuff fragments retrograde garnet pyrite: disseminated to 7%	14621		3.0	3.50	0.3		1.98%
8.14	8.85	Intermediate lapilli tuff grey dark matrix 20% lapilli to 8mm well sorted, matrix support		7%					
8.85	16.20	Intermediate tuff grey matrix ash fragments grade up to 30% local garnet <1% 3-5% biotite eyes locally 10.05-11.12 muscovite, quartz carbonate vein, 11° to core axis 1 cm halo pyrite in amphibolitic, mafic vein (2-3%)		tr					
16.20	19.50	Intermediate tuff fine grained, homogenous grey carbonate altered ash + feldspar crystals							



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LAMPRECHTS - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake

EL-86-2

HOLE NO. _____

SHEET NO. _____

2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPH. IDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au	Na ₂ O
				FROM	TO	TOTAL							
19.50	24.70	Intermediate tuff, lapilli tuff 20-25% fragments to 6mm mafic crystals to 7%, 2mm carbonate alteration and veinlets											
24.70	27.92	Intermediate tuff fine grained, grey green ash carbonate veinlets and alteration											
27.92	40.58	Intermediate tuff, crystal tuff grey matrix, matrix support fragments and crystal fragments to 6mm, moderate sorting local amphibole crystals to 7% fragments increase to 30% pyrite <<1% carbonate alteration 38.98-39.80 36.28 mafic vein, pyritic	14622	28	28.5	0.5							3.78
40.58	41.00	Intermediate tuff grey matrix, ash texture carbonate alteration											
41.0	43.8	Intermediate lapilli tuff - tuff as per 27.92-40.58											
43.8	47.4	Silicified, laminated ash (exhalite) laminated, <1cm siliceous, biotitic core very broken pyrite disseminated to 3% cpy trace	14623	3%py	45	45.5		41	7	52	.2		8

DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au
					FROM	TO	TOTAL					
47.4	58.25	Intermediate tuff - lapilli tuff local ash fragments, feldspar crystals grey to dark grey matrix fragments to 5mm; grade up to 15-20% elongate mafic veinlets at: 52.29 52.50 52.56 52.88 54.00 54.20 54.76 56.36 56.48 quartz veins at 56.00 and 57.46	14624	3%py	53	53.5	0.5					
58.25	60.10	Intermediate lapilli tuff foliated at 40° to core axis fragments to 1cm elongate parallel to core axis quartz carbonate veins to 2mm disseminated pyrite to 2% 58.92 quartz vein, disseminated pyrite 59.18-59.48 network quartz carbonate veins with alteration halo										
60.10	61.0	Intermediate tuff fine grained, grey to dark grey pyrite to 1% near mafic veins										
61.0	68.6	Intermediate lapilli tuff - tuff fragments to 5mm, 5 to 7% grade to 2% at base grey green matrix 64.81 quartz vein 66.08 mafic vein 66.60 mafic vein 67.10, 67.37 mafic vein										

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DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPH IDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au
					FROM	TO	TOTAL					
68.6	69.59	Intermediate tuff foliated at 52° to core axis crystalline, fine grained, biotitic 5-7% pyrite strong carbonate alteration local silicification pervasive mafic veining pyrite to 1% at base		5-7%								
69.59	70.67	Altered tuff foliated at 30° to core axis biotitic possibly as shear zone quartz vein 69.78 silicified, trace carbonate pyrite disseminated to 20% along foliation	4625		70.0	70.5	0.5	68	9	88	0.3	15
70.67	72.04	Intermediate tuff homogenous, fine grained, crystalline pyrite in thin veinlets to 3mm thick; 7 in total										
72.04	73.66	Intermediate tuff; altered foliated, biotitic, fine grained pyrite nodules at 73m silicified, trace carbonate pyrite to 20%, along foliation; locally massive quartz vein at 72.22 and disseminated		20%								
73.66	74.09	Intermediate tuff biotitic, ash texture										

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DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPH. IDES	FOOTAGE <i>meters</i>			Cu	Pb	Zn	Ag	Au	Na ₂ O
					FROM	TO	TOTAL						
74.09	76.95	Pyrite nodule tuff pyrite nodules <1cm with fine biotitic rim nodules to 10% weak silicification light green color, mottled texture carbonate trace disseminated pyrite 2-7% hematite veins	14626		74.5	75.0	0.5	31	8	31	0.2	2	
76.95	78.60	Pyrite nodule tuff (exhalite) weak 1cm banding nodules 1cm to 7%, parallel to banding 78.60 exhalite fine disseminated pyrite and nodules to 2%	14627		77.0	77.5	0.5	27	11	55	0.1	1	
78.60	80.62	Pyrite nodule tuff siliceous, crystalline pyrite nodules and disseminated pyrite to 15% biotitic 80m pyrite grades to 5%, disseminated weak carbonate alteration		15%									
80.62	80.65	Exhalite banded to laminated; siliceous and pyritic bands and n odules pyrite to 15%		15%									
80.65	82.90	Lapilli tuff felsic to intermediate 5% lapilli, siliceous pyrite nodules and disseminated pyrite 3-7% 81.44 mafic vein carbonate alteration	14628		81.0	81.5	0.5	35	10	53	0.2	1	
			8835		82.8	83.1	0.5	36	15	80	0.5	1.45	

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DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 EL-86-2
 HOLE NO. _____ SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE <i>meters</i>			Cu	Pb	Zn	Ag	Au
				FROM	TO	TOTAL						
82.90	83.0	Exhalite laminated silica and pyrite										
83.0	85.40	Intermediate tuff biotitic, locally foliated at 42° to core axis pyrite to 5% pyrite to 3% disseminated		5%								
85.40	86.38	Laminated ash tuff (exhalite) siliceous, well laminated crystalline, biotitic pyrite in irregular veins, disseminated weak alteration	4629	5%	86.0	86.5	0.5	26	15	67	0.2	18
86.38	87.83	Pyrite nodule tuff Crystalline, pyrite nodules to 2cm, to 5% biotitic weak altered										
87.83	88.10	Cherty, laminated exhalite cherty laminations to 1cm fine pyrite to 5%		5%								
88.10	88.76	Pyrite nodule tuff tuff, crystalline, nodules to 2cm 5-7% and disseminated biotitic weak alteration, silicified		5%								
88.76	88.85	Exhalite cherty, very fine disseminated pyrite		5%								
88.85	91.07	Pyrite nodule tuff as above	4630		90.0	90.5	0.5	31	10	93	0.1	2

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DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au
					FROM	TO	TOTAL					
91.07	91.21	Exhalite laminations at 32° to core axis fine disseminated pyrite to 15%	14631		91.1	91.2	0.5	16	11	58	0.1	6
91.21	93.32	Lapilli tuff, debris flow, pyrite nodules chaotic, poorly sorted irregular cherty fragments to 20% biotitic matrix nodules 10-12%		15%								
93.32	94.21	Pyrite nodule tuff ash texture pyrite nodules to 2cm elongate, 15%		10 to 12%								
94.21	96.22	Exhalite well laminated; 2-4mm wide at 45° to core axis local intense silicification	14632		94.5	95.0	0.5	34	15	42	0.1	8
96.22	98.11	Ash tuff homogenous, ash texture pyrite to 5%, grading to 1% at base of unit		5%								
98.11	98.20	Exhalite as above fine pyrite to 5%		5%								
98.20	103.32	Pyrite nodule, lapilli tuff, poorly sorted cherty fragments to 20% 1-2cm pyrite nodules to 10% matrix is ash and biotitic pyrite to 10%	14633		98.0	98.5	0.5	22	11	72	0.4	5
				10%								

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DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au
					FROM	TO	TOTAL					
103.32	103.62	Cherty ash tuff weak banding, biotitic pyrite to 2%		2%								
103.62	118.32	Exhalite with local ash interbeds laminated chert and pyrite at 48° to core axis nodules to 15% locally-biotite 114m; nodules to 10-15% biotitic pyrite to 20% 105-106m ash interbeds to 15cm local silicification strong sericitic, silicified 116.0-117.0 biotitic, pyrite nodules to 10%	14634		104	104.5	0.5	16	8	23	0.1	13
			14635		108	108.5	0.5	45	11	54	0.3	10
			14636		112	112.5	0.5	40	9	91	0.2	2
			14637		117.8	118.3	0.5	25	4	32	0.2	13
118.30	121.41	Pyrite nodule tuff - lapilli tuff ash matrix, biotitic nodules 3cm x 5cm with biotitic rim to 20% nodules grade to 5% decrease to <1cm appear fractured 119.02-119.07 cherty exhalite local disseminated pyrite to 5%	14638		120.5	121.0	0.5	47	6	22	0.2	15
				5 to 10%								
121.41	123.47	Intense sericite, silica alteration local biotite seams local green mica pyrite to 3% quartz vein 121.63-121.85		3%								
123.47	125.70	Pyrite nodule tuff with local thin exhalite ashy texture, nodules to 2cm, elongate to 20% some are fractured local exhalite; finely laminated with pyrite laminated at 52 to core axis local silicification	14639		125.0	125.5	0.5	53	15	48	0.2	6
				10 to 15%								

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DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 EL-86-2
 HOLE NO. _____ SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au	Na ₂ O
					FROM	TO	TOTAL						
125.70	126.02	Mafic vein 2 amphiboles, carbonate trace pyrite											
126.02	130.50	Pyrite nodule tuff ash texture, pyrite nodules 3% <1cm nodules locally to 15% locally laminated	14640		129.0	129.5	0.5	25	7	49	0.2	9	
		126.3-126.51 mafic vein 126.7-126.9 carbonate veins pyrite 10-15% nodules and disseminated pyrite	8836	10-15%	130	130.5	0.5	33	8	37	4		1.32%
130.50	131.66	Tuff pyrite nodules have graded out ash texture, weak laminations disseminated pyrite to 10% silicified		10%									
131.66	132.95	Silicified, sericitic tuff relict ash texture pyrite to 10%	8837	10%	132	132.5	0.5	17	7	70	.2		1.04%
132.95	134.60	Pyrite nodules tuff ash texture, weak laminations nodules <1cm to 2% local alteration pyrite to 5% disseminated	14641	5-10%	133	133.5	0.5	15	7	61	0.3	1	
134.60	145.71	Intensely altered lapilli tuff tuff texture, relict lapilli <1% pyrite nodules with dark rim sericitic, silicified disseminated pyrite to 5%, increases to 10%	14642		138.0	138.5	0.5	49	11	125	0.1	1	
			14643		139.5	140	0.5	30	12	59	0.3	1	
			14644		143.0	143.5	0.5	3	3	52	0.1	1	
			14645		147	147.5	0.5	47	6	110	0.3	2	

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DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 10

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au
					FROM	TO	TOTAL					
145.71	152.46	Altered pyrite nodule, lapilli tuff pyrite nodules to 3cm, fractured 3-5% local siliceous lapilli fragments <2% nodules to 7%, 1cm at 151m matrix has ash texture pyrite nodules grade out at 152.46 silicified, sericitic pyrite to 10% disseminated	14646		151	151.5		10	6	70	0.1	1
152.46	154.2	Felsic tuff homogenous, fine grained, ash texture silicified, sericitic										
154.2	158.3	Pyrite nodule tuff ash texture nodules to 5%, <1cm at 155m nodules grade to 1-2% disseminated pyrite increases to 7-10% weak silicification sericite disseminated pyrite 5%	14647		154.5	155		2	5	10	0.1	1
			14648		155.0	255.5		68	6	75	0.4	4
158.3	171.50	Pyritic tuff ash texture local seams with pyrite to 35% local pyrite - gangue nodules biotite to 2% locally sericitic, silicified disseminated pyrite to 7% locally quartz veins at 161.56 161.80	14649		159	159.5		7	7	49	0.1	2
171.5	172.80	Pyrite nodule tuff nodules to 3% silicified	14650		162	162.5		19	13	99	0.3	3
			14651		163	163.5		55	8	129	0.5	1
			14652		167	167.5		12	7	80	0.2	2
			14653		171.5	172		4	5	21	0.1	1

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DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 11

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au
					FROM	TO	TOTAL					
172.80	176.20	Ash tuff ash texture , local pyrite nodules <1%, 1cm lapilli sized fragments to 3% weak alteration	14654		175.5	176		13	5	38	0.1	2
176.2	181.6	Lapilli tuff biotitic, lapilli fragments closely packed ash texture matrix pyrite <<1% local sericite, weak silicification	14655		180.0	180.5		18	2	73	0.1	1
181.60	184.05	Lapilli tuff, ash tuff local lapilli, pyrite nodules disseminated pyrite and nodules to 5% biotitic grading to weak silicification	14656	5%	183.5	184.0		32	6	29	0.2	4
184.05	184.93	Ash tuff, Intermediate to Felsic (unit 2) sharp contact biotitic <2% fragments to 8mm pyrite to 1%										
184.93	185.15	Pyrite nodule tuff felsic, ash texture nodules to 4cm sericitic pyrite to 5% nodules and disseminated		5%								
185.15	185.86	Felsic to intermediate tuff biotitic grades into pyrite <1% disseminated pyrite 7-10%										

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 12

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au
				FROM	TO	TOTAL						
185.86	191.70	Felsic to Intermediate tuff ash texture biotitic local fragments to 8mm	14657		187	187.5		27	15	136	0.3	3
		pyrite <1% pyrite in thin mafic veins	14658		191	191.5		31	31	404	1.8	60
191.70	195.1	Felsic tuff - lapilli tuff elongate lapilli >1cm biotite										
		pyrite to 1% weak silicification sericite										
195.1	196.2	Felsic tuff biotitic, ash texture										
		5mm pyrite veinlet										
196.2	196.32	Felsic tuff sharp contact at 45° to core axis										
196.32	198.72	Felsic tuff ash texture, biotitic										
		pyrite <1% sericitic										
198.72	200.9	Felsic-intermediate tuff sharp contact at 64° to core axis ash texture 3-5%, elongate lapilli to 1cm										
		weak sericite 204.91-205.20 carbonate vein to 3mm with alteration halo										

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake

HOLE NO. EL-86-2 SHEET NO. 13

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE meters		Cu	Pb	Zn	Ag	Au	Na ₂ O
				FROM	TO	TOTAL						
200.9	208.54	Felsic biotite veinlets and eyes 10% ash texture local lapilli silicified, sericitic										
208.54	210.7	Felsic to intermediate tuff ash texture biotite eyes to 20% gradational contact										
210.7	231.24	Felsic to intermediate tuff, lapilli tuff local lapilli biotite eyes to 12% 221 - <1% garnet to 3mm 212.83-212.95 carbonate veins and alteration halo 217.28 silicified to 218.30 218.79-219.05 quartz carbonate vein network alteration halo to 1cm 221.4-222.1 carbonate alteration locally silicified; mottled	14659	210.0	210.5		21	20	72	0.4	1	
			8838	222	222.5	.5	32	16	68	.4	1.31%	
231.24	235.19	Intermediate tuff; reworked garnet to 3%-7% homogenous, fine grained-ash texture local carbonate alteration mottled sericitic alteration	14660	235.0	235.5							
235.19	236.0	Silicified sericitic schist sharp contacts disseminated pyrite to 5% trace cpy										

