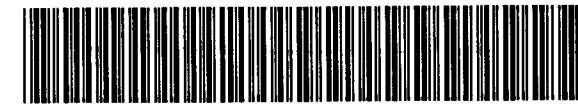


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Cone Storage 403 Dome St, South Porcupine

MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE UTM Zone 17 Eastings 451110 Northings 5386370	STARTED April 4, 1997 course diamond drilling BQ Core	DIP AND BEARING TEST								
HOLE NO. LDM97-6			FINISHED April 11, 1997	FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING
BEARING 210° A3.		ELEVATION 290.5m	LENGTH 349m	0	-52°	210°						
DIP COLLAR -52°		SECTION	LOGGED BY R. KEMP P. BOWEN	175m	-51°	~210°						
				349m	-47.5°	~210°						

FOOTAGE		DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			Cu (ppm)		Zn (ppm)		ASSAY
FROM	TO					FROM	TO	LENGTH	As (ppm)	As (ppm)			
0.0	28.6m	CASING											
		SAND - Gravel - Clay											
28.6	41.6	INTM - felsic RTX EYE LAP TUFF / Volcaniclastic Frag Inbds	TR to 61% CP		38538	30.4	32.0	1.6	33	46			
		Siliceous w Chloritic clots, swirls, FRACTURE infill, Qtz Eye	NOTED AT 30.8,		38539	32.0	33.5	1.5	24	56			
		TUFF-LAP TUFF - GRADATIONAL CONTACT. Qtz Eye TUFF	31.8, 33.3 Assoc										
		± lapilli AT 32.1-32.9, 33.3-36.0, 36.5-37.0, 37.9-38.9, w chlorite clots											
		37.9-41.6, Qtz Eyes 5mm. glassy, blotchy chlorite in											
		COARSER FRAG ZONES COARSER SECTIONS COULD IN PART BE FELT											
		XII TUFF											
41.6	48.5	HEMATITIC RICH INTM Felsic TUFF-CHORT.											
		HEMATITIC alteration starts at 41.6, by 43.1											
		unit becomes magnetic w hematite alteration											
		41.6-43.1 weak-well foliated, HEM ALT'D white											
		siliceous banded appearance providing crude											
		sense of bedding @ 42.3 = 50° CA; Non magnetic											
		43.1-45.9 v. magnetic clots locally = magnetite ~5%											
		Fine grained, chloritic clots and fractures											
		siliceous uc = 65° LC = 60°											
		45.9-48.5 v. fine grained, purplish-red, siliceous, non-											
		magnetic w small white siliceous & calcareous											
		clots, no foliation, massive.											



PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND BEARING TEST								
BORE NO. LDM 6-97	ELEVATION			FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING
BEARING 210°		SECTION	FINISHED									
DIP COLLAR -52°		LENGTH	LOGGED BY R. KEMP									
FROM	TO	DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			Q _u (Plm)	Z _w (Plm)	ASSN.	
46.5	50.5	Mafic DiKE GREEN - Fine to medium grained, random Q ₃ -CO ₃ filled fractures v.c. ~90° to CA L.C. ~45° to CA										
50.5	51.0	Intermediate - felsic Fragmental - volcaniclastic chloritic fracture fill outline siliceous pinkish hue lugs. @ 51.0 small 2cm mafic dike related to ABOVE.										
51.0	54.5	Intermediate Tuff ± lapilli tuff - Q ₃ eye bearing SA Tuff ± lapilli tuff horizon water from 28.6 - 41.6 med grained - more mafic - chloritic than coarse fragmental section. 51.0 - 51.6 SA 45.9 - 48.5 L.C. = 65° CA 51.6 - 54.5 Tuff ± lapilli tuff 52ms ~65° to CA 53.8m = ~85° to CA 54.4 = ~75° to CA	72 Pyon KINETIC									
54.5	61.4	Intermediate - felsic Fragmental - volcaniclastic, Q ₃ eyes to 1mm sil outline coarse fragmental section locally pinkish hue impure. Trace Anorthite and brecciated in chloritic fracture fill - clast supported.	55.8m = 45°-50° CA 61.0-61.3, 41% CPY ASSOC. w chlorite clots.									
61.4	62.2	Imm. mafic tuff ± lapilli tuff - Q ₃ eye bearing.										

