

32D04SE0166 44 HEARST

010

DIAMOND DRILLING

Township: HEARST

Report No: 44

WORK PERFORMED FOR: Robert A. MacGregor

RECORDED HOLDER: SAME AS ABOVE [xx]

: OTHER [ ]

<u>CLAIM No.</u>	<u>HOLE No.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
L 523349	SC-87-5	797'	MAY/87	(1)

NOTES: (1) #243/87, filed in Jan/88.

No SC 87-5

Projet : SHARP GREEN Ligne : 106+50N Ord. : \_\_\_\_\_ Profondeur : 0 | 267'567' | 707  
 Claim : \_\_\_\_\_ Section : 3+00W Ord. : \_\_\_\_\_ Plongée : -45° | -42-28° | -20  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : 055° | -083° | 111  
 Rang : \_\_\_\_\_ Elévation Orifice: \_\_\_\_\_ Commencé le : 3. 5. 87. Couronne  
 Lot : \_\_\_\_\_ Azimut: \_\_\_\_\_ Terminé le : \_\_\_\_\_ AX: EX:  
 N.T.S. : \_\_\_\_\_ Niveau: \_\_\_\_\_ Entrepreneur : BARRON AQ:

Feuille No \_\_\_\_\_ de \_\_\_\_\_  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: 707  
 Journal: T.N.S. Hughes  
 Date: 5. 5. 87

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.	
0	12	casino (Bedrock setup)									
0	23.4	chloritic siltstone & interbedded iron-formation Green arsen line - oxidized massive to poorly foliated. Sporadic magnetite concentrations of fine, disseminated magnetite 1-2' hematite, calcite, or carbonate at veinlets with random circulation. Matrix is chloritic siltstone with very fine chlorite or biotite lenses or stringers 25-27.7 Silicified 2' div. Pe. Tr div. Pe. Gradation of lower contact									
23.4	62.75	Magnetite Matrix Volcanic Variable lithology. Small chlorite associated green arsen magnetite vein fine chlorite with laminae, or irregular bands of dark green chlorite - biotite, siltstone, or disseminated magnetite as above Brecciated to contorted or shaly or a local small-scale with associated silica- carbonate mineralization. Sulphides are concentrated in brecciated or fractured zones with 1/2 lower Cp mineralization. 2' carbonate veins concentrated in or adjacent to breccia biotite siltstone at depth									

Projet : \_\_\_\_\_ Ligne : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_  
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 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_  
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 Lot : \_\_\_\_\_ Azimut: \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 N.T.S. : \_\_\_\_\_ Niveau: \_\_\_\_\_ Entrepreneur : \_\_\_\_\_

No 5c 87-5  
 Feuille No 2 de 10  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
 Journal: \_\_\_\_\_  
 Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES						
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.			
		2' Pe to Cp Cordilleran lower contact											
62.75	75.6	Sub-volcanic lamprophyre Grey, fine to medium grained, non- magnetic, weakly carbonated, grey-green ferromagnesian and carbonate matrix abundant, randomly oriented, like needles blades or sub-rounded phenocrysts 1/2 length 1 mm. 2' haematite alteration of talciferous over 2-5 cm needles. (? Pst Fall)											
		69.6 - 70.25. Carbonate - haematite - Py- Cp vein. Massive white vein to 69.95. then haematite. Pe - Cp mineralized with fracture - infilling of chlorite 2-3' fine disseminated. Pe at lower contact within a haematitic, talcaceous siltstone.											
		70.1 - 72. Blocky to broken core lower contact is abrupt, slightly chilled.											
75.6	88.0	? Mafic Volcanic Grey-green, fine-grained, sporadically magnetic. Similar in appearance & lithology to											

No SC 87-5  
 Feuille No 3 de 12  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_

Projet : \_\_\_\_\_ Ligne : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_ Couronne  
 Claim : \_\_\_\_\_ Section : \_\_\_\_\_ Ord. : \_\_\_\_\_ Plongée : \_\_\_\_\_ AX: EX:  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_ AQ:  
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Journal: \_\_\_\_\_  
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	
		second unit, though little brecciation or "glumona" being relatively massive Epidote appearing as irregular lenses, bands stringers, or fracture-infilling. Unit becomes relatively massive at depth Gradational lower contact									
880	123.75	Massive mafic volcanic Green-grey fine-grained; sporadically & locally massive, massive locally fine foliated. C.A.F. less than 35° & over 10-45 cm widths 3' epidote stringers with random orientation 106-112.75 Foliated finely laminated with minor stringers of moderate epidote - Pt fracture infilling. C.A.F. 30° Hatched fracture planes with minor carbonate occur within lower 8 ft of unit Gradational contacts									
123.75	166.0	Laminated? - Mafic volcanic Fine-grained laminated & foliated sporadically locally massive Tr. - D. carbonate as veins Green to green-grey. Contains minor									

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Feuille No 4 de 10  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_