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-2 SHEET NO. 14

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPH. IDES	FOOTAGE <i>meters</i>			Cu	Pb	Zn	Ag	Na ₂ O
					FROM	TO	TOTAL					
236.0	241.98	Felsic tuff ash texture 3% biotite eyes biotite seams < 2% weak sericite pyrite < 1%	14661	cpy	240	240.5						
241.98	284.41	Felsic-intermediate unit 2-1 biotitic, ash texture local amphibole patches mafic veins pervasive from 242 to 253m carbonate veins and halos	8839		262	262.5	.5	28	14	79	.4	1.52%
			14662		280	280.5						
284.41	287.90	Felsic to intermediate tuff ash texture 3% biotite eyes, biotite and amphibole disseminated pyrite to 1% 286.06-286.15 weak silicification around quartz vein, pyrite to 3%										
287.90	292.51	Felsic to intermediate tuff gradational contact biotitic < 1% weak silicification to 2% pyrite 291.8-292.23 silicification around quartz vein	14663		292	292.2						
292.51	316.23	Felsic to intermediate tuff 3-5% biotite, eyes, ash texture local silicification around quartz veins mottled silicification alteration around carbonate veinlets pyrite disseminated to 1%	8840		305	305.5	0.5	25	17	62	.2	1.97%

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evans Lake
 HOLE NO. EL-86-15 SHEET NO. 15

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE meters			Cu	Pb	Zn	Ag	Au	Na ₂ O
				FROM	TO	TOTAL							
316.23	316.94	Felsic tuff ash texture 3-5% biotite eyes sericitic											
316.94	318.78	Intermediate to felsic tuff ash texture <1% garnet to 3mm	14664	318	318.5								
318.78	321.26	Felsic tuff ash texture biotite eyes to 6mm; 3% sericitic pyrite to 3% trace cpy	14665	320	320.5								
321.26	323.88	Altered tuff sericitic schist sharp contact at 50° to core axis pyrite to 3%, locally to 5%											
323.88	327.89	felsic tuff biotite eyes 3-5% sericitic pyrite to 1%											
327.89	332.41	Felsic tuff (unit 3c-2) possibly reworked foliated biotite to 2% garnet to 2mm laminated	8841	330	330.5	.5	17	70	117	.2		.72%	

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Savant Evass Lake
 EL-86-2
 HOLE NO. _____ SHEET NO. 16

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE <i>meters</i>							
					FROM	TO	TOTAL					
332.41	341.50	Felsic tuff biotite eyes < 2% ash texture pervasive biotite veinlets silicified,,sericitic pyrite to 1% locally to 3% mottled alteration	14666		340.5	341						
341.5	360	Felsic to intermediate tuff ash texture garnet to 1% local lapilli weak sericite pyrite to 2% mottled, weak alteration	14667		358	358.9						
360		END OF HOLE										



LANGRIDGES - TORONTO - 366-1168

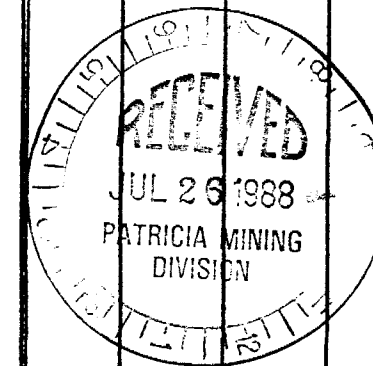
DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources
 HOLE NO. EL-86-6 LENGTH 609.76 M
 LOCATION _____
 LATITUDE L 17 + 25 S DEPARTURE 3 + 10 E
 ELEVATION _____ AZIMUTH 235° DIP -55
 STARTED October 8/86 FINISHED November 8/86

FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH
66	55	235	363	57	254
105	55	240	399	57	257
155	55	248	438	57	255
240	57	251	450	57	262
264	57	245	492	57	252
300	57	249	513	58	251
333	57	254			

609 57 252
 HOLE NO. EL-86-6 SHEET NO. 1
 REMARKS
Michael W. Leahy
 Blair Kite, David Gliddon
 LOGGED BY W. McCrindle, M. Leahy

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE								
					FROM	TO	TOTAL						
0	3.00	Overburden, casing											
3.00	38.30	Intermediate Tuff - Lapilli Tuff - grey colour - fragments locally to 15%, average 5-7% - 8 mm - 1 cm sized - foliated 42° to ca - 31.80 - 31.95 diffuse subhedral garnets - weakly silicified zones 4.05 - 4.32, 6.25 - 6.75 - hairline carbonate veins at random orientations between 11.00 - 26.00											
38.30	39.60	Felsic Tuff - fine grained, gradation contact - 7% diffuse ash sized fragments - weakly altered, local garnets and staurolite											
39.60	45.80	Felsic To Intermediate Tuff - grey in colour - gradational contact with above unit - distinct increase in mafic content - trace garnet, staurolite - 44.20 - 45.00 - quartz carbonate vein network with alteration halo											
45.80	55.30	Intermediate Tuff - Lapilli Tuff - fragments average 8 mm - lapilli rounded and matrix supported - foliation 42° to ca											



DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-6

SHEET NO. 2

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPHIDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
55.30	69.10	<ul style="list-style-type: none"> - carbonate veinlets, altered fragments - 48.00 - 52.00 subhedral garnets (1 cm) - 7% <p>Intermediate Tuff - Lapilli Tuff</p> <ul style="list-style-type: none"> - similar to preceding (45.80 - 55.30) - increased fragments 15 - 20% - carbonate alteration around fragments - foliation 42° to ca 									
69.10	123.85	<p>Intermediate Tuff - Lapilli Tuff</p> <ul style="list-style-type: none"> - grey to dark grey - 5.7% lapilli 4mm - mafic porphyroblasts 3-4 mm - foliation 45° to ca - local carbonate veins, quartz-carbonate veins (3 cm) from 104.90 - 108.50, weak to moderate carbonate alteration 110 - 122 - red and green halo associated with quartz carbonate veins at 99.8-115.50 - traces disseminated pyrite throughout section. cpy at 120.1 									
123.85	137.20	<p>Intermediate Tuff</p> <ul style="list-style-type: none"> - light grey colour - mottled appearance - gradation contact with preceding and grades to lapilli tuff 128.50 - 130.90 - siliceous and carbonate alteration of fragments 									
137.20	138.50	<p>Intermediate Ash Tuff (reworked)</p> <ul style="list-style-type: none"> - fine banding 0.5 - 1.0 cm - banding perpendicular to ca - gradational contact with preceding 									

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-6

SHEET NO. 3

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO.	% SULPH IDES	FOOTAGE			%	%	OZ TON	OZ TON
					FROM	TO	TOTAL				
138.50	142.35	Intermediate Tuff - similar to preceeding (123.85 - 137.20) - weak banding									
142.35	148.00	Felsic Tuff - grey green colour - biotite porphyroblasts - foliation 40° to ca - gradational contacts									
148.00	157.30	Felsic To Intermediate Lapilli Tuff - mainly felsic units - biotite porphyroblasts - weak carbonate alteration - 156.90 - 157.30 sericite alteration - weak foliation									
157.30	165.35	Intermediate Tuff - Lapilli Tuff - dark grey - weak foliation									
165.35	169.90	Intermediate to Felsic Tuff - local lapilli fragments									
169.90	193.93	Felsic Tuff - weakly defined foliation 45° to ca - local lapilli fragments - schistose and micaceous 189.00 - 191.50 - biotite alteration locally									

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-06

SHEET NO. 4

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS				
FROM	TO		NO.	% SULPHIDES	FOOTAGE		%	%	OZ TON	OZ TON
					FROM	TO				
193.93	197.36	Intermediate Tuff with feldspar porphyroblasts - porphyroblasts less than 2 mm in size gradational to fine grained - fine grained; dark grey - foliation indistinct 50° to ca - development of quartz-feldspars along foliation planes - porphyroblasts are subangular with minor carbonate alteration around grains. - at 194.33 Qtz-carb. stringer 15° to ca with light green alteration Lalos - occasional concentration of chlorite stringers - wisps of biotite throughout - carb. alterations along fractures - less than 1% disseminated py								
197.36	198.30	Breccia Zone - highly siliceous with chloritic fragments - numerous quartz-carb. stringers infilling fractures - light-medium grey; fine grained - occasional felsic fragments - microfaulted								
198.20	204.72	Intermediate to Felsic Tuff - gradational contact between medium to dark grey - fine grained matrix with inter. clasts - at 203.50 biotite inter. tuff clasts up to 3 cm in size - numerous wisps at biotitic composition at 30° to ca								
204.72	205.20	Intermediate Tuff (reworked) - fine grained; dark grey - foliation 35° to ca								

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources
 HOLE NO. EL-86-06 SHEET NO. 5

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS					
FROM	TO		NO	% SULPHIDES	FOOTAGE			%	%	GT TON	GT TON
				FROM	TO	TOTAL					
204.72	205.20	Intermediate Tuff (reworked) - fine grained; dark grey - foliation 35° to ca - contains grossular garnets (anhedral) less than 2 mm in size from 3-5% - biotite matrix									
209.80	211.40	Intermediate to Felsic Tuff - fine grained; light grey - local bleaching; siliceous - carb - talc stringers with alt. halos 10° to ca - quartz-ep stringer at opposite sense to foliation 45° to ca - less than 1% disseminated py									
211.40	213.05	Intermediate to Felsic Tuff - fine grained; medium grey - indistinctive foliation - about 212.95 fracture 10° to ca - similar to 209.80 - 211.40									
213.05	216.43	Intermediate to Felsic Tuff - similar to 209.80 - 211.40 - except appearance of grossular garnets which increase downhole - biotite - chl. rich clasts - quartz - carb. stringers 45° to ca									
216.43	218.44	Intermediate to Felsic Tuff - (same as 213.05 - 216.43) - garnets overprint chloritic altered porphyroblasts									
220.53	222.50	Intermediate Tuff (reworked?) - fine grained; light grey - intermittent banding (maybe exhalite?)									

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources
 HOLE NO. EL-86-6 SHEET NO. 6

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO	% SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - foliation 40 - 45° to ca - bands of grossular garnets less than 1 mm in size at top of section - abundant sericite alteration - quartz veins at 221.40 - 221.51 221.86 - 221.96 [minor Py] - less than 1% disseminated Py 											
222.50	231.13	Intermediate Tuff - similar to 220.53 - 222.50 - increase in biotite and decrease in sericite alt. - quartz-stringers @ 223.60 - 223.75 which crosscut foliation plunging N at 60° - discontinuous Py stringers - from 225.2 - 225.24 quartz vein with Py, Po - 1 - 3% disseminated Py	15003		225.10	225.13	0.03	60	2	12	.2	18	4
231.13	239.24	Intermediate Tuff - fine grained; dark grey - foliation 45° to ca - with continuous and discontinuous grossular garnet bands and introduction of almandine garnet less than 2 mm in size - occasional Py, Po stringers parallel to foliation with biotite increased at margins - 1 - 3% disseminated Py, minor Po	15004		233.60	234.10	0.50	32	3	9	.1	2	1
239.24	244.31	Intermediate Tuff - fine grained; dark grey - foliation 45° to ca - increase in biotite - from 239.24 - 239.30 ep: chl. - quartz vein - occasional grossular garnets - alt. halos at margins of quartz - carb. stringers - wisps of biotite along foliation planes increases downhole											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources
 HOLE NO. EL-86-06 SHEET NO. 7

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
244.31	253.66	Intermediate Tuff (brecciated) - medium grey, fine grained - foliation 45° to ca - abundant chl. alt - alignment of chl. fragments parallel to foliation - qtz vein with chl. fragments 70° to ca - occasional boudinaged qtz stringer - sulphide concentrate within intense ch. alteration - 1 - 3 % disseminated py, po grains 1-2 mm	15002		250.17	250.51	.34	50	6	21	.5	10	20
253.66	260.32	Intermediate Tuff - fine grained; medium grey - bleached at top of section - contains grossular and almandine garnets overprinting chl. - increase in biotite as wisps and minor clasts - 1 - 3 % disseminated py, po	15001		254.55	255.00	0.45	64	8	21	.3	11	37
260.32	262.58	Intermediate Tuff - same as 253.66 - 260.32 - except disappearance of garnets - from 261.40 - 261.50 py, po stringers											
262.58	266.88	Intermediate Tuff - fine grained; medium grey - foliation 45° to ca - bleached; silicified - minor sericite and chl. alt. - at 266.37 minor fold (hinge line perpendicular to foliation) with biotite - rich bands - 1 - 3% disseminated py											
266.88	270.00	Intermediate Tuff - fine grained; medium grey - foliation 45° to ca - wisps of biotite - rich clasts along foliation planes - wisps of py, po along foliation planes											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources
 HOLE NO. EL-86-6 SHEET NO. 8

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
270.00	277.85	Intermediate Tuff - fine grained; medium grey - foliation 45° to ca - siliceous with minor potassium alt. - minor sericite alt. - from 272.00 - 272.40 py, po (nodules?) up to 1.5 cm with biotite wrapping around - occasional chl. stringers - bi-chl. rich clasts @ 276.65 - 1 - 3% disseminated py, minor po	15005		277.00	277.85	0.85	44	3	13	.10	26	1
277.85	279.40	Intermediate Tuff - same as 270.00 - 277.85 - except increase in silica content - occasional chl. stringer with cone of py, minor po - less than 1 - 3% diss. py, minor po											
279.40	286.80	Intermediate Tuff (Lapilli Tuff) - fine grained matrix; medium grey - foliation 45° to ca - biotite rich and siliceous clasts up to 4 mm in size - occasional chl. stringers - qtz-chl. stringer from 282.70 - 282.83 @ 20° to ca - gradational contact increasing in silica downhole.											
286.80	305.30	Intermediate To Felsic Tuff (Brecciated) - 289.85 - 291.50 - fine grained; medium - light grey - foliation obiterated - highly silicified and altered - occasional chl. wisps along fractures - late stage qtz-carb. stringers (micro-faulting) - 3 - 5% diss. py, po and blebs.	15006		289.85	290.85	1.00	5	5	4	.6	11	7
			15007		290.85	291.50	0.65	5	7	4	.8	13	11

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DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

POLE NO. EL-86-6 SHEET NO. 9

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - 291.50 - 298.50 - (same as 289.85 - 291.50) - except not brecciated - lighter grey - less than 1 - 3% diss. py, po - 298.50 - 305.30 - (same as 291.50 - 298.50) - except appearance of grossular garnet, increasing downhole. - gradational contact zone - less than 1 % diss. py, po 											
305.30	329.43	<p>Intermediate Tuff (reworked?)</p> <ul style="list-style-type: none"> - fine grained; medium grey - foliation 45° to ca - increase in biotite content - abundant grossular garnet due to alteration and introduction of almandine garnet (primary?) - garnets are anhedral from 1 - 5 mm in size - qtz - carb. infilling along fractures with alt. halos at margins - qtz stringers 45° to ca (1 - 2 cm wide) - numerous chl. stringers with conc. of py, minor po @ <ul style="list-style-type: none"> 319.64 - 319.69 py 321.05 - 321.10 5 - 10% py, carb. 325.06 - 325.26 py, qtz. 326.50 - 326.52 carb. 326.59 - 326.85 cpy? py 327.60 - 327.84 sulphides conc. in coarser grained chl. - @ 327.60 carb. filled fracture 15° to ca - less than 1% diss. py, minor po 											
329.43	330.64	<p>Gradational Contact Intermediate Tuff</p> <ul style="list-style-type: none"> - medium grey; fine grained - foliation 45° to ca - decrease in garnet content to nil 											

