DIAMOND DRILL LOG

Drilling Co.: Northwes	t Geophysics	Collar Elevation: 0	Bearing: 180°	Total Meterage:			Drill Hole Location:	Location:	Hole No.:	Page No.: 1	
				306.75			29+00E, 8+75N	TB1183798	ML97-1		
Date Hole Started:	Date Hole Completed:	Date Logged:	Logged By:		150	-37°		Core Stored At:	Property Name:	Core Size:	
Jan. 24, 1998	Jan. 28, 1998	Feb. 2, 1998	D. McKay		<u> </u>	-	 	MNDM Conmee Twp	Muriel Lake	BTW	
			1		284	-24°		Core Yard		}	į
						 					
Exploration Co., Owne	r or Optionee:	Date Submitted:	Submitted by: (Si	·							
Tenajon Resources C	orp.		Dong	Mcky							
				-			ŀ		42L07NW2002 2.18	3810 MAUN L	VKE

				2	regeneral estad					100000000000000000000000000000000000000	F-981 1222 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TES CHIEFES
Me	terage	Rock Type	Description (colour, grain size, texture, minerals, alteration, etc.)	Sample #	From	То	Length	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
From	То		The state of the s									
0.00	15.30	Overburden									<u></u>	
15.30	30.95	Mafic Flow	Dark green, medium- to locally coarse-grained, massive to locally moderately foliated (at 45° to 50° to the core axis) mafic metavolcanic flows comprising approximately 50% dark green amphibole and 50% grey-white feldspar; weakly to locally moderately carbonatized with calcite along foliation planes and variably oriented fractures, occasional narrow (<15 cm wide) grey-white quartz ± calcite veins, numerous chloritic partings, non-magnetic, typically contains trace amounts of fine- to medium-grained pyrite localized along vein margins and as disseminated grains. 17.18 - 17.21: grey-white quartz-calcite vein, trace amounts of fine-grained pyrite, contacts at 80° to the core axis. 20.65 - 20.77: grey-white quartz-calcite vein, trace amounts of fine-grained pyrite, contacts at 80° to the core axis.	93401 93402 93403	20.11 20.61 20.86	20.61 20.86 21.36	0.50 0.25 0.50	9 9 < 5	<1 <1 <1	175 217 112	<1 <1 <1	26 39 30
20.05	T 22.02								I	<u> </u>		Ι
30.95	33.82	Mafic Ash Tuff	Medium to dark greyish-green, fine-grained, thinly banded, weakly foliated (at 50° to the core axis), weakly fractured mafic ash tuff; weakly carbonatized along foliation planes and fractures with calcite, numerous chloritic partings, locally weakly silicified, non-magnetic, trace to minor amounts of fine- to medium-grained pyrite localized within narrow, (<5 mm wide) foliation-parallel, poorly-defined laminae, rare angular mafic clasts, locally brecciated over narrow sections, upper and lower contacts gradational.									

010

ole No.:	ML97-1

Page ____ 2 ___ of ____ 9

Me From	terage To	Rock Type	Description (colour, grain size, texture, minerals alteration, etc.)	Sample #	From	То	Length	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
			32.15 - 32.25: brecciated section, weakly silicified and carbonatized with calcite, minor amounts of fine- to medium-grained pyrite.	93404	32.00	32.25	0.25	<5	3	149	<1	40
33.82	56.06	Mafic Flow	Medium- to dark green, fine- to locally coarse-grained, massive to locally brecciated (flow tops?), relatively hard, mafic flow sequence; weakly to locally moderately carbonatized with calcite along fractures and within brecciated sections, local patchy albitization (spilitized?), rare mafic and felsic clasts up to 1 cm by 0.5 cm in size, locally weakly magnetic, typically contains trace amounts of fine-grained pyrrhotite ± pyrite and very rare chalcopyrite localized along narrow fractures and within small (<5 mm across) rounded patches of albite-quartz-calcite alteration, flows become coarser-grained with depth, lower contact sharp at 90° to the core axis. 43.75 - 44.49: strongly fractured, locally brecciated section, moderately carbonatized with calcite. 45.47 - 46.74: strongly fractured, locally brecciated section, weakly silicified and moderately carbonatized with calcite along variably oriented fractures and within the matrix to the breccia. 50.72 - 51.06: moderately fractured, locally brecciated section, weakly silicified and moderately carbonatized with calcite, weakly albitized (?) in anhedral greyish-white patches, trace amounts of fine-grained pyrrhotite and rare chalcopyrite associated with the patchy albite-quartz-calcite varying in size up to 10 cm, trace amounts of fine-grained pyrrhotite and rare chalcopyrite associated with the above described alteration. 51.96 - 52.50: relatively unaltered section.	93405 93406 93407 93408	50.56 51.06 51.96 52.50	51.06 51.96 52.50 53.50	0.50 0.90 0.54 1.00	<5 <5 <5	<1 <1 <1 <1 <1 <1	241 113 97 101	<1 <1 <1 <1	9 11 25 31
			55.50 - 56.06: moderately albitized section comprising 15% anhedral patches of grey-white albite-quartz-calcite up to 1 cm in size.									<u> </u>
56.06	56.99	Mafic Crystal Tuff	Medium to dark greyish-black, medium-grained, weakly to locally moderately foliated (at 60° to the core axis) mafic crystal tuff comprising up to 20% black biotite in a feldspathic matrix; weakly carbonatized with calcite, occasional narrow (<5 mm wide) quartz ± calcite vein at high angles to the core axis, locally very weakly magnetic, trace amounts of fine-grained pyrrhotite.									

