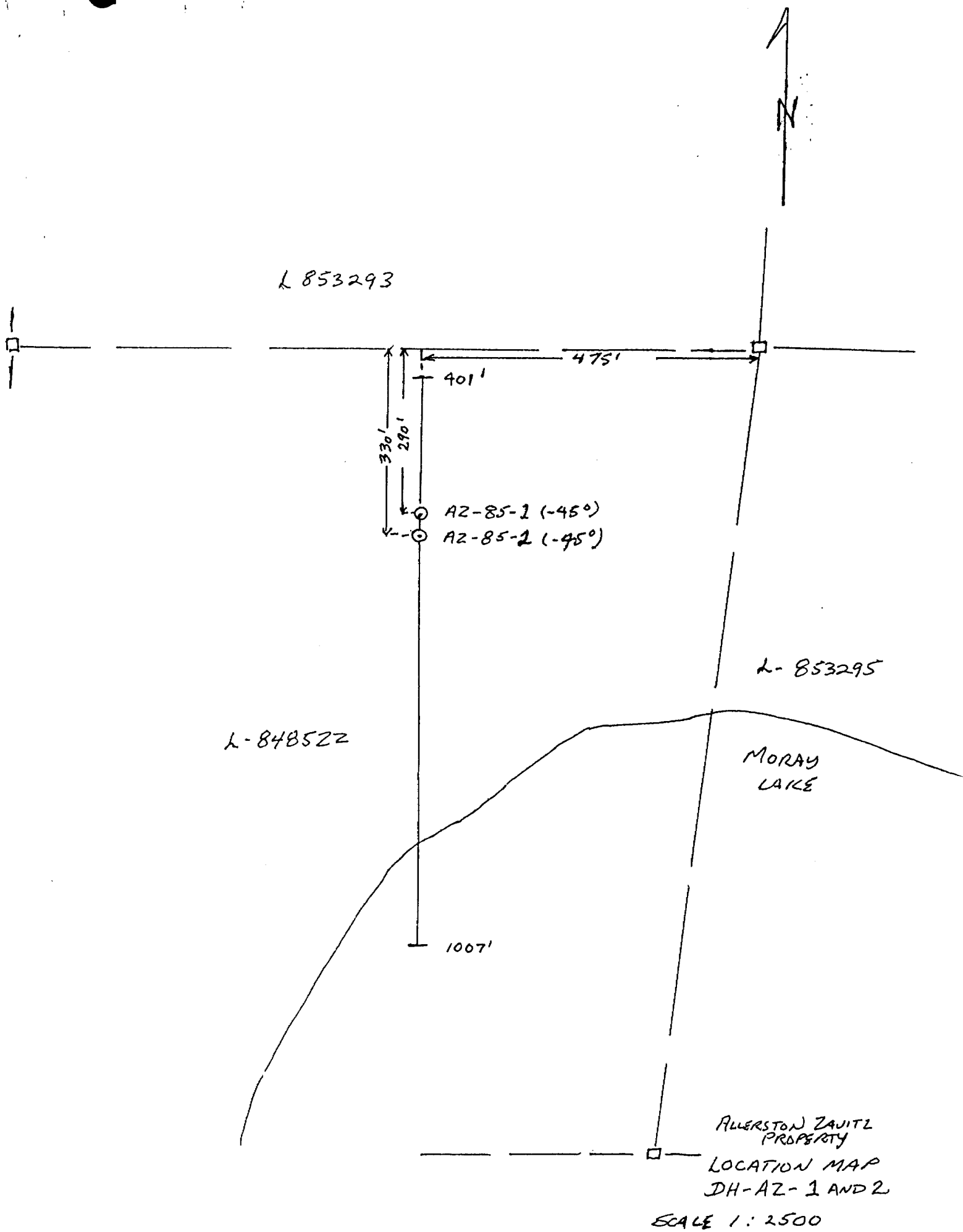




42A03SE0163 2.9407 ZAVITZ

010



L 853293

475'

401'

330'

290'

AZ-85-1 (-45°)

AZ-85-2 (-45°)

L-853295

L-848522

MORAY
LAKE

1007'

ALLERSTON ZAVITZ
PROPERTY

LOCATION MAP
DH-AZ-1 AND 2

SCALE 1:2500

Property	Petromet/Allerston	Length	1,007 ft	Commenced	December 6	Dip: Collar	-45°		
Township	Zavitz	Bearing	Due South	Completed	December 17	Etch Test	Depth	Degrees	
Location	Morey Lake	Dip	-45°	Drilling Co.	Ideal Drilling Ltd.	1	400 feet	-44°	
		Objective		Core Size	NQ	2	1,000 feet	-44°	
Logged by	J. Webster			Casing Left in Hole	22 ft				
Core Location	Swastika Core								
	Library								