Journal: \_\_\_\_\_  
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		<p>epidote mineralization as blebs, patches on            streaks parallel to a low angle often            undulose. Inclination of 0° to 30° to C.A.            Also contains biotite aggregates or clasts            (rip-up mudstone?) &amp; decomposition            fracture - infill carbonate ± Py, notably from            132.0 - 134.0 (27 Py within sub-unit)            From 153.0 - 166.0, increasingly laminated            siltst. (more chloritic) &amp; 0-10° C.A. pale asch-            green. Lower contact marked by ash-fall            contamination &amp; fibrous-arcular, radiating chlorite            (schistose laminated core)</p>								
164.6	197.6	<p>Tuffaceous, siltstone            (grey to green-grey, fine to medium-grained,            non-margined, massive to finely foliated.            A chloritic silt or biotite silt &amp; ash matrix            suggesting sub-rounded feldspar &amp; lesser quartz            shards. Finely fractured with epidote, quartz            or carbonate hematite mineralization as infill            throughout unit. clast-size averages 1mm. with            subordinate &amp; smaller bte. &amp; chl. fragments            Pelvic clasts exhibit various degrees &amp; types of            alteration being silicified, haematitic or quartzitized            or - 1/4" diss. Py</p>								

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Couronne  
 AX: EX: \_\_\_\_\_  
 AQ: \_\_\_\_\_  
 Feuille No 5 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_

Journal: \_\_\_\_\_  
 Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES							
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérf.				
		2' carbonate ± kaerolite veinings, up to 3cm in width. lower contact is abrupt foliated chlorite with few clasts.												
164.6	224.6	Foliated, talloseous siltstone. Green - amber line - medium grained foliated non-margined. rich to trace carbonate. 164.6 - 166.75 chlorite shunged laminated or foliated. Green, probably carbonated relatively soft. 166.75 - Green to grey green A chlorite - silt ash matrix suspension abundant diatoms well-sorted feldspar & subordinate etc clasts locally chert - suspended clasts to polymictic & detritus a C.A.L. of 45°. Clasts are feldspar, etc - chl. (thick) & minor etc. Many clasts of tallosalthe nature are stretched with x:y ratios & circular than 5:1 or beneath 1cm & width 1mm thick, most clasts are sub-rounded av. diam. less than 1mm. Matrix & to a lesser extent clasts are pervasively epidotized. Rounded feldspar shards are less common.												

No SC 87-5

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Couronne  
 AX: EX:  
 AQ:  
 Feuille No 6 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
 Journal: \_\_\_\_\_  
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérf.	
		<p>thin in unit above &amp; are small, silicified or                      thin 1 mm                      locally unit is very finely laminated                      with alteration ch. &amp; g. (sub-styrous)                      laminae of Perm or less width.                      clast size diminishes gradually over last 5 ft.                      with a distinctly chloritic moderately tabulated                      matrix. Contact is gradational marked by                      increasing amount of veined haematite.</p>									
224.6-	227.0	<p>CAF 45° to 55° dip. Py                      Haematitic chloritic, buffaceous siltstone.                      Green grey-green or reddish-green fine-                      grained, tabulated non-magnetic.                      chloritic-ash matrix supports abundant                      distal debris (pyroclastic or turbiditic) with                      sub-rounded to flattened white bl. ch.                      feldspar &amp; subordinate of shards. Flattened                      clasts are feldspathic haematitic or weakly                      epidotic.                      Matrix is increasingly haematitic with                      haematite &amp; Fe-carbonate veins of 0.5-2cm                      in width &amp; commonly at 45°-55° to CA or                      below 237 ft randomly oriented as fracture-                      infilled from localized shrecciation. Haematite is</p>									

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No SC 87-5  
 Feuille No 7 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
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			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.	
		<p>               sand often rims carbonate in a section view with                heavy                little clasts up to 1 cm in size. Less than 2%                by volume for size 1 mm.                This foliate, near-spherical laminae occur randomly                throughout unit with c.A. 45° being green-grey                to bed-planes, sub-irregular, but not clearly                lower contact is gradational marked by                rapid drop in hematization                Overall to disc. Py             </p>									
2470	3373	<p>               Tuffaceous chlorite siltstone                (or part of chlorite turbidite 2nd fall)                Green to green grey fine-grained siltstone                with abundant fine fibrous &amp; elongated                silt. tuffaceous clasts up to 1.5 mm in diam. exhibiting                a flat to ch. elongate to sub-rounded habit &amp;                'delirious' c.A.F. of 45°                Non-magnetic with carbonate &amp; hematized                only over 2-4 cm. widths (2% by volume)                Unit is weakly oxidized, as fine                pervasive or steeper. Like hematization, or                sub-parallel laminae or veins parallel to foliation.                Unit exhibits no major shearing or shearing             </p>									