Page: 3 of 9

	erage To	Rock Type	Description (colour, grain size, texture, minerals alteration, etc.)	Sample #	From	То	Length	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
56.99	85.27	Mafic Flow	Dark green, medium- to coarse-grained ("gabbroic-looking"), massive to locally weakly foliated mafic flow sequence typically comprising 50-60% dark green amphibole (up to 3 mm in size), 5% black biotite and 30-40% greyish-white feldspar and quartz; occasional biotite-filled fractures and patchy zones of silicification are prevalent below 80 m reflecting increasing hydrothermal alteration with depth, locally weakly magnetic, typically contains trace amounts of fine-grained pyrite ± pyrrhotite localized along fractures, but locally the sulphides comprise 5-7% of the flows over narrow intervals as noted below, gradational contact with underlying semi-massive sulphide zone. 67.09 - 67.33: strongly carbonatized and weakly silicified section.									
			74.65 - 74.73: brecciated section (possible flow top?). 81.77 - 82.27: 1-2% fine-grained pyrrhotite ± pyrite localized in poorly-defined, foliation-parallel seams oriented at 40° to the core axis.	93409	81.77	82.27	0.50	13	3	140	<1	60
			82.27 - 83.27: weakly to locally moderately silicified, 2-3% fine- to medium-grained pyrite, pyrrhotite and rare chalcopyrite localized adjacent to narrow (<5 mm wide) quartz veins and within poorly-defined, foliation-parallel narrow seams.	93410	82.27	83.27	1.00	31	3	693	<1	47
			83.27 - 84.27: weakly to locally moderately silicified and weakly carbonatized with calcite, 5-7% fine-grained pyrrhotite ± coarse-grained (recrystallized?) pyrite.	93411	83.27	84.27	1.00	46	4	572	<1	36
			84.27 - 85.27: weakly silicified, 5-7% fine-grained pyrrhotite ± coarse grained pyrite localized in semi-massive patches and as disseminated grains.	93412	84.27	85.27	1.00	32	4	568	<1	87
			<u></u>					<u> </u>		· · · · · · · · · · · · · · · · · · ·		
85.27	90.23	Semi-Massive Sulphides	50-60% fine-to coarse-grained pyrite ± pyrrhotite and rare chalcopyrite set in a fine-grained, light to medium grey, very hard, brecciated-looking (milled?), siliceous matrix; this unit may represent a strongly deformed and recrystallized sulphidized cherty bed within the underlying iron formation, lower contact sharp at 40° to the core axis.	93413 93453 93414 93454 93415 93455 93416 93456 93417 93457	85.27 85.77 86.27 86.77 87.27 87.77 88.27 88.77 89.27 89.77	85.77 86.27 86.77 87.27 87.77 88.27 88.77 89.27 89.77 90.23	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	60 37 35 17 27 119 23 73 146 263	2 5 2 3 <1 4 2 5 5	99 100 59 69 63 128 325 779 652 2512	<1 <1 <1 3 6 10 5 8 <1	63 87 272 95 112 76 44 1061 34

Hole No.: ML97-1

Page: 4 of 9

Me	terage	Rock Type	Description (colour, grain size, texture, minerals alteration, etc.)	Sample #	From	То	Length	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
From	To							pps	ppin	ppm	pp	ppin
90.23	97.03	Iron Formation	Thinly banded, fine-grained, strongly deformed iron formation comprising alternating bands/beds of black magnetite, green amphibole and light grey chert, individual beds are complexly folded and locally disrupted, most beds are oriented at approximately 30-40° to the core axis, typically contains trace to minor amounts of fine-grained pyrrhotite ± pyrite and rare chalcopyrite, concentrations of small (1-2 mm across) anhedral garnet porphyroblasts occur locally, this unit typically contains 10-30% fine-grained magnetite and is strongly magnetic.									
			90.40 - 91.00: light grey, fine-grained, relatively massive, recrystallized cherty bed, local patches and seams of brownish-yellow sericite, minor amounts of fine- to medium grained pyrite ± pyrrhotite and rare chalcopyrite, upper contact sharp at 40° to the core axis.	93418 93419	90.23 91.00	91.00 91.30	0.77 0.30	10 24	<1 2	106 540	<1 4	19 4 9
			91.30 - 91.60: cherty bed as described above for interval from 90.40 - 91.00.	93420	91.30	91.60	0.30	6	<1	96	<1	13
			91.88 - 91.95: cherty bed. 93.90 -94.26: cherty bed containing 1% fine-grained chalcopyrite localized along fractures.	93421 93422 93423	91.60 92.60 93.90	92.60 93.90 94.26	1.00 1.30 0.36	10 24 376	3 2 8	82 159 3993	<1 <1 <1	46 32 24
			94.26 - 95.26: rare anhedral clots of pyrrhotite and chalcopyrite.	93424	94.26	95.26	1.00	75	4	1849	<1	25
			95.26 - 96.26: moderately carbonatized with calcite, trace amounts of pyrite and pyrrhotite.	93425	95.26	96.26	1.00	6	<1	190	<1	16
			96.26- 97.03: non-magnetic, amphibole-rich section, thin (<1 mm wide) calcite and sphalerite-filled fracture at 96.55m.	93426	96.26	97.03	0.77	< 5	<1	126	<1	874
97.03	148.45	Gabbro	Dark green, medium- to locally coarse-grained, massive to weakly foliated gabbro (coarse-grained flow?) comprising approximately 70% dark green amphibole ± biotite and 30% grey-white feldspar; locally weakly carbonatized (calcite) and silicified along fractures and within small anhedral patches and seams which may represent flow tops(?), locally weakly albitized, occasional narrow chloritic and biotitic shear zones oriented at 50° to the core axis, non-magnetic, typically contains trace amounts of fine-grained pyrite ± pyrrhotite and very rare chalcopyrite as disseminated grains and fracture-fillings associated with quartz and calcite, this unit is relatively hard and locally amphibole porphyritic, no discernible contacts observed between the coarse- and medium- grained sections.	93427	97.03	98.03	1.00	<5	<1	86	<1	24
			107.25 - 108.30: broken, strongly fractured core containing abundant chlorite and biotite possibly defining the presence of a low angle (10° to core axis) fault/shear zone.									
			126.76 - 126.80: calcite-quartz vein.									
			128.63 - 128.71: calcite-quartz vein.								İ	
		·										