Remarks

FROM (ft)	TO (ft)	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au	PPM Ag	PPM Cu	PPM Zn
0	22	Casing-overburden									
22	110	ALTERED PORPHYRITIC SYENITE	3215	22	25	3	NIL				
		- Mottled greenish grey to reddish grey colour, mfg to mg, porphyritic rock	3216	25	28	3	NIL				
		- Up to 70% of rock consists of phenocryst, 90% of which are K-feldspars white-reddish pink (hematized) anhedral to subhedral, 1-5 mm in size and 10% rounded 1-3 mm quartz phenocrysts with minor amount of 1-2 mm green amphibole laths	3217	28	31	3	NIL				
		- Matrix is fg crystalline, more mafic in composition than that of phenocrysts	3218	31	34	3	NIL				
		- Brecciation, extensive fracturing, associated with silicification, carbonatization as fracture fillings and breccia matrix	3219	34	37	3	NIL				
		- Localized hematization, chloratization give the rock reddish-green mottled look	3220	37	40	3	NIL				
		- 1-4% sulphides, py, as fg disseminations and as 2 mm cubes and blebs associated with fine qtz, ± chl, carb, hem fractures	3221	40	43	3	NIL				
		- Prominant foliation, veining, fracturing, direction is 45-60° to C.A.	3222	43	46	3	85				
		- Xenoliths - 22-22.3 mafic metavolcanic rock massive mfg equigranular	3223	46	49	3	30				
		30-43 syenite porphyry, eg with diffuse contacts	3224	49	52	3	NIL				
			3225	52	55	3	NIL				
			3226	55	58	3	NIL				
			3227	58	61	3	20				
			3228	61	64	3	190				
			3229	64	67	3	NIL				
			3230	67	70	3	20				
			3231	70	73	3	130				
			3232	73	76	3	30				
			3233	76	79	3	NIL				
			3234	79	82	3	30				
			3235	82	85	3	NIL				
			3236	85	88	3	NIL				
			3237	88	91	3	NIL				
			3238	91	94	3	NIL				
			3239	94	97	3	NIL				
			3240	97	100	3	10				

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au	PPM Ag	PPM Cu	PPM Zn	
110	184.6	BRICK RED SYENITE - 110-112 gradational contact, strongly brecciated fg red syenite with chl, qtz fractures, 2-3% py cubes and vfg disseminations - Uniform, mfg crystalline, brick red syenite with 10-30% porphyritic phenocrysts - Phenocrysts predominantly reddish to white, K-feldspar, 1-5 mm in size and some rounded 1-3mm quartz - Rock is strongly hematized extensively factured with silicification, minor chloritization carbontization associated with fracturing - Sulphides 1-5% consist predominantly of py plus mte vfg as fracture slips giving the rock a marbled look, py 1-3% as vfg disseminations and blebs associated with qtz veinlets - Predominant veining and fracturing direction @ 50° to C.A. 157-163: Ultramafic Xenolith dark grey black contact upper/lower 70° to C.A., talcose 2-3% py as fg disseminations 167.9-172: Mafic Syenite Xenolith, black-reddish porphyritic syenite predominant phenocrysts 2-3 mm amphibole laths with white K-spar and minor qtz	3241	100	103	3	NIL					
			3242	103	106	3	NIL					
			3243	106	109	3	NIL					
			3244	109	112	3	NIL					
			3245	112	115	3	220	0.006				
			3246	115	118	3	170					
			3247	118	121	3	330	0.01				
			3248	121	124	3	190					
			3249	124	127	3	90					
			3250	127	130	3	200	0.005				
			3251	130	133	3	20					
			3252	133	136	3	130					
			3253	136	139	3	150					
			3254	139	142	3	30					
			3255	142	145	3	NIL					
			3256	145	148	3	NIL					
			3257	148	151	3	NIL					
			3258	151	154	3	20					
			3259	154	157	3	10					
			3260	157	160	3	NIL					
			3261	160	163	3	20					
			3262	163	166	3	NIL					
			3263	166	169	3	20					
3264	169	172	3	NIL								
3265	172	175	3	60								
3266	175	179	4	NIL								
3267	179	183	4	20								
184.6	324.5	SYENITE PORPHYRY - Contact @ 80° to C.A. - Maroon, cg porphyritic rock, with 50-70% of the rock consisting phenocrysts - Phenocryst, 90% K-feldspar white to reddish-pink, 3 mm to 1 cm in size, subhedral, occasionally zoned; 10% rounded quartz, 2-4 mm crystals, minor amphibole laths - Groundmass is mcg equigranular consisting of feldspar, amphibole, chlorite and some quartz - Two predominant foliations, seen in the rock @ 45° and 90° to C.A. - Massive rock with some fracturing and alteration, pervasive hematization with quartz + carbonate and chlorite veinlets and fracture fillings - 1-3% py as fg disseminations in the matrix minor mte - minor epidote veins 243-251: Quartz Breccia zone, Syenite porphyry fragments in a qtz, (carb, chl) matrix 3-4% py as fg disseminations and blebs	3268	183	186	3	20					
			3269	186	189	3	NIL					
			3270	189	193	4	NIL					
			3271	193	196	3	NIL					
			3272	196	199	3	50					
			3273	199	202	3	30					
			3274	202	205	3	20					
			3275	205	208	3	NIL					
			3276	208	211	3	20					
			3277	211	214	3	NIL					
			3278	214	217	3	30					
			3279	217	220	3	30					
			3280	220	223	3	NIL					
			3281	223	226	3	45					
			3282	226	229	3	20					
			3283	229	232	3	NIL					
			3284	232	235	3	30					
3285	235	238	3	20								
3286	238	241	3	40								
3287	241	244	3	60								
3288	244	247	3	80								