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R. Kemp

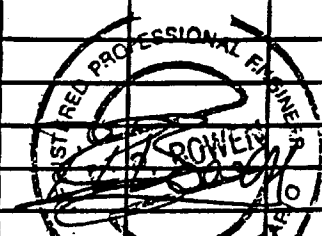
MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND HEARING TEST								
BOLE NO. LDM 6-97				FOOTAGE	DIP	HEARING	FOOTAGE	DIP	HEARING	FOOTAGE	DIP	HEARING
HEARING		ELEVATION	FINISHED									
DIP COLLAR		SECTION	LENGTH									
			LOGGED BY R. KEMP									

FROM	TO	DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			Cu (PPM)		Zn (PPM)	ASSAY
						FROM	TO	LENGTH	As (ppm)	As (opt)		
62.2	70.9	INTM - felsic Fragmental - Volcaniclastic, IN PART Feld XII TUFF chloritic Fracture and Fragment outline, local Pinkish hue imparted to core SA 54.5-61.4 All coarsest fragmental zones have marbled appearance	ca 21% @ 66.3 & 67.6 & 69.6		38543 38544 38545	65.2 66.2 67.7	66.2 67.7 68.7	1.0 1.5 1.0	5 36 3	116 104 94		
70.9	72.2	Intm - mafic tuff / lapilli tuff Qz eye SA 51.0-54.5 v.c @ ~ 70° lower contact obscure @ 71.4 = 20° to CA			38546 38547	68.7 70.2	70.2 70.9	1.5 0.7	5 2	102 52		
72.2	84.2	INTM - felsic Fragmental - Volcaniclastic Blue Qz eyes SA 62.2-70.9 IN Part Feld. XII TUFF FROM 75.2-84.2										
84.2	87.6	MAFIC DIKE v.c @ N55° to CA L.C. lost in Ground Core fine grained chill margins @ upper & lower contacts grading - to med to coarse grained at core of section										
87.6	95.0	INTM - Felsic fragmental - volcaniclastic coarse frag. chloritic alt'd locally as before, Pinkish hue imparted to vfg siliceous frag L.C. = 50-55° @ 95.0										
95.0	96.1	Intm - mafic tuff / lapilli and bestin small round to sub rounded @ eyes - sec. locally in matrix SA all Intm - mafic tuff / lapilli tuff sections L.C. @ 96.1 = 55° to CA - gradational over 0.1m										

R. Kemp

MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND BEARING TEST								
HOLE NO. LDM ⁶ -97				FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING
BEARING		ELEVATION	FINISHED									
DIP COLLAR				SECTION	LENGTH							
			LOGGED BY Z.KEMP.									

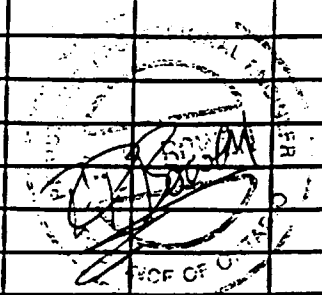
FOOTAGE		DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			Cu (PPM)		Zn (PPM)		ASS.
FROM	TO					FROM	TO	LENGTH	-in (top)	-in (bot)	-in (top)	-in (bot)	
96.1	101.6	INTM-Felsic Fragmental - Volcaniclastic SA 87.6-95.0 L.C. diffuse & gradational.											
101.6	102.6	INTM-mafic Tuff/Depilli Luff Small sub rounded to rounded Qtz eyes, sericitic alt. invading matrix locally.											
102.6	104.9	MAFIC DIKE E.g. Upper & lower contacts gradin to med grained coarse eye zone. Qtz CO ₂ injections invading zone from 104.0-104.9. Qtz CO ₂ healed lower contact (104.9) at 50° to CA. Upper contact at 50° to CA (102.6)											
						38548	104.9	106.9	2.0	21	70		
						38549	106.9	108.9	2.0	20	82		
104.9	129.70	INTM-Felsic Fragmental - Volcaniclastic dk chloritic clots & swirls frags partially resorbed Fe alteration intense & 17cm decreases thereafter ± leucoxene Unit appears to have undergone recrystallization and some structural deformations - locally sericitic Polarization 110m 55° CK 120m 245° CA joints 55° CA 1.5cm gv with tourmaline XTRs. 119.5-119.75 hsh layer with Qtz eyes Polarization 130m	CPY blebs / spectra Noted AT 105.5, 106.0, 106.3, 107.4, 108.1, 108.8, 109.3, 110.0, 112.5, 113.9, 114.3, 115.8 116.2 Assoc. w chloritic Alt.			38550	108.9	110.9	2.0	13	70		
						38551	110.9	112.9	2.0	13	78		
						38552	112.9	114.9	2.0	21	64		
						38553	114.9	116.9	2.0	30	86		
						38554	116.9	117.9	1.0	1	68		