Page: <u>5 of 9</u>

Me	terage	Rock Type	Description (colour, grain size, texture, minerals alteration, etc.)	Sample #	From	То	Length	Au ppb	Ag ppm	Cu ppm	Pb	Zn ppm
From	To			rad (11 sektár) Przed a reginary sistem	10.10 mm m m m m m m m m m m m m m m m m m				1			_
			129.98 - 130.09: calcite-quartz vein containing abundant wall rock fragments.								ſ	
			130.60 - 130.65: calcite-quartz vein, contacts at 45° to the core axis.						:			
			136.29 - 136.31: calcite-quartz vein containing wallrock fragments.									
			137.20 - 137.23: calcite-quartz vein surrounded by prominent bleached alteration halo.									
			140.22 - 140.55: moderately albitized (?) section comprising 50% amphibole phenocrysts in a light greenish-grey, fine-grained matrix.		:							
			142.80 - 143.30: strongly fractured deformation zone containing several narrow seams of fault gouge oriented at high angles (>80°) to the core axis, moderately carbonatized with calcite.							- - -		
			145.02 - 145.10: moderately albitized/epidotized section.								ļ	
			145.77 - 145.82: brecciated zone infilled with quartz and calcite, minor amounts of fine-grained pyrrhotite and chalcopyrite localized in anhedral blebs up to 3 mm in size.	93428 93429 93430	145.18 145.68 145.93	145.68 145.93 146.43	0.50 0.25 0.50	<5 6 7	<1 <1 <1	159 192 86	<1 <1 3	14 17 19
		L									<u> </u>	
148.45	158.15	Felsic Crystal Tuff (?)	Light to medium grey, fine-to medium-grained, weakly foliated (at 50° to the core axis), relatively hard felsic ash to crystal tuff (?) comprising rare angular mafic clasts (1-3 mm across) set in a fine-grained matrix of quartz, feldspar and sericite; weakly to locally moderately sericitized, weakly silicified with occasional narrow (<2 cm wide) foliation - parallel quartz veins, occasional small (1-2 mm across), purplish-brown garnet porphyroblasts, typically contains trace amounts of fine-grained pyrite localized along foliation and fracture planes, non-magnetic, upper and lower contacts sharp at 80° to the core axis, lower contact mantled by a biotitic alteration (?) halo.	93431	155.31	156.31	1.00	<5	<1	6	2	13
										·		
158.15	165.58	Gabbro (?) Mafic Flow (?)	Dark green, coarse-grained, massive to weakly foliated gabbro (?)/ mafic flow (?); weakly to locally moderately carbonatized along fractures with calcite.									
			162.65 - 162.73: calcite carbonatized section containing several anhedral, fine-grained blebs of chalcopyrite ± pyrrhotite up to 5 mm by 2 mm in size.									

Page: <u>6 of 9</u>

Met	erage	Rock Type	Description (colour, grain size, texture, minerals alteration, etc.)	Sample #	From	То	Length	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
From	То	・						ppo	ppm	ppm	ppm	ppm
165.58	169.98	Intermediate to Felsic Crystal Tuff (?)	Medium grey, fine- to medium-grained, weakly foliated (at 45° to the core axis), biotitic, intermediate to felsic crystal tuff (?) comprising approximately 10% black biotite in a fine-grained matrix of feldspar and quartz, rare subangular plagioclase clasts 1-2 mm in size; locally weakly carbonatized along fractures with calcite, typically contains trace amounts of fine-grained pyrite, upper and lower contacts are lobate and marked by biotitic alteration haloes, this unit may be intrusive.	93432	167.24	168.24	1.00	<5	<1	8	<1	18
169.98	173.00	Mafic Flow	Dark green, medium- to fine-grained, massive to very weakly foliated mafic flow; weakly silicified and carbonatized with calcite along fractures, typically contains trace amounts of fine-grained pyrite ± pyrrhotite localized along fractures, non-magnetic.	93433	172.50	173.00	0.50	6	2	65	<1	47
-									-			
173.00	176.25	Mafic Ash and Crystal Tuff	Banded greenish-grey and black, fine-grained, locally brecciated mafic ash to crystal tuff comprising 5-10% lustrous black biotite set in a fine-grained calcite-carbonatized matrix, occasional quartz-calcite vein oriented at high angles to the core axis, contains trace amounts of fine-grained pyrrhotite and very rare chalcopyrite.	93434 93435 93436	173.00 174.00 175.00	174.00 175.00 176.25	1.00 1.00 1.25	<5 <5 9	2 2 2	73 135 189	<1 <1 <1	58 57 86
	.1			1		<u> </u>			<u> </u>			
176.25	204.44	Mafic Flow	Medium to dark green, fine- to locally medium-grained, massive to weakly foliated, locally variolitic mafic flow sequence; weakly silicified and carbonatized with calcite along fractures, weakly to locally moderately albitized, typically contains trace to minor amounts of fine-grained pyrrhotite ± pyrite localized along fractures, flow tops marked by narrow (<5cm wide) brecciated sections and biotitic, tuffaceous bands, intruded locally by fine-grained mafic dykes, flows become coarser grained with depth, lower contact with gabbro is gradational over 50 cm.	93437	176.25	176.75	0.50	9	2	131	<1	44
			179.47 - 179.57: brecciated section (flow top?).									
			179.72 - 179.75: biotite and calcite-rich band (interflow sediment?).									
		ĺ	180.07 - 180.14: biotite and calcite-rich band.									
			182.08 - 182.28: biotitic tuffaceous band.									
			182.81 - 182.90: biotitic tuffaceous band.									i
			183.17 - 183.47: fine-grained, medium green mafic dyke, contacts at 45° to the core axis.									

Page: 7 of 9

Me	terage	Rock Type	Description (colour, grain size, texture, minerals alteration, etc.)	Sample #	From	То	Length	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm
From	То		183.47 - 185.47: minor amounts of fine-grained pyrrhotite. 200.28 - 204.44: minor amounts of fine-grained pyrrhotite ± pyrite and very rare chalcopyrite.	93438 93439 93440 93441 93442 93443	183.47 184.47 200.28 201.28 202.28 203.28	184.47 185.47 201.28 202.28 203.28 204.44	1.00 1.00 1.00 1.00 1.00 1.16	<5 <5 <5 <5 <5 9	<1 2 <1 <1 2 2	199 147 166 183 370 265	<1 <1 <1 <1 <1 <1	51 35 18 12 14 17
204.44	217.53	Gabbro	Dark green, coarse-grained, massive, gabbro comprising 60% dark green amphibole (up to 5 mm across) and 40% grey-white plagioclase, non-magnetic, typically contains trace amounts of fine-grained pyrrhotite, upper contact with flows is gradational over 50 cm, occasional leucocratic patches, lower contact with mafic dike sharp at 65° to the core axis.									
217.53	218.82	Mafic Dike	Dark greenish-grey, fine-grained, massive mafic dyke, weakly to moderately magnetic, trace amounts of fine-grained pyrite.									
218.82	231.55	Gabbro	As described above for interval from 204.44 to 217.53, gabbro gradually becomes finer-grained with depth.									
231.55	234.49	Mafic Tuff	Medium to dark greyish-green, banded, fine-grained, moderately foliated (at 50° to the core axis) mafic tuff, occasional biotitic seams, intruded locally by gabbroic dykes, typically contains minor amounts of fine-grained pyrrhotite ± pyrite and very rare chalcopyrite localized along foliation and fracture planes, contact with overlying gabbro is indistinct, lower contact with mafic flows is sharp at 45° to the core axis.	93444 93445 93446	231.55 232.55 233.55	232.55 233.55 234.49	1.00 1.00 0.94	<5 <5 14	<1 2 2	175 183 363	9 <1 <1	18 34 29
234.49	238.00	Mafic Flow	Medium- to dark green, medium-grained, weakly foliated mafic flow, weakly calcite carbonatized along fractures, contains trace amounts of fine-grained pyrite, upper and lower contacts sharp at 60° to the core axis.									