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au	PPM Ag	PPM Cu	PPM Zn
184.6	324.5	267.3-268.5: Mafic metavolcanic Xenolith, dark green, fg, massive rock 290-291.6: Black chloritic, talcose Xenolith possibly ultramafic, metavolcanic rock, mte some py, brecciated with quartz, carbonate matrix 297-300: Same as 290-291.6 311.5-324.5: Porphyritic phase mcg Syenite with 60% K-spar phenocrysts minor Qtz, amphibole	3289	247	250	3	NIL				
			3290	250	253	3	130				
			3291	253	256	3	20				
			3292	256	259	3	20				
			3293	259	262	3	30				
			3294	262	265	3	10				
			3295	265	268	3	NIL				
			3296	268	271	3	NIL				
			3297	271	274	3	30				
			3298	274	277	3	40				
			3299	277	280	3	NIL				
			3300	280	283	3	10				
			99824	283	286	3	20				
			99825	286	289	3	20				
			99826	289	292	3	335				
			99827	292	295	3	50				
			99828	295	297	2	60				
			99829	297	300	3	NIL				
			99830	300	303	3	20				
			99831	303	306	3	75				
			99832	306	308	2	30				
			99833	308	311	3	20				
			99834	311	314	3	90				
99835	314	317	3	30							
99836	317	320	3	60							
99837	320	323	3	30							
324.5	359.3	SYENITIZED BASALT - Greenish-grey to maroon, mfg equigranular basalt - Brecciated, and fractured with associated silicification, chloritization minor carbonate, and quartz veinlets and epidote blebs - 2-3% py as fg disseminations and blebs associated with Qtz, chl fractures - Sph, brown crystals in quartz at 336.2 - Zones of intense hematization often accompanied by minor phenocryst of K-feldspar	99838	323	326	3	130				
			99839	326	329	3	20				
			99840	329	332	3	20				
			99841	332	335	3	NIL				
			99842	335	338	3	NIL				
			99843	338	341	3	NIL				
			99844	341	344	3	NIL				
			99845	344	347	3	NIL				
			99846	347	350	3	NIL				
			99847	350	353	3	NIL				
			99848	353	357.3	4.3	NIL				
99849	357.3	359.3	2.3	NIL							
359.3	377.7	MAFIC SYENITE PORPHYRY - Contact @ 50° to C.A. is mineralized with 7-10% py as stringers and blebs - Light grey, mcg, porphyry with 60% of rock consisting of phenocrysts - Phenocrysts consist of predominantly white to pink K-feldspars and green amphibole laths ranging in size from 1-3 mm, minor rounded quartz phenocrysts	99850	359.3	363	3.7	NIL				
			99851	363	366	3	NIL				
			99852	366	369	3	NIL				
			99853	369	372	3	NIL				
			99854	372	375	3	NIL				
99855	375	378	3	NIL							

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au	PPM Ag	PPM Cu	PPM Zn
359.3	377.7	- Matrix is greyish green, the fg equivalent of the phenocrysts - Minor alteration, chloritization some hematization - 1-2% py as fg disseminations									
377.7	833.4	ARGILLITE - SILTSTONE - Homogeneous grey dark grey-black fg to vfg argillaceous, medium-hard often shows a somewhat conchoidal fracturing - Bedding is often graded, determined to be uphole, bed thickness range from 5 mm to 10 cm averaging 3 cm, contacts between beds often diffuse @ 45 to 60° to C.A. - Composition is difficult to determine due to the fine grain size and Uniform colour 377.8-537.5: The argillite is strongly brecciated and fractured, bedding has been displaced and altered, sericitized; silicified with chlorite fractures and minor carb + quartz veinlets - some epidote veinlets and blebs - 1-3% sulphides py associated with fracturing and (carb) qtz, chl veinlets/fractures 420.8-422: Mafic Syenite Porphyry as in 324.5-359.3 ft 429.8-432: Mafic Syenite Porphyry as in 324.5-359.3 ft 443-444.5: Mafic Syenite Porphyry as in 324.5-359.3 ft 537.5-817.6: The argillite in this section is less brecciated and fractured. Alteration; sericitization minor silicification, with chlorite fractures, also present are quartz (carb) veinlets @ 65° to C.A. - 1-3% sulphides py as fg disseminations and blebs associated with qtz fractures 817.7-833.4: Brecciated Argillite, with carbonate, quartz fractures and veinlets - 2-3% sulphides py blebs and disseminations, epidote veinlets, chlorite slips, fine po fractures 1-2%	99856 99857 99858 99859	378 381 384 387	381 384 387 390	3 3 3 3	NIL NIL NIL 10				
			99861 99862	828 831	831 833	3 3	NIL NIL				

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LRNGTH	PPB Au	oz/T Au	PPM Ag	PPM Cu	PPM Zn
833.4	834.4	GRAPHITE SULPHIDE ZONE - Upper contact @ 90° to C.A. lower contact @ 80° to C.A. - Black vfg graphitic sediment, finely bedded 2-6 mm in width, bedding @ 80° to C.A. - Quartz (carb) fractures often parallel to bedding - 3-4% Sulphides mainly po some py as fine stringers and nodules (py cores with po rims)	99863	833	836	3	10		0.3	143	980
834.4	836	ARGILLITE - SILTSTONE - Same as: 317.7 to 833.4 ft 335.5-335.7: Sulphide Graphite zone; same as 833.4 to 834.4 835.7-836: Gradational contact; silicified, carbonatized with green fuchsite, 10-15% py/po as nodules, stringers and fg disseminations									
836	842.2	GRAPHITE - SULPHIDE ZONE - Upper, lower contact @ 80° to C.A. - Black, vfg, graphitic sediment, finely bedded, varying 2 mm - 1 cm in width @ 80° to C.A. - Quartz, carbonate veinlets, and fractures, often parallel to bedding, associated with sulphide mineralization - 5-7% sulphide mineralization py, (po) as stretched nodules and stringers parallel to bedding po (cpy) mineralization, po rims with small cpy grains in centre	99864 99865	836 839	839 842	3 3	20 35		1.1	585	3,130
842.2	848.5	SYENODIORITE - Upper, lower contacts @ 85°, 90° to C.A. respectively - Greenish-grey, mfg, equigranular - Porphyry consists of 45-50% pinkish, anhedral-subhedral 2-3 mm K-feldspars often saussertized, with 10% amphibole laths, 1-2mm in size - Matrix is of similar composition, but more chloritic with 1-2% sulphides as fg py disseminations, minor mte - Quartz (carbonate) chlorite veinlets near contacts with 1-2% py blebs	99866 99867	842 845	845 848.5	3 3.5	NIL 10				