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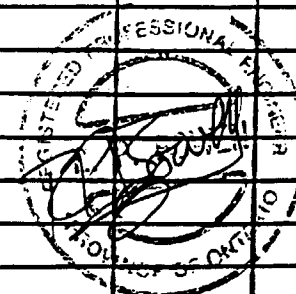
MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND BEARING TEST							
HOLE NO. LDM 6-97	BEARING			ELEVATION	FINISHED	LENGTH	LOGGED BY RPB	FOOTAGE	DIP	BEARING	FOOTAGE
DIP COLLAR		SECTION	FOOTAGE					DIP	BEARING	FOOTAGE	DIP

FOOTAGE		DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			Cu (ppm)		Zn (ppm)		ASSAY
FROM	TO					FROM	TO	LENGTH	As (ppm)	As (ppm)			
129.70	134.31	Series of ash bed s., felsic in nature											
		129.70-131.34 Mod gr yellowish cast ± lapilli 40-45°C	1-3% sp. @ 130.5	130.7	38555	129.0	130.0	1.0	5	86			
		131.34-132.72 hoc. at contact 45°C - vfg v. 2.5 x 0.5 mm ± cl	no sul.		38556	130.0	131.0	1.0	4	378			
		132.72-134.31 ^{lower} 55°C CA & frags at contact ± lapilli: Mod-d. gr			38557	131.0	132.7	1.7	8	308			
		4 cm alt zone lt gr black chl. flecks < 1mm 25°C											
		130.25 fleck of sp		SP 1-3%									
		130.7 4-5 cm		SP 3-5%									
		132.6 x 10 cm		SP 5-7%									
		132.72-134.31 could be a "felsic dike" - no sp noted while sp is noted above & below this unit.		Trcpy									
134.31	178.20	Felsic pyroclastic bx - lapilli:											
		135.3 sp noted		SP 3-5%									
		Flecks & patches of sp. continue to rarely exceed 5% usually Tr - 1-3%, locally 7-12%			38558	134.3	135.8	1.5	47	478			
		Mod-lt gr. fragmental some frags > 10cm most 1-2cm			38559	135.8	137.3	1.5	17	510			
		local narrow bx zones			38560	137.3	138.8	1.5	7	564			
		Matrix largely chloritized ± leucocrone			38561	142.5	144.0	1.5	6	296			
		Foliation 140m 35°C											
		150m 40°C joint 80°C											
		139.0-139.16 narrow siliceous like gr upper contact											
		SP & py conc. near contacts											
		upper contact 40°C											
		lower contact 45°C											



MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND BEARING TEST							
HOLE NO. LDM 6-97				FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING	FOOTAGE	DIP
BEARING		ELEVATION	FINISHED								
DIP COLLAR			SECTION	LENGTH							
			LOGGED BY	ZTB							