DIAMOND DRILL RECORD

 NAME OF PROPERTY Evans Lake - Cumberland Resources

 HOLE NO. EL-86-6

 SHEET NO. 10

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - discontinuous chl. - rich layers - chl. - bi rich layers - 1 - 3% disseminated py, po conc. along foliation planes 											
330.64	334.75	Felsic Tuff (exhalite?) <ul style="list-style-type: none"> - fine grained; light grey - foliation 45° - 50° to ca - abundant sericite alt. forming after biotite - essentially recrystallized alt. forming after biotite - microfaulting of ch. filled fractures (right-lateral) - carb. filled fractures cross cut chl. fractures - qtz. stringer from 334.67 - 334.75 with py, po blebs - fine grained py within sericitic sections - 3 - 5% diss. py 	15008		329.43	330.43	1.00	63	10	46	.7	11	23
			15009		330.43	330.64	0.21	10	20	83	.4	13	5
			15010		330.64	332.09	1.35	4	2	11	.2	19	21
			15011		332.09	333.00	0.91	13	6	12	.6	8	23
			15012		333.00	334.75	1.75	2	3	8	.2	2	3
334.75	354.23	Intermediate Tuff <ul style="list-style-type: none"> - fine grained; medium grey - foliation 40° to ca - increase in biotite content - presence of almandine and grossular garnets up to 3 mm in size - occasional chl. - rich stringers with py, po from 334.93 - 334.95 335.23 - 335.37 - from 335.74 - 335.75 py, po stringer within chl. stringer - quartz vein perpendicular to ca @ 338.67 - 338.75 343.52 - 343.54 346.26 - 346.28 py, po blebs - 346.06 - 354.23 - decrease in garnet abundance with increase in alteration - from 352.79 - 352.85 qtz stringer perpendicular to ca - from 352.96 - 353.01 coarse grained chl. stringer 											
354.23	357.94	Felsic Tuff <ul style="list-style-type: none"> - fine grained; light grey - foliation 45° to ca - essentially recrystallized quartz (sugary texture) 											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-6

SHEET NO. 11

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	SULPH IDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - abundant sericite alt.; siliceous - numbered chl. filled fractures - qtz veins from 355.52 - 355.58 <li style="padding-left: 20px;">355.83 - 306.09 <li style="padding-left: 20px;">356.88 - 357.06 - 80° to ca with chl. at margins - 1% diss. py 											
357.94	361.80	<p>Intermediate To Felsic Tuff (crystal?)</p> <ul style="list-style-type: none"> - fine grained; med. grey - foliation 40 - 45° to ca - remnant quartz "eyes" up to 2 mm - occasional grossular and almandine garnets from less than 1 mm - 3 mm in size - wisps of biotite and chl. - rich seams parallel to foliation - very minor carb. filled fractures - mod. sericite alt. - 1 - 3% diss. py, minor po 											
361.80	363.15	<p>Intermediate Tuff</p> <ul style="list-style-type: none"> - fine grained; medium grey - foliation 45° to ca - occasional almandine garnets less than 3 mm in size along foliation planes. - increase in biotite downhole along foliation planes - minor sericite alt. - 1% diss. py 											
363.15	369.14	<p>Intermediate To Felsic (Lapilli) Tuff</p> <ul style="list-style-type: none"> - fine grained; light-med. grey - foliation 45° to ca - lapilli sized clasts increase in biotite content downhole - occasional almandine garnets less than 2 mm - moderate sericite alt. 											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-6

SHEET NO. 12

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO	SULPH IDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - chl. cone along fractures with minor py, po - occasional qtz "eyes" less than 1 mm - less than 1% diss. py 											
369.14	383.26	<p>Felsic Crystal Tuff (exhalite?)</p> <ul style="list-style-type: none"> - fine grained; light grey - foliation 45° to ca - numerous qtz "eyes" 1 - 3 mm in size - abundant biotite conc. along fractures - @ 369.14 chl. stringer with alt. halo at margins at 80° to ca - from 370.96 - 370.98 qtz - carb. parallel to foliation - quartz - chl. veins from 375.60 - 375.62 375.72 - 375.79 378.00 - 378.10 py, po 381.06 - 381.18 py, po 382.38 - 382.48 py, po 	15038		375.60	375.62	.02	32	9	31	.7	5	32
			15039		375.72	375.79	.07	5	4	.5	.1	3	1
			15040		376.00	377.00	1.00	3	9	26	.2	2	1
			15041		378.00	378.10	.10	14	16	8	.5	11	11
			15042		381.06	381.18	.12	31	21	72	3.8	8	9
			15043	3	382.38	382.48	.10	84	12	163	.9	8	10
		<ul style="list-style-type: none"> - qtz. - chl. veins 80° to ca - 1 - 3% diss. py 											
383.26	383.91	<p>Intermediate Tuff</p> <ul style="list-style-type: none"> - fine grained; medium to dark grey - foliation 45° to ca - increase in biotite content to 10% - discontinuous carb. filled fractures with minor sericite alt. - sharp contact @ 383.19 - 1% diss. py 											
383.91	384.87	<p>Felsic Tuff (exhalite?)</p> <ul style="list-style-type: none"> - (same as 369.14 - 383.26) - qtz- chl. vein from 384.53 - 384.62 - highly fractured with carb. infilling 											
384.87	387.26	<p>Intermediate Tuff</p> <ul style="list-style-type: none"> - fine grained; dark grey - foliation 45° to ca 											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-06

SHEET NO. 13

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO	% SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - increase in biotite content to 25% - brecciated fragments in carb. filled fractures - numerous quartz veins from: <ul style="list-style-type: none"> 385.94 - 386.02 386.33 - 386.43 386.76 - 386.88 387.02 - 387.17 with chl. conc. at margins 											
387.26	401.83	Intermediate Tuff (reworked?) <ul style="list-style-type: none"> - fine grained; medium grey - variable foliation - segregational layers of biotite - numerous micro-fractures infilled with carb. and chl. - biotite content to 15% - chl. - carb stringers with conc. of py, po <ul style="list-style-type: none"> 400.40 - 400.42 400.71 - 400.74 401.81 - 401.83 - 1 - 3% diss. py increasing downhole 											
401.83	403.72	Intermediate To Felsic Tuff <ul style="list-style-type: none"> - fine grained; medium grey - foliation indistinct due to numerous chl. - carb. stringers - stringers are continuous to discontinous - minor sericite alt. at bottom of section - 1 - 3% diss. py, minor po 	15013		402.33	403.33	1.00	15	14	53	1.5	10	10
403.72	408.60	Intermediate Tuff (reworked?) <ul style="list-style-type: none"> - fine grained; dark grey - foliation indistinctive - numerous almandine garnets up to 2 mm scattered throughout - occasional quartz "eyes" less than 2 mm - several hairline fractures infilled with carb. and have alt. halos at margins - 10 - 15% biotite content 											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-6

SHEET NO. 14

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE									
					FROM	TO					TOTAL			
		<ul style="list-style-type: none"> - quartz stringer @ 405.08 at 25% to ca - 1 - 2% diss py 												
408.60	409.80	<p>Intermediate To Felsic Tuff (exhalite?)</p> <ul style="list-style-type: none"> - sharp contact - fine grained; light grey - brecciated @ 408.73 with abundant sericite alt. and carb. - occasional almandine garnets less than 3 mm - numerous hairline fractures infilled with carb. - fine grained py cone in vuggy carb. stringers - 1 - 2% diss. py throughout - gradational contact downhole 												
409.80	411.08	<p>Intermediate Tuff (reworked?)</p> <ul style="list-style-type: none"> - (same as 403.72 - 408.60) - increase in garnet size to 5 mm and abundance - decrease in biotite content to 7% - appearance of grossular garnets less than 1 mm in size - @ 410.73 qtz stringer at 80° to ca - gradational contact 												
411.08	420.98	<p>Felsic Tuff (exhalite?)</p> <ul style="list-style-type: none"> - fine grained; light grey - essentially recrystallized quartz - moderate sericite alt. - from 417.60 - 418.27 subrounded quartz "eyes" up to 3 mm aligned parallel to foliation - occasional anhedral almandine garnets up to 1 cm - from 418.50 - 418.52 quartz - carb. stringer with grossular garnet at margins - less than 1% diss. py - gradational content downhole 												

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DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-6

SHEET NO. 15

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	SULPH IDES	FOOTAGE		Cu	Pb	Zn	Ag	As	Au	
					FROM	TO							TOTAL
420.98	428.96	Intermediate Tuff - similar to 403.72 - 408.60 - foliation 45° to ca - 15 - 20% biotite content with conc. along foliation planes - almandine garnet less than 2 mm scattered throughout - occasional hairline chl. - carb. filled fractures with alt. halos at margins - occasional biotite rich clasts up to 1 cm - from 425.70 - 426.40 decrease in biotite content and distortion in foliation - from 427.83 - 427.85 chl. stringer 80° to ca - 1 - 3% diss. py, very minor po											
428.96	445.30	Felsic Tuff (exhalite?) - very fine - fine grained; light grey - foliation 45° to ca - highly altered, siliceous - strong sericitic alt. - almandine garnets scattered throughout - less than 2 mm in size - numerous quartz "eyes" up to 1 cm - 5 - 7% diss. fine grained py throughout with occasional nodular py up to 1 cm in size - irregular fracture filled py, po hairline stringers - quartz veins from 429.18 - 429.20 434.04 - 434.05 436.98 - 437.03 - these veins are 60° to ca - from 441.97 - 441.99 qtz. - chl. stringers 442.02 - 442.05 - at 442.79 and 442.05 discontinuous py, po sphalerite stringers less than 1 mm in size	15014	5-7	428.96	430.11	1.15	33	135	152	2.6	3	2
			15015		430.11	431.31	1.20	28	5	4	2.0	4	9
			15016		431.31	432.51	1.20	11	5	56	1.0	2	2
			15017		432.51	433.69	1.18	7	4	44	1.1	2	1
			15018		433.69	435.00	1.31	10	6	19	3.4	2	4
			15019		435.00	436.00	1.00	10	8	28	3.2	3	4
			15020		436.00	437.00	1.00	9	11	11	3.1	7	7
			15021		437.00	438.00	1.00	21	8	11	2.8	6	13
			15022		438.00	439.00	1.00	11	6	39	2.0	6	8
			15023		439.00	440.00	1.00	8	6	58	1.9	4	13
			15024		440.00	441.00	1.00	5	5	722	.9	5	1
			15025		441.61	443.12	1.51	5	6	164	.9	4	2

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-6

SHEET NO. 16

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO.	% SULPHIDES	FOOTAGE		Cu	Pb	Zn	Ag	As	Au	
					FROM	TO							TOTAL
445.30	447.26	Intermediate To Felsic Tuff - fine grained; light grey - foliation 45° to ca - moderate sericite alteration - from 445.73 - 445.77 quartz vein 45° to ca - 3 - 5% diss. py - gradational downhole into more intermediate tuff with almandine garnets up to 2 mm in size	15026	3-5	445.30	446.00	0.70	6	6	8	.8	5	6
447.26	449.92	Intermediate Tuff (reworked?) - fine grained; medium grey - foliation 45° to ca - increase in biotite content to 5-10% - numerous almandine garnets less than 2 mm in size - occasional hairline carb. filled fractures - biotite and siliceous clasts up to 1 cm and wisps of biotite along foliation planes - from 450.03 - 450.07 quartz vein 60° to ca - 1 - 3% diss. py											
449.92	452.08	Felsic To Intermediate Tuff - fine grained; light grey - foliation 45° to ca											
449.92	452.08	Felsic To Intermediate Tuff - fine grained; light grey - foliation 45° to ca - sericite alteration - abundant quartz "eyes" - from 450.11 - 450.14 quartz vein 45° to ca - several hairline carb. filled fractures - from 450.79 - 450.82 ash tuff, siliceous; very fine grained, medium grey - 1 - 3% diss. py											
452.08	472.69	Intermediate To Felsic Tuff (reworked?)											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources
 HOLE NO. EL-86-6 SHEET NO. 17

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO.	% SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - fine grained; medium dark grey - foliation 45° to ca - increase in biotite content to 10% - carb. infilled fractures - occasional chl. stringers less than 1 cm wide - minor sericite alteration - numerous quartz "eyes" and biotitic clasts up to 2 cm elongated parallel to foliation - from 460.71 - 460.83 ash tuff - from 461.53 - 461.84 siliceous tuff - numerous almandine garnets less than 1 mm - at 469.22 py, po stringer parallel to foliation - increase in silicification and sericite from 471.63 - 472.69 											
472.69	477.07	Felsic Tuff <ul style="list-style-type: none"> - fine grained; light grey - foliation 45° to ca - decrease in biotite to 2% as clasts - highly sericitic with numerous quartz stringers - occasional anhedral almandine garnets less than 2 mm in size - at 474.52 py, po stringer - 1 - 3% diss. py 	15027		474.70	475.20	0.50	6	15	110	.3	5	2
			15028		475.20	475.92	0.50	13	11	279	1.9	5	4
477.07	479.00	Felsic Ash Tuff (exhalite?) <ul style="list-style-type: none"> - very fine grained; light grey - abundant sericite alt. especially along fractures - numerous carb. infilled fractures - poorly developed banding 45° to ca - highly siliceous - 3 - 5% diss. py 	15029	3-5	477.07	477.97	0.90	5	7	20	.4	6	5
			15030		477.97	478.97	1.00	5	5	20	.3	6	5
479.00	481.83	Felsic To Intermediate Tuff <ul style="list-style-type: none"> - fine grained; medium grey - foliation 45° to ca - local cone of sericite alt. 											

LANGRIDGES - TORONTO - 366-1168

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-06

SHEET NO. 18

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO	% SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - carb. - sericite filled fractures - biotite - rich sections 5 - 10% - 1% diss. py 											
481.83	484.42	Intermediate To Felsic Tuff <ul style="list-style-type: none"> - fine grained; medium dark grey - foliation 45° to ca - occasional biotite - amphibole rich sections up to 5 cm wide - occasional almandine garnets less than 1 mm - from 483.82 - 483.86 quartz vein 60° to ca - 10-15% biotite content - cone of sericite along fractures - infilled with carb. - less than 1% diss py 											
484.42	486.83	Intermediate Tuff (reworked?) <ul style="list-style-type: none"> - sharp contact 42° to ca - fine grained; dark grey - 15 - 20% biotite content - similar to 481.83 - 484.42 											
486.83	488.22	Intermediate to Felsic Tuff <ul style="list-style-type: none"> - fine grained; medium grey - foliation obiterated - numerous carb. filled fractures with alt. halos - minor sericite alt. - occasional almandine garnets less than 2 mm - 3 - 5% biotite content - less than 1% diss. py 											
488.22	505.05	Intermediate Tuff (reworked?) <ul style="list-style-type: none"> - fine grained; dark grey - foliation 45° to ca - 15 - 20% biotite content - similar to 484.42 - 486.83 - minor sericite alt. - occasional biotite - amphibole - quartz rich sections up to 7 cm wide with conc. of py, po 											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources
 HOLE NO. EL-86-06 SHEET NO. 19

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO	% SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		<ul style="list-style-type: none"> - occasional almandine garnets less than 2 mm - from 494.70 - 494.72 qtz-chl. stringer 488.92 - 488.95 qtz-chl. stringer - 1 - 3% diss py, minor po 											
505.05	506.38	Felsic Tuff (exhalite?) <ul style="list-style-type: none"> - fine grained; light grey - foliation 45° to ca - abundant sericite alt. - occasional wisps of chl. - bi elongated parallel to foliation - cone of almandine garnets in band from 505.83 - 505.94 - at 506.13 tuffaceous banding - 3 - 5% diss py 											
506.38	509.17	Intermediate To Felsic Tuff (reworked?) <ul style="list-style-type: none"> - fine grained; medium grey - foliation obiterated - highly fractured with carb. infilling - numerous almandine garnets less than 2 mm - 5 - 10% biotite content - minor sericite alt. - 1% diss py 											
509.17	511.07	Intermediate Tuff <ul style="list-style-type: none"> - same as 488.22 - 505.05 - coarse grained near bottom 											
511.07	515.84	Altered Intermediate Tuff <ul style="list-style-type: none"> - fine to medium grained - grey, green brown - alteration consists of chlorite quartz patches as follows: <ul style="list-style-type: none"> 512.30 - 512.57 512.66 - 512.70 512.74 - 512.80 											