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au	PPM Ag	PPM Cu	PPM Zn
848.5	850.5	GRAPHITE SULPHIDE ZONE - Upper, lower contacts @ 90° to C.A. - Same as 836-842.2; Graphite Sulphide zone - Extensively fractured, brecciated with quartz-carbonate, sulphide matrix and fracture fillings - Sulphide 3-6%, pyrite occurs as fine stringers, stretched nodules, minor specular hematite along bedding planes, and minor cpy grains associated with py	99868	848.5	850.5	2	NIL		1.5	1,200	7,300
850.5	865.8	SYENODIORITE - Upper, lower contacts @ 80 to 90° to C.A. - Same as: 842.2-848.5 ft - Brecciation of Syenodiorite at graphite sulphide contact with syenodiorite fragments in a quartz carbonate, graphite-sulphide matrix - Breccia mineralized with 3-6% py as stringers nodules, and fg disseminations within matrix, chlorite fractures and epidote veinlets 853-855.5: GRAPHITE - SULPHIDE ZONE same as 836-842.2; sulphides 3-5% mainly py as stringers, stretched nodules minor cpy grains 864.3-865.8: SYENODIORITE - GRAPHITIC BRECCIA 5% sulphides po, py as vfg (dust) disseminations in matrix, fragments of fuchsitic argillite	99869 99870 99871 99872 99873 99874	850.5 853 855.5 857 860 863	853 855.5 857 860 865	3.5 2.5 1.5 3 3 2	NIL 20 NIL 20 NIL NIL		0.7 191	810	
865.8	886.5	GRAPHITE SULPHIDE ZONE - Upper, lower contacts @ 90° to C.A. - Same as 836-842.2 graphite sulphide zone - Finely bedded graphitic argillite with convoluted beds @ 70 to 80° C.A. - Mineralization 5-7% py/po (60/40 ratio) trace cpy as fine stringers, stretched nodules often parallel to bedding associated with quartz-carbonate veinlets and fractures, cpy grains surrounding by po 877-886.5: Carbonate Quartz breccia with 10-15% sulphides, po/py (70/30 ratio) minor cpy associated with po - Graphite fuchsite sediment at lower contact	99875 99876 99877 99878 99879 99880 99881	865 868 871 874 877 880 883	868 871 874 877 880 883 886.5	3 3 3 3 3 3 3.5	NIL 20 30 60 20 40 NIL		0.6 0.4 0.7 1.0 0.4 1.0 0.2	361 174 459 627 197 492 132	2,430 1,830 4,800 10,300 1,340 4,460 301
886.5	906.8	CARBONATE BRECCIA - Light, greenish-grey, extensively fragmented carbonatized rock	99882 99883	886.5 890	890 893	3.5 3	NIL NIL				

Property	<u>Petromet/Allerston</u>	Length	<u>401 feet</u>	Commenced	<u>December 17, 1985</u>	Dip: Collar	<u>45°</u>
Township	<u>Zavitza</u>	Bearing	<u>Due North</u>	Completed	<u>December 24, 1985</u>		
Location	<u>Morey Lake</u>	Dip	<u>-45°</u>	Drilling Co.	<u>Ideal Drilling</u>	Etch Test	Depth Degrees
		Objective		Core Size	<u>NQ</u>	<u>1</u>	<u>400 feet</u> <u>-50°</u>
Logged by	<u>J. Webster</u>			Casing Left in Hole	<u>14 feet</u>		
Core Location	<u>Swastika Core</u>						
	<u>Library</u>						

Remarks

FROM FEET	TO FEET	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au				
0	14	Casing-Overburden										
14	99	ALTERED PORPHYRITIC SYENITE										
		- Mottled greenish-grey to reddish grey, mfg to mg, porphyritic rock	3307	14	17	3	NIL					
			3308	17	20	3	20					
		- Up to 50% of rock consists of phenocrysts predominantly consisting of K-feldspars, white to pinkish red, subhedral, 1-3 mm in size, minor amounts of 1-2 mm green amphibole laths and rounded quartz phenocrysts	3309	20	23	3	30					
			3310	23	26	3	80					
			3311	26	29	3	20					
			3312	29	32	3	10					
			3313	32	35	3	60					
		- Groundmass is fg equigranular, strongly altered; silicified, carbonatized, hematized and chloritized	3314	35	38	3	10					
			3315	38	41	3	NIL					
		- Brecciation, extensive fracturing with quartz, carbonate and chlorite as matrix material and fracture fillings and veinlets predominantly at 40-50° to C.A.	3316	41	44	3	NIL					
			3317	44	47	3	NIL					
			3318	47	50	3	10					
			3319	50	53	3	NIL					
		- 1-3% sulphides; py as fg disseminations and as 1 mm cubes, and blebs associated with Qtz, carb and/or chl. veinlets and fractures; minor vfg mte as dustings or along fractures	3320	53	56	3	100					
			3321	56	59	3	NIL					
			3322	59	62	3	30					
			3323	62	65	3	20					
		31.5-35: Strongly brecciated syenite, hematized with quartz, chlorite (carb) fractures, 5-6% py mineralization	3324	65	68	3	10					
			3325	68	71	3	NIL					
			3326	71	74	3	30					
		45-47.5: Brecciated, syenite, oxidized, iron carbonate, minor sph-brown crystals	3327	74	77	3	10					
			3328	77	80	3	50					
		57.8-58.2: Syenite porphyry Xenolith, cg massive with 60% feldspar phenocrysts	3329	80	83	3	NIL					
			3330	83	86	3	NIL					
			3331	86	89	3	NIL					
			3332	89	92	3	30					