Page: 8 of 9

Met	terage	Rock Type	Description (colour, grain size, texture, minerals alteration, etc.)	Sample #	From	То	Length	Au	Ag	Cu	Pb	Zn
From	To							ppb	ppm	ppm	ppm	ppm
238.00	238.76	Mafic Tuff	Banded, green and black, medium-grained, moderately foliated (at 60° to the core axis), biotitic mafic tuff, strongly carbonatized with calcite.									
	T				I							1
238.76	240.00	Gabbro	Dark green, coarse-grained, massive gabbro, occasional calcite-quartz vein, lower contact sharp at 80° to the core axis.									
	1	·	T		Γ		1					1
240.00	241.75	Mafic Flow	Dark green, fine-grained, massive to weakly foliated mafic flow, occasional gabbroic patches, non-magnetic, weakly carbonatized along fractures with calcite.									
		1										·
241.75	262.73	Feldspar Porphyry	Medium grey, fine- to medium-grained, massive to weakly foliated, very hard intermediate to felsic feldspar porphyry comprising up to 5% variably sausseritized plagioclase phenocrysts/clasts (?) up to 3 mm in size set in a fine-grained matrix of quartz, feldspar and black acicular amphibole ± biotite; locally weakly sericitized, occasional fracture fillings of quartz and calcite, typically contains trace amounts of fine-grained pyrite ± pyrrhotite and very rare chalcopyrite localized along foliation and fracture planes, non-magnetic, contains occasional partially digested mafic xenoliths (?) and narrow mafic flow units, locally appears intrusive, but elsewhere tuffaceous - protolith unknown.	93447 93448	248.80 261.73	249.80 262.73	1.00 1.00	<5 <5	<1 <1	51 28	<1 <1	37 17
	<u> </u>			_			T					т
262.73	265.79	Mafic Flow (?) Gabbro (?)	Dark green, medium- to coarse-grained, weakly foliated mafic flow (?)/gabbro (?), weakly carbonatized along fractures with calcite, trace amounts of pyrrhotite ± very rare chalcopyrite localized in calcite-epidote altered patches and along fractures.	93449 93450 93451	262.73 263.73 264.73	263.73 264.73 265.79	1.00 1.00 1.06	7 52 <5	2 <1 2	103 138 72	<1 <1 <1	34 24 39
265.79	269.62	Feldspar Porphyry	As described above for interval from 241.75 - 262.73, upper contact sharp at 80° to the core axis, lower contact sharp at 60° to the core axis, locally weakly to moderately sericitized and epidotized.	93452	265.79	266.79	1.00	<5	<1	27	2	18

Hole	No.:	ML97-1
		

Page: 9 of 9

Met	terage	Rock Type	Description (colour, grain size, texture, minerals alteration, etc.)	Sample #	From	То	Length	Au ppb	Ag	Cu	Pb	Zn
From	То		- 발문하는 경기에 가장 전혀 가장 함께 가게 되었다. 그렇게 되는 사람이 되었다. 그는 사람이 가장 그 그리고 있다. 그리고 있다. 그리고 있다. - 발문하는 경기에 가장 그 그는 사람이 사람이 가장 그는 사람이 되었다. 그는 사람이 가장 그를 보고 있다. 그는 사람이 되었다. 그는 사람이 되었다. 그는 사람이 되었다. 그는 사람이 되었다. 					900	ppm	ppm	ppm	ppm
269.62	274.87	Mafic Flow (?) Gabbro (?)	As described above for interval from 262.73 - 265.79.									
			<u></u>					<u> </u>	1			L
274.87	275.85	Feldspar Porphyry	As described above for interval from 265.79 - 269.62.	-								
	. <u>L </u>				<u> </u>		<u> </u>		!	<u>.</u>		
275.85	276.20	Mafic Flow	Possible xenolith of fine grained dark green mafic metavolcanic rock within the feldspar porphyry.									
					1			<u> </u>	<u></u>			<u></u>
276.20	295.98	Feldspar Porphyry	As described above for interval from 265.79 to 269.62, moderately fractured, weakly to moderately bleached along fractures (albitized?), occasional narrow chloritic bands at 60° to the core axis, unit becomes markedly biotitic adjacent to its lower contact.									
	1	<u> </u>		!	1		L	L	<u>L</u>]		
295.98	306.75	Mafic Flow (?) Gabbro (?)	Dark green, fine - to medium-grained, massive to weakly foliated mafic flow(?) / Gabbro(?), locally weakly carbonatized with patchy calcite.									
			306.75: End of Hole									1



42L07NW2002

2.18810

MAUN LAKE

020

CLARK-EVELEIGH CONSULTING 1000 ALLOY DRIVE THUNDER BAY, ONTARIO P7B 6A5 1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE (807) 623-6448 FAX (807) 623-6820 **Page 1**

Feb 24, 1998

Job# 9840076

Pro:Muriel Lake

SAMPL	E #	Gold	Gold
Accurassay	Customer	ppb	Oz/t
_		•	.0.001
1 2 3 4 5 6 7	93401	9	<0.001
2	93402	9	<0.001
3	93403	<5	<0.001
4	93404	<5	<0.001
5	93405	6	<0.001
6	93406	<5	<0.001
7	93407	<5	<0.001
8	93408	<5	<0.001
9	93428	<5	<0.001
10	93429	<5	<0.001
11 Check	93429	6	<0.001
12	93430	7	<0.001
13	93431	<5	<0.001
14	93432	<5	<0.001
15	93433	6	<0.001
16	93434	<5	<0.001
17	93435	<5	<0.001
18	93436	9	<0.001
19	93437	9	<0.001
20	93438	<5	<0.001
21 Check	93438	<5	<0.001
22	93439	<5	<0.001
23	93440	<5	<0.001
24	93441	<5	<0.001
25	93442	<5	<0.001
26	93443	9	<0.001
27	93444	<5	<0.001
28	93445	<5	<0.001
29	93446	14	<0.001

