DIAMOND DRILLING

Township: Zavitz

Report No: 18

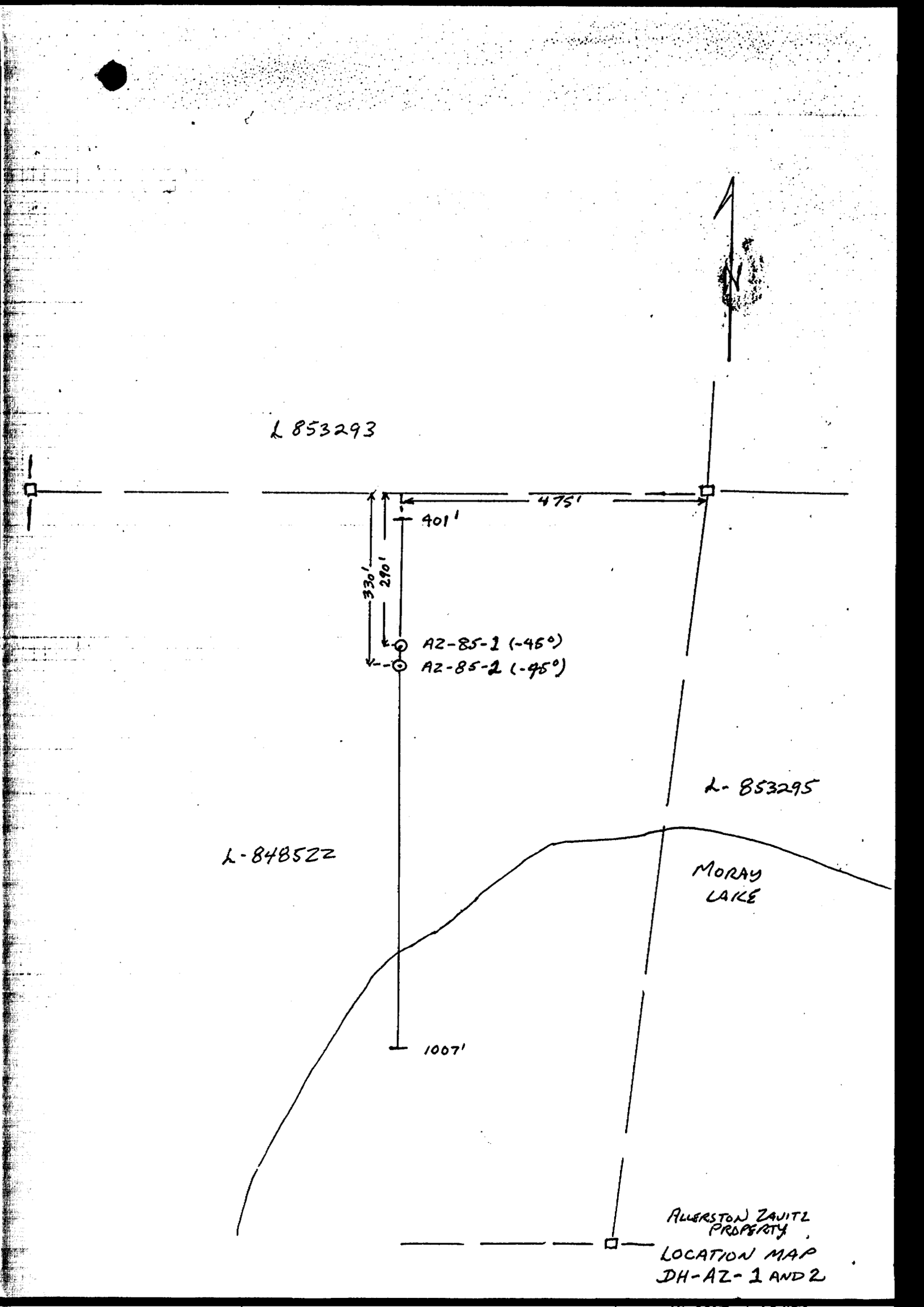
WORK PERFORMED FOR: Ralph Allerston

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER [ ]

CLAIM NO.	HOLE NO.	FOOTAGE	DATE	NOTE
L 848522	AZ-85-1	1007'	Dec/85	(1)
	AZ-85-2	401'	Dec/85	(1)