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

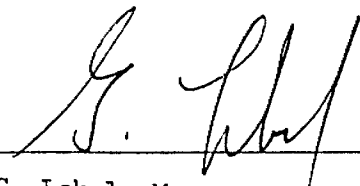
Certificate No. 62062

Date: Dec. 30, 1985

Received Dec. 17, 1985 54 Samples of Split core

Submitted by M.P.H. Consulting Ltd. Toronto, Ontario Proj.#C-817

SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB
3215	Nil	3235	Nil	3255	Nil
3216	Nil	3236	Nil	3256	Nil
3217	Nil	3237	Nil	3257	Nil
3218	Nil	3238	Nil	3258	20
3219	Nil	3239	Nil	3259	10
3220	Nil	3240	Nil/10	3260	Nil
3221	Nil	3241	Nil	3261	20
3222	90/80	3242	Nil	3262	Nil
3223	30	3243	Nil	3263	20
3224	Nil	3245	220	3264	Nil
3225	Nil	3246	170	3265	50/70
3226	Nil	3247	360/300	3266	Nil
3227	20	3248	190	3267	20
3228	190/190	3249	90	3268	20
3229	Nil	3250	200		
3230	20	3251	20		
3231	130	3252	130		
3232	30	3253	150/140		
3233	Nil	3254	30		
3234	30				

Per 
G, Lebel, Manager

ESTABLISHED 1928



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

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Certificate of Analysis

Certificate No. 62096

Date: Jan. 13, 1986

Received Dec. 19, 20 & 23/85 119 Samples of split core

Submitted by M.P.H. Consulting Ltd., Toronto, Ontario proj#C-817

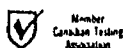
page 1 of 3

SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB
3269	Nil	3289	Nil	3310	90
3270	Nil	3290	120		70
3271	Nil		140	3311	20
3272	60	3291	20	3312	10
	40	3292	20	3313	60
3273	30	3293	30	3314	10
3274	20	3294	10	3315	Nil
3275	Nil	3295	Nil	3316	Nil
3276	20	3296	Nil	3317	Nil
3277	Nil	3297	30	3318	10
3278	30	3298	40	3319	Nil
3279	30	3299	Nil	3320	80
3280	Nil	3300	10		120
3281	30	3301	Nil	3321	Nil
	60	3302	Nil	3322	30
3282	20	3303	Nil	3323	20
3283	Nil	3304	Nil	3324	10
3284	30	3305	Nil	3325	Nil
3285	20	3306	Nil	3326	30
3286	40	3307	Nil	3327	10
3287	60	3308	20	3328	60
3288	80	3309	30		40

con/t...

Per G. Lebel
G. Lebel, Manager

ESTABLISHED 1928





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 62096

Date: Jan. 13, 1986

Received Dec. 19, 20 & 23/85 119 Samples of splitcore

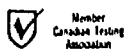
Submitted by M.P.H. Consulting Ltd., Toronto, Ontario proj#C-817

page 2 of 3

SAMPLE	GOLD PPB	SAMPLE NO.	GOLD PPB
3329	Nil	3349	Nil
3330	Nil	3350	Nil
3331	Nil	3351	Nil
3332	30	3352	Nil
3333	Nil	3353	Nil
3334	20	3354	Nil
3335	30	3355	Nil
3336	30	3356	Nil
3337	120 100	3357	20
3338	Nil	3358	10
3339	10	3359	Nil
3340	10	3360	Nil
3341	Nil	99824	20
3342	Nil	99825	20
3343	Nil	99826	330 340
3344	Nil	99827	50
3345	Nil	99828	60
3346	Nil	99829	Nil
3347	Nil	99830	20
3348	30 40	99831	80 70

con/t...

