



32004SE0167 43 HEARST

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DIAMOND DRILLING

Township: Hearst

Report No: 43

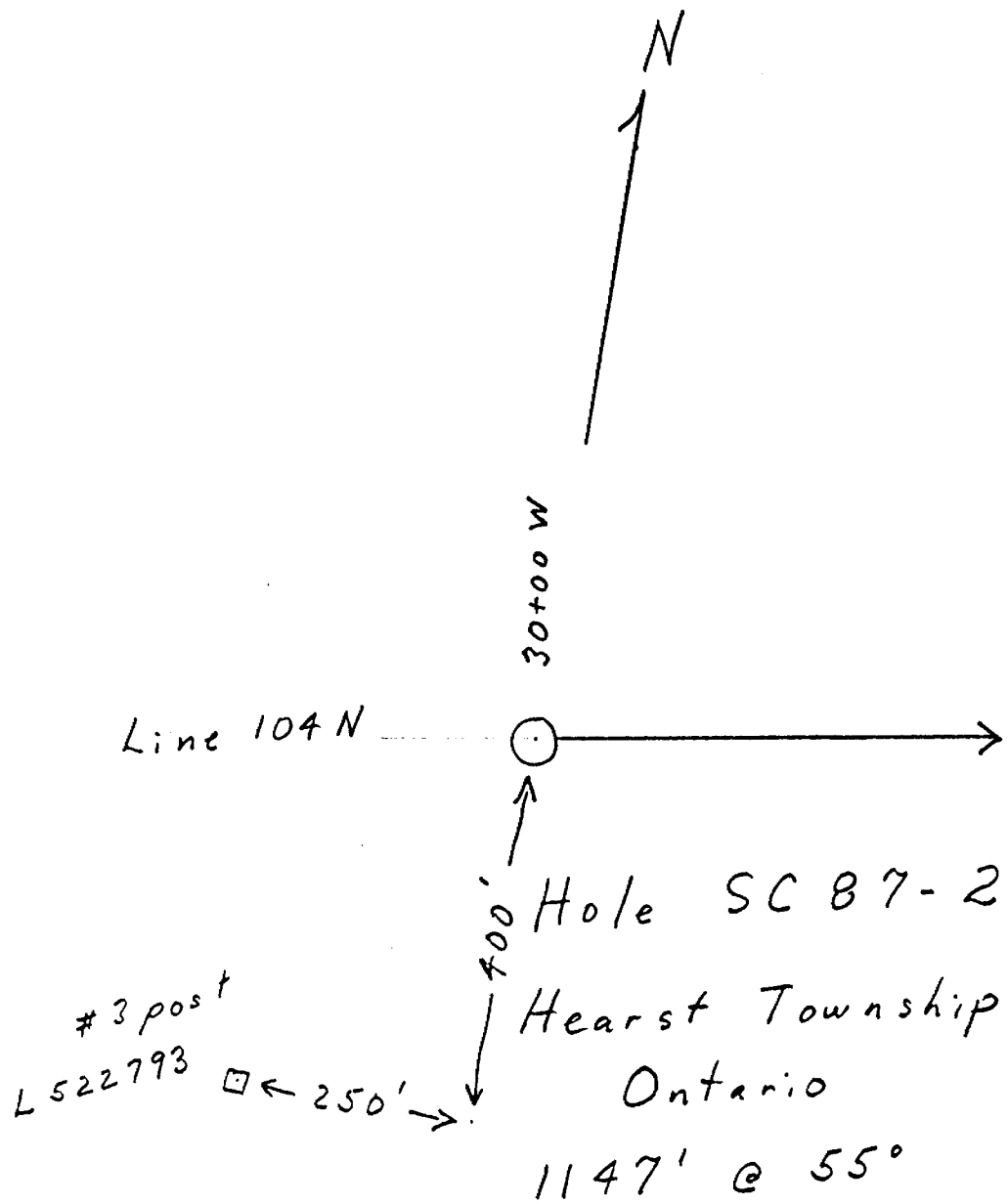
WORK PERFORMED FOR: Robert A. MacGregor

RECORDED HOLDER: SAME AS ABOVE [x]

: OTHER []

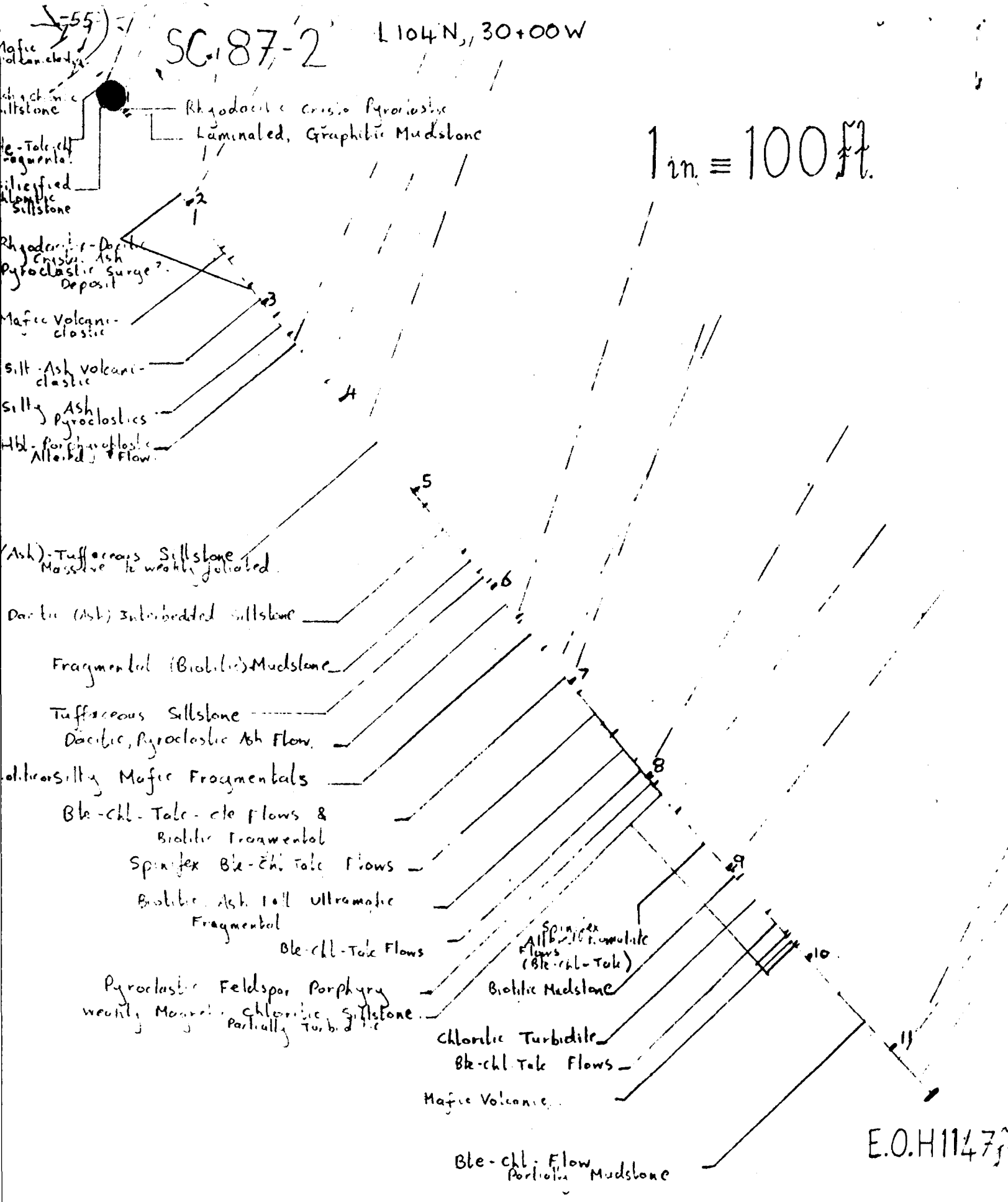
<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 522793	SC 87-2	1147'	Mar/87	(1)

NOTES: (1) #201-87 (filed in Oct/87)



SC 87-2 L 104 N, 30+00 W

1 in. = 100 ft.