NOTES: (1) #352-86


L 853293
475'
401'
330'
290'
AZ-85-1 (-45°)
AZ-85-2 (-45°)
L-853295
L-848522
MORAY LAKE
1007'
ALLERSTON ZANITZ PROPERTY
LOCATION MAP
DH-AZ-1 AND 2

MPH CONSULTING LIMITED

DIAMOND DRILL RECORD

HOLE NO. AZ-85-1

Property	Petromet/Allerston	Length	1,007 ft	Commenced	December 6	Dip: Collar	-45°
Township	Zavitz	Bearing	Due South	Completed	December 17		
Location	Morey Lake	Dip	-45°	Drilling Co.	Ideal Drilling Ltd.	Etch Test	Depth / Degrees
		Objective		Core Size	NQ	1	400 feet / -44°
Logged by	J. Webster			Casing Left in Hole	22 ft	2	1,000 feet / -44°
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				
			3217	28	31	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	3218	31	34	3	NIL				
			3219	34	37	3	NIL				
			3220	37	40	3	NIL				
			3221	40	43	3	NIL				
			3222	43	46	3	85				
		- Matrix is fg crystalline, more mafic in composition than that of phenocrysts	3223	46	49	3	30				
			3224	49	52	3	NIL				
		- Brecciation, extensive fracturing, associated with silicification, carbonatization as fracture fillings and breccia matrix	3225	52	55	3	NIL				
			3226	55	58	3	NIL				
			3227	58	61	3	20				
		- Localized hematization, chloratization give the rock reddish-green mottled look	3228	61	64	3	190				
			3229	64	67	3	NIL				
		- 1-4% sulphides, py, as fg disseminations and as 2 mm cubes and blebs associated with fine qtz, ± chl, carb, hem fractures	3230	67	70	3	20				
			3231	70	73	3	130				
			3232	73	76	3	30				
		- Prominant foliation, veining, fracturing, direction is 45-60° to C.A.	3233	76	79	3	NIL				
			3234	79	82	3	30				
		- Xenoliths - 22-22.3 mafic metavolcanic rock massive mfg equigranular	3235	82	85	3	NIL				
			3236	85	88	3	NIL				
		30-43 syenite porphyry, cg with diffuse contacts	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
			3241	100	103	3	NIL				
			3242	103	106	3	NIL				
			3243	106	109	3	NIL				
110	184.6	BRICK RED SYENITE	3244	109	112	3	NIL				
		- 110-112 gradational contact, strongly brecciated	3245	112	115	3	220	0.006			
		fg red syenite with chl, qtz fractures, 2-3% py	3246	115	118	3	170				
		cubes and vfg disseminations	3247	118	121	3	330	0.01			
		- Uniform, mfg crystalline, brick red syenite with	3248	121	124	3	190				
		10-30% prophyritic phenocrysts	3249	124	127	3	90				
		- Phenocrysts predominantly reddish to white,	3250	127	130	3	200	0.005			
		K-feldspar, 1-5 mm in size and some rounded 1-3mm	3251	130	133	3	20				
		quartz	3252	133	136	3	130				
		- Rock is strongly hematized extensively factured	3253	136	139	3	150				
		with silicification, minor chloritization	3254	139	142	3	30				
		carbontization associated with fracturing	3255	142	145	3	NIL				
		- Sulphides 1-5% consist predominantly of py plus mte	3256	145	148	3	NIL				
		vfg as fracture slips giving the rock a marbled	3257	148	151	3	NIL				
		look, py 1-3% as vfg disseminations and blebs asso-	3258	151	154	3	20				
		ciated with qtz veinlets	3259	154	157	3	10				
		- Predominant veining and fracturing direction @ 50°	3260	157	160	3	NIL				
		to C.A.	3261	160	163	3	20				
		157-163: Ultramafic Xenolith dark grey black	3262	163	166	3	NIL				
		contact upper/lower 70° to C.A., talcose	3263	166	169	3	20				
		2-3% py as fg disseminations	3264	169	172	3	NIL				
		167.9-172: Mafic Syenite Xenolith, black-reddish	3265	172	175	3	60				
		porphyritic syenite predominant	3266	175	179	4	NIL				
		phenocrysts 2-3 mm amphibole laths with	3267	179	183	4	20				
		white K-spar and minor qtz									
184.6	324.5	SYENITE PORPHYRY	3268	183	186	3	20				
		- Contact @ 80° to C.A.	3269	186	189	3	NIL				
		- Maroon, cg porphyritic rock, with 50-70% of the	3270	189	193	4	NIL				
		rock consisting phenocrysts	3271	193	196	3	NIL				
		- Phenocryst, 90% K-feldspar white to reddish-pink,	3272	196	199	3	50				
		3 mm to 1 cm in size, subherdral, occassionally	3273	199	202	3	30				
		zoned; 10% rounded quartz, 2-4 mm crystals, minor	3274	202	205	3	20				
		amphibole laths	3275	205	208	3	NIL				
		- Groundmass is mcg equigranular consisting of feld-	3276	208	211	3	20				
		spar, amphibole, chlorite and some quartz	3277	211	214	3	NIL				
		- Two predominant foliations, seen in the rock @ 45°	3278	214	217	3	30				
		and 90° to C.A.	3279	217	220	3	30				
		- Massive rock with some fracturing and alteration,	3280	220	223	3	NIL				
		pervaisive hematization with quartz $\pm$ carbonate	3281	223	226	3	45				
		and chlorite veinlets and fracture fillings	3282	226	229	3	20				
		- 1-3% py as fg disseminations in the matrix minor	3283	229	232	3	NIL				
		mte	3284	232	235	3	30				
		- minor epidote veins	3285	235	238	3	20				
		243-251: Quartz Breccia zone, Syenite porphyry	3286	238	241	3	40				
		fragments in a qtz, (carb, chl) matrix	3287	241	244	3	60				
		3-4% py as fg disseminations and blebs	3288	244	247	3	80				