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No SC 87-5  
 Feuille No 8 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
 Journal: \_\_\_\_\_  
 Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.
		<p>clasts are essentially brownish talciferous            &amp; white, (chrt-stained)</p> <p>305.6 - 310.25 Tuffaceous siltstone zone            with, bedded or haematite rounded tabular            shards to 2mm diam. supported in a silty            siltstone matrix which itself is highly porous            crystalline (chainwidth interstitial vesicles)            Weakly haematite throughout sub-unit.</p> <p>Contacts defined by rapid / sudden increase of            abundant az. &amp; talciferous shards. local            shards are chrt-surgated slightly oval to            flattened, elongate.</p> <p>Overall. Dist contains interbeds of            fine-medium grained ash fall clasts &amp; fine to            medium grained near clast-supported (flattened)            tuffaceous turbidite. latter units are            sub-micritic mudstone with tip-up            lenses of mud ash silt or silt ss.            preserved as thin laminae or essences to            ragged, elongate lithoclasts. extreme flattening            of abundant clasts is characteristic of local            high strain regime. (X:Y ratios up to 10:1)</p>								

No Sc 87-5

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Couronne  
AX: EX:  
AQ:

Feuille No 9 de 10  
De \_\_\_\_\_ à \_\_\_\_\_  
Profondeur totale: \_\_\_\_\_

Journal: \_\_\_\_\_  
Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.
3372	3050	<p>Tullaceous chloritic turbidite          - 2' similar to units directly above but          a lower degree of fine siltstone lower clastic          content &amp; locally with micaceous &amp; granular          or pervasive alteration or micaceous siltstone          in strongly laminated beds.</p> <p>Non-oxidative area over-ironed. Yellowish          ore - green fine - medium grained foliated to          laminated or massive. Contains several          lithoclasts: 1) A fine-medium grained calcareous          turbidite, with abundant flattened lithic clasts          including (aldergate) - dacite, siltstone, mudstone,          talcose etc. shales &amp; sub-rounded aldergate &amp;          sh. shreds br. clast diameter 1mm max. 15mm.          1cm width 1mm. All lithic clasts are flattened          (X:Y greater than 5:1). Other clast associated          sub-unit also contains ash - fall beds and siltstone          with graded bedding (Finnish in both directions          with margins being up-hole)</p> <p>2) Haematitic zones which are epidote - haematite          interbedded or haematite - epidote - silt. or chlorenite          + silica laminated. Often siliceous &amp; vesicular          brecciated &amp; tuffaceous (aldergate - sh. shreds)</p> <p>3. Massive very fine grained chloritic turbidite.</p>								

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 Lot : \_\_\_\_\_ Azimut: \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 N.T.S. : \_\_\_\_\_ Niveau: \_\_\_\_\_ Entrepreneur : \_\_\_\_\_

No SC 97-5

Feuille No 10 de 19

De \_\_\_\_\_ à \_\_\_\_\_

Profondeur totale: \_\_\_\_\_

Journal: \_\_\_\_\_

Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES						
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.			
		Clast-size chertages 0.3 mm. Non-magnetic overall in dir Py											
395.0-412.3		Tuffaceous, Haematitic Siltstone / Turbidite Grey, pink or green-grey, fine to medium grained, poorly foliated, non-magnetic Matrix is chloritic-ash-rich with subordinate biotite, weathers but penetrates & uniformly haematitic, weathers epidotized (usually) along fractures or as interstitial crystallization. Matrix supports abundant tiny lilac chl.-ble & sub-rounded to rounded albite, saussurite or epidotic plagioclase shands Average clast size 0.5 mm.											
409.8 -	417.3	Foliated chloritic silt - Mudstone. Relatively soft, green non-magnetic bluish or broken core, inflexible, with abrupt contacts											
412.3-464.6		Pyroclastic in Siltstone Variable lithologies. Mostly a feldspar-porphritic ash-tuffite pyroclastic fall within chloritic ± haematitic siltstone.											
		412.3-429.2 Initially haematitic, foliated with a haematitic ash-silt matrix, abundant epidote ± carbonate stringers & chert - supported											

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No 5087-5  
 Feuille No 11 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES													
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.										
		sub-rounded to sub-idioblastic tabular, up to 4 mm long (av. 2mm) silicified plagioclase & subordinate rounded qtz shards. Fines epidote 'fractured' throughout with 1/2-1" diss. sulphides.																		
		0 1' carbonate stringers.																		
		429.2 - 434.1 Foliated to massive chl-Bte distal turbidite. Dark green - green fine-crained non-magnetic, extends locally to moderately carbonatized, with latter as concretite irregular stringers. Minor stromatolite/denudation in sub-unit. 2' feldspar shards. Plastic clast size reaches 5mm in length, av. less than 1mm. 2' qtz-carbonate veins. Tr. Py																		
		434.1 - 442.3 Haematitic Ash-tuffite porphyritic brick red-green. A stromatolite haematitic matrix (partially silicified), suspension abundant 'sub-rounded to sub-idioblastic, silicified haematite or epidote feldspar up to 6mm in diam. with subordinate qtz eyes.																		
		1' epidote stringers, 1' haematite + carbonate stringers with random orientation																		
		Minor bte. lithic clast - component. Overall bimictic, well-sorted. 1' diss. sulphides																		