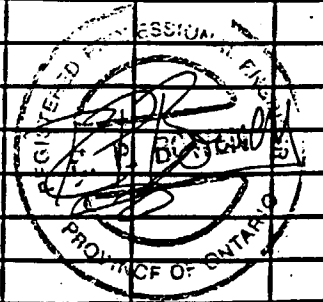
FOOTAGE		DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			Cu (ppm)	Zn (ppm)	ASS
FROM	TO					FROM	TO	LENGTH			
		139.72-139.83 small Olivine dike									
		General increase in sp content - 3-5% in py minerals id. c. Tr 1-3% - often concentrated along fractures	3-5% sp Tr - 1-3 py		38562	3146.0	147.5	1.5	11	766	
		Large siliceous fragments 10cm + matrix less dense Foliation on 160m: 45° CA joints 40° & 55° CA			38563	149.5	151.0	1.5	35	1050	
		Sulfides also concentrated near rims of larger fragments, carbonate common along fracture planes Foliation 170m 45° CA			38564	152.5	153.5	1.0	19	1685	
		Below 175 fragments become quite well defined			38565	165.5	167.0	1.5	20	588	
					38566	167.0	168.0	1.0	41	1260	
					38567	173.0	174.5	1.5	23	690	
					38568	174.5	176.0	1.5	41	1975	
178.20	180.00	Mafic Dike - Aphanitic med gn-gr Upper contact 40° CA chilled Lower contact 40° CA Fine qtz-carb veinlets with py - alteration along fractures.									
180.00	183.05	Felsic pyroclastic & ash ± lapilli qtz carb veins.									
183.05	183.25	Mafic Dike Carbonate vein 1cm Fe alt. Upper Contact +70° CA Sharp. Lower Contact & 90° CA ragged - wispy									
183.25	183.58	Felsic pyroclastic Fe alteration - silicification									



MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND BEARING TEST									
HOLE NO. LDM 6-97		ELEVATION	FINISHED	FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING	
BEARING				LENGTH	LOCKED BY RPB								
DIP COLLAR						SECTION							

FOOTAGE		DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			Cu (ppm)		Zn (ppm)		ASSAY
FROM	TO					FROM	TO	LENGTH	As (ppm)	As (opt)	As (ppm)	As (opt)	
183.58	186.72	Mafic Dike or dike complex Upper contact $\times 90^\circ$ CA rapped Qtz & qtz-carb veins - Fe alteration of dike rock & vein material. Series 183.8-185.4 185.7-185.8 185.9-186.26 185.4-185.7 185.8-185.9 186.26-186.72											
186.72	230.87	Felsic - intermediate ash becomes fragmental- ash-lapilli; 10cm Fe qtz-carb zone 190.3m Fragments more siliceous than matrix + chr. 190 Fe staining + sp of 10cm Unit becomes more siliceous below 190m. Foliation 190m 50° CA Sensite alt along fractures Foliation 200m 60° CA Alteration appears to be more structurally controlled than lithologic. 203.0 - 206.8 sericitic 208.7 - 211.4 Fe-sericitic 216.1 - 217.5 sensitic < Fe 226.2 - 228.9 Fe-sil Foliation 210m 50° CA 220m 45° CA 230m 40° CA 225.15 - 227.2 sp zone, SPECK CPY	sp Tr over internal locally > 3-5% sp. Py Tr 1%										
					38569	189.5	190.5	1.0	<1		168		
					38570	225.0	226.0	1.0	45		1470		
					38571	226.0	227.5	1.5	88		704		

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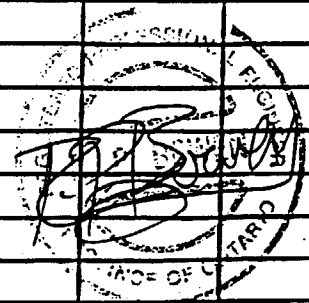


MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND BEARING TEST								
HOLE NO. LDMG-97				FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING	FOOTAGE	DIP	BEARING
BEARING		ELEVATION	FINISHED									
DIP COLLAR			SECTION	LENGTH								
			LOGGED BY <i>PPB</i>									

FOOTAGE		DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			Cu (ppm)	Zn (ppm)	ASSAY
FROM	TO					FROM	TO	LENGTH			
230.87	234.31	Mafic Di. L Chill & 10 cm aphanitic - becomes f.g. Upper contact 60° CA Lower contact 55° CA									
234.31	253.14	Felsic pyroclastic - lapilli & tuffaceous in part. Foliation at 20 cm below contact Mod dk gr - more orange with Fe more yellow with ser. & wispy chl. generally matrix supported ↓ 236.0 SP becomes visible - generally to foliation. - 3-5% SP S.l:ified sections: - some exhibit Fe att. are more translucent than others. e.g. 236.5-246.8 253.14- waterlain ash zone Tops up hole Foliation 240m 50° CA 250m 45° CA 260m 50° CA									
253.14	277.75	Dominant felsic ash - waterlain silicified & Fe att. subides nearly non-existent, moderately to locally strongly magnetic local lapilli zones < 1m some structural deformation Upper contact 45° CA Lower contact 55° CA Foliation 270m 40-45° CA									