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources
 HOLE NO. EL-86-06 SHEET NO. 20

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO	SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		bleaching along vein and stock work narrow vein (1 cm) - occasional development of almandine garnet - sericite alteration expressed by minor development of muscovite											
515.84	516.35	Intermediate Lapilli Tuff - individual muscovite (sericite) flake developed (.05 mm) - dark grey											
516.35	517.74	Intermediate Tuff - Lapilli tuff - grey - brown in colour - fg biotite and fracture controlled alteration - garnets developed in last 30 cm of unit											
517.74	521.07	Felsic Lapilli Tuff - sericitized throughout - disseminated Py mineralization - 1% max. 5% locally - 518.45 - 518.53 - quartz vein with Po acute angle to ca - 518.65 - 518.74 - quartz vein with po acute angle to ca - 520.30 - 520.44 - reworked intermediate material garnets 5% py - Sphalerite traces of talc stag. Fractures parallel to ca 520.00 with calcite veinlet, 520.90 - 1 mm thick calcite/sphalerite vein - sharp contact 45° to ca	5031		517.74	518.45	0.71	64	26	355	.9	2	9
			5032	3	518.45	519.00	0.55	477	105	428	2.0	2	295
			5033	1	519.00	520.00	1.00	49	20	1892	1.5	4	20
			5034	3	520.00	520.30	0.30	229	86	811	.5	2	41
			5035		520.44	521.07	0.53	106	36	551	1.1	4	6
521.07	522.06	Intermediate Tuff - grey brown - garnetiferous - chlorite patches											
522.06	526.33	Intermediate Tuff-Lapilli Tuff - green to brown - chlorite patches - altered											

DIAMOND DRILL RECORD

 NAME OF PROPERTY Evans Lake - Cumberland Resources

 HOLE NO. EL-86-06

 SHEET NO. 21

FOOTAGE		DESCRIPTION	SAMPLE			ASSAYS							
FROM	TO		NO	G.S. LPM IDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
526.33	527.92	Intermediate Lapilli Tuff - muscovite porphyroblasts - 526.60 - 527.10 - coarse grained muscovite and books of muscovite on quartz vein selvages - 20° to ca. Vein 2 cm wide - py within quartz vein											
527.92	528.45	Quartz Chlorite Zone - 3% sulphides - banded 45° to ca	15036	3	527.92	528.45	0.53	77	32	76	1.0	3	12
528.45	532.10	Intermediate Lapilli Tuff - chlorite - biotite alteration - bleaching along fractures - similar to 522.06 - 526.33											
532.10	535.92	Intermediate Tuff - network of fracture bleaching throughout section - fine biotite, purple - phlogopite alteration											
535.92	537.78	Reworked Intermediate Lapilli Tuff - faint network of fracture bleaching - almandine garnets throughout section 1-2 cm in size											
537.78	543.00	Intermediate Lapilli Tuff - grey in colour - narrow zones of bleaching along fractures - quartz vein 541.44 - 541.50 - 70° to ca - barren - 541.55 - 541.95 - calcite breccia zone - tr py											
543.00	545.65	Altered Intermediate Tuff - bleaching along fractures - chlorite veins parallel and crosscutting ca - quartz vein infilling with py	15037	3	545.40	545.65	0.25	62	18	67	1.2	6	6

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-06 SHEET NO. 22

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO	G. SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	AS	Au
					FROM	TO	TOTAL						
545.65	548.24	Intermediate Lapilli Tuff - colour varies from brown to grey - lighter colour associated with chlorite and carbonate zone - 546.80 - 546.90 - 15° to ca	15044	1-2	546.80	546.90	0.10	84	16	51	2.2	2	15
548.24	556.95	Intermediate Lapilli Tuff Garnetiferous - variation from brown to grey in colour - almandine garnets 5 mm 1 cm, retrograded around garnet 3 cm wides - sericite, chlorite, carbonate - bleaching along healed fractures - carbonate and quartz veins - sericite growth - 15% biotite - fine trace amounts brown crystals - sillmanite - chlorite - qtz patches - 549.86 - 550.24 553.50 - 553.70 553.83 - 553.85	15045	5	549.86	550.24	0.48	138	31	51	1.4	6	18
			15046	3	553.50	553.70	0.20	50	11	41	.7	2	12
			15047	3	553.83	553.85	0.02	282	22	38	2.4	5	16
556.95	566.00	Intermediate To Felsic Lapilli Tuff - brown to grey colour - bleaching along fractures - healed - silicia flooding 564.30 - 566.00 - some chlorite patches - fracture 10 - 20° to ca - silicia rich											
566.00	578.21	Intermediate Lapilli Tuff - brown to grey in odour - some chlorite carb. patches - less altered than other rocks											
578.21	588.90	Intermediate Lapilli Tuff - garnetiferous anhedral almandine 2 mm up to 5% - good chlorite veins, silicia bleaching, biotite, carbonate at following sections: 578.21 - 578.50 580.70 - 580.73 580.90 - 580.93	15048		585.67	587.00	1.33	64	11	56	.5	4	5
			15049		588.13	588.16	.03	114	14	131	1.0	2	13
			15050		588.44	588.48	.04	320	5	78	2.0	2	73

DIAMOND DRILL RECORD

NAME OF PROPERTY Evans Lake - Cumberland Resources

HOLE NO. EL-86-06 SHEET NO. 23

FOOTAGE		DESCRIPTION	SAMPLE				ASSAYS						
FROM	TO		NO	P. SULPHIDES	FOOTAGE			Cu	Pb	Zn	Ag	As	Au
					FROM	TO	TOTAL						
		581.82 - 582.00											
		583.13 - 583.17											
		583.51 - 583.57											
		585.67 - 587.00											
		587.15 - 587.19											
		587.32 - 587.35											
		588.13 - 588.16 - Po, Py 40° to ca											
		584.44 - 588.48 - Po, Py 40° to ca											
		- some sericite development											
588.90	589.15	Coarse chlorite - carbonate, silicia veins 45° to ca											
589.15	599.29	Intermediate Lapilli Tuff - dark to light grey in colour - fracture controlled high angle bleaching and some sericite development - barren qtz. vein 593.84 - 59.39 perpendicular to ca											
599.29	605.50	Intermediate Garnetiferous Lapilli Tuff - almandine garnets to 1.5 cm anhedral - alteration patches, bleaching, sericite surrounding garnets - bleaching around fractures 5 cm wide - garnet development alteration feature - thin sulphide veinlet at 599.29											
605.50	608.28	Intermediate To Felsic Lapilli Tuff - fracture control bleaching narrow - chlorite quartz with sulphides 606.44 - 606.49	15051	3	604.44	606.49	.05	59	40	134	7.0	42	480
608.28	609.76	Intermediate Lapilli Tuff - narrow alteration along fractures											
	609.76	End of Hole											

FILE 86-0870 GRID LOCATION

14515	L 22+00S	, 1+60E
14516	L 21+50S	, 1+00E
14517	L 16+50S	, 0+75E (POINT ON SUE LAKE)
14518	L 21+00S	, 0+20E
14519	L 16+50S	, 0+40E (1 st POINT ON SUE LAKE)
14520	L 16+00S	, 2+20W
14521	L 16+00S	, 1+20W
14522	L 16+00S	, 1+20W
14523	L 16+00S	, 4+00W
14524	L 20+00S	, 1+30E
14525	L 18+20S	, 0+00
14526	L 20+00S	, 1+20E
14527	L 15+00S	, 0+75W
14528	L 19+00S	, 2+00W
14529	L 23+15S	, 0+00
14530	L 22+30S	, 0+10W
14531	L 24+35S	, 2+00W



ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 4 1986

DATE REPORT MAILED: *June 9/86...*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

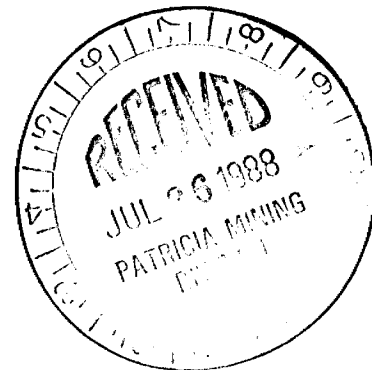
ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # 86-0870

PAGE 1

SAMPLE#	Cu PPM	Zn PPM	Ag PPM	Au* PPB	Na2O %
14515	3	53	.2	2	1.15
14517	6	13	.1	1	.95
14518	7	51	.2	3	1.35
14519	41	51	.1	1	.50
14520	5	16	.1	1	-
14521	20	3	.4	4	-
14523	87	4459	4.7	395	.70
14524	36	90	.1	1	1.05
14525	7	35	.2	3	1.05
14526	30	38	.1	9	.75
14527	39	48	.4	6	2.20
14528	22	12	1.1	52	.25
14529	8	44	.1	13	1.80
STD C/AU-0.5	62	130	7.1	510	-



SCME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED JULY 10 1986

DATE REPORTS MAILED

July 17/86

ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.

ASSAYER: *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

CUMBERLAND RESOURCES FILE# 86-1404

PAGE# 1

SAMPLE	Cu %	Zn %	Ag oz/t	Au oz/t
14531	.01	.01	.01	.001

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 28 1986

DATE REPORT MAILED: *Aug 1/86....*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL -BOXESH

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

CUMBERLAND RESOURCES

FILE # 86-1675

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Fe %
EL-2226	4	6	11	.1	.69
EL-2227	16	8	26	.1	1.86
EL-2228	16	6	30	.1	2.51
EL-2229	7	3	13	.1	.85
EL-2230	7	4	20	.1	1.91
EL-2231	11	10	35	.1	1.92
EL-2232	5	7	24	.3	1.71
EL-2233	9	4	29	.2	1.72
EL-2234	16	3	27	.1	1.25
EL-2235	4	4	17	.1	1.07
EL-2236	9	7	22	.1	2.18
EL-2237	3	3	12	.1	.56
EL-2238	7	3	11	.1	.84
EL-2239	9	3	22	.1	1.81
EL-2240	10	2	19	.1	1.28
EL-2241	2	5	14	.1	.89
EL-2242	2	9	44	.1	1.23
EL-2243	36	9	43	.2	3.06
EL-2244	7	6	15	.1	.80
EL-2245	2	3	10	.1	.30
EL-2246	4	2	15	.1	.66
EL-2247	10	3	18	.1	.99
EL-2248	11	3	19	.1	1.06
EL-2249	8	3	21	.1	1.04
EL-2250	15	3	32	.1	1.79
EL-2251	23	4	27	.1	1.28
EL-2252	5	5	13	.1	.88
EL-2253	12	5	23	.2	1.30
EL-2254	4	8	18	.1	.86
EL-2255	6	2	26	.1	1.68
EL-2256	14	5	18	.1	1.47
EL-2257	8	2	24	.1	1.32
EL-2258	7	7	21	.1	1.72
EL-2259	21	2	22	.1	1.42
EL-2260	8	5	14	.1	1.18
EL-2261	3	4	9	.1	.75
STD C	61	39	139	7.3	3.99

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Fe %
EL-2262	12	4	17	.1	1.10
EL-2263	7	8	23	.1	2.40
EL-2264	5	4	21	.1	.67
EL-2265	10	5	16	.1	1.38
EL-2266	14	3	20	.1	1.24
EL-2267	12	8	20	.1	2.20
EL-2268	15	4	21	.1	1.47
EL-2269	7	8	26	.1	1.66
EL-2270	2	4	16	.1	.48
EL-2271	14	7	39	.1	2.37
EL-2272	3	5	9	.1	.44
EL-2273	4	5	10	.1	.65
EL-2274	6	7	10	.1	1.06
EL-2275	5	4	11	.1	.85
EL-2276	8	5	17	.1	1.67
EL-2277	10	5	21	.1	1.51
EL-2278	19	3	25	.1	1.27
STD C	59	39	137	7.0	4.00

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JULY 28 1986

DATE REPORT MAILED: *Aug 1/86*.....

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .40 GRAM OF LiBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3. SAMPLE TYPE: ROCK CHIPS

ASSAYER: *D. Toy*...DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # 86-1675

PAGE 3

SAMPLE#	Na2O %
EL-3000	2.35
EL-3001	1.20
EL-3002	1.10
EL-3003	.50
EL-3004	.70
EL-3005	1.15
EL-3006	1.30
EL-3007	2.05
EL-3008	.95
EL-3009	1.85
EL-3010	1.95
EL-3011	1.30
EL-3012	.85
EL-3013	2.25
EL-3025	2.80
EL-3026	4.60
EL-3027	.85
EL-3028	.95
EL-3029	.75
EL-3030	.70
EL-3031	1.05
EL-3032	.55
EL-3033	1.85
EL-3034	.85
EL-3035	1.05
EL-3036	.65
EL-3037	1.65
EL-3038	2.35
EL-3039	1.00
EL-3040	.80
EL-3041	.60
EL-3042	3.40
EL-3043	.30
EL-3044	.55
EL-3045	.95
EL-3046	.65
STD SD-4	1.40

✓

SAMPLE#	Na2O %
EL-3047	.60
EL-3048	.90
EL-3049	2.05
EL-3050	1.15
EL-3051	.35
EL-3052	.35
EL-3053	.55
EL-3054	.25
EL-3055	1.05
EL-3056	.85
EL-3057	.65
EL-3058	.75
EL-3059	2.20
EL-3060	3.65
EL-3061	2.20
EL-3062	2.20
EL-3063	1.30
EL-3064	.70
EL-3065	.20
EL-3066	.25
EL-3067	.55
EL-3068	1.05
EL-3069	1.00
EL-3070	1.45
EL-3071	.75
EL-3072	.75
EL-3073	.60
EL-3074	1.05
EL-3075	.30
EL-3076	.35
EL-3077	.85
EL-3078	3.65
EL-3079	2.00
EL-3080	.65
EL-3081	.25
EL-3082	.55
STD 90-4	1.40

SAMPLE#	Na2O %
EL-3083	.60
EL-3084	2.85
EL-3085	1.90
EL-3086	1.65
EL-3087	1.10
EL-3088	.70
EL-3089	4.15
EL-3090	1.85
EL-3091	3.90
EL-3092	2.00
EL-3093	1.95
EL-3094	.50
EL-3095	.55
EL-3096	.55
EL-3097	.70
EL-3098	.70
EL-3099	2.30
EL-3100	1.50
EL-3101	1.80
EL-3102	.35
EL-3103	.30
EL-3104	2.00
EL-3105	.40
EL-3106	1.60
EL-3107	.65
EL-3108	3.90
EL-3109	5.35
EL-3110	2.45
EL-3111	2.70
EL-3112	4.60
EL-3113	4.30
EL-3114	3.95
EL-3115	1.25
EL-3116	2.75
EL-3117	2.25
EL-3118	1.65
STD SO-4	1.35

SAMPLE#	Na2O %
EL-3119	1.50
EL-3120	4.00
EL-3121	3.55
EL-3122	.75
EL-3123	3.50
EL-3124	3.40
EL-3125	1.85
EL-3126	.30
EL-3127	.25
EL-3128	1.15
EL-3129	.85
EL-3130	3.70
EL-3131	2.95
EL-3132	3.50
EL-3133	2.85
EL-3134	4.05
EL-3135	1.50
EL-3136	1.10
EL-3137	3.95
EL-3138	1.15
EL-3139	.85
EL-3140	1.55
EL-3141	4.50
EL-3142	4.80
EL-3143	5.85
EL-3144	3.45
EL-3145	3.40
EL-3146	2.75
EL-3147	2.45
EL-3148	3.20
EL-3149	.35
EL-3150	.30
EL-3151	.30
EL-3152	.45
EL-3153	1.25
EL-3154	2.05
STD SO-4	1.40

SAMPLE#	N ₂ O %
EL-3155	3.00
EL-3156	2.95
EL-3157	1.70
EL-3158	2.50
EL-3159	2.15
EL-3160	.30
EL-3161	.80
EL-3162	1.10
EL-3163	.50
EL-3164	1.30
EL-3165	1.65
STD SD-4	1.40

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 1 1986

DATE REPORT MAILED:

Aug 7/86

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU: ANALYSIS BY AA FROM 10 GRAM SAMPLE. NA20 BY WHOLE ROCK ICP.