Per
G. Lebel, Manager



ESTABLISHED 1928



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P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

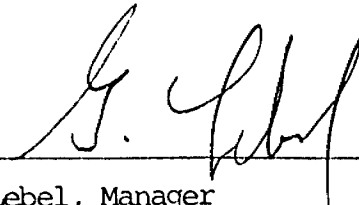
Certificate No. 62078

Date: Jan. 7, 1986

Received Dec. 18, 1985 49 Samples of split core

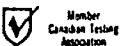
Submitted by M.P.H. Consulting Ltd., Toronto, Ontario proj#C-817

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM
99874	Nil	0.3	166	1300
99875	Nil	0.6	361	2430
99876	20	0.4	174	1830
99877	30	0.7	459	4800
99878	60 60	1.0	627	10300
99879	20	0.4	197	1340
99880	40	1.0	492	4460
99881	Nil	0.2	132	301
99882	Nil			
99883	Nil			

Per 

G. Lebel, Manager

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SWASTIKA LABORATORIES LIMITED

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Certificate of Analysis

Certificate No. 62078

Date: Jan. 7, 1986

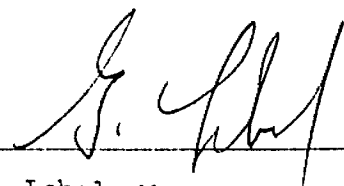
Received Dec. 18, 1985 49 Samples of split core

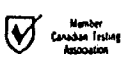
Submitted by M.P.H. Consulting Ltd., Toronto, Ontario proj#C-817

page 1 of 2

SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM
99834	80	99853	Nil			
	100	99854	Nil			
99835	30	99855	Nil			
99836	60	99856	Nil			
99837	30	99857	Nil			
99838	130	99858	Nil			
99839	20	99859	10			
99840	20	99861	Nil			
99841	Nil	99862	Nil			
99842	Nil	99863	10	0.3	143	980
99843	Nil	99864	20	0.8	400	3020
99844	Nil	99865	30	1.1	585	3130
99845	Nil		40			
99846	Nil	99866	Nil			
99847	Nil	99867	10			
99848	Nil	99868	Nil	1.5	1200	7300
99849	Nil	99869	Nil			
99850	Nil	99870	20	0.7	191	810
99851	Nil	99871	Nil			
99852	Nil	99872	10			
	Nil	99873	Nil			

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Per 
G. Lebel, Manager



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P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

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Certificate of Analysis

Certificate No. 62096

Date: Jan. 13, 1986

Received Dec. 19, 20 & 23/85 119 Samples of split core

Submitted by M.P.H. Consulting Ltd., Toronto, Ontario proj#C-817

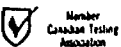
page 3 of 3

SAMPLE NO.	GOLD PPB	SILVER PPM	COPPER PPM	ZINC PPM
99832	30			
99833	20			
99884	Nil			
99885	Nil			
99886	Nil			
99887	Nil			
99888	Nil	Nil	283	58
99889	10	0.2	373	60
99890	Nil			
99891	Nil			
99892	Nil			
99893	Nil			
99894	20			
99895	Nil 30			
99896	10			
99897	Nil			
99898	Nil			
99899	Nil			
99900	Nil			

Per

G. Lebel, Manager

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SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 62062-A

Date: Dec. 31, 1985

Received Dec. 17, 1985 5 Samples of split core

Submitted by M.P.H. Consulting Limited, Toronto, Ontario proj#C-817

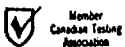
	SAMPLE NO.:	3221	3240	3244	3250	3256
		<i>altered sample</i>	<i>altered sample</i>	<i>altered sample</i>	<i>brick red</i>	<i>brick red grade recovered</i>
SiO ₂ %		61.64	62.17	60.06	60.99	60.71
Al ₂ O ₃ %		14.74	15.23	14.35	14.40	13.70
CaO %		6.01	5.77	5.70	3.52	6.04
MgO %		1.14	1.21	1.88	2.39	2.29
Na ₂ O %		4.23	2.27	2.03	2.85	2.69
K ₂ O %		3.50	3.69	5.44	5.00	6.26
Fe ₂ O ₃ %		5.01	5.34	5.59	6.17	2.77
MnO %		0.09	0.07	0.07	0.06	0.06
TiO ₂ %		0.50	0.53	0.50	0.52	0.32
P ₂ O ₅ %		0.11	0.17	0.08	0.06	0.11
LOI %		1.68	2.68	2.50	3.17	4.27
Cr PPM		1041	605	486	562	354
Pb PPM		-	-	-	-	-
Cu PPM		1040	1011	848	1217	529
Zn PPM		<10	<10	<10	<10	<10
Mn PPM		149	148	127	122	112
Co PPM		<10	<10	<10	<10	<10
Mo PPM		1580	1942	1707	3296	1926

NOTE: Please bear in mind that we use pulverizer plates made of hard chrome steel. This is likely to cause some chromium contamination to samples.

If required a special sample could be prepared using ceramic plates.

Per *G. Lebel*
G. Lebel, Manager

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SWASTIKA LABORATORIES LIMITED

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Certificate of Analysis

Certificate No. 62078-A

Date: Dec. 31, 1985

Received Dec. 18, 1985 4 Samples of split core

Submitted by M.P.H. Consulting Ltd., Toronto, Ontario proj#C-817

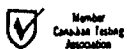
	SAMPLE NO.:	99841 <i>Sample Basalt</i>	99854 <i>Sample Basalt</i>	99866 <i>Sample Basalt</i>	99883 <i>Sample Basalt</i>
SiO ₂ %		43.81	61.86	54.99	46.21
Al ₂ O ₃ %		13.61	15.73	13.51	15.25
CaO %		14.32	4.42	7.00	15.18
MgO %		4.56	2.97	6.23	2.32
Na ₂ O %		1.67	5.70	4.77	4.56
K ₂ O %		1.29	1.36	0.68	0.28
Fe ₂ O ₃ %		9.61	4.65	7.23	5.87
MnO %		0.23	0.08	0.12	0.35
TiO ₂ %		1.73	0.58	0.76	0.82
P ₂ O ₅ %		0.07	0.12	0.32	0.11
LOI %		8.11	1.80	3.06	8.06
Cr PPM		55	304	372	910
Pb PPM		-	-	-	-
Fe PPM		705	832	1112	258
C PPM		17	<10	<10	<10
Si PPM		106	137	164	41
Pb PPM		<10	<10	<10	<10
Ca PPM		295	1048	1104	237

NOTE: Please bear in mind that we use pulverizer plates made of hard chrome steel. This is likely to cause some chromium contamination.