E.O.H1147

Projet : SHARPCREEK Ligne : 104N Ord. : _____ Profondeur : 0 ^{Acid Test} 250 337 635 1037
 Claim : _____ Section : 30+00W Ord. : _____ Plongée : -55° ^{Acid Test} 51° -53° -51° -47°
 Canton : _____ Lat. : _____ Long. : _____ Azimut : 090° - 112° - 125°
 Rang : _____ Elévation Orifice : _____ Commencé le : _____
 Lot : _____ Azimut : _____ Terminé le : _____
 N.T.S. : _____ Niveau : _____ Entrepreneur : BARRON

Couronne AX: EX:
 AQ: BA
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 Profondeur totale: _____
 Journal: TNS Hughes
 Date: 14.3.87.

DE	A Feet	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	
0	13	Overburden									
13.0	21.0	<p>Mafic Volcaniclastic</p> <p>Green-grey, fine-grained, massive to poorly foliated. Non-magnetic. Fine-grained chlorite (? amphibole) feldspar intergrowths supporting small, commonly < 1mm long chlorite & lesser biotite fragments which may show alignment, defining a crude foliation, or be concentrated, to form vague banding.</p> <p>Very weakly carbonatized.</p> <p>Locally silicified, probably by intermittent ash-fall.</p> <p>Blocky fractured core, with carbonatized fracture surfaces.</p> <p>Tr. diss. Py. C.A.T. 65-70°</p>									
21.0	34.75	<p>Massive, Carbonatized Intermediate-Mafic Volcaniclastic</p> <p>Decussate < 1mm chl-bte feldspar - ? amphibole intergrowths forming a non-magnetic, moderately to weakly carbonatized matrix, which supports lentic chl-bte (?) amphibole fragments</p> <p>25.75 - 34.75 increasingly carbonatized fine-medium grained near-hypidiomorphic with lobular-banded chlorite.</p>									

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 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____
 Rang : _____ Élévation Orifice: _____ Commencé le : _____
 Lot : _____ Azimut: _____ Terminé le : _____
 N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
 AX: EX:
 AQ:

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		21.0 - 25.25 Haemobitic, occurring as interstitial crystals, blebs, stringers or vaguely defined, thin bands. (Latter up to 1.5cm width). 1' specularite within matrix or intimately associated with haemobite 1' carbonate & replacement quartz within matrix. Tr. diss. Py								
34.75	44.9	Silty mafic volcaniclastic Initiation grey-green to dark grey silty, weakly carbonatized, poorly foliated to massive, with a vaguely defined but slumped contact (with injection structures into sub-unit), at 37.3, then pale to greenish-green, tabular, moderately carbonatized & albite. Mineralogy of matrix & Flask as 21.0 - 34.75 Tr. diss Py. C.A.T. 60° Sharp lower contact, appearing truncated								
44.9	71.0	Ash contaminated Chloritic Siltstone Grey or dark-grey, aphanitic to fine-grained, massive, non-magnetic. Matrix is generally chloritic & weakly carbonatized. Unit contains thin beds or clasts of a carbonatized, biotitic mudstone. Carbonate often defines a foliation of 55° to A. & is								

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
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 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____
 Rang : _____ Elévation Orifice: _____ Commencé le : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	
		the form of small 1-2mm blebs. E.g. 48.1-49.1, 54.4-56.1. Class: low 52.75-54.0 64.0-71.0 Blocky, fractured, moderately chloritic									
		1-21: irregular carbonate & replacement - quartz stringers, randomly oriented. Blocky zone exhibits most distinct veinings & 2-3" by volume. Lower contact sharp, partially truncated.									
71.0	72.5	Hybrid zone. Haematitic, grey to dark grey or bluish green. Recrystallized, massive, non-magnetic. Fine, but poorly brecciated by carbonate - ylt. ± haematite veins. Very waxy carbonized matrix. Matrix composed of intergrowths of fine-grained locally bladed chlorite & subordinate biotite, talc & possibly trace amounts of amphibole. Tr. less Py.									
72.5	92.1	Carbonized Mafic - Ultramafic Biotite - Chlorite - Talc Fragmental. Dark grey, grey, bluish-grey, fine-medium grained, moderately foliated. Characterized by abundant self-supplied or. 4mm or upto 1cm long deussite.									

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 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:
 Rang : _____ Élévation Orifice: _____ Commencé le : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		tabular bladed or ragged, sub-angular biotite with interstitial chlorite-biotite-feldspar-carbonate-talc. Latter may occur as thin recrystallized stringers. Trace amounts of matrix-bound sericitic paragonite. Hornblende-nmmed plagioclase crystals on tiny 1/4 mm glz. shards account for 1% of matrix, but more discernible at depth. Represent crystal-ash fall. Tr. dir. Py. C.A.F. 55-65								
92.1	96.75	Silicified Chloritic Siltstone. Dark grey, aphanitic to fine-grained, massive. Initially dark grey-green with bluish tinge (talc?). Locally, weakly carbonatized & foliated. Contains interformal, oolitic clasts & brecciated laminae beds at top 50cm of unit. 94.5-96.75 Fibre-ash contaminated, dacitic, marked by <1mm white plagioclase xls & trace 1/ glz. shards within a weakly carbonatized chloritic silty matrix. Latter grades into 96.75-108.6, with increasing silicic ash. 94.5. Pinkish or pale brown-grey, aphanitic quartz (Annealed, interstitial ash fall). Tr. dir. Py	2-1	92.1	96.75	4.65				

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 Rang : _____ Elévation Orifice: _____ Commencé le : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES						
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Véil.			
96.75	108.1	Rhyodacitic Pyroclastic Ash Fall											
		[Pale Grey to vitreous pale brown grey or pale blue grey, aphanitic to fine-grained, essentially dacitic, silty-ash matrix (to 100 ft) containing Lmm long, subhedral white plagioclase crystals, becoming rhyolitic, massive, recrystallized, sub-vitreous, with abundant & locally, clast-supported feldspar & qtz shards (Lmm diameter). Lower zone contains 3-5' thick host stringers or clasts of dark green biotite-chlorite or blue green to black chloritoid/chlorite (Notably, from 100.0-101.75, & 105.0-107.0)	2-2	99.4	103.1	3.7			0.002				
		Overall unit becomes progressively rhyolitic & massive, probably through silica flooding. Colour changes to vitreous brown-green or blue green, with only relict clasts representing host unit (sediment)	2-3	103.1	107.0	3.9			0.004				
		104.0 - 107.0 Rhyolitic, vitreous "charly" with localized moderate to intense brecciation. Contains fine silicified Lmm plagioclase shards & annealed qtz crystals within an aphanitic vitreous to sub-vitreous, pale green or pale brown massive or locally banded host. Contains 1-2' stratiform, disseminated Py; (Recrystallized after silica flooding of flow banding?), both 106.0-107., otherwise 11.1 disseminated Py throughout sub-unit											

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 Rang : _____ Élévation Orifice : _____ Commencé le : _____
 Lot : _____ Azimut : _____ Terminé le : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		<p>Minor comminution of quartz at base producing recrystallized sub-rounded grains with granoblastic texture. Pyritiferous veins at contact. 15 cm wide contact zone with trace carbonate in matrix.</p> <p>107.0-108.1. Silty ash Fall</p> <p>Sparsely carbonatized, silty matrix. Fine-grained feldspar - Qtz - chlorite matrix containing small graphitic mudstone clasts. Tr. dark Py. - occurring mainly as thin 2-3mm wide veinlets</p> <p>C.A.F. 48. Foliation confined to top of sub-unit.</p> <p>Sharp lower contact</p>								
108.1	111.9	<p>Laminated, Graphitic Mudstone</p> <p>Dark grey, fine-grained, massive to laminated initially, to 108.4. concave with solution of lenticular 2-3mm long carbonate within a silt-ash bed. Contact with mudstone s.s. marked by mud injection structures.</p> <p>Mudstone contains graphite intimately associated with hte-chl or concentrated along S-planes. Laminae comprise carbonate & Py-Po aggregates or nodules e.g. 111.6 for latter sulphides also occur as blebs or lenses throughout. Minor 2-3' chert clasts within matrix.</p>	2-4	108.1	111.9	3.8		0.01		