ASSAYER: *D. J. Jeyar* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # 86-1B00

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB	Na20 %
14532	57	6	68	.1	4	1	3.35
14533	88	8	55	.1	13	9	3.85
14534	37	9	83	.1	5	1	2.35
14535	70	6	27	.2	2	2	-
14536	23	9	63	.1	10	1	-
14537	80	5	26	.2	45	1	-
14538	57	11	64	.4	13	1	-
14539	53	7	6	.4	55	1	-
14540	18	6	8	.3	34	1	-
14541	22	3	55	.7	41	1	-
14542	16	5	3	.3	34	1	-
14543	32	2	5	.3	62	1	-
14544	24	8	60	.3	30	1	-
14545	12	12	37	.2	8	1	-
14546	14	5	13	.5	20	1	-
14547	12	8	61	.3	7	1	-
14548	4	6	40	.2	12	1	-
14549	8	8	4	.1	6	1	-
14550	18	9	3	.1	6	1	-
14551	27	13	51	.3	9	1	-
14552	19	11	30	.3	38	7	-
14596	22	11	199	10.6	7	1	-
14597	36	15	157	13.8	5	1	-
14598	29	39	228	10.3	10	1	-
14599	11	16	179	5.3	4	1	-
14600	12	11	185	11.0	3	1	-
14601	36	13	487	10.4	8	2	-
14602	15	8	408	3.3	8	1	-
14603	50	9	1050	4.2	12	1	-
14604	34	8	321	3.3	8	1	-
14605	21	16	67	9.9	2	2	-
14606	14	30	73	3.4	5	1	-
14607	11	40	110	1.3	10	1	-
14608	9	41	112	.6	3	1	-
14609	10	48	163	.8	7	1	-
14610	12	39	155	1.4	6	6	-
STD C/AU-0.5	60	39	136	7.1	38	515	-

CUMBERLAND RESOURCES

FILE # 86-1800

PAGE 2

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB	Na2O %
14611	19	43	156	2.0	9	5	-
14612	25	14	119	2.2	6	3	-
14613	21	319	255	1.5	7	2	-
14614	20	92	57	1.1	3	1	-
14615	30	9	62	1.6	3	7	-
14616	15	13	104	2.4	6	3	-
14617	16	42	101	2.0	10	8	1.35
14618	58	39	177	.7	10	6	-
14619	132	60	190	2.2	7	9	-
14620	40	28	284	3.2	6	13	1.45
STD C/AU-0.5	57	42	134	7.0	42	500	-

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: AUG 14 1986

DATE REPORT MAILED: *Aug. 19/86..*

GEOCHEMICAL ICP ANALYSIS

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

ASSAYER: *D. Deane* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # B6-2054

PAGE

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
14553	54	12	130	.2	2	2
14554	8	4	92	.1	4	1
14556	5	9	19	.1	24	1
14557	29	6	10	.1	33	3
14558	63	2	40	.7	26	5
14559	18	5	4	.3	28	3
14560	52	13	116	1.9	43	6
14561	24	9	11	2.1	49	1
14562	83	15	24	.9	38	3
14563	29	9	160	.7	11	15
14565	12	14	67	1.0	2	12
14566	51	20	143	2.0	3	6
14567	19	40	154	1.9	4	1
14568	33	19	111	2.1	6	6
14569	43	17	71	.8	2	1
14570	11	13	69	.8	9	1
14572	98	179	1472	87.4	9	190
14573	15	21	69	.9	2	1
14574	15	26	92	1.0	4	1
14575	45	23	106	1.1	2	1
14577	4	13	29	.9	2	3
14578	42	24	169	50.6	4	6
14579	19	15	127	4.7	2	2
14580	34	13	270	23.3	2	4
14581	30	44	176	22.3	3	5
14582	53	263	2420	184.9	14	6
14583	66	2416	9296	387.4	21	235
14584	27	16831	21641	369.3	13	37
14585	58	117	1142	35.8	6	4
14586	30	84	343	13.2	3	3
14587	64	35	794	21.6	10	5
14588	30	47	361	10.7	33	3
14589	48	98	328	32.7	14	7
14590	19	30	251	5.5	2	1
14591	47	10	64	9.4	3	6
14592	26	57	220	4.6	6	1
STD C/AU-0.5	61	43	142	7.3	40	510

— Assay required for correct result for Ag > 24 PPM Pb > 10 ppm

CUMBERLAND RESOURCES

FILE # B6-2054

PAGE

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB	✓
14593	45	38	796	5.8	2	1	
14594	77	57	388	6.6	2	6	
14595	49	50	275	10.9	2	2	
14623	41	7	52	.2	2	8	
14625	68	9	88	.3	6	15	
14626	31	8	31	.2	30	2	
14627	27	11	55	.1	8	1	
14628	35	10	53	.2	4	1	
14629	26	15	67	.2	20	18	
14630	31	10	93	.1	3	2	
14631	16	11	58	.1	10	6	
14632	34	15	42	.1	5	8	
14633	22	11	72	.4	32	5	
14634	16	8	23	.1	37	13	
14635	45	11	54	.3	21	10	
14636	40	9	91	.2	50	2	
14637	25	4	32	.2	21	13	
14638	47	6	22	.2	44	15	
14639	53	15	48	.2	73	6	
14640	25	7	49	.2	97	9	
14641	15	7	64	.3	54	1	
14642	49	11	125	.1	53	1	
14643	30	12	59	.3	56	1	
14644	3	3	52	.1	2	1	
14645	47	6	110	.3	63	2	
14646	10	6	70	.1	38	1	
14647	2	5	10	.1	38	1	
14648	68	6	75	.4	43	4	
14649	7	7	49	.1	52	2	
14650	19	13	99	.3	71	3	
14651	55	8	129	.5	111	1	
14652	12	7	80	.2	60	2	
14653	4	5	21	.1	54	1	
14654	13	5	38	.1	41	2	
14655	18	2	73	.1	19	1	
14656	32	6	29	.2	44	4	
STD C/AU-0.5	61	43	140	7.2	38	500	

CUMBERLAND RESOURCES

FILE # 86-2054

PAGE

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
14657	27	15	136	.3	2	3
14658	31	31	404	1.8	3	60
14659	21	20	72	.4	8	1

SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Au* ppb	Na2O %
14555	45	7	33	.2	25	1	.83
14564	133	5	20	.3	52	11	2.56
14571	-	-	-	-	-	-	.23
14576	-	-	-	-	-	-	.61
14621	-	-	-	-	-	-	1.98
14622	-	-	-	-	-	-	3.78
14624	-	-	-	-	-	-	1.97
14660	-	-	-	-	-	-	1.64
14661	-	-	-	-	-	-	1.31
14662	-	-	-	-	-	-	2.21
14663	-	-	-	-	-	-	.49
14664	-	-	-	-	-	-	.61
14665	-	-	-	-	-	-	.79
14666	-	-	-	-	-	-	.35
14667	-	-	-	-	-	-	.60

ACME ANALYTICAL LABORATORIES LTD.
B52 E. HASTINGS, VANCOUVER B.C.
FH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED AUG 20 1986

DATE REPORTS MAILED

Aug 22/86

ASSAY CERTIFICATE

SAMPLE TYPE : PULF

ASSAYER: *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

CUMBERLAND RESOURCES FILE# 86-2054 R

PAGE# 1

SAMPLE	Zn %	Ag oz/t
14582	.23	4.01
14583	.92	57.97
14584	2.14	20.79

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 4 1986

DATE REPORT MAILED: *Sept 8/86*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES PROJECT-EVANS LAKE FILE# 86-2452 PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM
8709	72	38	199	1.8	9
8710	63	403	24287	5.3	80
8711	17	35	2252	.9	73
8712	44	18	317	.7	52
8713	22	9	19	.5	36
8714	36	8	64	.6	34
8715	64	10	51	.7	40
8716	105	13	265	1.6	6
8717	47	38	169	1.2	4
8718 ✓	31	38	56	.8	35
8719	59	130	72	1.4	33
8720	45	55	125	1.7	51
8721 ✓	40	32	74	1.3	9
8722	108	98	5903	1.8	63
8723 ✓	30	29	63	1.2	16
8724 ✓	25	17	117	.4	2
8725 ✓	10	7	94	.2	2
8726 ✓	13	11	44	.3	2
8727 ✓	5	9	47	.2	2
8728 ✓	50	8	68	.6	2
8729 ✓	38	8	43	.7	2
8730 ✓	52	10	73	.5	6
8731 ✓	52	9	54	.3	11
8732 ✓	61	8	67	.2	2
8733 ✓	60	8	19	.1	49
8734 ✓	27	7	44	.2	17
8735 ✓	23	9	65	.2	5
8736 ✓	9	2	13	.1	4
8737 ✓	29	6	38	.2	18
8738 ✓	17	5	18	.2	7
8739 ✓	98	4	786	.6	5
8740 ✓	87	6	55	.7	7
8741 ✓	16	3	59	.2	5
8742 ✓	22	7	42	.5	5
8743 ✓	17	8	38	.7	8
8744	29	8	139	.8	21
STD C	59	44	137	7.1	42

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM
8745 ✓	50	16	57	.9	74
8746 ✓	53	16	56	1.2	70
8747 ✓	155	10	43	1.4	16
8748 ✓	111	7	20	1.3	8
8749 ✓	155	7	10	1.3	5
8750 ✓	70	8	8	.5	2
8751 ✓	3	5	1	.1	3
8752 ✓	10	3	2	.1	2
8753 ✓	93	6	5	.7	3
8754 ✓	59	3	30	.3	4
8755 ✓	33	2	40	.2	3
8756 ✓	40	4	30	.1	2
8757 ✓	48	2	71	.1	2
8758 ✓	14	3	38	.1	2
8759 ✓	36	2	52	.3	2
8760 ✓	21	5	5	.2	2
8761 ✓	7	5	28	.1	2
8762 ✓	17	4	3	.1	4
8763 ✓	94	8	35	.7	4
8764 ✓	39	8	27	.3	3
8765 ✓	54	5	43	.3	2
8766 ✓	39	7	50	.3	13
8767 ✓	55	8	45	.2	12
8768 ✓	40	4	51	.1	7
8769 ✓	44	5	33	.4	16
8770 ✓	102	11	38	1.0	16
8771 ✓	3	5	3	.1	2
8772 ✓	5	6	5	.1	3
8773 ✓	31	8	6	.1	11
8774 ✓	15	4	12	.1	7
8775 ✓	48	6	28	.2	4
8776 ✓	4	3	2	.1	4
8777 ✓	2	3	1	.1	2
8778 ✓	3	5	4	.1	4
8779 ✓	2	4	5	.2	2
8780 ✓	125	8	50	.4	7
STD C	59	39	136	7.1	37

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM
8781✓	215	14	64	.9	14
8782✓	81	11	64	.4	9
8783✓	3	3	15	.1	2
14668✓	29	4	59	.1	7
14669✓	123	9	79	.5	2
14670	110	8	35	.6	2
14671	197	17	66	.8	8
14672	11	3	40	.1	14
14673	30	6	10	.2	19
14674	42	5	34	.2	27
14675	29	7	45	.1	20
14677	33	5	70	.2	2
14678✓	47	6	58	.4	14
14679✓	37	9	31	.3	17
14680✓	60	9	22	.3	21
14681✓	16	5	18	.2	24
14682✓	29	8	9	.3	25
14683✓	46	2	62	.4	21
14684	49	8	50	.2	24
14685	42	5	35	.3	22
14686✓	35	7	55	.3	19
14687	29	7	94	.4	20
14688	62	7	89	.4	17
14689✓	28	10	37	.3	26
14690	31	10	205	.6	18
14691	29	9	43	.2	27
14692✓	8	4	38	.1	18
14693	3	9	36	.2	4
14694	17	11	21	.2	22
14695✓	14	10	30	.3	25
14696	9	11	8	.7	26
14697	16	10	41	.4	11
14698✓	19	9	37	.8	35
14699✓	60	28	627	1.8	141
STD C	60	44	140	7.3	44

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM
3020	5	9	25	.2	3
3021	20	9	49	.2	2
3022	9	9	43	.3	2
3023	6	3	8	.1	2
3024	7	4	34	.2	2

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS, VANCOUVER B.C.
 PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED SEPT 13 1986

DATE REPORTS MAILED *Sept 22/86*

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : CORE - CRUSHED AND PULVERIZED TO -100 MESH.
 Au# - 10 GM.IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

CUMBERLAND RESOURCES FILE# 86-2636

PAGE# 1

SAMPLE	Cu ppmm	Pb ppm	Zn ppm	Ag ppm	Au# ppb	Na2O %
8784	34	7	47	.2	1	-
8785	2	2	14	.1	1	-
8786	-	-	-	-	-	.80
8787	33	9	73	.2	7	-
8788	62	7	42	.4	18	-
8789	37	11	58	.3	1	-
8790	-	-	-	-	-	.79
8791	55	9	53	.5	7	-
8792	-	-	-	-	-	.98
8793	30	6	52	.1	1	-
8794	-	-	-	-	-	2.36
8795	25	8	73	.5	1	-
8796	-	-	-	-	-	2.01
8797	3	6	32	.2	1	-
8798	-	-	-	-	-	.59
8799	80	16	171	.6	5	-
8800	-	-	-	-	-	.59
8822	32	157	99	3.0	16	-
8823	3	6	8	.1	1	-
8824	56	15	66	1.0	3	-
8825	-	-	-	-	-	1.66
8826	43	9	63	.4	10	-
8827	27	17	20	1.3	15	2.12
8828	17	20	31	.9	10	1.05
8829	34	23	74	.9	8	.76
8830	28	26	129	.9	11	.96
8831	29	18	70	1.1	9	1.04
8832	5	17	21	1.2	13	1.14
8833	13	11	101	.4	1	1.31
8834	9	10	46	.3	2	.92
8835	36	15	80	.5	1	1.45
8836	33	8	37	.4	5	1.32
8837	17	7	70	.2	6	1.04
8838	32	16	68	.4	1	1.31
8839	28	14	79	.4	1	1.52
8840	25	17	62	.2	1	1.97

CUMBERLAND RESOURCES

FILE # 86-2636

PAGE 2

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB	Na2O %
8841	17	70	117	.2	1	.72
8842	32	8	64	.3	1	1.11
8843	49	25	135	.9	1	.43
8844	23	5	43	1.2	1	.26
8845	3	22	41	.5	1	.72
8846	2	8	35	.1	1	.83
8847	6	25	84	.1	1	.55
8848	11	23	46	.2	2	.31
8849	6	14	45	.2	1	.36
8850	5	17	70	.1	1	.43
STD C/AU-R	63	42	139	6.9	500	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 22 1986

DATE REPORT MAILED: *Sept 26/86*

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.

