



42A13SE0023 11 GEARY

010

Diamond Drilling

Township of GEARY

Report NO: 11

Work performed by: LEITCH GOLD MINES LIMITED

Claim NO	Hole NO	Footage	Date	Note
P 68596	32	432'	Apr/65	

Notes:

Location 2 ± 00S (North) (South)

Location 8 ± 00W (East) (West)

Baseline No.

Dip at Collar - 500

Bearing Astr. 176° 35' 00" ?

Assumed Mag. Decl'n Elevation at Collar

ACID TESTS	FOOTAGE	DIP ANGLE

DIAMOND DRILL LOG AND SAMPLE RECORD

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D.D.H. No. 32

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Property Name XXXXXXXXXX-GEARY Started 23rd April/65

Footage Drilled 432.0 Finished 8th May/65

Province ONTARIO Township GEARY

Logged by I. M. WATSON Claim No. 68596

E core

FOOTAGE FROM	FOOTAGE TO	LENGTH	DESCRIPTION		ESTIMATED % SULP.	WIDTH	SAMPLE NUMBER	GOLD OZ. AU	SILVER OZ. AG	COPPER % CU	ZINC % ZN	LEAD % PB	FROM	TO
			FORMATION	DETAILS										
0	202	202	Overburden	Dominantly very fine sand & silt - minor boulders becoming frequent for 30' above bedrock surface. 180 - 186 Boulder										
202.0	208.5	6.5	?	No recovery 204 - 206 - Sand Seam										
208.5	210.0	1.5	Sediment	Dark grey - black, finely banded chert, with fine graphitic partings Mineralization - Pyrite as fine streaks & small xtal clusters along foliation planes		2.0	534	0.005	Nil			208.0	210.0	
210.0	216.0	6.0	?	No recovery 214 - 216 - Open Seam										
216.0	260.0		Sediments/ Tuffs?	Grey to Pale Green, finely banded, Schistose, Chloritic, Foliated @ 30°/CA 222.0 - 222.4 & 227.9 - 230.7 Siliceous bands, Pale grey, very fine, dominantly quartz, latter band in sharp contact with underlying & overlying sed. (Contacts @ 400/C.A.) and contains small cloudy Phenocrysts possibly Rhyolite? Finely Disseminated Pyrite 221.6 - 1/2" quartz vein		1.0	535	Nil	Nil			222.0	223.0	
						3.0	536	Nil				228.0	231.0	

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FOOTAGE FROM	FOOTAGE TO	LENGTH	DESCRIPTION		ESTIMATED % SULP.	WIDTH	SAMPLE NUMBER	GOLD OZ. AU	SILVER OZ. AG	COPPER % CU	ZINC % ZN	LEAD % PB	FROM	TO
			FORMATION	DETAILS										
(216.0)	260.0	Cont'd		Several narrow Graphitic bands, containing Pyrite as fine streaks and small crystal clusters e.g. @ 246.1 - 246.2; 248.7 - 248.9; 250.0 - 251.0; 251.5 - 251.6 Ground core - 255.3 - 257.1; 260.5 - 262.0; 264.0 - 265.0; 269.0 - 269.7; 277.7 - 278.5 279.9 - 280.3										
260.0	332.3	72.3	Intermediate Tuff (Chlorite Schist)	Dominantly grey green, fine Chloritic Schistose, finely banded by numerous thin quartz segregations. Foliation @ 35°/C.A. Mineralization:- Minor Pyrrhotite, Pyrite as fine films, or dustings of Crystals along foltn. planes and associated with fine Siliceous Segregations Pyrrh. locally in sufficient concentration to deflect compass needle. A few minute Blebs Chalcopyrite replacing pyrrhotite at scattered localities. Mineralization most prominent @ 275.0 - 275.4; 282.1 - 282.5; 285.5 (1/2"); 291.3 (1/2") 307.0 (1/2"); 313.0; 322.0; 330.0 - 330.3 326.8 - 1/2" Quartz vein - small blebs chalco										
						5.0	537	Nil		0.04			275.0	280.0
						2.0	538	Nil		0.03			290.0	292.0
						1.0	539	Nil		0.04			306.0	307.0