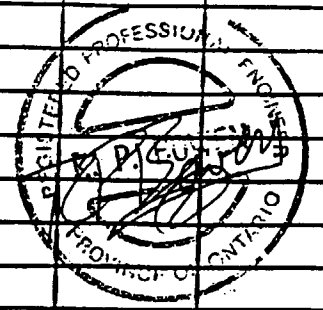
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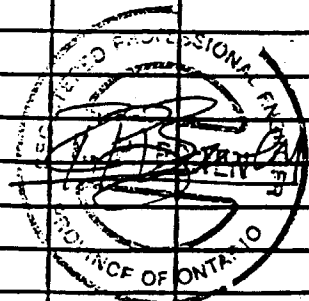
MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND HEARING TEST								
HOLE NO. LDM 6-97			FINISHED	FOOTAGE	DIP	HEARING	FOOTAGE	DIP	HEARING	FOOTAGE	DIP	HEARING
HEARING		ELEVATION	LENGTH									
DIP COLLAR		SECTION	LOGGED BY	KTB								

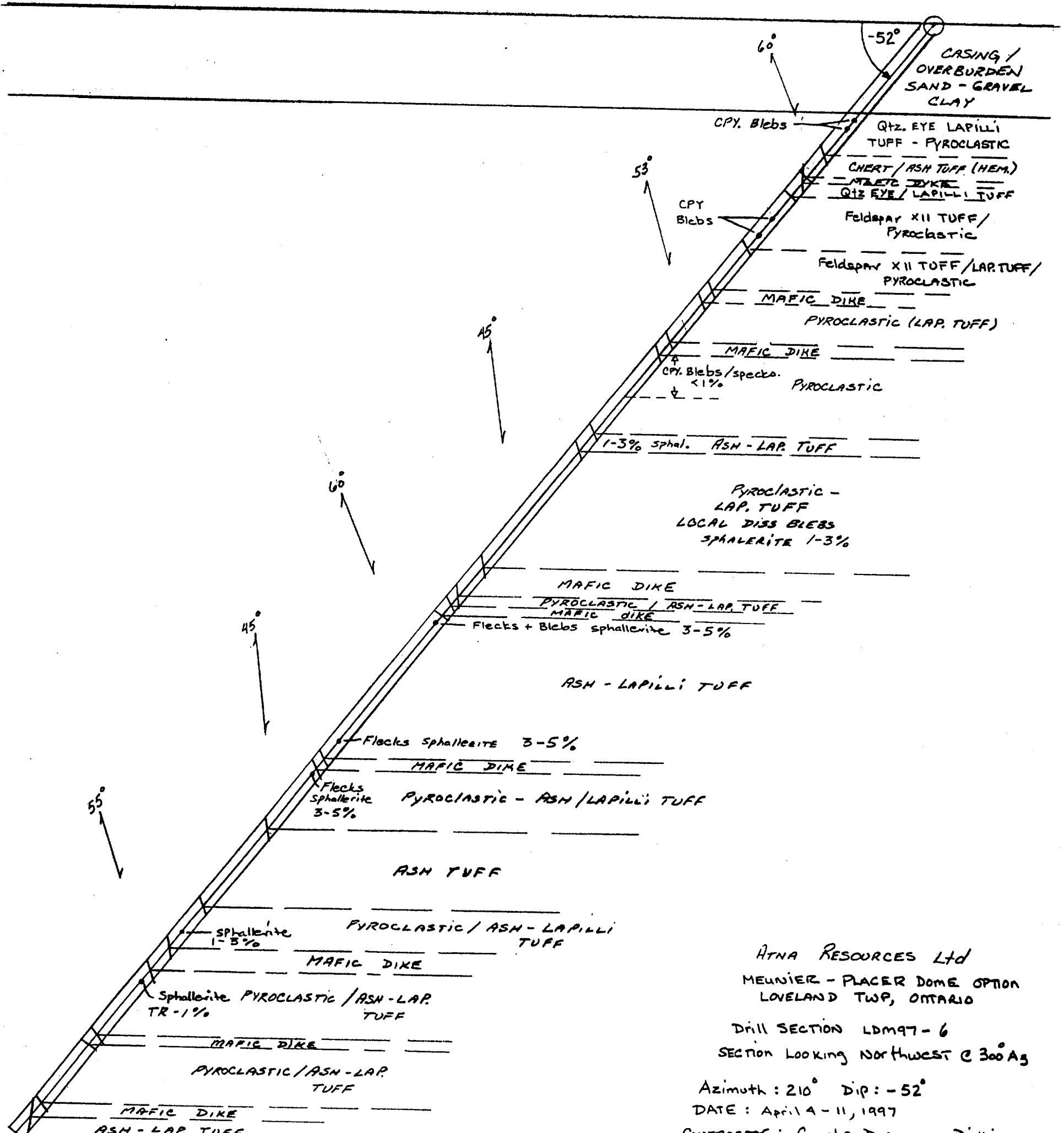
FOOTAGE		DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			ASSAYS	
FROM	TO					FROM	TO	LENGTH	As (ppm)	As (opt)
317.68	321.00	Mafic - Intermediate dike - gn gr turning gr. Upper contact 75° CA Lower contact <90° CA. not distinct. Several portions of felsic ash caught up in the lower 0.6 m.								
321.00	339.31	Felsic silicified ash with local pyroclastic & lapill. zones esp 330m 331m to 335m Fe chl. att. common. ser. att. less								
339.31	343.06	Mafic dike Upper contact 70° CA Lower contact 30° CA Contacts chilled x 40 cm Medium grained centu.	3-5% Py							
343.06	345.10	Felsic silicified ash flow. & lapill. Fe alteration + chl. reddish alteration moderate - strongly magnetic Bx appears due to structural events. wispy chl. Black injection along fracture 348m basalt.								