- SAMPLE TYPE: ROCK CHIPS

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES FILE # 86-2789

PAGE 1

SAMPLE#	Na2O %
EL-3165	.95
EL-3166	2.70
EL-3167	3.75
EL-3168	2.20
EL-3169	4.85
EL-3170	2.80
EL-3171	2.95
EL-3172	.15
EL-3173	3.35
EL-3174	3.65
EL-3175	1.25
EL-3176	2.60
EL-3178	.85
EL-3179	2.05
EL-3180	3.60
EL-3181	2.00
EL-3182	3.05
EL-3183	.40
EL-3184	1.60
EL-3185	2.55
EL-3186	2.15
EL-3187	4.20
EL-3188	3.15
EL-3189	.80
EL-3190	2.50
EL-3191	2.15
EL-3192	2.00
EL-3193	3.60
EL-3194	.80
EL-3195	1.70
EL-3196	2.50
EL-3197	2.90
EL-3198	1.30
EL-3199	.70
EL-3200	5.90
EL-3201	1.25
STD 50-4	1.35

SAMPLE#	Ns20 %
EL-3202	2.40
EL-3203	6.15
EL-3204	4.15
EL-3205	1.85
EL-3206	2.10
EL-3207	1.75
EL-3208	4.15
EL-3209	1.95
EL-3210	1.05
EL-3211	1.25
EL-3212	.20
EL-3213	2.90
EL-3214	4.30
EL-3215	2.35
EL-3216	1.20
EL-3217	2.00
EL-3218	1.15
EL-3219	2.15
EL-3220	2.30
EL-3221	2.45
EL-3222	3.70
EL-3223	1.10
EL-3224	3.25
EL-3225	2.85
EL-3226	1.45
EL-3227	2.10
EL-3228	2.90
EL-3229	1.60
EL-3230	1.10
EL-3231	2.50
EL-3232	2.25
EL-3233	.70
EL-3234	6.10
EL-3235	4.10
EL-3236	.70
EL-3237	.70
STD 80-4	1.35

SAMPLE#	Na2O %
3238	1.10
3239	2.20
3240	3.60
3241	.95
3242	2.00
3243	.55
3244	1.45
3245	1.80
3246	4.15
3247	.85
3248	.75
3249	1.05
3250	.65
3251	.80
3252	.65
3253	.95
3254	.30
3255	1.05
3256	3.00
3257	1.60
3258	2.00
3259	1.15
3260	1.15
3261	.15
3262	.85
3263	1.30
3264	1.50
3265	1.15
3266	2.10
3267	2.40
3268	1.75
3269	2.20
3270	2.20
3271	1.35
3272	1.60
3273	4.85
3274	4.40
STD SO-4	1.40

SAMPLE#	Na2O %
EL-3275	2.45
EL-3276	1.65
EL-3277	2.25
EL-3278	1.45
EL-3279	1.35
EL-3280	.05
EL-3281	.20
EL-3282	1.40
EL-3283	2.85
EL-3284	2.30
EL-3285	.65
EL-3286	.35
EL-3287	.40
EL-3288	.80
EL-3289	2.05
EL-3290	1.70
EL-3291	3.10
EL-3292	2.00
EL-3293	3.25
EL-3294	3.20
EL-3295	2.90
EL-3296	2.65
EL-3297	2.65
EL-3298	1.90
EL-3299	1.45
EL-3300	2.50
EL-3304	2.20
EL-3305	2.55
EL-3306	4.30
EL-3307	3.30
EL-3308	.50
EL-3309	2.25
EL-3310	.65
EL-3311	2.85
EL-3312	2.65
EL-3313	2.55
STD 50-4	1.35

SAMPLE#	Na2O %
EL-3314	2.05
EL-3315	2.25
EL-3316	2.70
EL-3317	3.60
EL-3318	3.50
EL-3319	2.30
EL-3320	3.05
EL-3321	4.20
EL-3322	2.40
EL-3323	.75
EL-3324	1.85
EL-3325	3.35
EL-3326	1.60
EL-3327	1.85
EL-3328	3.65
EL-3329	4.55
STD 90-4	1.45

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 18 1986

DATE REPORT MAILED:

Sept. 26/86

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: PULP

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER.

CUMBERLAND RES

PROJECT-EVANS LAKE FILE# 86-2452R

PAGE 1

SAMPLE#	Nb2O %
8720	.85
8725	.75
8728	.90
8732	1.60
8734	1.25
8736	1.25
8737	1.25
8738	1.95
8757	1.25
8758	2.35
8759	1.75
8760	.30
8761	1.90
8762	.70
8771	.85
14668	2.85
14669	1.25
14674	.85
14680	1.55
14689	.75
14694	.45
14698	.65
14699	.70
3020	1.20
3021	1.35
3022	1.25
3023	1.05
3024	.95
STD SQ-4	1.35

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 18 1986

DATE REPORT MAILED: *Sept. 26/86...*

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.

- SAMPLE TYPE: PULP

ASSAYER: *Dean Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER.

CUMBERLAND RES

FILE # 86-1800 R

PAGE 1

SAMPLE#	N _B 20 %
14542	.15
14547	1.05
14551	.75
STD 50-4	1.35

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 18 1986

DATE REPORT MAILED: *Sept 26/86*.....

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.

- SAMPLE TYPE: PULP

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RES

FILE # 86-2054 R

PAGE 1

SAMPLE#	Na2O %
14557	.35
14569	1.00
14573	.70
14625	1.40
14630	1.60
14638	1.10
14648	.50
14654	.75
14659	1.00
STD 90-4	1.30

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 18 1986

DATE REPORT MAILED:

Sept. 26/86.

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO₂ AND IS DISSOLVED IN 50 ML 5% HNO₃.
- SAMPLE TYPE: PULP

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RES

FILE # 86-2636 R

PAGE 1

SAMPLE#	Na ₂ O %
8784	.85
8787	1.40
8789	1.30
8795	1.25
8822	1.35
STD 50-4	1.35

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: SEPT 22 1986

DATE REPORT MAILED: *Oct 2/86*.....

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.

- SAMPLE TYPE: PULP

ASSAYER: *Al. Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # 86-1675 R

PAGE

SAMPLE#	Na2O %	Cu PPM	Zn PPM
EL-3001	1.20	6	56
EL-3002	1.10	5	75
EL-3003	.50	5	50
EL-3004	.70	18	61
EL-3005	1.15	10	50
EL-3006	1.30	38	54
EL-3008	.95	9	50
EL-3011	1.30	11	52
EL-3012	.85	11	94
EL-3027	.85	15	50
EL-3028	.95	33	50
EL-3029	.75	5	50
EL-3030	.70	32	51
EL-3031	1.05	8	51
EL-3032	.55	7	54
EL-3034	.85	61	58
EL-3035	1.05	5	50
EL-3036	.65	6	50
EL-3039	1.00	19	50
EL-3040	.80	5	50
EL-3041	.60	5	50
EL-3043	.30	9	50
EL-3044	.55	14	86
EL-3045	.95	5	53
EL-3046	.65	74	112
STD SD-4	1.40	23	91

SAMPLE#	Na2O %	Cu PPM	Zn PPM
EL-3047	.60	40	247
EL-3048	.90	67	108
EL-3050	1.15	76	159
EL-3051	.35	16	92
EL-3052	.35	66	105
EL-3053	.55	17	50
EL-3054	.25	8	50
EL-3055	1.05	28	64
EL-3056	.85	41	52
EL-3057	.65	7	50
EL-3058	.75	6	57
EL-3063	1.30	55	130
EL-3064	.70	37	50
EL-3065	.20	5	71
EL-3066	.25	8	81
EL-3067	.55	10	50
EL-3068	1.05	11	50
EL-3069	1.00	6	50
EL-3070	1.45	13	55
EL-3071	.75	5	50
EL-3072	.75	5	50
EL-3073	.60	5	50
EL-3074	1.05	59	65
EL-3075	.30	64	181
EL-3076	.35	54	113
EL-3077	.85	5	50
EL-3080	.65	9	52
EL-3081	.25	31	206
EL-3082	.55	10	50
STD SD-4	1.40	25	95

SAMPLE#	Na2O %	Cu PPM	Zn PPM
EL-3083	.60	73	50
EL-3087	1.10	14	61
EL-3088	.70	9	50
EL-3094	.50	9	59
EL-3095	.55	9	65
EL-3096	.55	13	114
EL-3097	.70	21	50
EL-3098	.70	10	50
EL-3100	1.50	12	67
EL-3102	.35	9	50
EL-3103	.30	9	50
EL-3105	.40	80	50
EL-3107	.65	10	50
EL-3115	1.25	136	211
STD SO-4	1.35	26	88

SAMPLE#	Na2O %	Cu PPM	Zn PPM
EL-3119	1.50	9	88
EL-3122	.75	9	60
EL-3126	.30	111	165
EL-3127	.25	23	60
EL-3128	1.15	37	73
EL-3129	.85	16	60
EL-3135	1.50	9	60
EL-3136	1.10	9	99
EL-3138	1.15	24	81
EL-3139	.85	9	60
EL-3149	.35	9	62
EL-3150	.30	9	76
EL-3151	.30	9	60
EL-3152	.45	9	60
EL-3153	1.25	9	60
STD SD-4	1.40	22	96

SAMPLE#	Na2O %	Cu PPM	Zn PPM
EL-3160	.30	6	56
EL-3161	.80	66	50
EL-3162	1.10	5	50
EL-3163	.50	26	122
EL-3164	1.30	6	51
STD SD-4	1.40	24	90

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: OCT 1 1986

DATE REPORT MAILED:

Oct 8/86
.....

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO₂ AND IS DISSOLVED IN 50 MLS 5% HNO₃.

SAMPLE TYPE: ROCK CHIPS

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # B6-2970

PAGE 1

SAMPLE#	Na2O %
EL-3500✓	3.05
EL-3501✓	3.20
EL-3502✓	3.60
EL-3503	3.35
EL-3504	3.85
EL-3505	4.25
EL-3506✓	3.75
EL-3507	3.65
EL-3508	3.15
EL-3509	3.50
EL-3510	2.40
EL-3511	3.60
EL-3512	.65
EL-3513	4.30
EL-3514	3.50
EL-3515	3.55
EL-3516	3.95
EL-3517	3.40
EL-3518	4.15
EL-3519	2.55
EL-3520	1.65
EL-3521	2.25
EL-3522	.05
EL-3523	2.65
EL-3524	2.40
EL-3525	2.80
EL-3526	.45
EL-3527	2.00
EL-3528	2.60
EL-3529	3.40
EL-3531	3.55
EL-3532	4.70
EL-3533	4.50
EL-3534	2.40
EL-3535	1.50
EL-3536	3.85
STD 90-4	1.35

SAMPLE#	Na20 %
EL-3537	4.30
EL-3538	1.85
EL-3539	2.00
EL-3540	2.35
EL-3541	1.85
EL-3542	3.55
EL-3543	1.60 ?
EL-3544	2.80
EL-3545	1.30
EL-3546	4.20
EL-3547	4.15
STD SD-4	1.40

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: NOV 13 1986

DATE REPORT MAILED: *Nov 18/86*

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEAD IS PARTIAL FOR MR. FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZF, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toy*...DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # 86-3667

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
15001	64	8	21	.3	11	37
15002	50	6	21	.5	10	20
15003	60	2	12	.2	18	4
15004	32	3	9	.1	2	1
15005	44	3	13	.1	26	1
15006	5	5	4	.6	11	7
15007	5	7	4	.8	13	11
15008	63	10	46	.7	11	23
15009	10	20	83	.4	13	5
15010	4	2	11	.2	19	21
15011	13	6	12	.6	8	23
15012	2	3	8	.2	2	3
15013	15	14	53	1.5	10	10
15014	33	135	152	2.6	3	2
15015	28	5	4	2.0	4	9
15016	11	5	56	1.0	2	2
15017	7	4	44	1.1	2	1
15018	10	6	19	3.4	2	4
15019	10	8	28	3.2	3	4
15020	9	11	11	3.1	7	7
15021	21	8	11	2.8	6	13
15022	11	6	39	2.0	6	8
15023	8	6	58	1.9	4	13
15024	5	5	722	.9	5	1
15025	5	6	164	.9	4	2
15026	6	6	8	.8	5	6
15027	6	15	110	.3	5	2
15028	13	11	279	1.9	5	4
15029	5	7	20	.4	6	5
15030	5	5	20	.3	6	5
15031	64	26	355	.9	2	9
15032	477	105	428	2.0	2	295
15033	49	20	1892	1.5	4	20
15034	229	86	811	.5	2	41
15035	106	36	551	1.1	4	6
15036	77	32	76	1.0	3	12
STD C/AU-R	60	37	133	7.2	42	510

CUMBERLAND RESOURCES

FILE # 86-3667

PAGE 2

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB
15037	62	18	67	1.2	6	6
15038	32	9	31	.7	5	32
15039	5	4	5	.1	3	1
15040	3	9	26	.2	2	1
15041	14	16	8	.5	11	11
15042	31	21	72	3.8	8	9
15043	84	12	163	.9	8	10
15044	84	16	51	2.2	2	15
15045	138	31	51	1.4	6	18
15046	50	11	41	.7	2	12
15047	282	22	38	2.4	5	16
15048	64	11	56	.5	4	5
15049	114	14	131	1.0	2	13
15050	320	5	78	2.0	2	73
15051	228	12	74	1.1	4	9
STD C/AU-R	59	40	134	7.0	42	480

ALME ANALYTICAL LABORATORIES LTD.

DATE RECEIVED NOV 20 1986

852 E. HASTINGS, VANCOUVER B.C.

PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE REPORTS MAILED

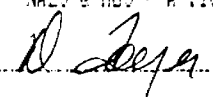
Nov 26/86

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.

Na₂O & MgO - A 1.000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO₂ AND IS DISSOLVED IN 50 MLs 5% HNO₃.

ASSAYER



DEAN TOYE, CERTIFIED B.C. ASSAYER

LUMBERLAND RESOURCES FILE# 86-3770

PAGE# 1

SAMPLE	Na ₂ O %	MgO %
EL-85-55	3.62	3.09
EL-85-56	1.46	2.85
EL-85-57	3.25	2.32

CME ANALYTICAL LABORATORIES LTD.
52 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: NOV 25 1986

DATE REPORT MAILED:

Dec. 2/86...