MPH CONSULTING LIMITED

DIAMOND DRILL RECORD

HOLE NO. AZ-85-1
SHEET NO. 3

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	3289	247	250	3	NIL					
			3290	250	253	3	130					
		290-291.6: Black chloritic, talcose Xenolith possibly ultramafic, metavolcanic rock, mte some py, brecciated with quartz, carbonate matrix	3291	253	256	3	20					
			3292	256	259	3	20					
			3293	259	262	3	30					
			3294	262	265	3	10					
		297-300: Same as 290-291.6	3295	265	268	3	NIL					
		311.5-324.5: Porphyritic phase mcg Syenite with 60% K-spar phenocrysts minor qtz, amphibole	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 eqivalent of the phenocrysts - Minor alteration, chloritization some hematization - 1-2% py as fg disseminations										
377.7	833.4	ARGILLITE - SILTSTONE	99856	378	381	3	NIL					
		- Homogeneous grey dark grey-black fg to vfg argillaceous, medium-hard often shows a somewhat concoidal fracturing	99857 99858 99859	381 384 387	384 387 390	3 3 3	NIL NIL 10					
		- 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	99861 99862	828 831	831 833	3 3	NIL NIL					
		- 2-3% sulphides py blebs and disseminations, epidote veinlets, chlorite slips, fine po fractures 1-2%										

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	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 syendiorite 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	850.5	853	3.5	NIL				
			99870	853	855.5	2.5	20		0.7	191	810
			99871	855.5	857	1.5	NIL				
			99872	857	860	3	20				
			99873	860	863	3	NIL				
			99874	863	865	2	NIL		0.3	166	1,300
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	865	868	3	NIL		0.6	361	2,430
			99876	868	871	3	20		0.4	174	1,830
			99877	871	874	3	30		0.7	459	4,800
			99878	874	877	3	60		1.0	627	10,300
			99879	877	880	3	20		0.4	197	1,340
			99880	880	883	3	40		1.0	492	4,460
			99881	883	886.5	3.5	NIL		0.2	132	301
886.5	906.8	CARBONATE BRECCIA - Light, greenish-grey, extensively fragmented carbonatized rock	99882	886.5	890	3.5	NIL				
			99883	890	893	3	NIL				