No SC 87-5

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Feuille No 12 de 10

De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_

Journal: \_\_\_\_\_  
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DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	
		<p>462.3- 460.25. Dactile = Rhodochrosite Ash-lapille                      Peridotitic. Abundant but matrix-supported                      hypidiomorphic, moderately sorted (bimictic),                      silicified feldspars up to 8 mm &amp; rounded                      to sub-qtz eyes. weakly haematitic &amp; epidotized                      along fracture planes. Feldspars contain siliceous                      cores (similar to vesicles), imp. or are saucerized                      Matrix is fine-grained, siliceous-tuffaceous.                      Epidotic stringers commonly contain pyrite                      concentrations. Entire sub-unit is weakly to                      moderately silicified. 455.5- 460.25 Grey,                      near rhodochrositic, with a larger qtz shard-eye                      dash component. Many however a near dentritic.                      though sub-section is weakly welded, with                      not uncommonly oval, flattened or slightly                      oriented fibric shards.                      Matrix is albite or, less commonly silicified,                      slightly epidotic, with a minor chlorite component.                      Foliated to laminated, moderately sorted, near                      monomictic. 1' dips or aggregated py.</p>									
		<p>460.25- 464.25. Haematitic, silicified poorly welded                      peridotitic. Foliated to finely laminated                      a haematitic, epidotic, silicified matrix supporting                      abundant silicified &amp;/or haematite feldspar shards</p>									

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No CC 87-5  
 Feuille No 13 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
 Journal: \_\_\_\_\_  
 Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	
		up to 8 mm in length. Weldina contained to upper 30cm which also contains thin fine cr. siltstone interbeds of ore fine-crained, finely laminated or foliated siltstone. 1' dev. P. Abrupt contacts.									
460.25	535.75	Tuffaceous, chloritic siltstone 460.25 - 469.1. Turbidite, finely foliated to massive chloritic, fine-grained, becoming haematitic at depth. Minor epidote along fractures Matrix supports fine feldspar shards, av. 0.3mm diam. Tr. Py 469.1 - 470.0. Altered siltstone? Ore, slightly haematitic, recrystallized, with abundant, decussate tabular-bladed small biotite crystals, up to 2mm in length within a silt-ash matrix containing small feldspar shards Abrupt contacts Tr. P. Massive, hypidiomorphic 470.0 - 486.25 Chloritic Turbidite. Green-green fine to medium grained, foliated or massive, non-magnetic. Abundant, polymictic moderately sorted, oval, elongate or rarely, rounded (& larger) clasts of feldspar. Pl. - chl. Quartz & siltstone. Majorite as elongate flattened, locally clast-supported generally diminish in size at depth. I define a C.A.P. of 40-45°									

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 87-5  
 Feuille No. 12 de 10  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
 Journal: \_\_\_\_\_  
 Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérit.
		<p>Musc. feldspars are haematized. Matrix is pervasively locally siliceous or epidotic-laminated with weak haematization. Rounded large clasts are dacitic or rhyolitic in composition &amp; up to 2 cm in length. At depth the above flow shows characteristic features changes to laminated, moderately sorted, with a higher strain regime, &amp; gradual diminution of clast size.</p> <p>1% diss. or aggregate Py. commonly associated with epidotic mineralization.</p> <p>486.25 - 535.75. Tuffaceous chloritic siltstone. Probably, partially turbidite.</p> <p>Grey to green or red-grey, fine-grained, foliated to massive. C.A.T. 40-45°. A chloritic matrix supports increasingly abundant &amp; larger epidotic or albicized feldspars up to 1.5 mm in diameter. Increasingly massive at depth. Little or no flattening. Sub-unit characterized by irregular, cross-cutting laminae or bands of grey, fine-grained silica replacement / recrystallization, with minor, associated, epidote or carbonate infill along fracture planes. Core is occasionally blocky, with oxidized S-planes, articulated from</p>								
		522H								
		Tr - 1/2% Py								

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 15 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
 Journal: \_\_\_\_\_  
 Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.
		Talcum, quartz, mica, calcite, chlorite 2-3 mm. ... ... fracture glaucous ... epidote								
535.75	542.5	Feldspar Perthite Calcite Perovskite calc - green fine - medium grained perthite - feldspar to weather indistinct. Matrix is chloritic talcaceous with interstitial epidote green fine - grained ... essentially bimodal (feldspar & lesser quartz) perthite ... in chloritic - talcaceous to calc - rounded ... feldspar are ... fragments are ... calc - mica (illite) ... ... interstitially ... with epidote staining								
562.5	567.0	Calcite - Perovskite Perthite dominant ... vitreous ... diam. with ... above ...								



No SC 87-5  
 Feuille No 16 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_

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

Journal: \_\_\_\_\_  
 Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES								
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.					
		... welding ...													
5570	609.0	... Similar to 535.75-562.5 but shorter. ... 576.5-590. This irregular bed ... 590.0-609.4 Foliated or locally massive ... locally ... ... width.													