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # 86-3810A

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
15101	7	5	9	.2	1
15102	5	3	2	.2	1
15103	8	4	25	.5	-
15104	119	31	133	.8	-
15105	82	9	53	.4	-
15107	57	6	34	.5	-
15108	18	8	46	.2	-
15109	9	8	73	.1	-
15110	15	10	69	.2	-
15112	41	16	110	.4	-
15113	6	9	27	.4	-
15114	35	24	64	.6	-
15115	97	41	172	2.9	-
15117	115	11	56	1.5	70
15121	18	54	466	1.1	-
15122	22	44	135	.9	13
15123	3	11	18	.3	-
15125	11	22	109	.5	-
15126	12	33	134	.5	4
15127	9	5	455	.4	3
15129	8	16	59	.5	1
15130	6	26	91	.4	1
15131	5	23	51	.7	-
15132	17	41	129	.5	-
15133	30	18	46	1.0	-
15135	7	13	39	.4	-
15136	22	12	107	.4	-
STD C/AU-R	60	42	135	7.2	500

CUMBERLAND RESOURCES

FILE # B6-3810

PAGE 2

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB
15138	12	45	234	.5	-
15140	5	15	132	.5	-
15142	8	7	69	.5	-
15144	11	6	92	.3	-
15146	31	8	85	.3	-
15148	79	2	252	.5	-
15150	7	2	23	.2	-
15151	7	2	42	.2	-
15152	8	2	59	.3	-
15153	9	2	44	.1	-
15154	9	2	50	.3	-
15155	621	20	875	1.5	-
15156	88	39	303	.6	-
15157	121	5	53	.4	-
15158	15	5	103	.2	1
15159	211	12	703	.8	-
15160	6	2	74	.3	-
15161	925	16	1754	1.5	-
15162	64	6	140	.3	-
15163	8	2	17	.1	-
15164	7	2	30	.1	-
15301	3	4	24	.2	-
15302	10	12	271	.6	-
15303	31	23	114	1.1	-
15304	31	8	40	1.5	-
15305	8	12	677	.8	-
15306	2	2	6	.2	-
15307	8	6	259	.5	-
STD C	57	41	140	7.1	-

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: NOV 25 1986

DATE REPORT MAILED:

Dec. 2/86.

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: CORES

ASSAYER: *D. J. Toy* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CUMBERLAND RESOURCES

FILE # 86-3810 B

PAGE 1

SAMPLE#	Na2O %	MgO %
15106	2.90	3.11
15111	1.65	1.56
15112	1.35	1.65
15113	.95	.78
15114	1.00	1.30
15116	.90	.65
15118	.75	1.71
15119	.70	1.66
15120	.70	1.60
15121	1.15	.99
15122	1.10	1.36
15123	1.05	.90
15124	.65	.91
15125	.65	1.47
15128	.40	.50
15129	.50	1.54
15130	.80	1.78
15131	1.25	1.74
15132	1.15	2.80
15133	1.45	2.18
15134	1.05	1.51
15135	1.20	1.69
15136	1.25	1.68
STD 90-4	1.30	.96

SAMPLE#	Na2O %	MgO %
15137	1.60	1.94
15139	.70	3.06
15140	1.55	1.68
15141	1.60	1.24
15142	1.45	.99
15143	1.50	1.77
15144	2.40	1.53
15145	1.90	1.10
15146	2.80	2.00
15147	2.45	2.66
15148	3.00	2.75
15149	4.75	1.99
15150	4.40	2.11
15151	4.35	2.29
15152	3.65	2.40
15153	4.10	1.93
15154	3.75	1.90
15155	.90	1.36
15156	.75	3.08
15157	.85	3.49
15158	2.25	2.01
15159	2.25	1.12
15160	1.65	1.86
15161	2.80	4.70
15162	4.35	3.80
15163	3.50	1.80
15164	4.70	1.64
15301	4.25	.10
15302	2.95	.16
15303	3.10	.50
15304	2.25	.11
15305	3.50	.15
15306	2.75	.06
15307	3.10	.05
STD. SO-4	1.35	.97

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: DEC 15 1986

DATE REPORT MAILED: Dec. 23/86..

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SN, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.

- SAMPLE TYPE: CORE NA2O MgO BY WR FUSION. Au* by Acid Leach

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

CUMBERLAND RESOURCES

FILE # 86-3989

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Na2O %	MgO %
14701	67	2	63	.1	2.75	2.46
14702	21	5	44	.1	2.45	2.75
14703	117	6	37	.1	4.45	3.65
14704	89	3	44	.1	2.25	4.05
14705	91	2	46	.1	2.40	3.71
14706	88	4	39	.1	3.25	3.34
14707	87	8	33	.1	2.45	4.10
14708	8	6	36	.1	3.05	5.06
14709	48	3	23	.1	3.75	4.08
14710	18	7	56	.1	2.95	3.96
14711	43	10	49	.3	1.45	2.92
14712	41	2	25	.1	1.70	4.10
14713	6	2	19	.2	1.90	5.25
14714	12	3	36	.1	1.85	3.99
14715	34	5	49	.2	1.25	4.22
14716	21	2	62	.1	2.85	3.14
14717	25	2	58	.1	3.40	4.07
14718	34	4	50	.1	3.00	3.25
14719	15	5	55	.1	2.75	3.66
14720	31	4	44	.1	2.65	3.66
14721	63	6	44	.1	2.25	3.28
14722	71	9	50	.1	2.60	3.29
14723	55	4	44	.1	3.45	3.58
14724	41	5	64	.1	3.10	3.94
14725	40	6	49	.1	3.20	3.58
14726	50	2	49	.1	3.95	3.56
14727	19	7	36	.1	2.20	4.07
14728	36	2	21	.1	.55	1.07
14729	61	6	55	.1	3.55	3.55
14730	106	5	52	.1	3.05	4.13
14731	49	6	57	.1	2.00	3.75
14732	50	4	53	.1	3.85	3.19
14733	42	3	57	.1	2.90	3.32
14734	36	5	52	.1	2.60	3.41
14735	12	2	43	.1	4.90	3.47
14736	38	4	32	.1	3.40	3.10
STD C/AU-R	59	40	137	7.2	-	-

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB	Na2O %	MgO %
14737	46	4	53	.1	-	3.60	3.50
14738	46	2	52	.1	-	3.20	3.68
14739	83	4	8	.1	-	.30	.35
14740	61	7	55	.1	-	2.80	3.43
14741	65	2	52	.1	-	3.10	3.38
14742	53	5	59	.1	-	2.85	3.82
14743	55	4	51	.1	-	2.90	4.09
14744	52	2	39	.1	-	3.35	3.10
14745	45	6	47	.1	-	2.70	3.77
15201	26	8	62	.1	-	-	-
15202	68	7	92	.1	-	-	-
15203	48	7	50	.2	-	-	-
15204	43	6	55	.1	-	-	-
15205	51	8	37	.1	-	2.60	1.53
15206	55	2	57	.1	-	3.50	2.56
15207	68	6	60	.1	-	3.20	2.67
15208	64	2	53	.1	-	4.20	1.46
15209	17	2	38	.1	-	4.50	3.36
15210	90	6	71	.1	-	3.30	1.79
15308	5	2	8	.2	2	3.35	.10
15309	-	-	-	-	-	4.15	.12
15310	22	3	4	1.6	3	2.40	.03
15311	6	3	20	.1	-	1.90	.17
15312	-	-	-	-	-	3.55	.13
15313	7	5	84	.4	-	2.15	2.00
15314	5	4	27	.3	-	5.25	.21
15315	23	4	160	.3	-	2.80	1.34
15316	17	12	149	.2	-	3.70	1.54
15317	3	2	21	.2	-	3.70	.32
15318	43	3	94	.3	-	2.65	1.22
15319	11	5	38	.3	-	3.45	.36
15320	3	2	14	.1	-	2.50	.13
15321	80	2	130	.1	-	1.75	3.65
15322	40	7	118	.4	-	2.85	1.51
15323	8	3	12	.2	-	1.20	.32
15324	3	4	33	.2	-	.80	.28
STD C	61	42	137	7.1	-	-	-

CUMBERLAND RESOURCES

FILE # 66-3989

PAGE 3

SAMPLE#	Cu FFM	Pb FFM	Zn FFM	Ag FFM	Au* FFB	Na2O %	MgO %
15325	1	2	31	.1	-	.75	.25
15326	3	6	60	.2	-	.65	3.05
15327	5	11	39	.1	-	.90	1.16
15328	4	4	38	.4	-	2.15	.30
15329	1	3	25	.1	-	2.00	.14
15330	6	3	101	.1	-	2.65	.82
15331	11	4	42	.2	-	2.90	.75
15332	34	6	134	.5	-	3.55	2.03
15333	3	4	24	.2	-	2.50	.08
15334	6	2	41	.2	-	3.20	.12
15335	5	4	15	.2	-	1.55	.10
15336	35	10	67	.6	-	4.80	.22
15337	4	8	97	.1	-	6.60	1.02
15338	6	10	143	.3	-	1.85	2.11
15339	55	4	56	.3	-	2.25	1.53
15340	15	5	57	.4	-	3.00	1.66
15341	13	10	39	.1	-	3.70	.88
15342	15	7	50	.2	-	2.60	1.14
15343	27	6	91	.3	-	3.65	2.02
15344	28	6	91	.3	-	2.45	2.77
15345	3	5	79	.2	-	1.30	2.30
15346	1	5	53	.3	-	.45	1.96
15347	42	6	52	.1	-	3.45	2.61
15401	11	13	74	.5	2	.95	1.95
15402	3	4	20	.2	-	3.20	.45
15403	20	8	59	.4	2	2.05	2.69
15404	19	13	35	.2	1	2.65	2.43
15405	19	13	27	.3	1	1.35	2.18
15406	5	5	37	.2	1	4.10	.93
15407	15	6	27	.1	3	3.00	1.03
15408	28	8	44	.3	2	1.60	2.83
15409	19	7	48	.3	1	2.70	2.43
15410	53	7	32	.3	1	2.10	2.24
15411	50	8	83	.3	1	3.40	3.27
15412	33	8	40	.2	2	2.20	2.57
15413	21	7	48	.3	1	1.75	1.87
STD C	62	38	137	7.1	-	-	-

CUMBERLAND RESOURCES

FILE # 86-3989

PAGE 4

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au* PPB	Na2O %	MgO %
15414	19	2	44	.1	3	.80	1.02
15415	40	4	61	.1	1	1.90	3.33
15416	66	6	83	8.2	-	2.10	2.94
15417	38	3	68	.3	4	2.05	2.58
15418	59	2	105	.3	-	2.05	3.89
15419	48	8	77	.2	3	2.85	2.82
15420	49	7	93	.1	-	3.35	2.70
15421	52	9	107	.1	-	2.60	3.54
15422	42	4	26	.5	7	2.20	1.06
15423	26	2	48	.3	2	4.40	2.25
15424	18	2	42	.4	1	2.60	3.91
15425	37	19	111	.8	-	1.30	3.41
15426	35	6	146	.4	3	2.80	3.71
15427	31	2	63	.3	4	1.80	2.65
15428	45	2	52	.1	5	1.90	2.35
15429	42	8	59	.1	3	4.00	2.80
15430	42	5	43	.1	1	2.25	3.06
15431	10	4	49	.1	1	1.20	1.87
15432	33	2	54	.1	1	3.45	2.77
15433	22	4	41	.4	1	2.05	3.01
15434	33	5	102	.4	4	3.15	3.55
15435	26	7	85	.2	5	3.25	3.96
15436	33	27	103	.8	84	1.80	2.98
15437	13	15	45	.7	18	1.95	3.91
15438	39	4	76	.1	1	4.15	3.37
15439	40	2	113	.2	1	3.50	3.13
15440	39	2	57	.1	3	4.05	2.19
15441	60	5	16	.3	3	1.15	1.37
15442	7	4	24	.3	6	2.00	2.38
15443	16	4	37	.8	24	1.35	2.46
15444	61	4	56	.3	4	1.50	2.64
15445	31	29	99	.5	2	1.45	3.31
15446	16	8	26	1.1	29	1.85	2.58
15447	40	6	56	.5	2	2.45	1.33
15448	42	7	191	1.1	1	2.90	1.43
15449	20	5	56	.4	6	2.40	1.73
STD C/AU-R	61	38	136	7.2	510	-	-

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au# PPB	Na2O %	MgO %
15450	33	7	49	.3	8	3.10	1.40
15451	8	6	39	.2	1	2.90	1.22
15452	20	11	86	.6	3	2.50	1.83
15453	2594	7	57	4.3	13	1.45	2.94
15454	822	10	144	1.8	127	.15	8.86
15455	565	21	63	1.6	67	1.70	2.31
15456	45	7	10	.1	2	2.45	2.75
15457	32	5	25	.1	-	2.30	2.96
15458	5	2	27	.1	-	4.15	1.57
15459	7	5	33	.1	-	4.35	1.56
15460	319	3	34	.1	-	3.10	2.33
15461	6	4	32	.1	-	2.70	2.67
15462	28	3	57	.2	-	2.95	3.31
STD C/AU-R	61	41	134	6.9	510	-	-

C. Merland Resources Ltd.

Assay sample location summary:

July 25, 1988

1. Lithogeochemical / soil sample locations - Figures 22 & 22A for series 3000 and 2000 samples

2. Grid location chart for samples 14515 - 14531 inclusive.

3. Diamond drill core samples;

The logs for holes EL-86-1 , 3,4,5 and 6-12 inclusive were previously submitted for diamond drilling assessment credits with the core sample locations and assays plotted.

Duplicate logs for hole EL-86-2 are included to indicate core sample locations.

Duplicate logs for hole EL-86-6 are included since this hole has not yet been submitted for assessment.



Telephone
(807)344-6598

Cumberland Resources Limited

74 Winnipeg Avenue,
THUNDER BAY, ONTARIO
P7B 3P9

GEOCHEMICAL ANALYSIS

1986 field season

EVANS LAKE PROPERTY





Ontario

Ministry of
Northern Development
and Mines



52J07SE8755 2.11491 BOUCHER

900

Ministère du
Développement du Nord
et des Mines

August 23, 1988

Your File : W8803-194

Our File : 2.11491

Mining Recorder
Ministry of Northern Development and Mines
Court House
P.O. Box 3000
Sioux Lookout, Ontario
POV 2T0

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
OFFICE

SEP 8 1988

RECEIVED

Dear Sir:

Re: Data for Assaying submitted under Section 77(19)
of the Mining Act R.S.O. 1980 on Mining Claims
PA 836300 et al, in Evans Lake/Boucher Township

The enclosed statement of assessment work credits for
Assaying has been approved as of the above date.

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

Yours sincerely,

W.R. Cowan, Manager
Mining Lands Section
Mines & Minerals Division

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3
Telephone: (416) 965-4888

SH:sc

Encl:

cc: Cumberland Resources Ltd
74 Winnipeg Avenue
Thunder Bay, Ontario
P7B 3P9

cc: Resident Geologist
Sioux Lookout, Ontario



Recorded Holder
CUMBERLAND RESOURCES LTD

Township or Area
EVANS LAKE/BOUCHER 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 _____ days 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.	\$9083.25 spent on Assaying Samples taken from Mining Claims: PA 826300 874386 845319-20 846418 to 422 incl. 862548 to 570 incl. 862915-36-47 874351 to 353 incl 862938 to 945 incl 874381-85 863134 874392 to 395 incl 863136 to 141 incl 961584-87-88 873590 to 595 incl 873597-98 873600 873773-74 605.5 days credit allowed which may be grouped in accordance with Section 76(6) of the Mining Act R.S.O. 1980.

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.

Advisor
Mining Lands Section

Mining Act

Type of Survey(s) Assay expenditures	Township or Area Evans Lake/ Boucher Twp. E 20 th / N 16 th
Claim Holder(s) Cumberland Resources Ltd.	Prospector's Licence No. T-1303
Address 74 Winnipeg Ave., Thunder Bay, Ontario P7B 3P9	
Survey Company Cumberland Res./ Acme Analytical Lab.	Date of Survey (from & to) 9 Day 6 Mo. 86 Yr. 22 Day 12 Mo. 86 Yr.
Name and Address of Author (of Geo-Technical report) Wm. McCrindle, 74 Winnipeg Ave., Thunder Bay, Ontario P7B 3P9	

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

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	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	Geological	
	Geochemical	
Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
PA	862928	40			
	862929	40			
	862930	40			
	862935	40			
	862937	40			
	862938	40			
	862939	25.5			
	862940	40			
	862941	40			
	862942	40			
	862943	40			
	862944	40			
	862945	40			
	862946	40			
	862947	20			
	862948	40			

RECEIVED
AUG 11 1988
MINING LANDS SECTION

RECEIVED
JUL 26 1988
PATRICIA MINING DIVISION

Expenditures (excludes power stripping)

Type of Work Performed Section 72-17
Assay expenditures

Performed on Claim(s)
PA874384, 393-396, 389, 846418, 862904
822593-824351, 928095, 874381, 392,
846419-422, 862941-943, 862556-563,
566, 567

Calculation of Exp. Days Credits

Total Expenditures	÷	Days Credits	=	Total Days Credits
\$ 9083.25	÷	15	=	605.5

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.

