



DIAMOND DRILLING



31C11SW0011 18 ELZEVR

010

Township: Elzevir

Report No: 16

WORK PERFORMED FOR: James Leon Byer

RECORDED HOLDER: SAME AS ABOVE [X]

: OTHER [ ]

<u>CLAIM NO.</u>	<u>HOLE NO.</u>	<u>FOOTAGE</u>	<u>DATE</u>	<u>NOTE</u>
EO 747839	56	567.6'	Aug/85	(1)(2)
EO 747839	57	493'	Sept/85	(1)(2)
		<u>1060.6'</u>		

NOTES: (1) #60-85

(2) LOGS SUBMITTED UNDER OMEP REPORT  
#07 85-9-C-39



Ontario

Ministry of Natural Resources

Diamond Drilling Log

567.6 Feet

Fill in on every page Hole No. 56 Page No. 1

Drilling Company <i>St. Lambert Drilling Co.</i>		Collar Elevation	Bearing of hole from true North <i>N86°E</i>	Total Footage <i>173 m</i>	Dip of Hole at Collar <i>45°</i>	Location of hole in relation to a fixed point on the claim. <i>228m</i> Post # <i>1</i>	Map Reference No.	Claim No. <i>747839</i>
Date Hole Started <i>Aug 26 1985</i>	Date Completed <i>Aug 31<sup>st</sup> 1985</i>	Date Logged <i>Sept 2<sup>nd</sup></i>	Logged by <i>J.J. Meillon</i>		<i>173 m</i>		Location (Twp., Lot, Con. or Lat. and Long.) <i>E13E Vir Twp. N 1/2 Lot 15</i>	Property Name <i>Queensborough</i>
Exploration Co., Owner or Optionee <i>Twin Buttes Expl. Inc.</i>		Date Submitted <i>Sept 20<sup>th</sup> 1985</i>	Submitted by (Signature) <i>J.J. Meillon</i>		FL			

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Placer Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To			
0	14 <sup>m</sup> 60	Overburden	Large boulders with sand between								
14 <sup>m</sup> 60	24 <sup>m</sup> 37	Schist	Laminated greenish but white and hard silicified (near granite?) white laminae and veinlets fizz with HCl. 16.70 to 17 <sup>m</sup> 35 Band of Diorite grey like trout skin look when core wet 17.35 to 17.55 fault, broken core and bright red hematite stain.								
24 <sup>m</sup> 37	26 <sup>m</sup> 90	Diorite	Fine grained gneissic could be metased. rock with "growing" speckled grey plagioclase microcrysts.								
26 <sup>m</sup> 90	28 <sup>m</sup> 90	Schist	Fine banded hard (silicified?) green amphibole schist Micro fault → 20°	73°	27 <sup>m</sup>		Core Specimen				
28 <sup>m</sup> 90	29 <sup>m</sup> 80	Diorite	Well crystallized when wet on core speckled like trout look (grey). Some alignment of dark biotite Specimen taken for thin section and analysis		29.3 <sup>m</sup>		Core Specimen				
29 <sup>m</sup> 80	39 <sup>m</sup> 00	Schist	Banded hard (silicified) amphibole schist Fault at 33 <sup>m</sup> 175 → 40°	85°							
39 <sup>m</sup> 00	40 <sup>m</sup> 60	Diorite	Band similar to previous dior. bands								
40 <sup>m</sup> 60	49 <sup>m</sup> 50	Schist	(Schist of mapping). Banded hard greenish grey. 50 to 51 <sup>m</sup> section with coarse amphibole vesicles and crystals. 51 <sup>m</sup> to 54 <sup>m</sup> strong silicification but schist laminar still visible.		53.4 <sup>m</sup>		Core Specimen				

\* For features such as foliation, bedding, schistosity, measured from the long axis of the core. † Additional credit available. See Assessment Work Regulations.



Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.
Date Hole Started	Date Completed	Date Logged	Logged by		FL		Location (Twp., Lot, Con. or Lat. and Long.)
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		FL		
Twin Buttes Exploration Inc. Metreage					FL		