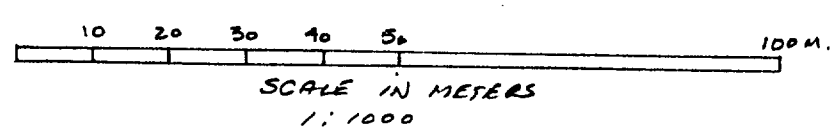
MEUNIER PROPERTY PLACER DOME OPTION LOVELAND TOWNSHIP		GRID COORDINATE	STARTED	DIP AND HEARING TEST								
BOLE NO. LDM 6-97				FOOTAGE	DIP	HEARING	FOOTAGE	DIP	HEARING	FOOTAGE	DIP	HEARING
HEARING		ELEVATION	FINISHED									
DIP COLLAR		SECTION	LENGTH									
			LOGGED BY <i>ZFB</i>									

FOOTAGE		DESCRIPTION	MINERALIZ.	CORE	SAMPLE NO.	FOOTAGE			ASSAYS	
FROM	TO					FROM	TO	LENGTH	As (ppm)	As (opt)
345.10	345.14	Basalt seam very dk gn bl. Upper contact 40° CA Lower contact 40° CA								
345.14	348.98	Felsic siltified and flow t lapilli. Black injection at 348m is basalt. Reddish alteration med. - strongly magnetic SA. 343.06 - 345.10								
348.98	349.00	Basalt chill - could be a seam as above								
		TD 349m								





E.O.H. 349m.
LDM97-6



ATNA RESOURCES Ltd
 MEUNIER - PLACER DOME OPTION
 LOVELAND TWP, ONTARIO
 Drill SECTION LDM97-6
 SECTION Looking Northwest @ 300° Az
 Azimuth : 210° Dip : -52°
 DATE : April 4 - 11, 1997
 CONTRACTOR : Courte Diamond Drilling
 CORE Size : BQ
 CLAIM : P1189405
 COLLAR COORD. UTM.
 451110 E, 5386370 N.



42A12NE2001 2.18118 LOVELAND

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ty of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the to review the assessment work and correspond with the mining land holder. ng Recorder, Ministry of Northern Development and Mines, 6th Floor.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

2.18118

1. Recorded holder(s) (Attach a list if necessary)

Form with fields for Name, Address, Client Number, Telephone Number, and Fax Number. Includes entries for PLACER DOME CANADA LIMITED and David Meunier.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs)
Physical: drilling, stripping, trenching and associated assays
Rehabilitation

Form with fields for Work Type (Diamond Drilling), Dates Work Performed (04/04/97 to 11/04/97), Township/Area (LOVELAND TWP), and Mining Division (PORCUPINE).