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 Rang : _____ Elévation Orifice: _____ Commencé le : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		Overall 2-3' Py-Po C.A.F. (Carbonate laminae) 60° Lower contact is sharp, marked by graphitic mudstone stringers or laminae within lower unit								
111.9	117.8	Brecciated silicified Pyroclastic Flow Abundant clast-supported, partially annealed & sutured glz & subhedral to euhedral shards & crystals. Sub-angular to tabular or rounded, where crudely aligned fibers may define a C.A.F. of 55-65° Interstratified carbonate & biotite both decrease in volume at depth, from 10' to 1-2'. Bte. may also define a C.A.F. as above. Feldspar & low lesser extent glz fragments may contain biotitic fragments, suggesting nucleation of feldspars around biotite. Matrix is silicic, with annealing of clasts or crystals. Angularity of some fragments suggests proximal source &/or brecciation & subsequent silicification. Some fragments are comminuted & annealed sub-rounded. Unit contains 1' fuchsite lenses, aggregates or stringers. 2'-3' granular fine-grained aggregate or clastic or disseminated.	2-5	111.9	117.4	5.7			0.002	

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	
		<p>Po. 2' disseminated (very fine) Py. Pyrite may occur as mineralization at Po aggregate or clast boundaries. Po is strongly magnetic, copper-yellow to copper-brown.</p>									
117.8	119.4	<p>Semi-Massive Py-Po. (sub-Unit) Py:Po ~ 10:1 Granular to coarse-grained, cubic. Matrix is relatively silty, dacitic, with 2' fuchsite stringers, 1' carbonate & 2-3' discernible Qtz-feldspar shards or eyes, up to 1mm in diameter.</p> <p>Upper & lower contacts are sharp, suggesting rapid deposition.</p>									
119.4	122.9	<p>Carbonatized, Dacitic Lithic Volcaniclastic Non-magnetic. Massive. Comprises fine grained intergrowths of chl.-felspar-biotite-lake. Tr. diss. Py. No distinct fragments/shards. Uniform texture & lithology throughout. Sharp lower contact.</p>									
122.9	1243.0	<p>Dacitic - Phyrodacitic Crystalline Ash Flows Subdivided into: 122.9 - 127.75 Pale Grey, aphanitic to fine-grained, with interstitial graphitic mudstone stringers from 125.4-127.75</p>									

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 Rang : _____ Élévation Orifice: _____ Commencé le : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES						
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérf.			
		127.75 - 151.25 Dacitic - Rhyodacitic, locally silty crystal Ash Flow											
		Fine-grained pale grey, locally with tr - 1'	2-8	127.75	132.75	5.0							
		fractured fragments. Overall matrix is slightly more dacitic than 122.9-127.75, due in part to less silicification & very finely disseminated mafic	2-9	132.75	137.75	5.0							
		Mafic stringers are uncommon & erratically distributed	2-10	137.75	143.0	5.2							
		Crude foliation again defined by elongate qtz shords. C.A.R. 60-70° Size range < 1mm to 5mm length.	2-11	143.0	146.1	3.1							
		Carbonate is poorly & randomly distributed < 1' by volume. May occur as ragged granular stringers, with pyrobitic rims. Locally a more qtz shord rich zone, as 1-2mm blebs	2-12	146.1	151.0	5.0							
		Mineralization: 5' Py, 1' Po. Former occur as fine to coarse grained (cubic) clasts, laminae or nodular sulphides & latter occur as separate, fine-grained aggregates, or intimately associated with Py.											
		Nodular Py (concentric) may occur within coarse grained, more massive banded Py. Py nuclei within qtz xls., as 122.9 - 127.75											
		151.25 - 154.6 Fine-grained, massive, poorly carbonatized, Intermediate - Mafic Volcanoclastic											
		Intergrowths of chl. - Bie. - Feldspar. No large clasts. Uniform grain size.											
		Tr. diss Py & Po											

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	
		1.5 cm. cte-Po vein at 152.9 ft.									
		154.0-154.6 Moderately feldspathic & carbonized ie dacitic recrystallized granoblastic. Truncated contacts.									
		154.6-160.3 Semi-Massive Py-Po in Rhyodacitic Pyroclastic Flow >60% sulphides. Py:Po ~ 8-10:1. Locally evidence of concubinary mineralization with coalescence of up to 1cm diam. nodular Py. Pale grey, dacitic or trachytic matrix. Fine- grained with localized but abundant (over 1-10cm) sub-angled qtz shards in a feldspar rich matrix At depth matrix (represented only as stringers or clasts) composed of graphitic mudstone. 1' carbonate as fine disseminations or 1mm blebs 1' cte with replacement qtz veinlets Sulphides are coarse in massive sections over 2- 30cm with cubic Py. Po is usually interstitial grains.	2-13	154.6	160.3	3.7			0.004		
		160.3-167.3 Similar to 127.75-151.25 shards & crystals of qtz >> feldspar up to 3mm in length in a pale grey feldspathic matrix. Matrix is weakly carbonized & locally causes minor	2-14	160.3	163.7	3.4				Not	
			2-15	163.7	167.3	3.6				Not	

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	V&K.
		4-51. Banded Fe. granular & disseminated Pp Tr. - 11' Po. (granular, disseminated) Contains a thin section of subvolcanic Ash Tuff with 10' disseminated Fe. & thin hematite biolite stringers. Abrupt contacts.								
		181.5 - 204.6 Rhyodacitic flow Characterized by poorly defined white feldspar & quartz crystals < 1mm in length within a pale green vitreous matrix. Sub-banded structure with greenish bands up to 10' thick.	2-19	181.5	185.5	4.0			0.002	
			2-20	185.5	189.75	3.15			Nil	
			2-21	190.0	195.75	5.25			0.004	
			2-22	195.75	200.1	4.35			Tr	
		Unit exhibits silica replacement and contains more than 10% green matrix. Sub-banded structure with Fe. granular & disseminated Pp (300' presence of biolite). Mineralization associated with crystal shard disseminations within an ash matrix to crystals. Tr. - 11' Po.								
		189.1 - 190.0 Green dark greenish matrix fine grained with a carbonized, non-magnetic chlorite matrix. Exhibits irregular structure into pseudotachylite. Locally substituted with more massive recrystallized & feldspar-quartz inclusions.								

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 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ: _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		200.1 - 204.6 Silty Grey. carbonated Matrix Volcaniclastic. Non-magnetic. Contains thin < 1mm diam. plagioclase & subordinate gln. fragments								
		204.6 - 220.0 " As 181.5 - 204.6 "bul" low sulphide content. - 2-3% Py/Po. Po:Fe = 5:1. Py is max abundant. as dissemination in matrix	2-23	204.6	210.0	5.4			Tr.	
			2-24	210.0	215.6	5.6			Nil	
			2-25	215.6	220.0	4.4			Nil	
		Py occurs as granular aggregates or lenses exhibits a low sulphur content. Zone contains all the classic associated matrix. Zone contains chlorite. No hematite. All at 200-220.0								
		211.0 - 215.6 & 218.3 - 220.0 CA F. 55°								
		220.0 - 243.0 As 167.3 - 177.6 Bul Py:Po ratio 10:1 & 3:1 in various mineralogical zones	2-26	220	223	5.0			Nil	
		more or less rounded grains. rather than lenticular. Matrix silty. a minor silt component. but still silty. silty-dacitic in composition. very weakly & locally carbonated local deposition of silt shales	2-27	228.2	233.0	4.8			Over 2	
			2-28	234.5	239.5	5.0			Tr.	
			2-29	239.5	243.0	3.5			0.002	
		226.75 - 228.3 "liberalized" (Dacitic). Locally, silty. a minor silt component. but still silty. silty-dacitic in composition. very weakly & locally carbonated local deposition of silt shales								
		226.75 - 228.3 "liberalized" (Dacitic). Locally, silty. a minor silt component. but still silty. silty-dacitic in composition. very weakly & locally carbonated local deposition of silt shales								