Total number of mining claims covered by this report of work. 16

Date July 25, 1988
Recorded Holder or Agent (Signature) Wm. McCrindle

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
605.5	July 26, 1988	[Signature]
Date Approved as Recorded	Branch Director	
See Revised	[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
Wm. McCrindle, 74 Winnipeg Ave., Thunder Bay, Ontario, P7B 3P9

Date Certified July 25/88
Certified by (Signature) Wm. McCrindle

CONANT TWP. M-1682

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Gravel No.	Date	Disposition	File
43770	43770	4.2.75	S.R.O.	664905
43780	43780	7.2.75	S.R.O.	664905

April 1975
 July 22/75
 Feb 20/75
 Aug 30/75
 M.C.S.
 S.R.O.
 S.R.O.
 S.R.O.
 S.R.O.
 S.R.O.
 S.R.O.
 S.R.O.

LEGEND

PATENTED MINING RIGHTS ONLY	(M.R.O.)
PATENTED SURFACE RIGHTS ONLY	(S.R.O.)
LEASE	(L)
LOCATED LAND	(L)
GROWN LANDS	(G)
LOCATED LAND	(L)
CANCELLED	(C)
MINING RIGHTS ONLY	(M.R.O.)
SURFACE RIGHTS ONLY	(S.R.O.)
HIGHWAY & ROUTE NO.	(H)
ROADS	(R)
TRAILS	(T)
RAILWAYS	(R)
POWER LINES	(P)
MARSH OR MUSKELG	(M)
MINES	(X)

* used only with summer resort locations or where price is limited

TOWNSHIP OF

BOUCHER

DISTRICT OF THUNDER BAY

PATRICIA MINING DIVISION

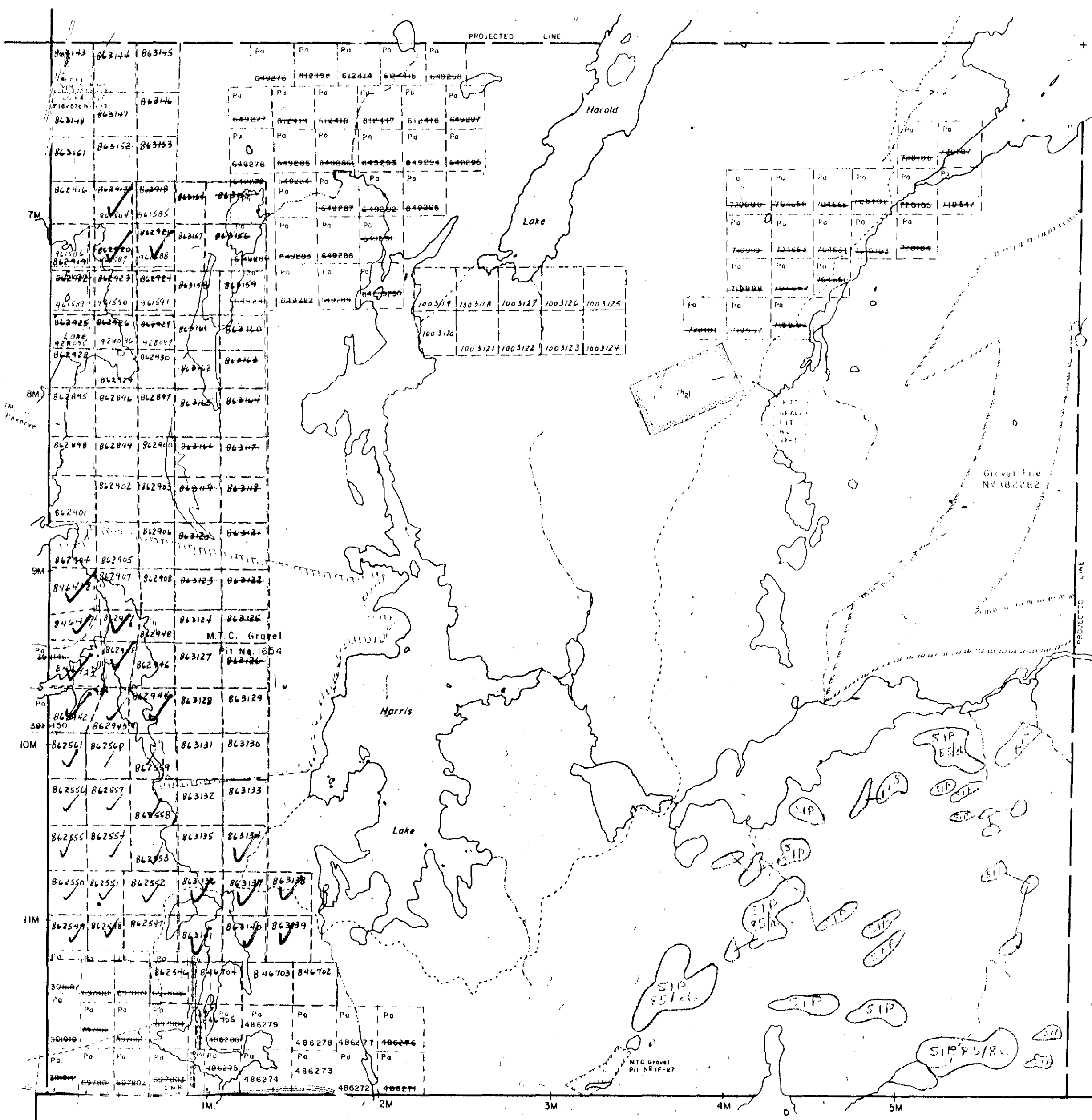
SCALE: 1 INCH = 40 CHAINS (1/2 MILE)

DR. R.W. NOBLE
 DATE: AUG. 6, 71
 PLAN NO. **M-1664**

ONTARIO 200
 MINISTRY OF NATURAL RESOURCES
 SURVEYS AND MAPPING BRANCH

EVANS LAKE AREA M-1774

CHEVRIER TWP. M-1673



G-2532
BECKINGTON LAKE AREA M-1740



SAND AND GRAVEL

M.T.C. GRAVEL PIT No. 654
M.T.C. GRAVEL RESERVE FILE No. 168405

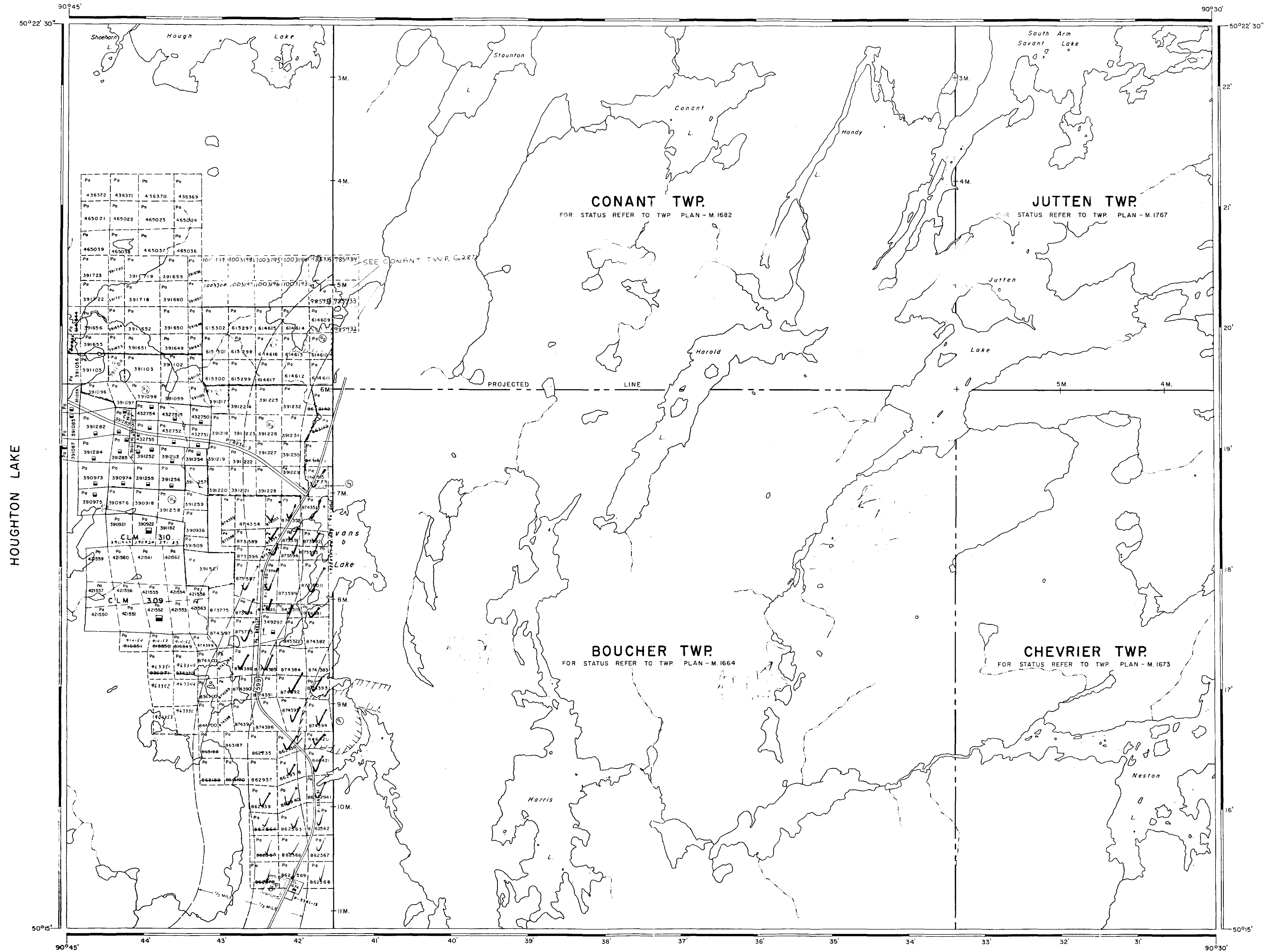
GRAVEL FILE No. 189277

NOTES

ONE MILE WIDE C.N.R. RESERVE - S.R.O. WITHDRAWN UNDER SEC. 42 (R.S.O. 1960) OF THE MINING ACT FILE 168405

Dec 3 86

GREBE LAKE



HOUGHTON LAKE

CONANT TWP.
FOR STATUS REFER TO TWP. PLAN - M.1682

JUTTEN TWP.
FOR STATUS REFER TO TWP. PLAN - M.1767

BOUCHER TWP.
FOR STATUS REFER TO TWP. PLAN - M.1664

CHEVRIER TWP.
FOR STATUS REFER TO TWP. PLAN - M.1673

BECKINGTON LAKE

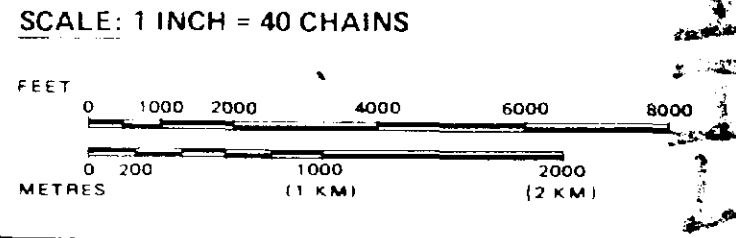
LEGEND

- 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 MUSKOG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE	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. 380, SEC. 63, SUBSEC. 1.



REFERENCES

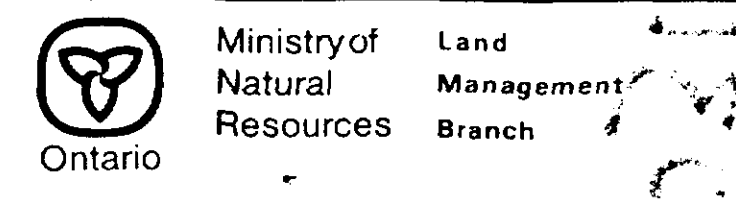
AREAS WITHDRAWN FROM DISPOSITION

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

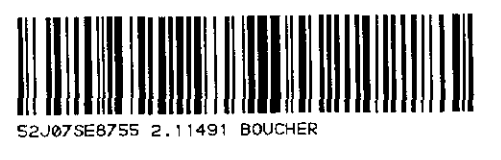
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Sec 26-30	W 16/88 NWR	88/02/02	S.R.O.	182555

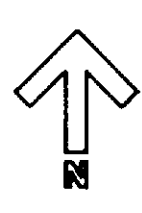
APPTOWER W14/87 04/02/87 S.R.O. 182555

AREA
EVANS LAKE
M.N.R. ADMINISTRATIVE DISTRICT
SIOUX LOOKOUT
MINING DIVISION
PATRICIA
LAND TITLES / REGISTRY DIVISION
THUNDER BAY

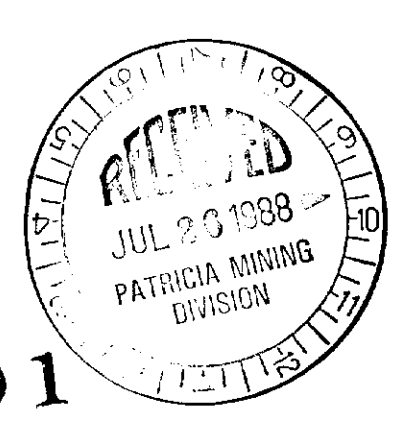


Date MAY 1985
Number G-2031





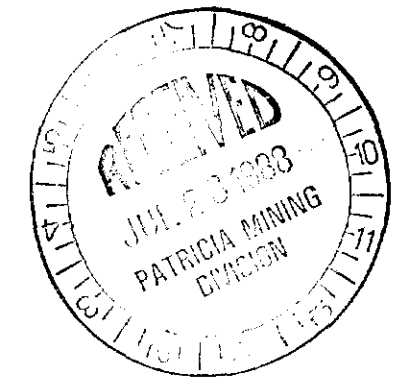
2.11491



LEGEND	
SOUTH HALF	
3000 SERIES	
-	LITHOGEICHEM SAMPLES
2000 SERIES	
-	B-HORIZON SOIL SAMPLE
-2223	SOIL SAMPLE LOCATION
-N/S	NO SAMPLE

CUMBERLAND RESOURCES LTD.
SAVANT-EVANS LAKE PROJECT
LITHOGEICHEM / SOIL SAMPLE LOCATIONS
FIGURE 22
GEOLOGY: B. KITE, M.W. LEAHEY
SCALE: 1:7500 APRIL 1987





2.11491

LEGEND	
NORTH HALF	
3000 SERIES	- LITHO GEOCHEM SAMPLE
2000 SERIES	- B-HORIZON SOIL SAMPLE

CUMBERLAND RESOURCES LTD.
SAVANT-EVANS LAKE PROJECT
LITHO GEOCHEM / SOIL SAMPLE LOCATION
FIGURE 22 A
COMPILED BY: M.W. LEAHEY
GEOLOGY BY: B. KITE
SCALE: 1:7500 APRIL 1987