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FOOTAGE FROM	FOOTAGE TO	LENGTH	DESCRIPTION		ESTIMATED % SULP.	WIDTH	SAMPLE NUMBER	GOLD OZ. AU	SILVER OZ. AG	COPPER % CU	ZINC % ZN	LEAD % PB		
			FORMATION	DETAILS									FROM	TO
				330.0 - 331.5		2.0	540	Nil		0.06			326.5	328.5
				Ground core - 318.4 - 320.2; 321.0 - 322.0; 324.0 - 325.0; 331.5 - 332.3		1.5	541	Nil		0.05			330.0	331.5
				328.5 - 330.0 - Open Seam										
332.8?	344.0	11.7	Andesite?	Grey - green medium grained, Crystalline, slightly Schistose. Fairly uniform		2.3	542	Nil		0.04			332.3	334.6
				contains a few small irregularly shaped quartz segregations and fine quartz		3.1	543	Nil		0.03			336.9	340.0
				Healed Fractures		4.0	544	Nil		0.03			340.0	344.0
				Mineralization - Pyrite & Pyrrhotite		5.0	545	Nil		0.04			344.0	349.0
				very finely & sparsely dissem. throughout slightly denser over lower 4' of section										
				rare minute flecks Chalco @ 333.2;										
				333.5 (in Quartz); 337.2 341.8		5.0	546	Nil		0.02	Tr.		372.7	377.7
				343.2										
				Ground core - 334.6 - 336.9; 346.5 - 347.0										
344.0	353.8?	9.8	Tuff (Quartz Chlorite Schist)	Dull grey green, fine, Schistose, (Schistosity @ 35° - 40° / C.A.) - upper contact transitional.										
				Mineralization		2.5	547	Nil		0.05			401.0	403.5
				Pyrrhotite & Pyrite as fine streaks		1.0	548	0.005		0.06			403.5	404.5
				& fine films along foltn. planes in places sufficiently conctd. to deflect		1.0	549	Nil	Nil	0.04			404.5	405.5
				compass needle.		1.3	550	0.005	0.03	0.06			405.5	406.8

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			FORMATION	DETAILS										
(344.0	353.8	cont'd)		Minute Blebs Chalco Assoc't'd. with Pyrrh. noted @ 345.6; 347.3; 348.2; 348.5; 348.7 Ground Core - 346.7 - 347.0		1.1	551	0.005	0.03	0.04			407.2	408.3
353.8	357.0	4.8	? No Recovery	Ground Core										
357.0	372.7	15.7	Quartz Sericite Schist	Pale Grey, Schistose; Quartz in closely spaced narrow bands, poorly developed augen structure, and as small irregular segregations. 357.0 - 358.1 & 358.7 - 358.8 - dark chert, finely banded by thin Quartz segregations, Graphite films along partings. <u>Mineralization</u> - Minor pyrrh. & Pyrite as thin shears along foltn. planes, & as hair line fillings.										
372.7	378.3	5.6	Chert/Graphite	Dark grey - black chert, finely banded by thin quartz bands or segregations, Foliated with graphite developed along Foliation planes. Pyrrhotite & Pyrite throughout, mainly 'replacing' quartz, and as thin films along folia. Occasional small blebs Chalco replacing Pyrrh. Est. - 4% Sulphides overall.										

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			FORMATION	DETAILS												
372.7	378.3	con'd		A few scattered patches red-brown mineral - Sphalerite?												
378.3	401.0	22.7	Quartz Sericite Schist	(Ground core - 377.7 - 378.3) Similar to above (357-373) contains a few narrow chlorite bands. <u>Mineralization</u> - very minor filmy Pyrite/Pyrrhotite along foliation planes. Ground core - 387.0 - 388.1; 396.5 - 397.5; 400.0 - 401.0												
401.0	410.0	10.0?	Chert/Graphite	Chert, similar to Section (372.7 - 378.3) above/ <u>Mineralization</u> - Dom. Pyrrhotite, minor pyrite small flecks Chalco, irreg. distributed throughout; heaviest mineralization in quartz bands & segregations est. 10% overall (total sulphides) - 403.5 - 404.0; 405.8 - 406.8 (near massive pyrrh.) Ground core - 406.7 407.1; 408.3 - 408.6; 408.8 - 409.1; 409.5 409.9.												
410.0	431.7	21.7	Quartz Sericite/ Quartz Chlorite Schists	Similar lithology to quartz sericite & Chlorite Schist sections described above minor pyrite & pyrrhotite as patchy smears along foliation planes over upper 10' of section.												