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		<p>feldspar - quartz. Probably a chloritic siltstone with a bit of shale. Sharp, abrupt contacts</p> <p>233.0-234.5. Tabular, subangular plates silty lithic Ash volcanoclastic. Carbonized. Chloritic. Contains some large feldspar & qtz fragments.</p> <p>Overall: Sub Unit 2290-2300. More silty & chloritic at depth (increases only a few percent), with a concentration increase in biotite crystals.</p> <p>Sulphides decrease markedly towards top.</p>								
243.0	256.1	<p>Chloritic siltstone. Matrix Volcanoclastic. Non-magnetic. Silty. Contains some carbonized massive concretionary small chloritic feldspar & quartz as fragments. Intergranular.</p> <p>2-5% biotite present. < 1mm diameter.</p> <p>1% carbonate. Some small sh. in some width.</p>								
256.1	281.9	<p>Dacitic - andesitic Pyroclastic (Crystal Tuff)</p> <p>Non-magnetic, grey, massive to poorly brecciated. A gradual slight increase in silt at depth.</p> <p>Contains abundant long, 2mm tabular shards (often with Py mineralization within or adjacent to clasts), within</p>	230	256.1	261.6	5.5			nd	
			231	261.6	267.0	5.4			nd	
			232	267.0	272.0	5.0			tr	
			233	272.	277	5.0			nd	

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérl.
		a grey, dacitic matrix: 3 1/2 Po as ragged clasts or laminae 2". disseminated Py or as crystals within (granular) Po sulfide & weakly brecciated in sulphide (Po) rich zones	2-34	277	281	4.0			1.4	
281.8	291.0	Intermediate - Mafic, chloritic Lithic Ash Tuff Fine-grained, massive, weath. carbonatized, containing intergrowths of chlorite - plagioclase - biotite - quartz, supporting tiny 2mm wide fragments of biotite & local concentrations of ash-fall plagioclase - quartz shards. Contains a 30cm dacitic crystal buff bed Tr. diss. sulphides								
291.0	307.0	Chloritic, silty Dacitic Volcaniclastic Grey, massive, fine-grained, dacitic with locally shandacitic or chlorite-silt zones. Contains more chl (& also talc) than previous dacite units. Recrystallized, with very fine ground to aphanitic fabric shards producing sparse, poorly defined, weldony or, more usually, a siltified, grano- blastic fabric. Matrix overall is chloritic-silty with ash or crystal perovskite debris Sulphide mineralization occurs as disseminated Py	2-35	291	296	5.0			Tr	
			2-36	296	302	5.0			Tr	
			2-37	302	307	5.0			Tr	

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		(1'), granular, lensoidal or clastic (2') Po. Po & Py seldom occur together, with a notable exception being within thin 2-4 mm wide carbonate veins. 1' randomly oriented carbonate veining								
307.0	313.9	Carbonatized chloritic siltstone. Massive greenish grey, fine-grained. Non-magnetic. Supports small < 2mm albicized plagioclase crystals. Only trace amounts of glz shards. No silicification. Gradational contacts. Tr. disc. Py								
313.9	329.5	Silly, Dacitic Crystal Tuff. Locally chloritic. Weakly magnetic or carbonatized & recrystallized. Matrix is dacitic overall, locally siliceous, rhyodacitic & exhibiting minor brecciation, otherwise massive, composed of feldspar-chlorite-quartz-biotite intergrowths. Silicified zones may be welded or brecciated, usually containing quartzose fragments defining a crude lineation. 1-2' Po clasts as stringers with disseminated Po within. Matrix disseminated Py is more abundant, 1' by volume. Mineral lineation of 60-75° may be defined by sulphides	2-38	313.9	318.2	4.3			Tr	
			2-39	318.2	324.6	5.4			Tr	
			2-40	321.6	329.7	5.1			Tr	

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES							
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.				
		321.8-326.0 Chloritic, silty, resembles a very sparse buffaceous siltstone												
		326.0-329.5 Carbonatized, recrystallized ash-fall silty volcanoclastic. Small-scale shearing of beds containing ble laminae. Grey, foliated to laminated with small-scale shearing of beds												
329.5	333.6	Ash-fall, chloritic siltstone Greenish-grey, massive carbonized, weakly magnetic, sparsely silicified. Ash-fall comprises matrix-supported 44mm diam felsic shards. 5% calcic (Ferm) - qtz veining. Tr. disc. Py Gradational contact, over 5-8 cm												
333.6	352.0	Porphyroblastic Altered Mafic Flow Coarse grained grey-green characterised by abundant sub-hexagonal chlorite, chlorite and amphibole blasts up to 1 cm radius in an albicized plagioclase-chlorite-talc matrix. Non magnetic. Matrix is a pale bluish-green, appears "bleached" recrystallized, with tabular & blocky or blocky neo- crystalline growth. 1% plagioclase - qtz - carbonate veinlets, randomly oriented. Contact zone fine grained, over 30cm. Upper contact												

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.
		<p> a more chloritic, massive, hypidiomorphic to augur granular, occasionally porphyroblastic, with a carbonatized albite-chlorite matrix supporting laths or needles of chloritized amphibole, recrystallized to sub-idioblastic oval amphibole blastic at 335 ft. Lower contact zone commences at 350 ft. as sharp defined surface a lithological & textural contrast. Below 350 ft unit is more biotite-chloritic, with up to 3mm blastic subhedral Py. Matrix is clastic, chlorite-biotite-feldspathic - calcic, suggesting a partial ultramafic origin. Texturally hypidiomorphic, locally blastic, medium-grained. </p>								
3520	359.1	<p> Laminated Carbonatized, Biotite Marble Grey, fine-grained, laminated to tabular with carbonate laminae or folia & carbonate veins up to 3mm in length, dolomite a limestone 70-80 to c.A. Non-magnetic, matrix is biotite-chlorite with subhedral feldspar. Lower contact from 358-359 is calcic siliceous (dacitic), with more pervasive carbonate. Resembles a chlorite gillstone. 1' durs. Py </p>								

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Couronne
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
359.1	382.0	<p>Porphyroblastic, Altered Major Flow AS 3336-3520, but finer-grained Blasts average 4-5mm width. Matrix is microchloritic with some interstitial albicized plagioclase, sporadically haematitic with 2-3% ash fall (felsic) contamination (plagioclase shards). Blasts are biotitic & pseudomorphic after amphibole. In some zones unit is hypidiomorphic to ophite. weakly carbonatized throughout. Crude alteration of blasts in some zones, over 1-3cm widths, at 65° to CA 380.75-382.0 Haematite altered plagioclase crystals & recrystallized tabular-elongate or blades of biotite (after amphibole?). Non-magnetic, very weakly carbonatized. Lower contact is medium-grained with 3-5mm diam porphyroblastic amphibole & sharp, no chert. Felsic shards increase slightly with depth</p>								
382.0	398.0	<p>Tuffaceous, Chloritic Siltstone Massive fine-grained, weakly carbonatized, A matrix of biotite-chlorite-feldspar-quartz intergrowths supporting up to 3mm felsic shards, (av. < 1mm diam.) Tuff fines at upper & lower contacts over 45-60cm.</p>								