Certified By:

John Baca

2.18810

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE (807) 623-6448 Page FAX (807) 623-6820

CLARK-EVELEIGH CONSULTING 1000 ALLOY DRIVE THUNDER BAY, ONTARIO P7B 6A5 Feb 24, 1998

Job# 9840076

Pro:Muriel Lake

SAMPL	E #	Gold	Gold
Accurassay	Customer	ppb	Oz/t
30	93447	<5	<0.001
31 Check	93447	<5	<0.001
32	93448	<5	<0.001
33	93449	7	<0.001
34	93450	52	0.002
35	93451	<5	<0.001
36	93452	<5	<0.001

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE (807) 623-6448 Page ^f1 (807) 623-6820

CLARK-EVELEIGH CONSULTING 1000 ALLOY DRIVE THUNDER BAY, ONTARIO P7B 6A5 Feb 9, 1998

Job# 9840045

Pro:Muriel Lake

SAMPL	E #	Gold	Gold
Accurassay	Customer	ppb	Oz/t
_	00450	37	0.001
1 2	93453		
2	93454	17	<0.001
3	93455	119	0.003
4	93456	73	0.002
3 4 5 6	93457	263	0.008
6	93409	13	<0.001
7	93410	31	<0.001
8 9	93411	46	0.001
9	93412	32	<0.001
10	93413	60	0.002
11 Check	93413	38	0.001
12	93414	35	<0.001
13	93415	27	<0.001
14	93416	23	<0.001
15	93417	146	0.004
16	93418	10	<0.001
17	93419	24	<0.001
18	93420	6	<0.001
19	93421	10	<0.001
20	93422	19	<0.001
21 Check	•	24	<0.001
21 Check 22	93423	376	0.011
	93424	75	0.002
23	93424	6	<0.001
24		< 5	<0.001
25	93426	<5	<0.001
26	93427	<3	<0.001

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE (807) 623-6448 FAX (807) 623-6820

Page 1

CLARK-EVELEIGH CONSULTING 1000 ALLOY DRIVE THUNDER BAY, ONTARIO P7B 6A5

Feb 9, 1998

Job# 9840045

Pro:Muriel Lake

SAM	PLE #	Silver	Copper	Lead	Zinc
Accurassay	Customer	ppm	ppm	ppm	ppm
1	93453	5	100	<1	87
2	93454	3	69	3	95
3	93455	4	128	10	76
	93456	4 5	779	8	1061
4 5 6	93457	10	2512	2	44
6	93409		140	<1	60
7	93410	3	693	<1	47
8	93411	4	572	<1	36
9	93412	4	568	<1	87
10	93413	2	99	<1	63
11	93414	2	59	<1	272
12	93415	<1	63	6	112
13	93416	2	325	5	44
14	93417	5	652	<1	34
15	93418	<1	106	<1	19
16	93419	2	540	4	49
17	93420	<1	96	<1	13
18	93421	3	82	<1	46
19	93422	3 2 8	159	<1	32
20	93423	8	3993	<1	24
21	93424	4	1849	<1	25
22	93425	<1	190	<1	16
23	93426	<1	126	<1	874
24	93427	<1	86	<1	24

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE (807) 623-6448 FAX (807) 623-6820

Page 1

Feb 24, 1998

Job# 9840076

Pro:Muriel Lake

CLARK-EVELEIGH CONSULTING
1000 ALLOY DRIVE
THUNDER BAY, ONTARIO
D7R 6A5

SAM	PLE #	Silver	Copper	Lead	Zinc
Accurassay	Customer	ppm	ppm	ppm	ppm
_	00401	.9	175	<1	26
1 2 3 4	93401	<1	217	<1	39
2	93402	<1	112	<1	30
3	93403	<1			
4	93404	3	149	<1	40
5 6	93405	<1	241	<1	9
6	93406	<1	113	<1	11
7	93407	<1	97	<1	25
8 9	93408	<1	101	<1	31
9	93428	<1	159	<1	14
10	93429	<1	192	<1	17
11	93430	<1	86	3	19
12	93431	<1	6	2	13
13	93432	<1	8	<1	18
14	93433	2	65	<1	47
15	93434	2	73	<1	58
16	93435	2	135	<1	57
17	93436	2 2 2	189	<1	86
18	93437	2	131	<1	44
19	93438	<1	199	<1	51
20	93439	2	147	<1	35
21	93440	<1	166	<1	18
22	93441	<1	183	<1	12
23	93442	2	370	<1	14
24	93443	2	265	<1	17
25	93444	<1	175	9	18
26	93445	2	183	<1	34
27 27	93446	2	363	<1	29
28	93447	<1	51	<1	37
29	93448	<1	28	<1	17
49	33440	~		· -	

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P78 6G3 PHONE (807) 623-6448 PAGE 2 FAX (807) 623-6820

Feb 24, 1998

Job# 9840076

Pro: Muriel Lake

CLARK-EVELEIGH	CONSULTING
1000 ALLOY DRI	VE
THUNDER BAY, C	NTARIO
P7B 6A5	

SAM	PLE #	Silver	Copper	Lead	Zinc
Accurassay	Customer	ppm	ppm	ppm	ppm
30	93449	2	103	<1	34
31	93450	<1	138	<1	24
32	93451	2	72	<1	39
33	93452	<1	27	2	18

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE (807) 623-6448 FAX(897) 623-6820

Mar 4, 1998

Job #9840076

CLARK EVELEIGH CONSULTING 1000 ALLOY DR. THUNDER BAY, ONTARIO P7B 6A5

Sample #	\$i02 %	Al 203 %	Fe203 %	MgO %	Ca0 %	Na20 %		P205 %				Cr203 %		% LO1	Total %
93408	48.35	14.74	12.30	5.68	14.07	1.41	0.20	0.451	1.26	0.232	0.002	0.116	0.024	2.2	101.0
93431	74.13	14.81	1.20	0.29	1.17	3.68	1.75	0.040	0.04	0.022	0.031	0.047	0.010	1.6	98.8
93432	69.19	15.81	3.06	1.09	2.90	4.47	1.08	0.224	0.33	0.027	0.032	0.023	0.027	0.6	98.9
93447	65.12	16.40	5.70	1.63	4.66	4.05	0.84	0.201	0.60	0.085	0.041	0.011	0.037	0.5	99.9