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Form with fields for Name, Address, Telephone Number, and Fax Number. Includes entries for Rick Kemp and a RECEIVED stamp from the Porcupine Mining Division dated Jan 28 1998.

4. Certification by Recorded Holder or Agent

I, David Meunier, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Form with fields for Signature of Recorded Holder or Agent, Agent's Address, Telephone Number, and Fax Number. Includes a RECEIVED stamp from the Geoscience Assessment Office dated Jan 27 1998.

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825
eg 1234567	12	0	\$24,000	0	0
eg 1234568	2	\$8,892	\$4,000	0	\$4,892
1 189405	16	2794.46		2416 2416.00	25088.4
2 1189410	9	0	2416	0	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals					

[Signature], do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing: [Signature] Date: 2-23-98

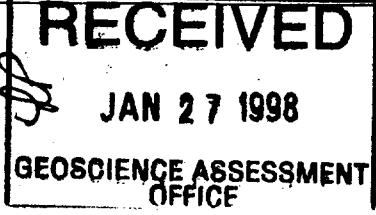
6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp: 	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

Personal information collected on this form is obtained under the authority of subsection 8(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 8B5.

2.18113

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Diamond Drilling	349m	68.22/m	23808.78
Paul Bowman Consum	7 days	330/day	2310
Rick Kemp Project Manager	4	320/day	1280
Associated Costs (e.g. supplies, mobilization and demobilization).			
Supplies			120
RECEIVED JAN 27 1998 GEOSCIENCE ASSESSMENT OFFICE			
Transportation Costs			
Food and Lodging Costs			
Food & Lodging		28.92/day	2115.00
Total Value of Assessment Work			27514.46

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK \times 0.50 = Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, David Maurice (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Agent (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

RECEIVED
JAN 28 1998
4:25 PM
PORCUPINE MINING DIVISION

Signature: [Signature] Date: Jan 23/98

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines



May 15, 1998

PLACER DOME (CLA) LIMITED
130 ADELAIDE STREET WEST
P.O. BOX 43, SUITE 3201
TORONTO, ON
M5H-3P5

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (705) 670-5881

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpg.htm

Dear Sir or Madam:

Submission Number: 2.18118

Status

Subject: Transaction Number(s): W9860.00040 Approval After Notice

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at jeromel2@epo.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Blair Kite".

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Work Report Assessment Results

Submission Number: 2.18118

Date Correspondence Sent: May 15, 1998

Assessor: Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9860.00040	1189405	LOVELAND	Approval After Notice	May 15, 1998

Section:

16 Drilling PDRILL

The revisions outlined in the Notice dated April 20, 1998, have been corrected. Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission.

Correspondence to:

Resident Geologist
South Porcupine, ON

Recorded Holder(s) and/or Agent(s):

PLACER DOME (CLA) LIMITED
TORONTO, ON

Assessment Files Library
Sudbury, ON

DAVID MEUNIER
SOUTH PORCUPINE, Ontario

002.14

1 0461 0410 LMD

W:503

Thorburn Twp. (M.601)

THE TOWNSHIP OF

LOVELAND

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

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

NOTES

400' Surface Rights' Reservation along the shores of all lakes and rivers

This township lies within the Municipality of CITY of TIMMINS.

ROAD

F2 THIS TWP SUBJECT TO FORESTRY ACTIVITY IN 1995/96 FURTHER INFO AVAILABLE ON FILE.