If required, a special sample could be prepared using ceramic plates.

Per G. Lebel
G. Lebel, Manager

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SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

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Certificate of Analysis

Certificate No. 62096-A

Date: Dec. 31, 1985

Received Dec. 19, 20, 23/85 5 Samples of split core

Submitted by M.P.H. Consulting Ltd., Toronto, Ontario

proj#C-817

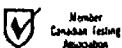
	SAMPLE NO.: 3279 <i>Sample specimens</i>	99890 <i>Tolaco Specimens</i>	99896 <i>Fel. 210 Specimens</i>	3302 <i>Fragment by accident 12/14</i>	3305 <i>Fragment by accident 12/14</i>
SiO ₂ %	62.12	61.15	61.17	69.68	50.73
Al ₂ O ₃ %	15.65	16.05	13.40	13.97	13.31
CaO %	4.31	7.00	9.35	3.91	13.94
MgO %	3.11	0.80	0.97	0.51	1.90
Na ₂ O %	5.06	4.75	3.63	5.98	2.74
K ₂ O %	2.21	1.84	0.39	0.91	0.81
Fe ₂ O ₃ %	4.27	2.04	4.75	1.36	8.85
MnO %	0.07	0.11	0.25	0.06	0.50
TiO ₂ %	0.52	0.59	0.44	0.45	0.48
P ₂ O ₅ %	0.12	0.12	0.11	0.18	0.24
LOI %	1.87	4.83	4.95	2.59	5.95
Cr PPM	417	460	639	816	494
Pb PPM	-	-	-	-	-
Cu PPM	898	176	237	180	233
Zn PPM	<10	<10	<10	10	11
Mn PPM	151	132	171	122	148
Pb PPM	<10	65	15	51	94
As PPM	1402	431	218	315	203

NOTE: Please bear in mind that we use pulverizer plates made of hard chrome steel. This is likely to cause some chromium contamination to samples.

If required a special sample could be prepared using ceramic plates.

Per G. Lebel
G. Lebel, Manager

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P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

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Certificate of Analysis

Certificate No. 62190

Date: Dec. 31, 1985

Received Dec. 20, 1985 2 Samples of split core

Submitted by M.P.H. Consulting Ltd., Toronto, Ontario proj#C-817

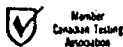
	SAMPLE NO.:	3361	3362
		<i>Ultimate</i>	<i>Int ultimate</i>
SiO ₂ %		43.29	58.00
Al ₂ O ₃ %		8.28	9.40
CaO %		7.94	12.80
MgO %		20.01	1.47
Na ₂ O %		0.39	3.40
K ₂ O %		0.06	1.12
Fe ₂ O ₃ %		12.10	5.03
MnO %		0.21	0.21
PiO ₂ %		0.47	0.30
P ₂ O ₅ %		0.23	0.24
COI %		5.05	7.05
r PPM		2726	700
b PPM		-	-
r PPM		34	92
PPM		10	<10
r PPM		52	60
b PPM		63	101
a PPM		<10	218

NOTE: Please bear in mind that we use pulverizer plates made of hard chrome steel. This is likely to cause some contamination to samples.

If required a special sample could be prepared using ceramic plates.

Per
G. Lebel Manager

ESTABLISHED 1928



Geikie Twp.(M.320)