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle °	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To			
40.60	74.50	Continued Schist	6.4 - 6.6 Coarse Amph. crystals & resettes 7.1 m There are some bronzy sheen biotite - pluge zones perhaps some Talc in them (Mg mat) At 79 well banded	50							
79.50	80.30	Diorite	with bronzy looking biotite dark grey plagioclase (fine polysynthetic twinning) (dark contact rock?) Plagioclase dark grey		79.10				Core Specimen		
80.30	81.50	Talc Sch.	Rich pale grey fine grained talc section at both ends there is a 1 cm thick of speckling plagioclase - chlorite "buffer zone"								
81.50	81.80	?	Fine white silicified section mainly qtz with 40% fine incipient feldspar crystals (between schist and Diorite)								
81.80	82.75	Diorite	Grey rock with speckled look and sphynelase metacrysts. Slight schistosity								
82.75	89.90	Talc Schist	Grey fine grained carb-talc schist } gritty feel			3426	82.60	89.90	7" 30		
89.90	91.45	Schist	Quartz chlorite schist, brecciated white angular fragments near top.	45		3427	89.90	91.45	1" 55	(barren for rfd.)	
91.45	94.50	Talc Sch.	Pale grey, fine grained rich Talc rock with a small green chlorite band Talc plates look white here			3428	91.45	97.95	6" 50		



Fill in on  
every page

Hole No. 56 Page No. 3

Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No. 747839
Date Hole Started	Date Completed	Date Logged	Logged by	FL			Location (Twp., Lot, Con. or Lat. and Long.)	
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)	FL			Property Name	
Twin Buttes Exploration Inc. Metreage				FL			Queensborough	

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To			
94.50	96.35	Chlo. Sch	Green well crystallized chlorite zone with a bronzy coloured bio-phylogapite core								
96.35	97.95	Talc Sch	Richer whiter Talc section with a 15cm chlo band at 97m								
97.95	98.40	Chlo - Sch	Chlorite with a soft bronzy phlogapite transition zone at bottom								
98.40	100.55	Diorite	Streaky look, contact type metased look								
100.55	103	Talc Schist	Talc chlorite schist good talc content with gradational contacts								Not sampled
103	105.9	Serpentine	Serp. chlo, Talc rock (20% Talc)								
105.9	118.3	Serpentine	Harder less talc but incipient/muscovite looking talc flakes in the mass. Harder sections may have fine flakes of quartz. Massive non banded rock. Talc grey on core surface but translucent green in thin wedges. Gradational contacts								
118.3	121.35	Talc Schist	Looks like if all serpentine is transformed into talc. Some sill bands. Contact with Dior and Serp. seems to mate talc								Not sampled
121.35	123.10	Diorite	Contact stark type								
123.10	126.0	Talc Schist	Talc rock with chloritic zones								Not sampled

\* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Fill in on  
every page

Hole No.  
56

Page No.  
4

Drilling Company		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No. 747839	
Date Hole Started	Date Completed	Date Logged	Logged by		FL		Location (Twp., Lot, Con. or Lat. and Long.)		
Exploration Co., Owner or Optionee		Date Submitted	Submitted by (Signature)		FL				
Twin Buttes Exploration Metreage Inc					FL		Property Name Queensborough		

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle*	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To			
126.00	130.20	Diorite	Lineated Diorite (could be a gneissized met rock of vol. or volcanic origin)								
130.20	132	Schist	Chlorite, amphibole near top but more siliceous at bottom								
132	137.80	Diorite	locally banded but not gneissic in the sense of segregated plagioclase banding	40°							
137.80	140.25	Talc. Schist	with a 6 cm top contact zone of hoary plagioclase chlorite near the diorite.								
140.25	162.80	Serpentinite	Partly talcified serpentinite some zones have 25% talc but are too irregular to sample. Some bands look like a mixture of amphibolite and serpentine. Some small dioritic sections also								
162.80	163.10	Diorite	Coarse diorite rock.								
163.10	164.15	Talc. Schist	Talc schist with a green chlorite flaky transition zone at both ends (6 cm) angles to core axis too difficult to estimate in tall and serpentine areas								
164.15	173	Diorite	Fine grained diorite becoming coarser grained with depth		170				Core Specimen		
END OF HOLE AT 173 m.											

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Ontario

Ministry of  
Natural  
Resources

**Diamond  
Drilling  
Log**

493 Feet

Fill in on  
every page

Hole No. 57 Page No. 1

Drilling Company <i>St. Lambert Drilling</i>		Collar Elevation <i>Not Surveyed</i>	Bearing of hole from true North <i>116° E</i>	Total Footage <i>150' 30"</i>	Dip of Hole at Collar <i>30°</i>	Location of hole in relation to a fixed point on the claim.  Claim E.O. 747839 Post #1	Map Reference No.	Claim No. <i>747839</i>
Date Hole Started <i>Sept 2nd 1985</i>	Date Completed <i>Sept 5th 1985</i>	Date Logged <i>Sept 13/85</i>	Logged by <i>J.J. Meillon</i>		FL		Location (Twp., Lot, Con. or Lat. and Long.) <i>Elzevir N.E. 1/4 Lot 15 Conc. I.</i>	Property Name <i>Queensborough.</i>
Exploration Co., Owner or Optionee <i>Twin Buttes Exploration Inc.</i>		Date Submitted <i>Sept 20th 1985</i>	Submitted by (Signature) <i>J.J. Meillon</i>		FL			
					FL			