DATE OF ISSUE

APR 17 1998
 PROVINCIAL RECORDING OFFICE - SUDBURY

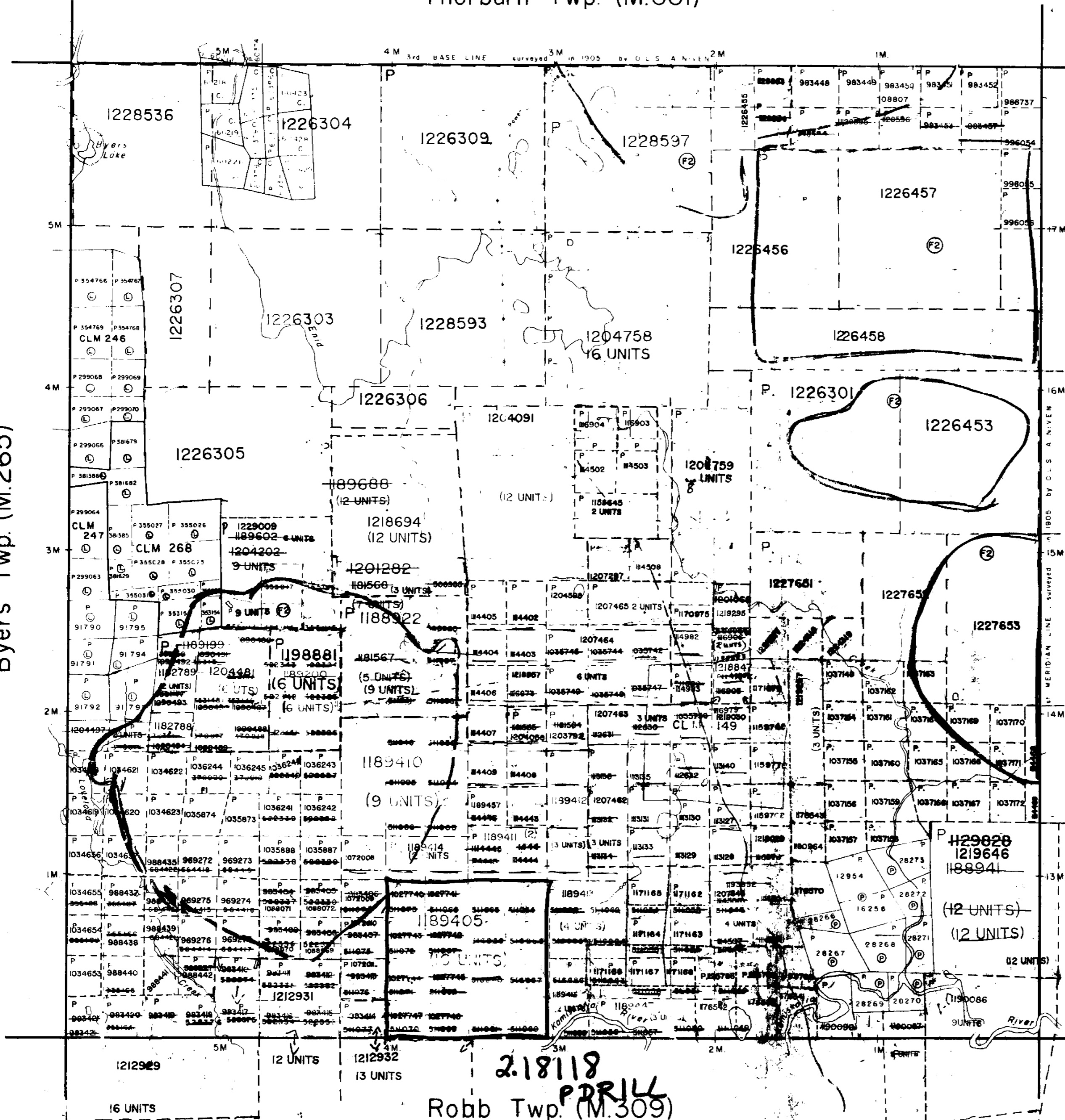
Rec'd Feb 17/83

PLAN NO. M-293

ONTARIO
 MINISTRY OF NATURAL RESOURCES
 SURVEYS AND MAPPING BRANCH

Byers Twp. (M.265)

Maddiarmid Twp. (M.294)



2.18118
 PDRILL
 Robb Twp. (M.309)



OVERBURDEN DRILL ROAD L.O.M. 3-97 A2. 210° Z-52° 11436M NORTH

L-3100E

1189415

CLAY LINE

171168

1189447

DECLINATION 11°W

E.O.N 362M.

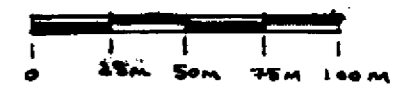
L-34E

RIVER

LOVELAND TWP.
ROBB TWP.

3M

KAMISKOTIA



SCALE 1:2500

2.18118