1070 LITHIUM DRIVE, UNIT 2 THUNDER BAY, ONTARIO P7B 6G3 PHONE (807) 623-6448 FAX(897) 623-6820

Feb 26, 1998

Job #9840045

CLARK EVELEIGH CONSULTING 1000 ALLOY DR. THUNDER BAY, ONTARIO

Sample #				Fe203 %					P205 %			Ba0 %				Total %
9 3	3409 3421	49.33 32.07	15.77 6.67	12.60 51.97	6.34 3.00	6.90 2.80	3.42 0.51	1.34	0.261 0.492	1.46 0.71	0.144 0.073	0.037 0.011	0.063	0.014	2.3	100.0 98.6



Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990



900

subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the eview the assessment work and correspond with the mining land holder. Recorder, Ministry of Northern Development and Mines, 6th Floor,

> Thunder Bay Mining Division 10.40 am

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240 SEP 1 1 1998

- Please type or print in ink.

1. Recorded holder(s) (Attach a	list if necessary)	RECEIVED
Name		Client Number
Gary Clark + Aub	very theleigh	118570 + 130266 Telephone Number
1000 Alloy Prive		(807) 625-929/
Thunder Bay Ont	PTB 6AS	(857) 625-9293
Name Pierre Gagne.		Client Number 134280
Address	•	Telephone Number
do 1000 Alloy Un	ne (Fax Number
Thurd Bay Ont	P73 6AS	(801) 625-9293
)		_
2. Type of work performed: Che	ck (-) and report on only ONE of the	ne following groups for this declaration.
Geotechnical: prospecting, sur assays and work under section	veys, 1 18 (regs) Physical: drilling trenching and as	, stripping, ssociated assays
Work Type	•	Office Use
DIAMOND DRILLIA	<u> </u>	Commodity
Dates West	· ·	Total \$ Value of \$43,339
Day Month Y	8 To 17 02 98 Bar Day Month Year	NTS Reference
Global Positioning System Data (if available)	Township/Area Mann Lake Area	Mining Division Thursday Bay
	M or G-Plan Number G - 31 9	Resident Geologist District
	epared the technical report (Attach	
	Clark- Evelent Consulting)	(851) 625-929/
1000 Alley Dr. Thurs	4-Bu Oct P7B 6AS	(857) G26-9293
Napre Prian Nulon (Cli	Mr Eveleigh Con Meltin)	Telephone Number (857) 628-9291
Address No. Thus	La BA PTR GAT	(907) 625-9293
Name	at the second section is	Telephone Number
Address	***************************************	Fax Number SECEIVED
		HECEIVED
		SEP 1.5 1998
4. Certification by Recorded Ho	lder or Agent	GEOSCIENCE ASSESSMENT
1. Garry Clork.	do hereby certify the	OFFICE at I have personal knowledge of the facts se
forth in this Declaration of Assessm	nent Work having caused the work to	be performed or witnessed the same during
Signature of Recorded Holds for Agent	pest of my knowledge, the annexed re	Date /
	J. G. Gark.	Sept 10/98
Agent's Address	Telephone N	
0241 (02/96)	eemed Dec 10 198	2.18810

ušt a	ing land where work company this form.	was penormed,	at the mue work	was periormed. A r	nap snowing the d	Contiguous link
rk was ning le lumn t	claim Number. Or if to done on other eligible and, show in this he location number on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank, Value of work to be distributed at a future date.
eg	TB 7827	16 ha	\$26, 825	N/A	\$24,000	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$ 8, 892	\$ 4,000	0	\$4,892
1	TB 1183798	12	43,339	19,200	23,200	939
2 -	TB 1183797	12		19,200	,	•
3	TB 1208983	5		4,000		
4						
5						
6						
7						
8						
9						
10						
11						·
12					<u> </u>	
13						
14					<u> </u>	
15		<u></u>				
		Column Totals	43,339	42,400	13,200	939
	ection 7 (1) of the Asi	/ //		reby certify that the		_
ignat	ure of Recorded/Holder of A	agen/Authorized in W	riting		Date	6pt 10/9
3. I	nstructions for cutti	ha hackgredits	that are not ann	roved.	′ /	/ /
					(/ ,) in the boyo	a bolow to about
	e of the credits claim			back. Please check	(/) in the boxe	S Delow to Silow
you	·			first, followed by	option 2 or 3 or 4	as indicated.
				he claims listed las		
	3. Credits	are to be cut b	ack equally over a	all claims listed in t	his declaration; or	
	4. Credits	s are to be cut t	•	on the attached ap	pendix of PE	ENED
			Thunder I Mining Div	Jay ision	24	30
			SEP 11	1998	SEF	7 1 5 1333
		•	RECEI	VED	GEOSCIE	NCE ASSESSMENT OFFICE
Note	e: If you have not ind followed by option		credits are to be		l be cut back from	the Bank first,
For	Office Use Only					
	ived Stamp		Deer	ned Approved Date	Dat	e Notification Sent
		18	R I O Date	Approved	Tot	al Value of Credit Appr
	.5		App	roved for Recording by M	lining Recorder (Signatu	re)



Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use) &ર 05

'ersonal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/98. Under scilion 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with ne mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 5th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 686.

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
DIAMOND DRILLING	302 metres	78/metre	23,624
Suprogion	7 mm - days	32//day	2,247
rogging core, con-shed	10 man-days	305 Day	3,050
Setup, moving core	7		-
Con splitting	2 man-days	268 day	535
Musing cole to	2 mn - days	268 day	535
report maps etc.	1	·	1,312
asociated Costs (e.g. supplies,	mobilization and demobilization).		·
MOB-DISMOR		5,350	
Loader rental (plowing of road)		1,452	
Core Trays		1,011	
Field Supplies	,		48
Assays.			1,496
	ortation Costs		
Milean (5,450k	m e 354)		2,042
Gas.			558
	nd Lodging Costs		
Tool			79
Total Value of Assessment Work Thunder Bay Mining Division		43,339	

Calculations of Filing Discounts:

SEP 1 1 1998

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.

If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK

 \times 0.50 =

Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.

- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification Minister may reject all or part of the assessment work submitted.

> SEP 1 5 1998

GEOSCIENCE ASSESSMENT

_ , do hereby certify, that the amounts shown are as accurate as may

reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on

the accompanying Declaration of Work form as agent, or state company position with signing authority)

to make this certification.

Certification verifying costs:

2.18

Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

January 25, 1999

JAMES GARNET CLARK 120 ROBINSON DRIVE THUNDER BAY, Ontario P7A-6G5



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

Telephone: (888) 415-9846 Fax: (877) 670-1555

Visit our website at: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Dear Sir or Madam:

Submission Number: 2.18810

Status

Subject: Transaction Number(s):

W9840.00585 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Steve Beneteau by e-mail at steven.beneteau@ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

ORIGINAL SIGNED BY

Blair Kite

Supervisor, Geoscience Assessment Office

Mining Lands Section

Work Report Assessment Results

Submission Number:

2.18810

Date Correspondence Sent: January 25, 1999

Assessor:Steve Beneteau

Transaction Number

First Claim

Number

Township(s) / Area(s)

Status

Approval Date

W9840.00585

1183798

MAUN LAKE

Approval After Notice

January 19, 1999

Section:

16 Drilling PDRILL

The 45 days outlined in the Notice dated December 05, 1998 have passed.

Assessment work credit has been approved as outlined on the attached Distribution of Assessment Work Credit sheet.

Correspondence to:

Resident Geologist

Thunder Bay, ON

Assessment Files Library

Sudbury, ON

Recorded Holder(s) and/or Agent(s):