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
398.0	431.0	<p>Tuffaceous siltstone.</p> <p>Grey, fine-grained, massive, very weakly (& locally confined), carbonate, over 1-10cm widths.</p> <p>Matrix is silty, with <math>\leq 1\text{mm}</math> fine clasts or crystals essentially distributed within unit, suggesting volcanic-clastic debris. Non-magnetic</p> <p>1' thin etc - replacement of quartz veins</p> <p>1' Po as stringers, or ragged clasts</p> <p>1' Py disseminated within matrix, Po, or as stringers</p> <p>Poorly silicified better in proximity to veins</p>	2-41	408	413	5.0				ML
		<p>1' thin etc - replacement of quartz veins</p> <p>1' Po as stringers, or ragged clasts</p> <p>1' Py disseminated within matrix, Po, or as stringers</p> <p>Poorly silicified better in proximity to veins</p>	2-42	422	425.5	3.5				W
431.0	435.1	<p>Brecciated, Tuffaceous siltstone</p> <p>Grey, massive, fine-grained, locally silicified.</p> <p>Non-magnetic. Probably same unit as 398.0-431.0</p> <p>Brecciated & partially silicified over 2-20cm widths by 5% carbonate replacement quartz veins (web-like texture). Orientations dispersed at 60°, 30° & 0-10° to c.a. Av. width 3mm.</p> <p>Matrix is felsic, biotitic with minor chlorite very weakly & sporadically carbonatized & recrystallized.</p> <p>More irregularly brecciated zones are Po-Py mineralized along fracture planes (remobilized?)</p> <p>Pentiferous zones, as present, are silicified disseminated, stringers, or clasts.</p>	2-43	432.1	437.1	5.0				ML

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	V&K.
		<p> vaguely defined contacts marked by decline in Brecciation which characteristically produces annular shales related fragments within a network of carbonate qb veins or Po-mineral carbonate shinnies 3' Po. 2' Py. </p>								
435.0	459.0	<p> Tuffaceous Siltsione Relatively massive, weakly carbonized matrix (feldspathic, subsidiary biotite), non-magnetic. Contains thin pale grey, fine grained to aphanitic, massive or laminated & sparsely siliceous Dacite-Phyodacite beds C.A. 60° 1' irregular carbonate veins at 50° 30' & 10' to C.A. </p>	2-46	437.1	442.1	5.0				Nil
459.0	499.5	<p> Brecciated Tuffaceous Siltsione As 431.0 - 435.1. More prominent & abundant brecciation. pervasive, localized carbonate alteration. 2' Po associated. 1' disseminated Py More brecciated zones are Po-rich with ragged clasts up to 2cm in length 465.2 - 467.0. Shaly part. Not chlorite-affected & siliceous pseudobanded. Finely brecciated with 1' dec. Py. </p>	2-45	459	464	5.0				Nil
			2-46	473.7	478.5	4.8				Nil

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES														
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.											
499.5	508.0	Tuffaceous Siltstone As 398.0-431.0.																			
508.0	516.1	Massive to foliated or laminated Tuffaceous Siltstone Grey to pale greenish grey, fine grained, massive or locally a poorly developed foliation of ble-chl. lamination of 60° to c.n. Carbonate-act veinlets predominate, local poorly developed brecciation with crystallization of chl-talc as stringers, or clasts. Foliation developed into ble layers or carbonates or felsic (blebs & shandy respectively). Tr. diss. haemate. 1% diss. sulphides. Gradational upper & lower contacts (define)																			
516.1	521.5	Various lithologies. Initially a carbonatized, biotitic hypidromorphic to equigranular or decussate-equigranular fine to medium grained mudstone, becoming silty-fines grained with Py laminae parallel to a mild foliation & finally a fine-grained massive, siltstone with local brecciation by carbonate (as 499.0-499.5)																			

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.
521.5	567.7	Silicified locally chloritic, tuffaceous siltstone grey to pale- or greenish-grey, fine grained, massive with weak carbonated dactyl (tuffaceous) interbeds containing small limonite inclusions of bleached & talciferous, or silicified & weakly becciated (gradung & carbonaceous), & contains ragged becciated P ₁ & disseminated, subhedral P ₂ " Below 537.6, silicification is fine-grained to aphanitic green-grey, sub-irregular, with irregularly oriented or pervasive carbonatic-quartz veining Trace disseminated hematite throughout. A weak foliation of 70-80° to S.E. defined within the tuffic (interbedded) but beds by biotite clasts, coarse or laminae Pseudomorphs of hematite, pale med. grey, & pale pink grey (trace disseminated hematite present within dactyl est. tuff beds, notably from 537.7-542.0. Below 544 ft unit is a massive, micaceous massive with beds of a biotitic, carbonated ?-Mafic (granitic). Foliation as above. trace may occur as small, dark, decussate needles Tr. diss. Py.	2-47	521.5	524.5	4.25				Tw
			2-48	537.6	542.6	5.0				Nel
			2-49	542.6	543.9	1.3				Nel

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
567.7	585.0	Carbonized, Recrystallized Biobitic Fragmental Mudstone) Dark grey, fine-grained per margitic. A biobitic matrix supporting abundant plagioclase shards. Locally, shards are clast-supported up to 3mm diameter size & abundance decrease at depth lamina biobitic bands up to 1cm in width to diss. Py Contacts as with igneous rocks								
585.0	595.2	Tuffaceous Siltstone " Grey, massive, locally laminated or foliated (Btc) or carbonates lenses or inclusions. Contains various deformed dacite & andesite beds. 2-3% carbonate veinlets irregularly oriented in upper contact								
505.2	632.0	Dacitic Pyroclastic Ash Flow Grey, fine-grained to aphanitic, vesicular carbonized. Massive to weakly foliated, contains lens, << 1mm felsic shards/blocks of quartz & subordinate kalspar. Weap. & locally brecciated 1/2 diss. or rounded clasts Py. 1/2 fo. as grains within, colour of matrix or blebs. Below 601 ft., lens chlorite within matrix, essentially	2-50	595.2	600.2	5.0			TV	
			2-51	608.5	613.5	5.0			TV	

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		<p>a buffaceous (dacitic) siltsstone. Abundant flat shards of silica crude lineation $60-80^\circ$. Py min occurr as nodules concentrated in bands. ed. 612 ft.</p> <p>Contains interbedded carbonated chlorite silty volcanic ash units, notable in 614.5, 615.5, 624-625. & then up to 10cm beds of pale grey silty sandstone with abundant pyrite and small flat. (No silty component)</p> <p>Abundant coarse sandstone</p>								
6320	66/17	<p>Alfaro Major Fragmental</p> <p>Volcanic fragment & silty sandstone. Fine grained foliated to laminated, is recrystallized hydrothermal. Sulfidic biotite carbonated very abundant. grey-green color. C.A.S. 70°. Texturally related with some silty sandstone. Sphalerite with pyrite in beds up to 1mm in width. Horizontal biotite.</p> <p>638.2 - 642.0 Silty ash-bedded, foliated to laminated (biotite coarse), lam. sandstone disseminated Py. Biotite exhibits small-scale shearing. Biotite aggregates are common. Traged to sub aligned. Upper contact a thin biotite lens in diffuse</p> <p>642.0 - 648.0 foliated, biotite fragmental</p>								

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		AS567.7-585.0 c.n.f. 70° / bright lower contact 648.0-661.7 Dark gray to dark reddish brown, recrystallized, fine-grained, with abundant biotite or needles of ?-amphibole, or biotite after amphibole randomly oriented within a biotite-chlorite- feldspar matrix. Matrix supports felsic shards up to 5mm in diameter which exhibit sub-hedral to xenoblastic habit. Magnetite, with diss. P ₁ & magnetite Pseudobrookite - with coarsening of ?-amphibole & / or biotite crystals. 1% carbonate within matrix. Below 661.7 similar to 5% ?-amphibole within a Bte.-chl. feldspar recrystallized with volcanic like Gradational contacts								
661.7	665.9	Interbedded Lithic Fragmental Sandstone & Carbonated Biotitic Fragmental Formerly tabular, coarse-grained, dark gray to brown massive, calc. carbonated non-magnetic, containing Lithic Bte. & chl. clasts up to 6mm in diam. (av. 1mm) dispersed in c.n.f. of 60° supported by calcite. Silty matrix. Lathes sub-parallel, may grade into lenses with decussate biotite. Characteristic tabular & bladed biotite & biotite after amphibole & chlorite								