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au	PPM Ag	PPM Cu	PPM Zn	
		- Angular fragments varing in size 5 mm - 10 cm consisting of fg, equigranular massive rock, with plagoclase feldspar, amphibole/pyroxene crystals and some quartz with 1% disseminated py	99884	893	896	3	NIL					
			99885	896	899	3	NIL					
			99886	899	903	4	NIL					
			99887	903	906.5	3.5	NIL					
		- The Dioritic rock has been strongly carbonatized (silicified) giving it a brecciated appearance, 1-3% sulphides; blebs and stringers										
		896.3-896.7: GRAPHITE SULPHIDE ZONE same as 836 to 842.2; 4% po/py minor cpy associated with po										
906.8	911.8	GRAPHITE SULPHIDE ZONE										
		- Same as: 836 to 842.2 ft	99888	906.5	909	3.5	NIL		NIL	283	58	
		- Mineralization 5-7% py (po) as nodules fracture fillings and disseminations	99889	909	912	3	20		0.2	373	60	
911.8	986.8	FELSIC BRECCIATED FRAGMENTAL										
		- Light grey to beige fragmental, brecciated and altered; silicified, carbonatized and some chloritization	99890	912	915	3	NIL					
			99891	915	918	3	NIL					
			99892	918	921	3	NIL					
		911.8-922.8: Light greyish-beige fg to vfg silicious hard rock, marbled appearance	99893	921	924	3	NIL					
			99894	924	927	3	20					
			99885	927	930	3	15					
		-Fragments predominantly consist of light grey green bedded fg argillaceous units often chloritized, sericitized, greyish-beige siliceous vfg clasts (cherty), and porphyry fragments	99896	930	933	3	10					
			9897	933	936	3	NIL					
			99898	936	938	2	NIL					
			99899	938	940	2	NIL					
			99900	940	943	3	NIL					
		-Fragments are rounded to subangular ranging in size 2 mm to 10 cm averaging 4 cm	3301	951	954	3	NIL					
			3302	954	957	3	NIL					
			3303	957	960	3	NIL					
			3304	970	973	3	NIL					
		-Brecciation and associated alteration, silicification carbonatization, chloritization	3305	973	976	3	NIL					
			3306	976	979	3	NIL					
		-Mineralization 1-2% py as fg disseminations and fracture fillings, also 1-2% fine po stringers minor fuchsite associated with tuffaceous fragments										
		922.8-950.8: Fragmental predominantly porphyrtic fragments that are rounded to subangular, ranging from 2 mm - 12 cm averaging 4-6 cm										

MPH CONSULTING LIMITED | DIAMOND DRILL RECORD | HOLE NO. AZ-85-1 | SHEET NO. 8

FROM	TO	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au	PPM Ag	PPM Cu	PPM Zn
911.8	986.8	-Porphyritic fragments consist predominantly of 1-2 mm white K-feldspar (plagioclase) in a vfg, chloritized groundmass -Fragments of fg, dark grey, bedded argillite are also present -Groundmass is fg-mfg dark grey-green often prophyritic as well -Brecciation, carbonatization, silicification and is pervarsive throughout this unit -Mineralization 2-5% sulphides py occurs as fg disseminations cubes and fracture fillings often associated with quartz, carbonate alteration some mte disseminations 950.8-964.8: Same as 911.8-922.8; -Mineralization 2-3% py/po (60/40 ratio) as fg disseminations, stringers and blebs, minor fuchsite associated with argillaceous fragments 964.8-986.8: Same as 922.8-950.8									
986.8	993.2	MAFIC-INTERMEDIATE FLOW BRECCIA - Dark greenish-grey, mfg to mg brecciated rock - Irregular clasts range in size 5 mm - 10 cm and are of similar composition of the matrix - Rock consists mainly mafic minerals amphibole, chlorite some plagioclase feldspar quartz minor epidote - Mineralization 1-3% py some po as fg disseminations and stringers - Rock has been carbonatized with small quartz veinlets									
993.2	1007	ULTRAMAFIC FLOW BRECCIA - Dark greenish-grey to bluish-grey, mfg to mg, possible texture - Consists of mainly mafic minerals amphibole, pyroxene, chlorite, serpentine, talc some plagioclase feldspars, that are often sericitized - Flow breccia texture with irregular rock clasts along with mafic phenocrysts in a fg matrix - Prominant foliation of mafic minerals and clasts is parallel to the C.A. - Mineralization 2-4% py as fg disseminations and fracture fillings, mte as vfg disseminations and minor po associated with py									
1007		END OF HOLE									