Footage		Rock Type	Description <small>Colour, grain size, texture, minerals, alteration, etc.</small>	Placer Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To			
0	22 <sup>m</sup> 10	Overburden	Boulders and sand. (Morainic)								
22 <sup>m</sup> 10	28 <sup>m</sup> 30	Schist	Laminated, amphib. chlorite siliceous green bands are chloritized Sch 2	75°							
28 <sup>m</sup> 30	29 <sup>m</sup> 65	Talc Schist	Talcose band, darker and more chloritic at bottom contact. Looks ivory whitish and talc rich.								
29 <sup>m</sup> 65	31 <sup>m</sup> 95	Diorite	Diorite is field name for hybrid contact rock qtz, feldsp. gran. at point with hazy borders of pink biotite, black cloudy alignments of darker mineral (biotite?). Speckled looks probably metasedimentary.								
31 <sup>m</sup> 95	33 <sup>m</sup> 80	Chl. Schist	Banded chlorite schist with minor talc very soft greenish chlorite locally grey white (Sch 3 of mapping)	75°							
33 <sup>m</sup> 80	45 <sup>m</sup> 30	Amphib. Sch.	Amphibole, quartz, chlorite schist (Sch 2) looks siliceous and chloritized. Small brassy phlogopite bands. 4m fault at 30' to core	60°							
45 <sup>m</sup> 30	46 <sup>m</sup> 45	Talc zone	Pale grey, high grade fine grained.								
46 <sup>m</sup> 45	46 <sup>m</sup> 80	Twist. vein	Twisted hornitized quartz chlorite structure								
46 <sup>m</sup> 80	49 <sup>m</sup> 93	Diorite	Grey speckled intrusive material with lens digitated bands in it.	40°?							
49 <sup>m</sup> 93	50 <sup>m</sup> 20	Chlorite. Sch.	Chlorite rock contact reaction zone with next rock								

\* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.

Drilling Company <i>St. Lambert</i>		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.
Date Hole Started	Date Completed	Date Logged	Logged by		Fl.		Location (Twp., Lot, Con. or Lat. and Long.)	
Exploration Co., Owner or Optionee <i>Twin Buttes Exploration Inc.</i>		Date Submitted	Submitted by (Signature)		Fl.			
				Fl.	Property Name <i>Queensborough</i>			

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle °	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To			
50 <sup>m</sup> 20	58 <sup>m</sup> 15	Talc. Carb. Schist	Talc carbonate zone with a soft dark green spicily chlo, phlogo talc zone in the middle.			3429	50 <sup>m</sup> 40	58 <sup>m</sup> 15	7 <sup>m</sup> 75		
58.15	58.85	Chlo. Sch.	Mixed micaceous green chlorite zone.								
58.85	60.50	Diorite	Met-intrusive rock with chlorite remains or dark green veinlets.								
60.50	65.45	Tc, chlo. Carb.	Talc chlorite Carbonate zone. Sample this section Talc	40°							
65.45	69.80	Diorite	Feldspathised metagranite or metabasalt, grading downwards into silicified, altered chlorite talc schist.								
69.80	74 <sup>m</sup> 32	Chlo. Tc. Sch.	Dark grey to dark green soft chlorite talc schist (Sch 3)								
74 <sup>m</sup> 32	84 <sup>m</sup> 50	Talc Sch	with chlorite and carbonates rich sections			3430	74 <sup>m</sup> 30	83 <sup>m</sup> 55	9 <sup>m</sup> 25		
84 <sup>m</sup> 50	85 <sup>m</sup> 60	Chlo. Sch	Crilly chlorite schist (Sch 2 - Sch 3)								
85 <sup>m</sup> 60	88 <sup>m</sup> 25	Diorite	Metamorphic-intrusive rock with feldspar, mica, etc. cut by dark basic amphibole rich dykes.								
88 <sup>m</sup> 25	89 <sup>m</sup> 05	Talc rock	Pale grey fine gr. talc zone with a green reaction zone at bottom.								
89.05	89.80	Diorite	Small dioritic band.								
89.80	90.75	Talc rock	Fine pale grey rich talc zone, chlo. reaction zone at top.	40°							

\* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



Drilling Company <i>St. Lambert Drilling.</i>		Collar Elevation	Bearing of hole from true North	Total Footage	Dip of Hole at Collar	Location of hole in relation to a fixed point on the claim.	Map Reference No.	Claim No.	
Date Hole Started	Date Completed	Date Logged	Logged by		Fl.		Location (Twp., Lot, Con. or Lat. and Long.)		
Exploration Co., Owner or Optionee <i>Twin Buttes Exploration Inc.</i>		Date Submitted	Submitted by (Signature)		Fl.				
				Fl.	Property Name <i>Queensborough.</i>				

Footage		Rock Type	Description Colour, grain size, texture, minerals, alteration, etc.	Planar Feature Angle *	Core Specimen Footage †	Your Sample No.	Sample Footage		Sample Length	Assays †	
From	To						From	To			
90.75	92 <sup>m</sup> 60	Mixture	Chlorite and Diorite injections twisted.								
92.60	93.80	Talc rock	Top section is high grade white looking talc. At very top and bottom 4 cm thick chlorite reaction contacts with diorites.								
93.80	96.60	Diorite	Diorite or qtz diorite feldspar bearing rock.								
96.60	98.30	Serpentine	Dark mixture of serpentine amphibole rock.								
98 <sup>m</sup> 30	117 <sup>m</sup> 00	Talc serpentine rock.	Talcified serpentine with some unaffected serpentine "cores", also soft chloritic bands.			3431	98.20	117.20	19 <sup>m</sup>		
117 <sup>m</sup>	126 <sup>m</sup> 20	Chlo, Tc. Sch.	Darker more chloritic than previous. From 118.80 to 118.95 Diorite dykelet.			3432	117.20	126.15	8.95 <sup>m</sup>		
126 <sup>m</sup> 20	128 <sup>m</sup> 30	Fault	Fault zone gauge broken core some talc gauge is mainly ground "diorite" could be an important fault.								
128 <sup>m</sup> 30	139 <sup>m</sup> 10	Diorite	finer grained, feldsp. metacrysts Talc section 137m65 to 138m70.								
139 <sup>m</sup> 10	144 <sup>m</sup> 35	Tc. Carb. Rock	Talc, carbonate with perhaps serpentine remnants.			3433	140.50	150.30	9 <sup>m</sup> 80		
144.35	145.15	Diorite	Hard (included in the sample to test behaviour of intrusive in milling).								
145.15	150 <sup>m</sup> 30	Talc, Carb, rock.	Massive appears derived from serpentinite at 147m 50 some hornblende stain.								
			END OF HOLE AT 150 <sup>m</sup> 30								