THE TOWNSHIP
OF JUL 2 1986

ZAVITZ

DISTRICT OF
SUDBURY

LARDER LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

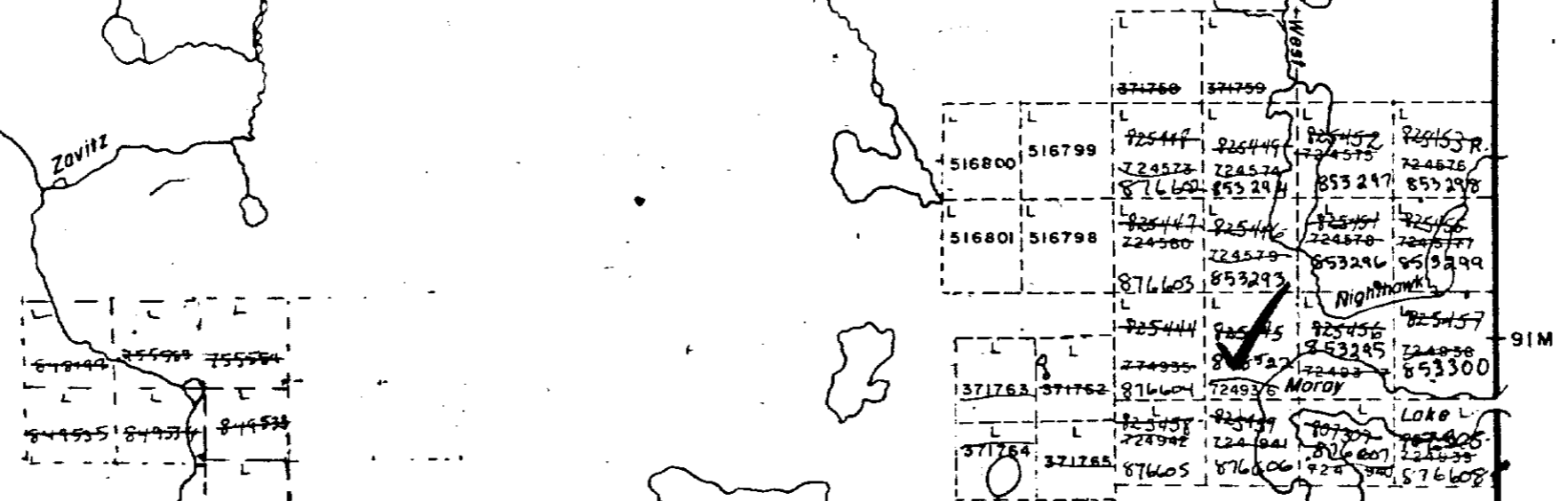
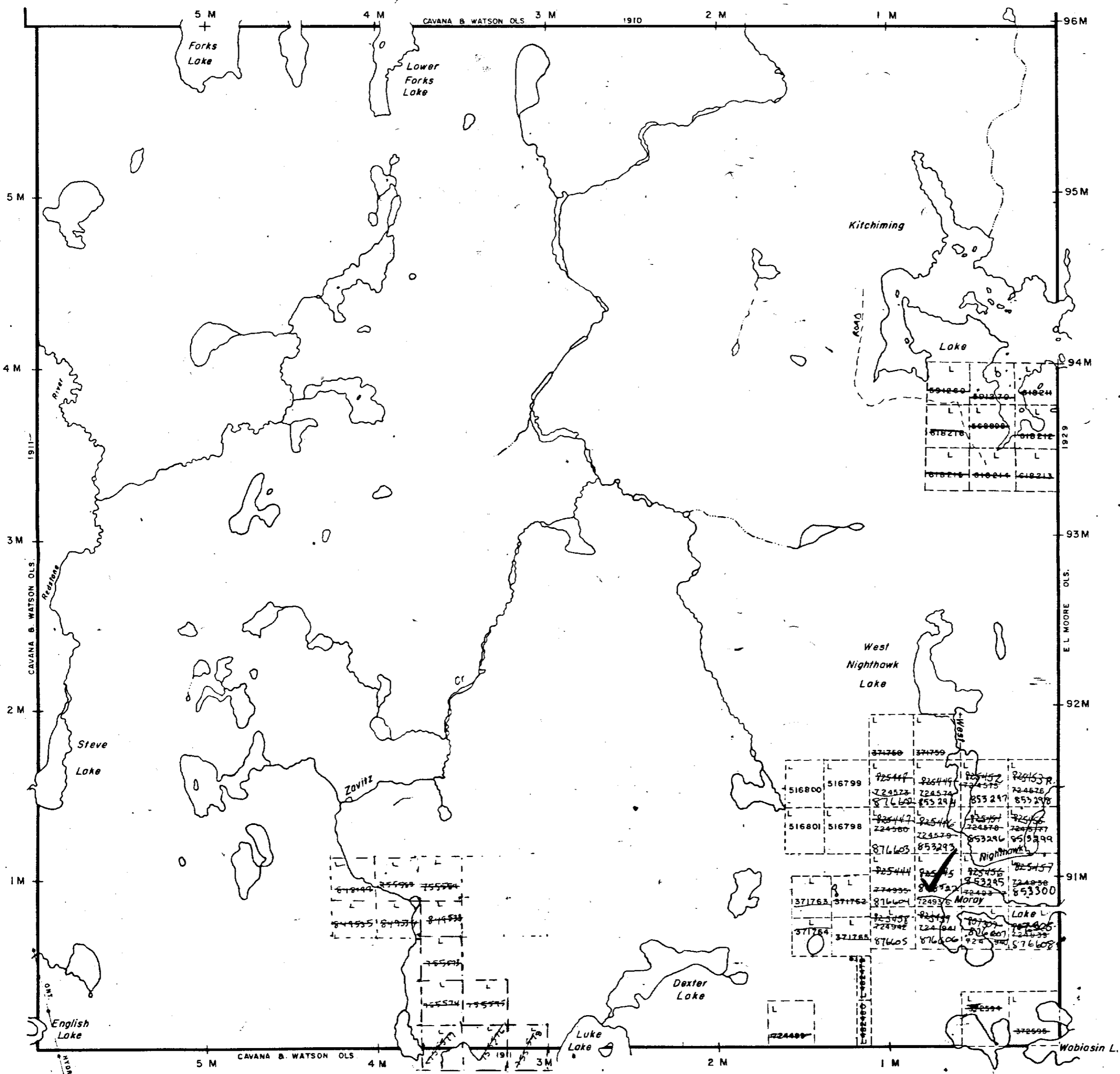
- PATENTED LAND P
- CROWN LAND SALE C.S.
- LEASES L
- LOCATED LAND Loc.
- LICENSE OF OCCUPATION L.O.
- MINING RIGHTS ONLY M.R.O.
- SURFACE RIGHTS ONLY S.R.O.
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED C.

NOTES

400' SURFACE RIGHTS RESERVATION ALONG THE
SHORES OF ALL LAKES AND RIVERS.

English Twp.(M.787)

Hincks Twp.(M.223)



Hutt Twp.(M.943)

PLAN NO. M. 1189

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