MPH CONSULTING LIMITED

DIAMOND DRILL RECORD

HOLE NO. AZ-85-2

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

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 - 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 - Groundmass is fg equigranular, strongly altered; silicified, carbonatized, hematized and chlortized - Brecciation, extensive fracturing with quartz, carbonate and chlorite as matrix material and fracture fillings and veinlets predominantly at 40-50° to C.A. - 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 31.5-35: Strongly brecciated syenite, hematized with quartz, chlorite (carb) fractures, 5-6% py mineralization 45-47.5: Brecciated, syenite, oxidized, iron carbonate, minor sph-brown crystals 57.8-58.2: Syenite porphyry Xenolith, cg massive with 60% feldspar phenocrysts	3307 3308 3309 3310 3311 3312 3313 3314 3315 3316 3317 3318 3319 3320 3321 3322 3323 3324 3325 3326 3327 3328 3329 3330 3331 3332	14 17 20 23 26 29 32 35 38 41 44 47 50 53 56 59 62 65 68 71 74 77 80 83 86 89	17 20 23 26 29 32 35 38 41 44 47 50 53 56 59 62 65 68 71 74 77 80 83 86 89 92	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	NIL 20 30 80 20 10 60 10 NIL NIL NIL 10 NIL 100 NIL 30 20 10 NIL 30 10 50 NIL NIL NIL 30	

FROM FEET	TO FEET	DESCRIPTION	SAMPLE NO.	FROM	TO	LENGTH	PPB Au	oz/T Au
			3333	92	95	3	NIL	
			3334	95	98	3	20	
99	107	SYENITE PORPHYRY						
		- Gradational contact, fractured zone with 2-4% py	3335	98	101	3	30	
		- Maroon, mcg to cg, porphyritic rock, with phenocrysts consisting 50-60% of rock	3336	101	104	3	30	
			3337	104	107	3	110	
		- Phenocrysts; predominantly K-feldspar, 2-6 mm, subhedral pink to white occasionally zoned, smaller amounts of rounded quartz crystals, and 1-3 mm green amphibole laths						
		- Matrix is mfg equigranular the equivalent composition as the phenocrysts						
		- Massive rock with two predominant foliations 45° and 90° to C.A.						
		- Less alteration and brecciation then the unit above, quartz ± carbonate, veinlets, chlorite fractures and hematization, minor epidote veinlets						
		- 1-3% sulphides py, fg disseminations in matrix, trace mte						
107	138.8	ALTERED SYENITE PORPHYRY						
		- Same as 14 to 99 ft	3338	107	110	3	NIL	
		- Contacts @ 60° to C.A.	3339	110	113	3	10	
		- Extensive brecciation, with silicification, carbonatization, hematization and some chloritization	3340	113	116	3	10	
			3341	116	119	3	NIL	
		- 2-4% sulphides; py as fg disseminations blebs and fractures, minor mte as dusting and hair-like fractures	3342	119	122	3	NIL	
			3343	122	125	3	NIL	
			3344	125	128	3	NIL	
		110.5-111: Syenite porphyry Xenolith, cg, massive, same as 99 to 107 ft	3345	128	131	3	NIL	
			3346	131	134	3	NIL	
		133-135.5: Syenite porphyry Xenolith, cg, massive, same as 99 to 107 ft	3347	134	137	3	NIL	
			3348	137	140	3	35	
138.8	401	SYENITE PORPHYRY	3349	140	143	3	NIL	
		- Same as 99 to 107 ft	3350	143	146	3	NIL	
		176-176.5: Breccia zone with chloritic matrix, hematite veinlets, 2-3% py as fg disseminations or blebs	3351	146	149	3	NIL	
			3352	149	152	3	NIL	
			3353	152	155	3	NIL	
		239-245: Syenite porphyry, mg, 30-40% feldspar, minor amphibole, quartz, carbonate chlorite fractures, 2-4% py	3354	155	158	3	NIL	
			3355	158	161	3	NIL	
			3356	161	164	3	NIL	
		253.9-258.2: Same as 239 to 245 ft	3357	164	167	3	20	
			3358	167	170	3	10	
			3359	170	173	3	NIL	
			3360	173	176	3	NIL	
	401	END OF HOLE						