No SC 87-5

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 : \_\_\_\_\_

Couronne  
 AX: EX:  
 AQ:  
 Feuille No 17 de 19  
 De \_\_\_\_\_ à \_\_\_\_\_  
 Profondeur totale: \_\_\_\_\_  
 Journal: \_\_\_\_\_  
 Date: \_\_\_\_\_

DE	A	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	
		<p>Av. dark and in low thin lens. Matrix is dark            supported. Silicification is in irregular thin beds            siliceous "mesh" and silicification are associated with            with silicification and silicification along line of silicification            localized carbonate thin silicification.</p> <p>Gradational contacts            into low fine gr.</p>									
609.0	797.0	<p>Dacitic Feldspar porphyroblastic pyroclastic            abundant feldspar with idiomorphic            shards up to 2mm. up to 5mm with subordinate            in shards, locally self-supported, smaller            matrix-supported. Feldspars are occasionally            haematitic. 2-3% interstitial epidote. Trace            amounts of carbonate. Contains 2% silt            silt or dacite clasts up to 3cm in length or 1mm            massive, porous with bitubular fine-grained            silt, tuffaceous &amp; chloritic, within thin 15-30cm            wide interbeds -            siliceous and oxidized below 651 ft.            2% fine gr. Py</p> <p>Below 680 ft. feldspar are massive            albite or kaolinitic. Matrix is green to reddish            brown-grey silt, rather than chloritic-silty.</p>									





32D04SE0166 44 HEARST

900

Name and Address of Recorded Holder  
**Robert A. MacGregor**  
**P.O. Box 1110, Sault Ste. Marie, Ontario P6A 6N7**

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <b>797</b>	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	<b>L</b>	<b>561777</b>	<b>60</b>	<b>L</b>	<b>800059</b> ✓	<b>60</b>			
		<b>561778</b>	<b>60</b>		<b>800060</b> ✓	<b>60</b>			
		<b>561779</b>	<b>60</b>		<b>800061</b> ✓	<b>60</b>			
		<b>561780</b>	<b>60</b>		<b>800062</b> ✓	<b>60</b>			
		<b>800055</b> ✓	<b>60</b>		<b>821915</b>	<b>60</b>			
		<b>800056</b> ✓	<b>60</b>		<b>894251</b>	<b>17</b>			
		<b>800057</b> ✓	<b>60</b>						
		<b>800058</b> ✓	<b>60</b>						

All the work was performed on Mining Claim(s): **L523349**

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

**Barron Diamond Drilling**  
**227 Georgina St.**  
**Haileybury, Ontario**

**Hole SC 87-5**

**B.Q. Core**

**Started May 5, 1987**  
**Finished May 11, 1987**

**RECORDED**  
**MAY 25 1987**  
Receipt # \_\_\_\_\_

**RECEIVED**  
LARDER LAKE MINING DIVISION  
MAY 25 1987  
10:55am  
*[Signature]*

**ONTARIO GEOLOGICAL SURVEY**  
**ASSESSMENT FILES**  
**RESEARCH OFFICE**  
**JUL 10 1987**  
**RECEIVED**

Date of Report: **May 15, 1987**  
Recorded Holder or Agent (Signature): *[Signature]*

Certification Verifying Report of Work

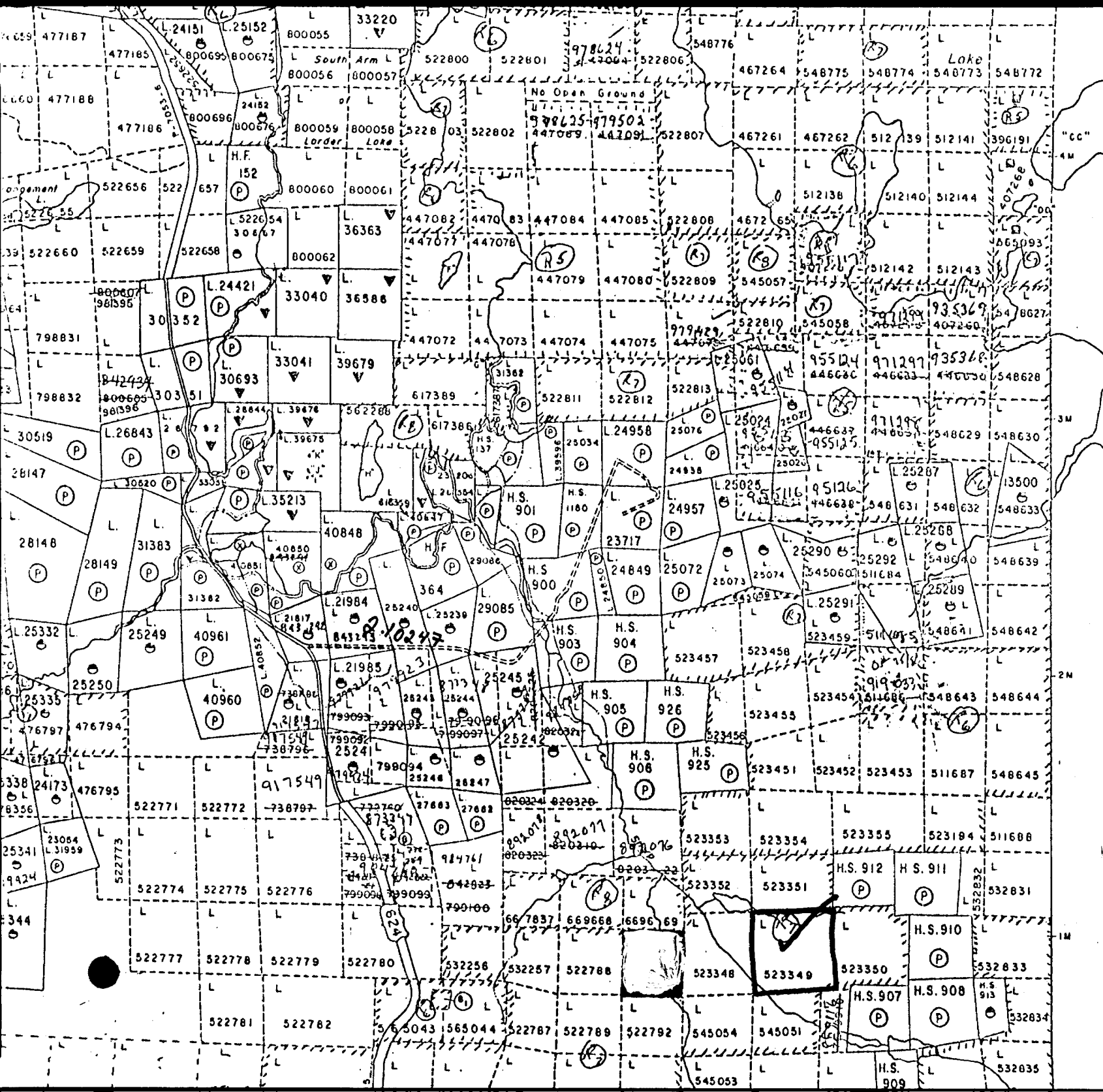
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying  
**Robert A. MacGregor, P.O. Box 1110, Sault Ste. Marie, Ontario P6A 5N7**