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES						
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	V&H.			
		partly clastic? feldspars are saussuritized. Carbonatized & magnetic. with some py.											
665.9	708.75	<p>Bte.-chl.-Talc-carbonate Altered flows & siltstone. Matrix, biotite fragments.</p> <p>Flows are grey-green to pale greenish grey, dyed & laminated magnetic, with recrystallized talc-chlorite lenses & laminae which are close in proximity to carbonate (calcite) laminae. Veinlets carbonate is calcitic, 5% by volume. Flows are magnetic, relatively massive & poorly laminated, [some] transitional to schistosity in some places which are simple. Matrix is to some extent greenish grey, foliated & carbonatized. Bte. chl. feldspar matrix consists of small, fine & coarse amphibole, etc. 60°</p> <p>A. during flows are chlorite & calcite in matrix. pale greenish grey, fine grained, very argillaceous chlorite volcanic tuff. Chl. are in fact in situ & dissolved out. Flows contain chl.-c.s. stringers, & some matrix.</p> <p>To. det. Py</p>											

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.
709.75	720.7	<p>Komatiitic (Spinifer) flow: Bte chlt - Talc Flows.</p> <p>Maagnetic with local development of spinifer between small scale chert and spinifer Bte appears as recrystallized blades within fractures Malin spinifer. Some magnetic spinifer Bte chlt - chert - talc textures, some with spinifer at 713.7. Occasionally, spinifer talc or chert or both like masses within matrix. 3-4" developed. Spinifer is carboniferous dark or thin. In one section, spinifer ironiferous. Spinifer with thin plates 5' matrix. Shredded calcite spinifer matrix. Some spinifer, some spinifer appearance. Spinifer 5' dis. Pi</p>								
720.2	721.5	<p>Lithic Malin ironiferous Maagnetic. Spinifer, some spinifer in 665.90 - 709.75</p>								
725.6	753.0	<p>Bte chlt - Talc - cte Flows Dark grey, maagnetic, with less carboniferous than previous flow units. Sporadic localized</p>								

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 AQ:

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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.	
		<p> <i>spinyex</i> c.g. 739. Disturbed talus with or pseudotilted, matrixed talus zones are common. Blue to green zone with high carbonate content. Width up to 10cm. Flaws are commonly sheared with denudation structures e.g. stumping or a saw to undulate foliation. Weak magnetic than previous flow. Overall more massive, less carbonized & sheared. Tr. dense. Lower contact is in matrix grade unit. </p>									
753.0	784.0	<p> Foliated Biobite (Ashfall) U-Mafic Fragment. weak magnetic matrix in talus. Matrix is with lesser foliation. Matrix is more massive than ash fall clasts. Talus are often hematitic. Matrix is carbonized with a few clasts of clods, carbonate blebs or sub-olivine at clasts. Locally coarse (U-Mafic) (U-Mafic) Group. Matrix contains many talus zones with foliation represented by numerous "Contacts are sharp with minor injection structures. Unit contains 2-3' carbonate veins but Bte ch. (circumtaped veinlets) which exhibit bleaching or weathering with a bit of corrosion developed. </p>									

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérf.
7840	8016	<p>Bte-cht. Tale 1 zone</p> <p>Maqrite, contains spots of various amounts of Bte & chlorite with locally disseminated re-crystallized tale as structures or laminae</p> <p>Preceded & covered throughout various minor amounts of disseminated Bte clasts or crystals up to 3mm in length. Calcite occurs within micritic or thin grainy sh. layers, & usually within more biotitic zones. Trace of pyrite, associated with or linear biotitic-carbonate laminae, often at 20-30° to c.n.</p> <p>Below 195, increasingly talc & chlorite with tremolite-actinolite needles & talc coexisting to form pseudobands up to 3cm in width, laminae. Sph. & sharp contacts. Tr. diss. Py.</p>								
8016	8026	<p>Laminated chlorite silstone</p> <p>Locally, small - low magnesian siliceous? laminae interbedded with Bte &/or calc. Partly siliceous up to 10cm in width, are usually carbonized in detail.</p>								
8026	8050	<p>Feldspar laminae</p> <p>Silicified sub- to cylindrical, tubular white or light brown laminar plates, to 5mm diameter.</p>	2-57	8026	8080	514				nd

No SC 87-2

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
 Claim : _____ Section : _____ Ord. : _____ Plongée : _____
 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____
 Rang : _____ Élévation Orifice : _____ Commencé le : _____
 Lot : _____ Azimut : _____ Terminé le : _____
 N.T.S. : _____ Niveau : _____ Entrepreneur : _____

Couronne
 AX: EX:
 AQ:

Feuille No 32 de 38
 De _____ à _____
 Profondeur totale: _____

Journal: _____
 Date: _____

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.	
		randomly oriented within a layer... non-magnetic silty... later... tale... cleavage... by alignment... plagioclase... Tr - 11° div. Py. Pink... abundant... Upper... mica...									
2080	2240	Massive chloritic Siltstone Green... Sporadic...									

No 5C87-2

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
 Claim : _____ Section : _____ Ord. : _____ Plongée : _____
 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____
 Rang : _____ Élévation Orifice : _____ Commencé le : _____
 Lot : _____ Azimut : _____ Terminé le : _____
 N.T.S. : _____ Niveau : _____ Entrepreneur : _____

Couronne
 AX: EX:
 AQ:

Feuille No 33 de 38
 De _____ à _____
 Profondeur totale: _____

Journal: _____
 Date: _____

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES								
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	V&K.					
		- albite - chlorite fluids producing - recrystallized pale gray calc. zones, with ble. blades or needles & carbonate stringers. Gradational contacts. Tr. diss. Py													
824.0	839.2	Massive to foliated weakly Magnesian biotite laminated Sillstone. Ble. laminae occur in zones up to 10 cm in width & are shaly, carbonaceous. Increase in abundance to 829.0, though still confined to "bands" with uneven distribution throughout unit. A foliation is sporadically & finely developed by alignment of ble. crystals. C.A.T. 70 - 80° 828.0 - 828.5 Carbonate - hematite - pyrite Py veins with partially dissolved, recrystallized & blocky core. Below 829.0, more abundant, up to 27%. Ble. laminae & increasing amounts of calc. zone, sub-parallel to a lineation of 70-80 to 80°. Tr. diss. Py. or within etc. veins. Gradational contacts													

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
 Claim : _____ Section : _____ Ord. : _____ Plongée : _____
 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____
 Rang : _____ Elévation Orifice: _____ Commencé le : _____
 Lot : _____ Azimut: _____ Terminé le : _____
 N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No SC 57-2
 Feuille No 34 de 38
 De _____ à _____
 Profondeur totale: _____
 Journal: _____
 Date: _____

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	V&H.
839.0	902.0	<p>Komatiitic (Spinifer) Altered (Blc-chl - Fe-c)</p> <p>Flows</p> <p>Magnetic, greenish-grey, green or bluish-grey. Spinifer textures, present. Relatively massive but locally sheared & brecciated by calcite & subordinate Fe-carbonate (probably Fe-chl or ankrite). Veining (3-5% by volume). Carbonate also present as disseminations in matrix or as aggregates, blebs or distinct bands (pervasive alteration of matrix). Fe-chl may occur as thin rhombs.</p> <p>Moderate to intense carbonate brecciated or fractured zones contain recrystallized Fe-carbonate or Fe-chl - spinifer.</p> <p>[Below 887, Unit is increasingly massive, but has a meshwork of carbonate producing recrystallized chlorite along fracture.</p> <p>848.0 - 855.2 Magnetic, bluish-grey fragments. (St. rod green ultramafic volcanics?) Fair amount of chert. A highly biotitic (tabular-bladed) matrix with coarse disseminated chert with interstitial carbonate & 1-2mm felsic shards.</p>								

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne
 Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:
 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:
 Rang : _____ Élévation Orifice: _____ Commencé le : _____
 Lot : _____ Azimut: _____ Terminé le : _____
 N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No SC 87-2
 Feuille No 35 de 38
 De _____ à _____
 Profondeur totale: _____
 Journal: _____
 Date: _____