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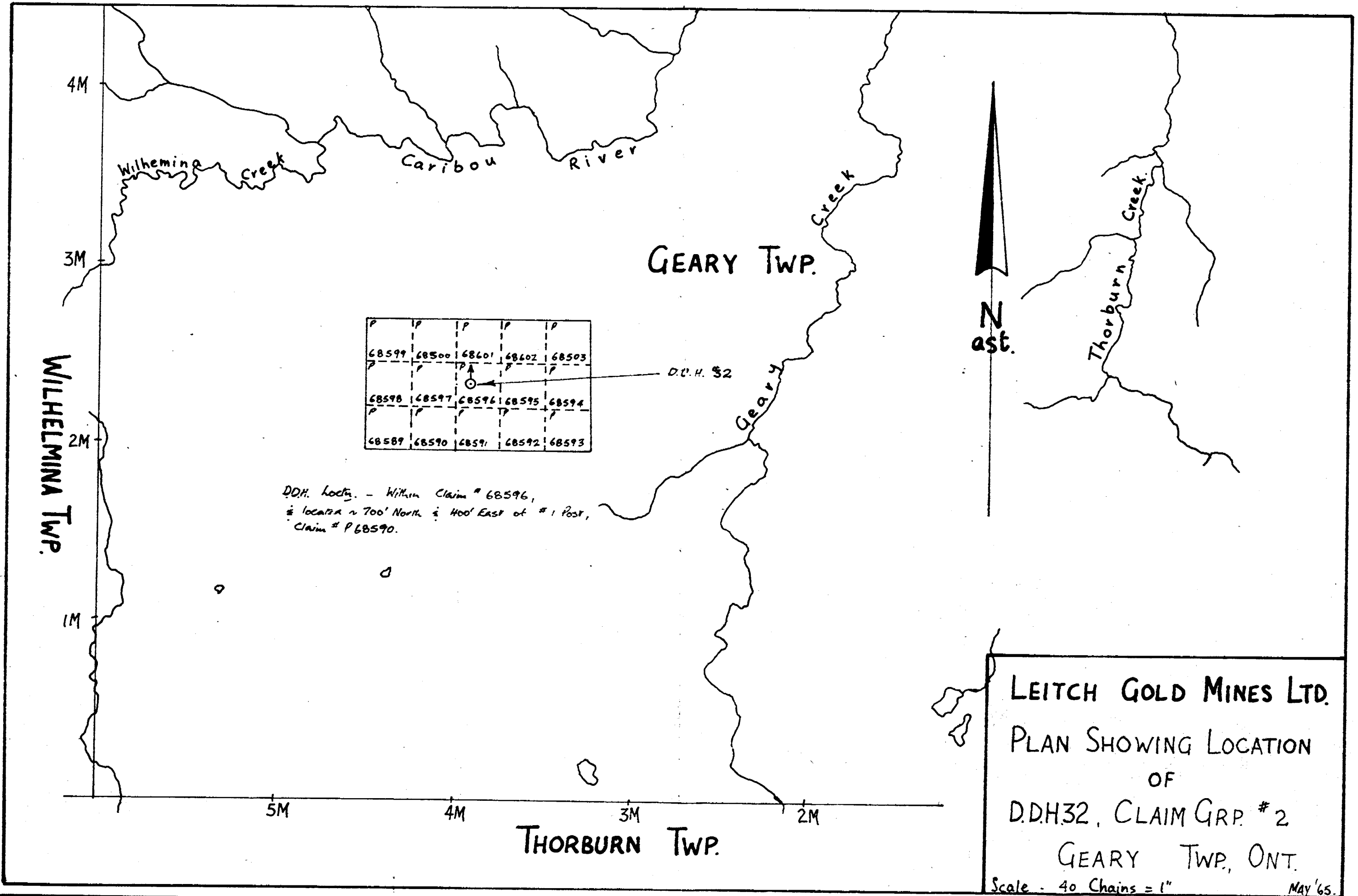
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FOOTAGE FROM	FOOTAGE TO	LENGTH	FORMATION	DESCRIPTION DETAILS	ESTIMATED % SULP.	WIDTH	SAMPLE	GOLD	SILVER	COPPER	ZINC	LEAD					
							NUMBER	OZ. AU	OZ. AG	% CU	% ZN	% PB					
	431.7			Ground Core - 411.0 - 411.4; 413.2 - 414.4 417.4 - 417.5; 419.0 - 419.3; 419.5 - 419.7; 423.2 - 424.1. END OF HOLE CORE RECOVERY 92% E - Casing Pulled													
				<u>Note</u> 1. E.M. Anomaly probably caused by weakly mineralized graphite/chert horizons. 2. Sediments are probably sufficiently magnetic (due to low Pyrrhotite content) to explain Mag. Anomaly. 3. No obvious explanation for weak gravity Fine Sandy overburden (quicksand) & inability to 'Seat' 'A' casing forced use of 'E' casing Blocky ground resulted in slow coring & Poor recovery.													