Date Certified: **May 15, 1987**  
Certified by (Signature): *[Signature]*

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.			
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.	Work Sketch (as above) in duplicate
Diamond or other core drilling	Signed core log showing; footage, diameter of core, number and angles of holes.		
Land Survey	Name and address of Ontario land surveyor.	Nil	Nil



PATENTED LAND  
 CROWN LAND SALE  
 LEASES  
 LOCATED LAND  
 LICENSE OF OCCUPATION  
 MINING RIGHTS ONLY  
 SURFACE RIGHTS ON  
 ROADS  
 IMPROVED ROADS  
 KING'S HIGHWAYS  
 RAILWAYS  
 POWER LINES  
 MARSH OR MUSKEG  
 MINES  
 CANCELLED

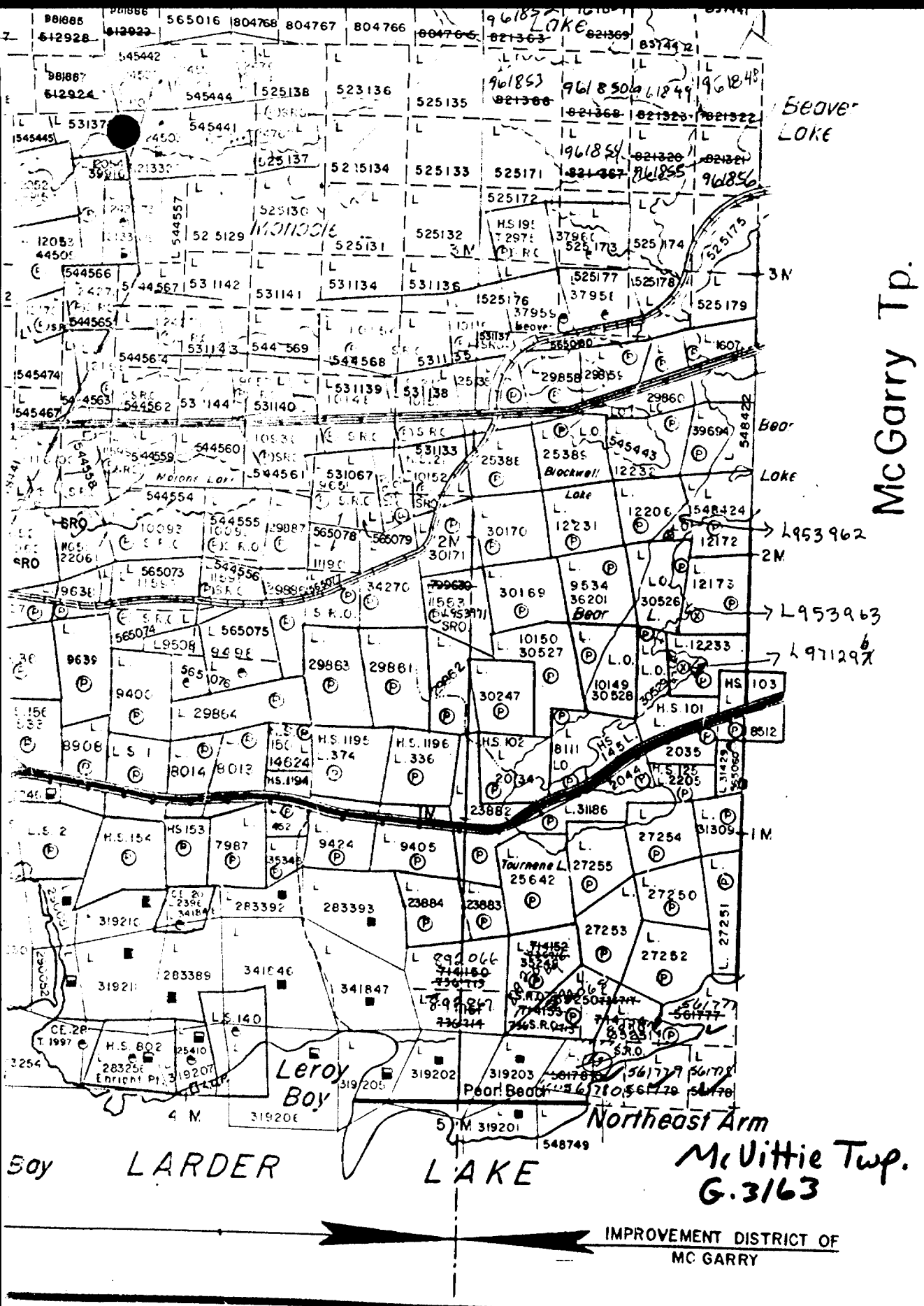
400' Surface Rights re  
 rivers.