JAMES GARNET CLARK

THUNDER BAY, Ontario

PIERRE GAGNE

THUNDER BAY, Ontario

AUBREY JOHN EVELEIGH THUNDER BAY, ONTARIO

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

Date: January 25, 1999

Submission Number: 2.18810

Transaction Number: W9840.00585

Claim Number

Value Of Work Performed

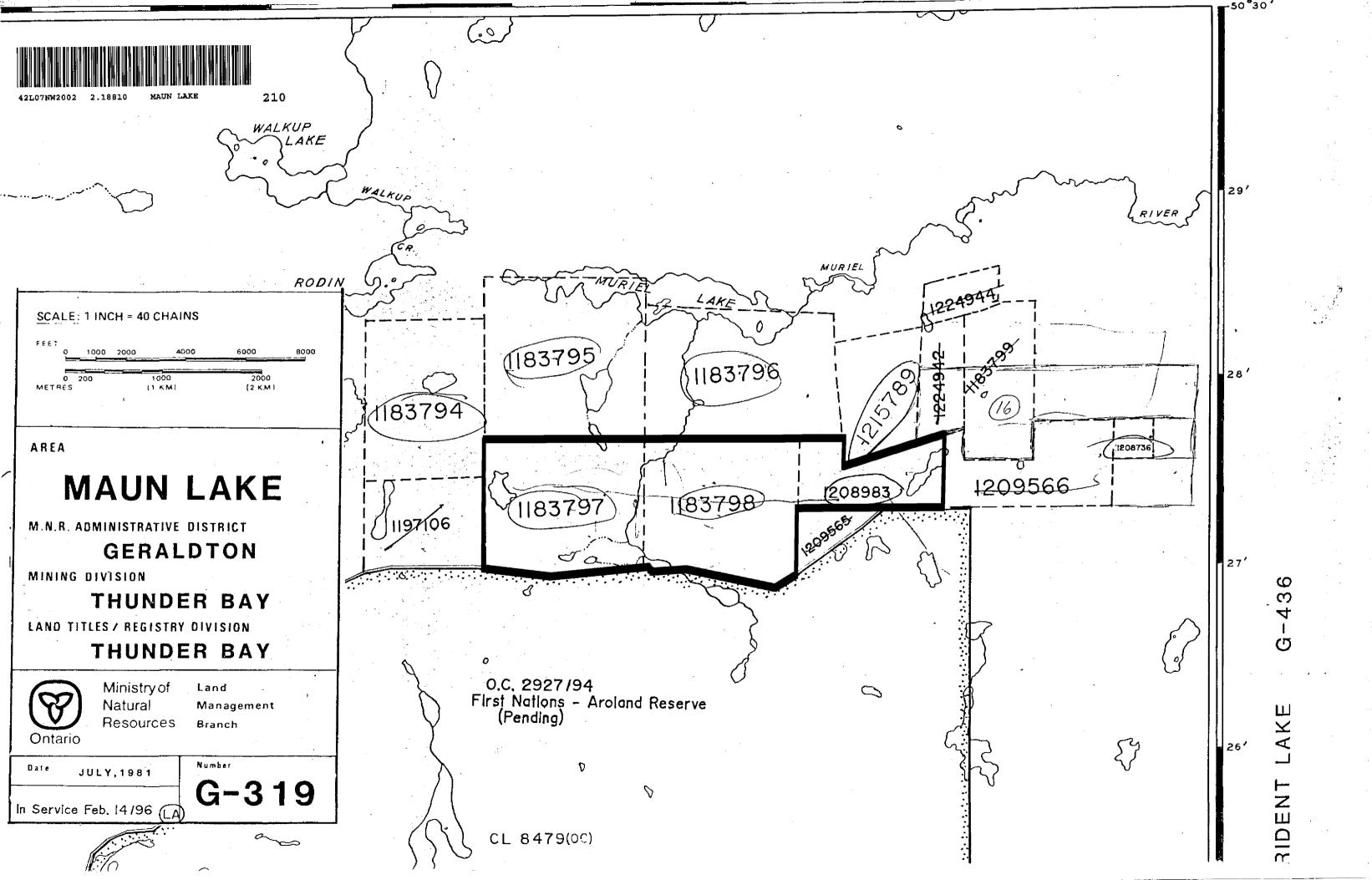
1183798

41,480.00

Total: \$

41,480.00

REFERENCES REFERENCES TERRIER LAKE G-429 AREAS WITHDRAWN FROM DISPOSITION NOTICE:
The information that appears on this map has been compiled from various sources and accuracy is not guaranteed. Those wishing to stake MINING CLAIMS should consuit with the MINING RECORDER, Ministry of Northern Development and Mines, for additional information on the status of the lands shown hereon. M.R.O. - MINING RIGHTS ONLY S.R.O. - SURFACE RIGHTS ONLY M.+S. - MINING AND SURFACE RIGHTS DATE OF ISSUE RIVER APR 0 6 1999 PROVINCIAL RECORDING
OFFICE - SUDBURY RODIN LEGEND 1183795 HIGHWAY AND ROUTE No. 183796 OTHER ROADS 1183794 SURVEYED LINES TOWNSHIPS, BASE LINES, ETC LOTS, MINING CLAIMS PARCELS ETC. **UNSURVEYED LINES** LOT LINES PARCEL BOUNDARY MINING CLAIMS ET 183798 RAILWAY AND RIGHT OF WAY UTILITY LINES NON-PERENNIAL STREAM FLOODING OR FLOODING RIGHTS G SUBDIVISION OR COMPOSITE PLAN RESERVATIONS ORIGINAL SHORELINE O'SULLIVAN MARSH OR MUSKEG TRAVERSE MONUMENT O.C. 2927/94 **DISPOSITION OF CROWN LANDS** First Nations - Aroland Reserve \bigcirc (Pending) TYPE OF DOCUMENT SYMBOL O'SULLIV PATENT, SURFACE & MINING RIGHTS " , SURFACE RIGHTS ONLY , MINING RIGHTS ONLY RIDENT LEASE, SURFACE & MINING RIGHTS " , SURFACE RIGHTS ONLY " , MINING RIGHTS ONLY.. CL 8479(00) LICENCE OF OCCUPATION ORDER-IN-COUNCIL RESERVATION . CANCELLED MAUN LAKE SAND & GRAVEL _ AND USE PERMITS FOR COMMERCIAL TOURISM, OUTPOST CAMPS O'SULLIVAN) 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 7TH BASE LINE 179 M 184M 185M SCALE: 1 INCH = 40 CHAINS 9.75 S89°59'6E 68.20 EAST AST. POST 7 O AREA MAUN LAKE M.N.R. ADMINISTRATIVE DISTRICT GERALDTON ESNAGAMI LAKE PARK MINING DIVISION THUNDER BAY RESERVE LAND TITLES / REGISTRY DIVISION &File:160704 THUNDER BAY SPOTTED 0 LAKE SHORTY Ministry of Land **ESNAGAMI** Natural Management Resources Branch 50°22′30″ Ontario Oate JULY, 1981 ESNAGAMI LAKE G-244 G-319 504884 In Service Feb. 14/96 (1A)



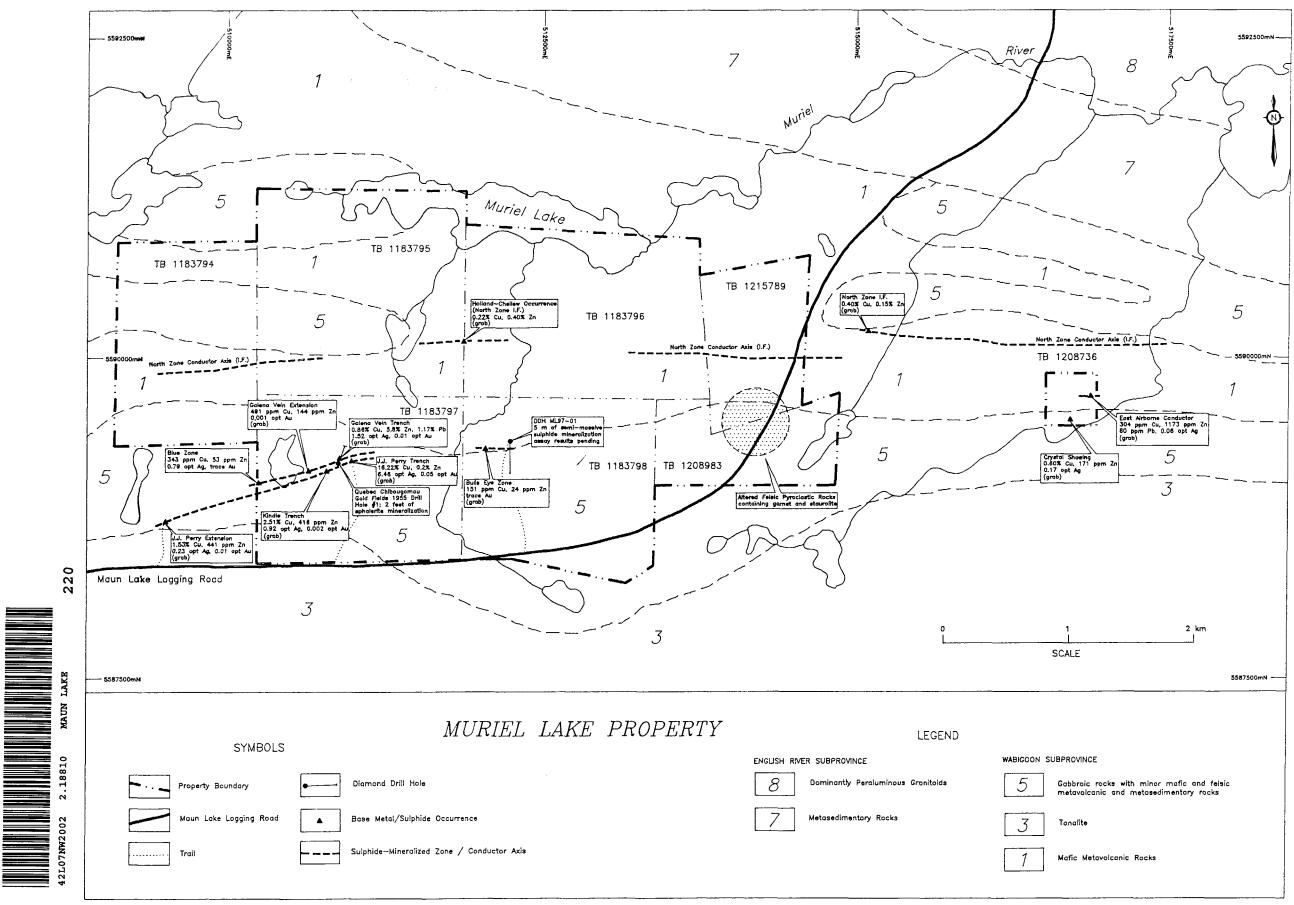


Figure 3. Compilation map showing generalized geology, distribution of mineral occurrences and conductor axes (geology modified after Stott and Parker 1997).