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
902.0	912.0	Biogenic (Massive) Mudstone Non-magnetic, less than 2% carbonate veining. Fine-grained, dark grey, locally recrystallized & foliated, at 50° CA, over 10-15 cm wide zone No discernible fragments. Gradational contacts, over 5 cm.								
912.0	950.0	mafic Volcaniclastic (Distal, chloritic Turbidite?) Grey-green, massive non-magnetic, fine-grained. A chloritic matrix supports abundant decussate shards of 0.1-1 mm av. 0.5 mm chl. bic. & amphibole Locally, medium-grained, siliceous, with basinal and ash fall shards of plagioclase up to 2 mm in width. Confined to widths less than 3-5 cm. Dark grey tabular - bladed or needle crystals in medium-grained zones are probably amphibole up to 6 mm in length, randomly oriented. Fracture planes are hematite-carbonate filled - no disc. by								
950.0	971.6	Ble-chl - Tale Flows Non-siliceous, massive, magnetic, fossiliferous, and with many, or as thin stringers. Matrix is brecciated & shaly, max fissure less than 834.0-902.0. No major shearing or brecciation, fossils 30-40% included.								

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
 Claim : _____ Section : _____ Ord. : _____ Plongée : _____
 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____
 Rang : _____ Élévation Orifice: _____ Commencé le : _____
 Lot : _____ Azimut: _____ Terminé le : _____
 N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No SC 87.2

Feuille No 36 de 38

De _____ à _____
Profondeur totale: _____

Journal: _____
Date: _____

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES						
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.			
		cu 8390-9070											
971.0	974.6	<p>Plagioclase Porphyry Up to 5mm wide subhedral, abundant white plagioclase in a fine-grained to aphanitic dark grey silty locally felsic ash (doubt) contaminated matrix. Blasts less abundant than in 907.6-809.0, smaller, with poorer crystalline habit. Pyrite associated to some bands. Contacts are abrupt, basallic & somewhat lower contact is chilled (fine grain size including blasts - mainly irregular, wearing pyroclastic fall) Tr. diss Py</p>											
971.6	982.6	<p>Massive Ultramafic Volcanic. Massive grayish green very weakly magnetic. Trace amounts of disseminated talc. Poorly carbonized & veined. Chertic alteration zones with small scale ironstone & hematite in some round core. No discernible clasts. Tr. sulphides.</p>											
982.6	986.7	<p>Plagioclase Porphyry As 971.6-974.6 with local dark grey - in lens by coalescence of blasts up to 3cm in width. Zones are apparently siliceous & hematitic. Many...</p>	212	972.5	986.7	4.1							

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
 Claim : _____ Section : _____ Ord. : _____ Plongée : _____
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 Rang : _____ Elévation Orifice: _____ Commencé le : _____
 Lot : _____ Azimut: _____ Terminé le : _____
 N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No SC 87-2
 Feuille No 27 de 38
 De _____ à _____
 Profondeur totale: _____
 Journal: _____
 Date: _____

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	As. oz. T	Vérif.	
		<p>dark with sporadic distributed nodules chloritized matrix with some local crude foliation Blasts are abundant av. diam. 1 mm cut to cubical local. clast supported Abrupt contacts no chilling (Pyroclastic flow?) Haematitic fracture planes Michelson Py.</p>									
9867	9980	<p>Mixed with Mudstone - Flow Siltstone & fine (Mudstone) hematitic massive dark grey fine to medium grained, non magnetic containing minor sporadic coarse matrix crystals becoming more pronounced at top with bleaching by some oxidized late change & locally brecciated. Magnetic below 996 ft</p>									
9980	1147	<p>Blc - chl flow Massive local tabular hematitic carbonate or anhydrous carbonate with massive even to dark grey. No spines or carbonate nodules or blebs separate & minor amount of dem. calcite lath-like on some 1070</p>									

No SC 87-2

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____
 Claim : _____ Section : _____ Ord. : _____ Plongée : _____
 Canton : _____ Lat. : _____ Long. : _____ Azimut : _____
 Rang : _____ Élévation Orifice: _____ Commencé le : _____
 Lot : _____ Azimut: _____ Terminé le : _____
 N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
 AX: EX:
 AQ:

Feuille No 38 de 38

De _____ à _____
 Profondeur totale: _____

Journal: _____
 Date: _____

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES						
			No:	De	A	Long.	% Py est.	% po. est.	Au. ox. T	Vérit.			
		1061.6-1067.6. Magnete recrystallized biotitic, carbonates fine medium grained mudstone. Matrix similar to some thin thin long, foliar shreds. Sharp contacts											
		1035-1093. Localite brecciated, shungers on blocks of carbonate or carbonate. recrystallized chc. & subordinate talc.											
		1093-1147. Distinctly laminated (Carbonate) to form bands of Btc - chc - Talc etc. with minor recrystallization of matrix. C.A. 70-90° Weather surface very rough, irregular, brown lustrous. Carbonate is crystalline, somewhat recrystallized, composed of laminae (8' in volume) Sub unit contains Breccia matrix of mudstone beds (massive, up to 20cm in width) Talc class 1/2 E.O. 1147 ft											
CAF. Readings		15.0' 65°	320'	65°	700'	60°							
		40' 60°	370'	65°	740'	50°							
		90' 60°	450'	60°	800'	75°							
		110' 60°	550'	70°	900'	50°							
		200' 70°	640'	70°	1110'	70°							



32D04SE0167 43 HEARST

900

Name and Address of Recorded Holder

Robert A. MacGregor

134 Palace Dr., Sault Ste. Marie, Ont. P6B 5H5

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed 1,147	Mining Claim			Mining Claim			Mining Claim		
	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.	Prefix	Number	Work Days Cr.
for Performance of the following work. (Check one only) <input type="checkbox"/> Manual Work <input type="checkbox"/> Shaft Sinking Drifting or other Lateral Work. <input type="checkbox"/> Compressed Air, other Power driven or mechanical equip. <input type="checkbox"/> Power Stripping <input checked="" type="checkbox"/> Diamond or other Core drilling <input type="checkbox"/> Land Survey	L	800684	55	L	821914	40	L	917302	20
		800685	60		821915	40		917303	20
		800686	60		821916	40		918926	20
		800687	60		857996	20		918927	20
		800688	60		857997	20		919033	20
		821911	40		857998	20		667837	60
		821912	40		857999	20		669668	60
		821913	40		892018	20		892066	20
								892067	20
								892068	42

All the work was performed on Mining Claim(s): **L522793**

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

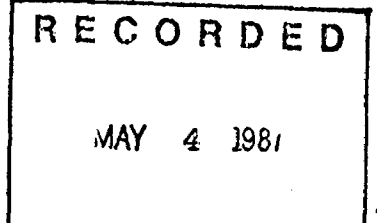
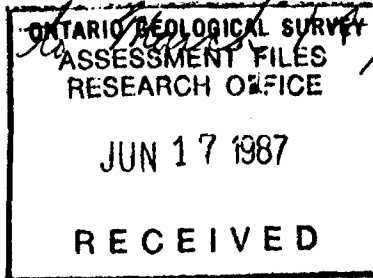
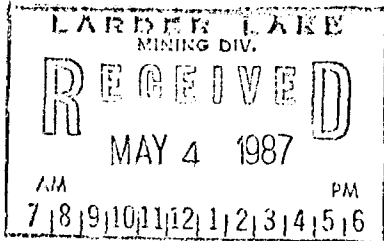
891863 10

Barron Diamond Drilling
227 Georgina St.
Haileybury, Ont.