4+00S

3+00S

2+00S

1+00S

0+00

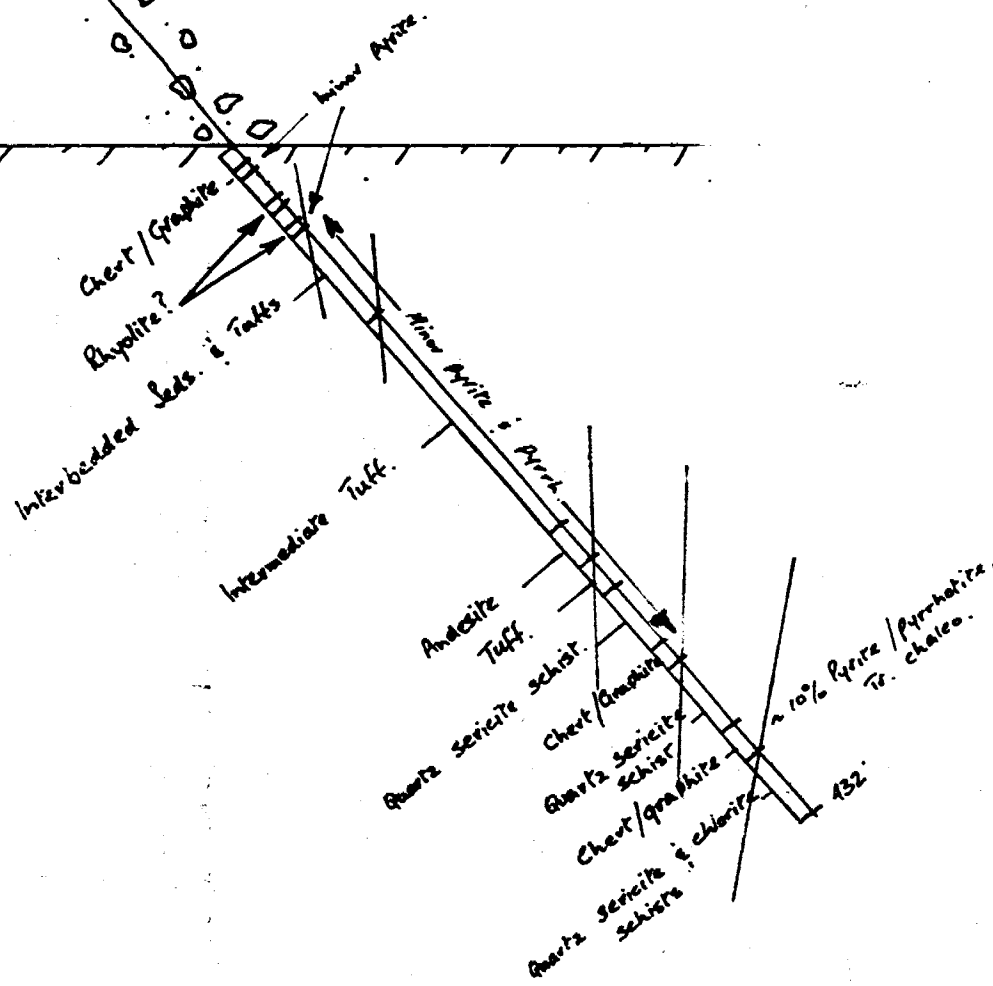
1+00N

2+00N

D.D.H. 32 - Geary.
-50°; Az. 356°.

E.M. Cross-over Surface

OVERBURDEN - Fine Silt & Sand,
minor boulders.



LEITCH GOLD MINES LTD.,
 [REDACTED],
 AREA No. 3
 ANOMALY 3-2.
 SECTION DDH 32
 GEARY TWP., ONT.
 SCALE 1" = 50' MAY '65.