DRILL CORE LIBRARY

LARDER LAKE MINING DIVISION

DIAMOND DRILL CORE DONATION FORM

Core Received From

Company: M.P.H. Consulting Ltd

Representative: Judy Webster

Address: 120 Adelaide St W Suite 2406
Toronto Ont

Telephone: (416) 365-0930

# of Boxes Received: 100

HOLE #	# OF BOXES	FEET/ ~~METERS~~	TOWNSHIP	LOGS/ LOC'N
DDH #1	71	1007	ZAV, TZ	N/N
DDH #2	29	401	ZAV, TZ	N/N
confidential until		87/02/01		

Donated by (Signature): J Webster Date: 86/01/21

Received by (Signature): D. L. L Date: 86/01/21

ATTENTION; Core donated becomes the property of the Ontario Ministry of Natural Resources.

Ontario

Minin

Name and Postal Address of Recorded Holder

Ralph Allerston

54[redacted]ne Street North, Timmins, Ontario P4[illegible]

42A03SE0165 18 ZAVITZ

900

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
1408	L	848522	160	L	853300	160			
for Performance of the following work: (Check one only)	[redacted]	853293	160	[redacted]			[redacted]		
☐ Manual Work		853294	160						
☐ Shaft Sinking Drifting or other Lateral Work.		853295	160						
☐ Compressed Air, other Power driven or mechanical equip.		853296	160						
☐ Power Stripping		853297	160						
☒ Diamond or other Core drilling		853298	144						
☐ Land Survey		853299	144						

All the work was performed on Mining Claim(s): L 848522

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Ideal Drilling (1980) Ltd.
P.O. Box 40
Bathurst, NB E2A 3Z1

ONTARIO GEOLOGICAL SURVEY
ASSESSMENT FILES
RESEARCH OFFICE
SEP 24 1986
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SEP 2 1986
Receipt # _____

Diamond Drilling - NQ Core
AZ-85-1; Dec. 6, 1985 - Dec. 17, 1985 End of Hole 1007 ft. (22 ft. Casing-overburden)
AZ-85-2; Dec.17, 1985 - Dec. 24, 1985 End of Hole to 401 ft. (14 ft. Casing-overburden)

LARDER LAKE
MINING DIV.
RECEIVED
SEP - 2 1986
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Date of Report	Recorded Holder or Agent (Signature)
Jan./86	(AGENT)

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: Laurie Smith
200, 701 14th St. N.W., Calgary, AB T2N 2A4

Date Certified	Certified by (Signature)
Aug.28/86	(AGENT)

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific information per type	Other information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work			
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.	Nil	Nil

768 (85/12)

Ontario — Northern Development and Mines

Report of Work — Mining Act

"For Geo-technical work use form ... Report of Work (Geological, Geophysical, Geochemical and Expenditures)".

Gauthier Twp 353/86

Name and Postal Address of Recorded Holder	Prospector's Licence No.
Ral[illegible] Allerston 543 Pine Street North, Timmins, ONTARIO P4N 6L9	M-13613

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed: 56

for Performance of the following work. (Check one only)

- [ ] Manual Work
- [ ] Shaft Sinking Drifting or other Lateral Work.
- [ ] Compressed Air, other Power driven or mechanical equip.
- [ ] Power Stripping
- [x] Diamond or other Core drilling
- [ ] Land Survey

Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.	Mining Claim Prefix	Mining Claim Number	Work Days Cr.
L	853293	7						
	853294	7						
	853295	7						
	853296	7						
	853297	7						
	853298	7						
	853299	7						
	853300	7						

All the work was performed on Mining Claim(s): L 848522

Required Information eg: type of equipment, Names, Addresses, etc. (See Table Below)

Drill core Hol AZ-85-1, AZ-85-2 stored at Swastika Drill Core Library, Larder Lake Division, Ontario

DDH; AZ-85-1 NQ Core; Footage 1007 ft.

DDH; AZ-85-2 NQ Core; Footage 401 ft.

ONTARIO GEOLOGICAL SURVEY ASSESSMENT FILES RESEARCH OFFICE SEP 24 1986 RECEIVED

RECORDED SEP 2 1986 Receipt # ______

LARDER LAKE MINING DIV. RECEIVED SEP - 2 1986 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Date of Report	Recorded Holder or Agent (Signature)
Jan/86	(AGENT)

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.