Hole # 2
to 1147'

B.Q. Core

March 2/87



Date of Report
Mar. 24/87

Receipt #2
Recorded Holder or Agent (Signature)
R. MacGregor

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

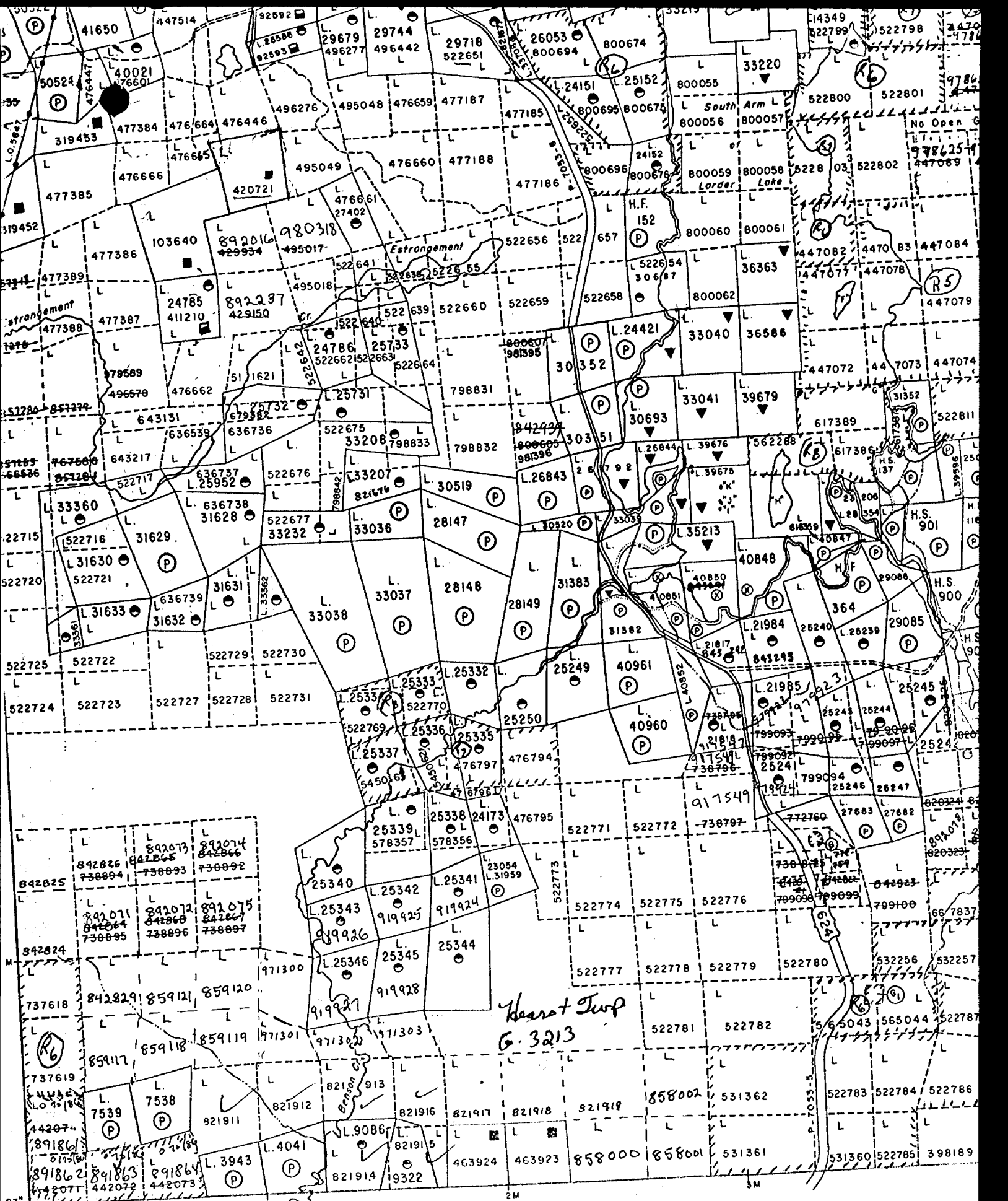
R.A. MacGregor, 134 Palace Dr., Sault Ste. Marie, Ontario P6B 5H5

Date Certified
Mar. 24/87

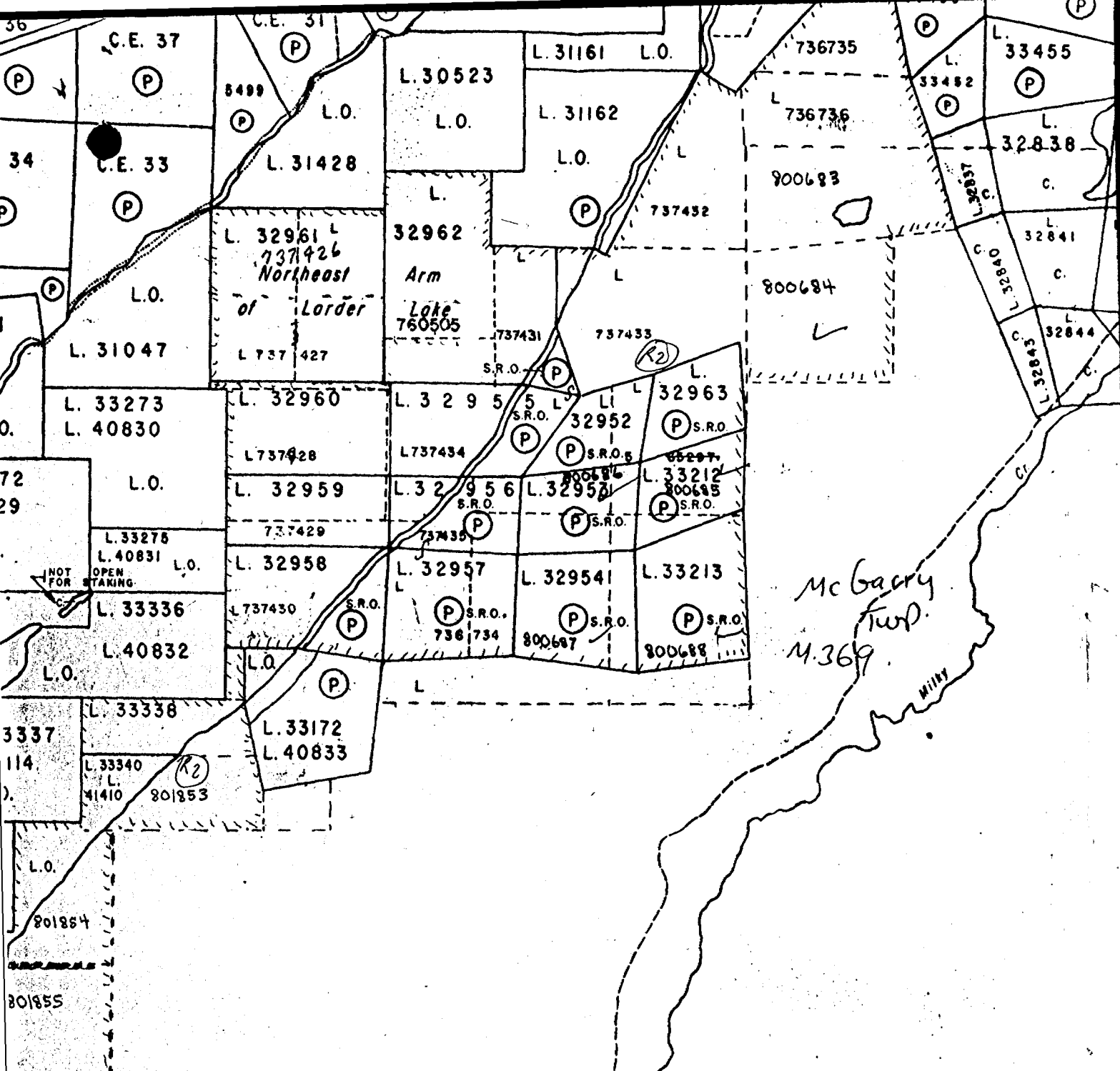
Certified by (Signature)
R. MacGregor

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	Names and addresses of owner or operator together with dates when drilling/stripping done.	
Power Stripping	Type of equipment and amount expended. Note: Proof of actual cost must be submitted within 30 days of recording.		
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.	Nil	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyor.		Nil



SKEAD TWP.



McFADDEN TWP. M-368