Township of HEARST  
 THE CORPORATION OF  
 LAKE created on 31st  
 Municipal Board Order  
 FILE #129282.

Hearst  
 Twp.

NY -

MA



MIN  
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SCALE: 1 IN  
 FEET  
 METRES

- (R1) SEC 36/80
- (R2) SEC 36/80
- (R3) SEC 36/80
- (R4) W-22/86

TOWNSHIP  
 McV  
 M.N.R. ADMIN  
 KIRKL  
 MINING DIV  
 LARDE  
 LAND TITLES  
 TIMIS



Date: SEPTEME

McGarry Tp.

IMPROVEMENT DISTRICT OF  
 MC GARRY

McVittie Twp.  
 G.3163

ing Act, Order  
face Rights  
185, 30/12/85

ing Act, Order  
face Rights  
5, 30/12/85

ing Act, Order  
face rights  
0/25/86

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face rights

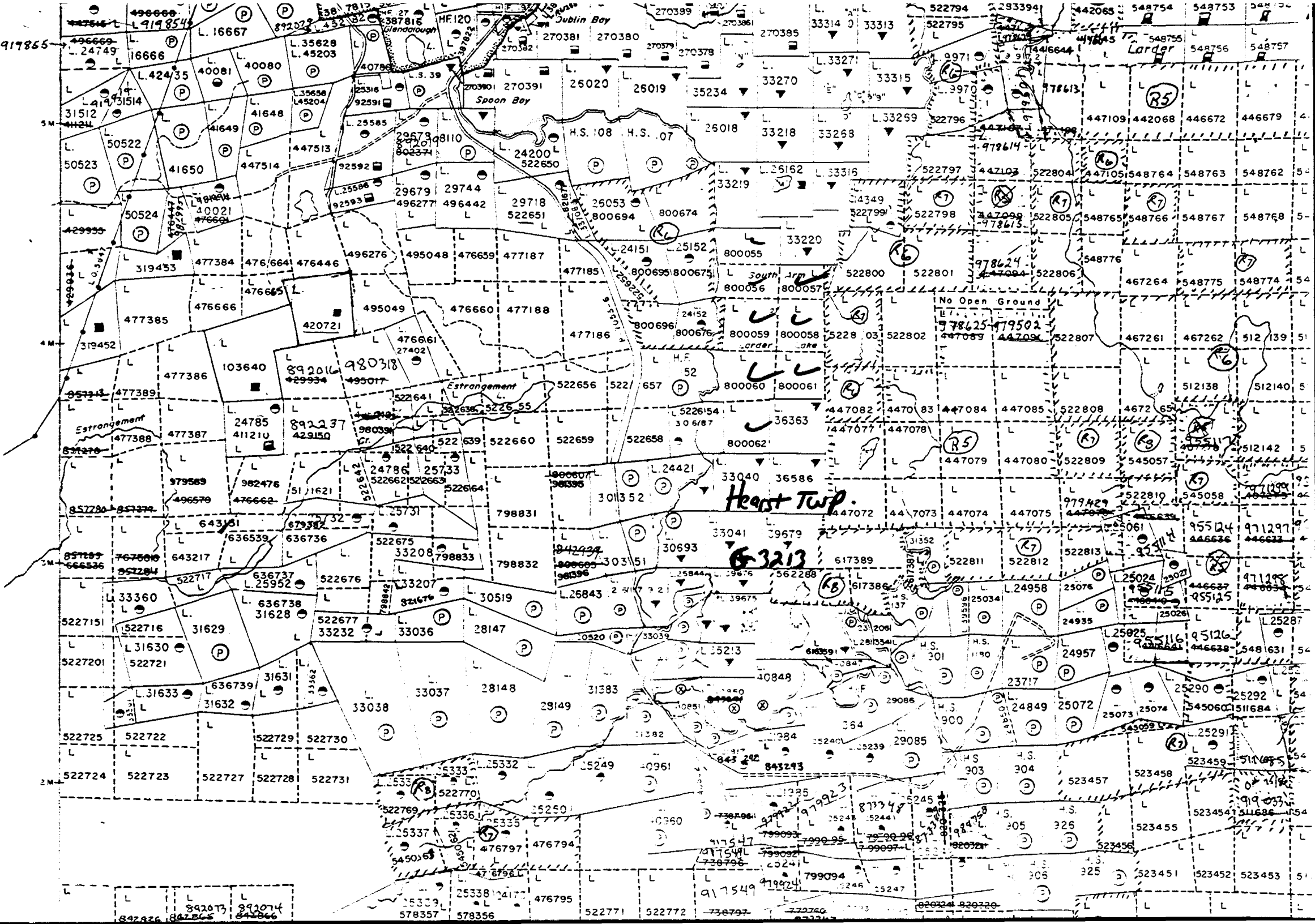
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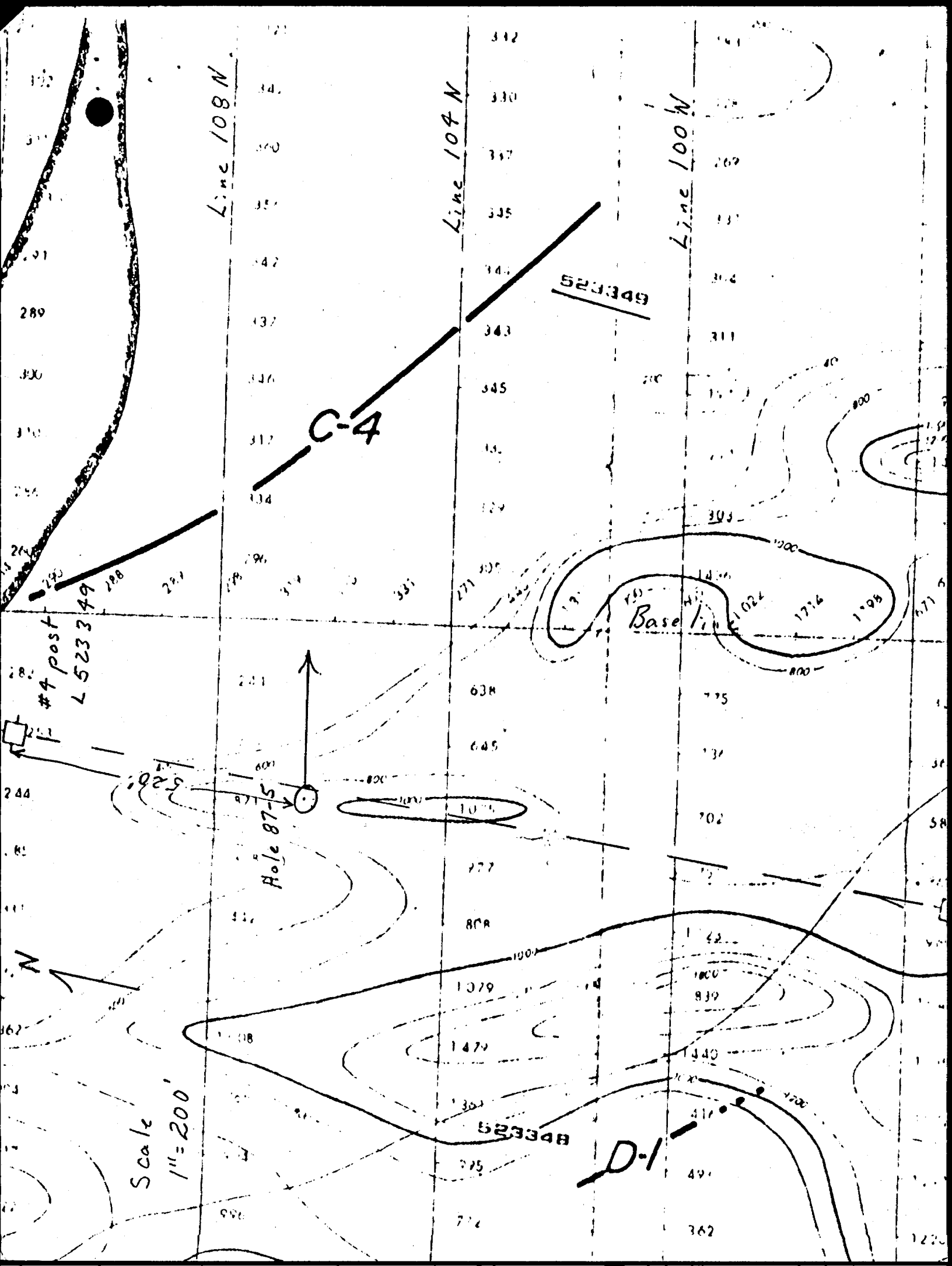
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- 075/86.

MCELROY TWP.









Line 108 N

Line 104 N

Line 100 W

C-4

523349

#4 post  
L 523349

Hole 87-S

Baseline

Scale  
1" = 200'

D-1

523348

N