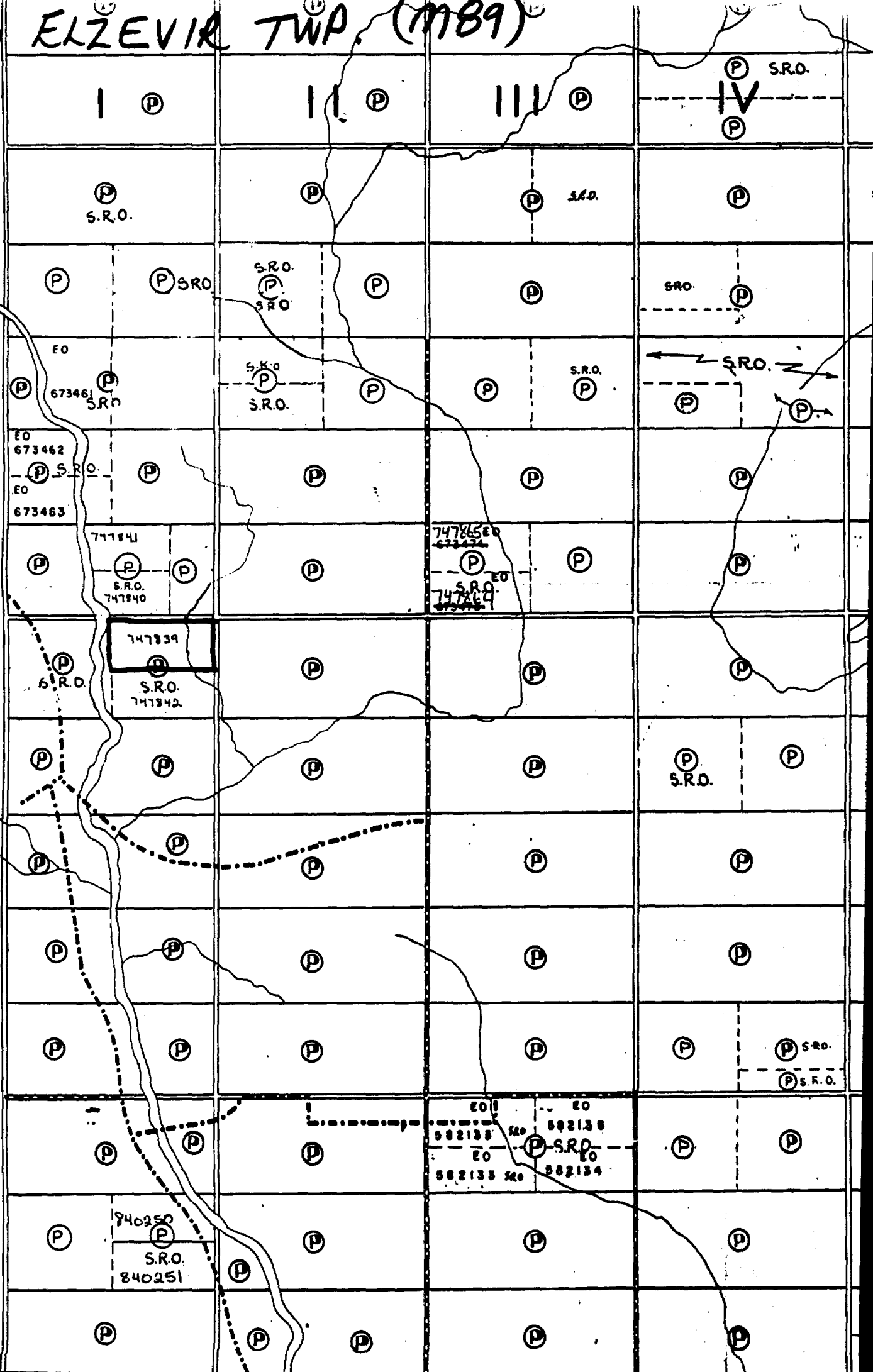
\* For features such as foliation, bedding, schistosity, measured from the long axis of the core.

† Additional credit available. See Assessment Work Regulations.



# ELZEVIA TWP. (1889)

LOT 18  
LOT 17  
LOT 16  
LOT 15  
MADOC

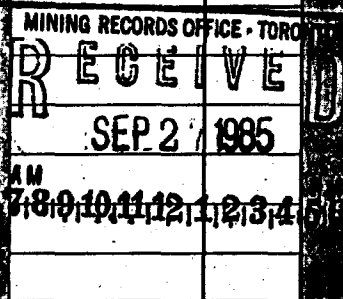




Name and Postal Address of Recorded Holder *James Leon Byer* Prospector's Licence No. *A-44247*  
*R.R. # 3, Tweed Ontario*

Summary of Work Performance and Distribution of Credits

Total Work Days Cr. claimed <i>1060.6</i>	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	<i>E.O.</i>	<i>673461</i>	<i>170</i>						
		<i>673462</i>	<i>170</i>						
		<i>673463</i>	<i>170</i>						
		<i>747841</i>	<i>130</i>						
		<i>747840</i>	<i>130</i>						
		<i>747839</i>	<i>160</i>						
	<i>747842</i>	<i>130.3</i>							



All the work was performed on Mining Claim(s): *747839*

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

*Diamond Drill, Atlas Copco modified assembled by St. Lambert Drilling Co.*  
*Contractor: St Lambert Drilling Co. Ltd.*  
*P.O. Box 473, Valleyfield, Québec.*  
*Canada J.6.S-4V7*

*Core Size: B. Q. (wire line)*  
*Footages: 1060.6 Feet*  
*Drilled from Aug 26<sup>th</sup> 1985 - Sept 5<sup>th</sup> 1985*

ONTARIO GEOLOGICAL SURVEY  
ASSESSMENT FILES  
RESEARCH OFFICE  
OCT 2 1985  
RECEIVED

WORK ASSIGNMENT  
EO 747839  
4,000 - 9000 = 3000 4 day balance.

Date of Report *Sept 20<sup>th</sup> 85* Recorded Holder or Agent (Signature) *J. Meillon*

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  
*JEAN-JACQUES MEILLON 147 Silverbirch Avenue*  
*TORONTO M4E 3L3*

Date Certified *Sept 20<sup>th</sup> 85* Certified by (Signature) *J. Meillon*

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	NII	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.	NII	Work Sketch (as above) in duplicate
Land Survey	Name and address of Ontario land surveyer.		NII