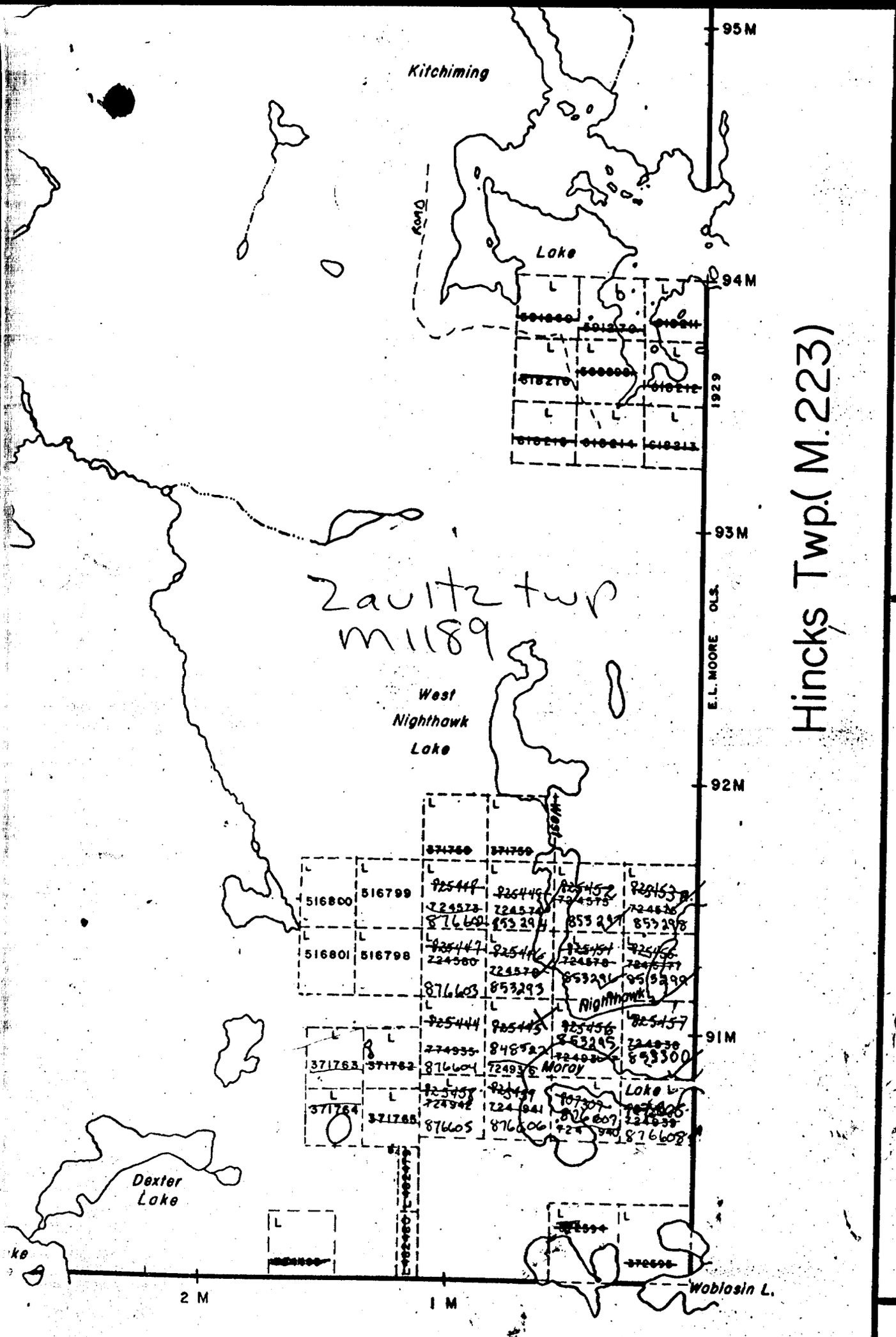
Name and Postal Address of Person Certifying: Laurie J. Smith, 200, 701 14th St. N.W., Calgary, AB T2N 2A4

Date Certified	Certified by (Signature)
Aug.28/86	

Table of Information/Attachments Required by the Mining Recorder

Type of Work	Specific Information per type	Other Information (Common to 2 or more types)	Attachments
Manual Work	Nil	Names and addresses of men who performed manual work/operated equipment, together with dates and hours of employment.	Work Sketch: these are required to show the location and extent of work in relation to the nearest claim post.
Shaft Sinking, Drifting or other Lateral Work	Nil		
Compressed air, other power driven or mechanical equip.	Type of equipment		
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil

768 (85/12)



Hincks Twp.(M.223)

1.943)

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POWER L
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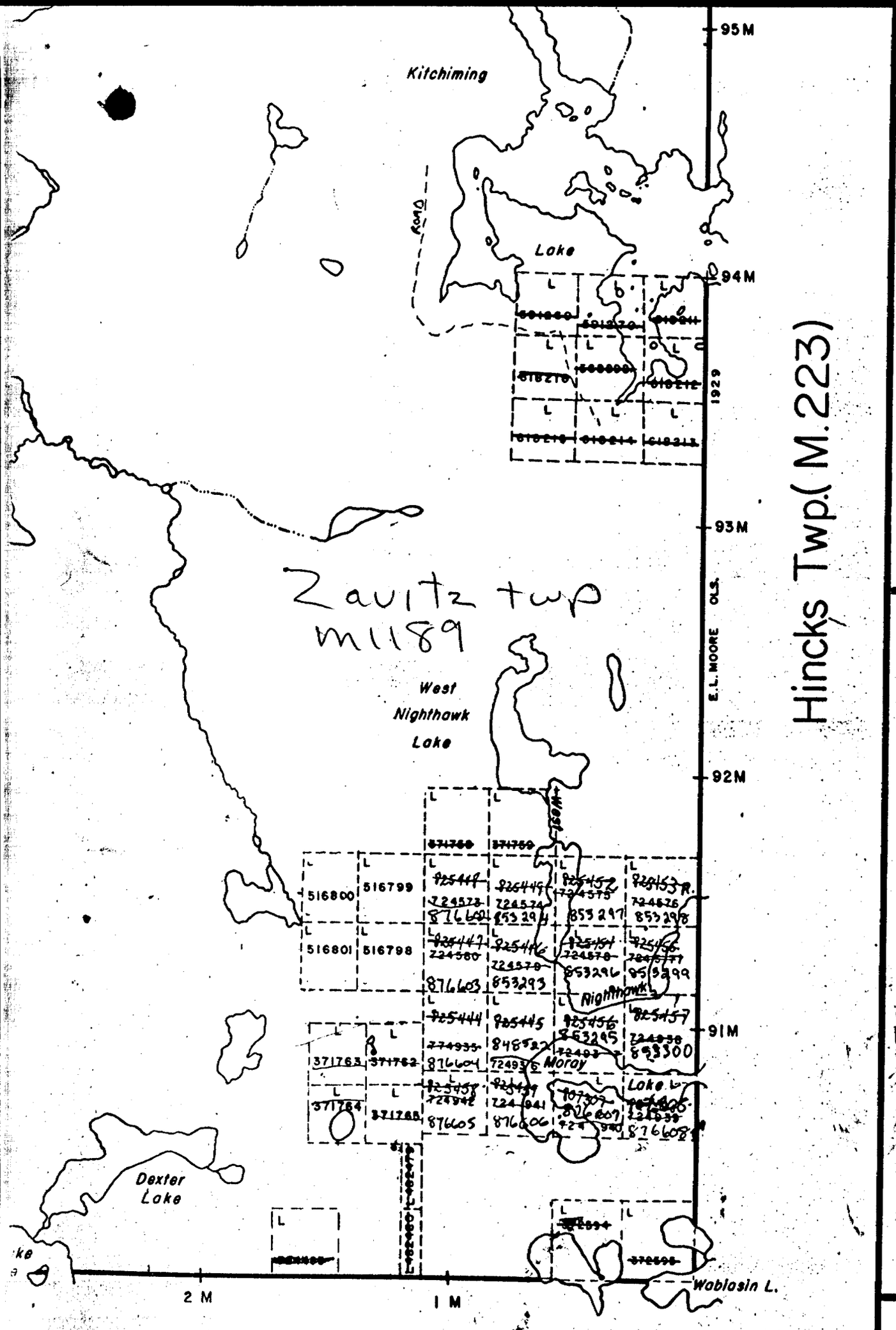
SHORES

PLAN NO

MINISTRY



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PLAN NO

MINISTRY