



52A10NW0003 11 TARTAN LAKE

010

AREA OF TARTAN LAKE REPORT NO. 11

This file contains work performed by Wright Hargreaves Mines Ltd. on claims:

TB.46366	Hole # 1	Mar/55
	3	Apr/55
TB.46369	Hole # 2	Mar-Apr/55
	10	May/55
	11	May/55
TB.46365	Hole # 4	Apr/55
	5	Apr/55
	7	Apr-May/55
	8	May/55
	9	May/55
TB.47342	Hole # 6	Apr/55
TB.46367	Hole # 12	May/55

PROPERTY Beck Creek Group

4-11-329

HOLE NUMBER 1
 SHEET NUMBER 1
 SECTION FROM TO

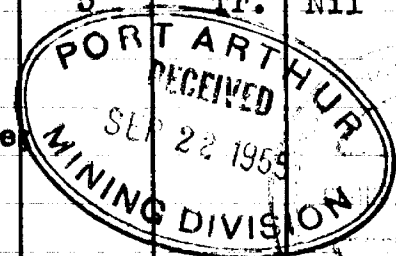
DIAMOND DRILL RECORD

LOCATION: LAT. 122° S 45 W from 0-00 on Base Line
 DEP. Claim T.B. 46366
 ELEVATION OF COLLAR
 DATUM
 DIRECTION AT START: BEARING. S 45 W
 DIP. 0 - 45;

STARTED March 25th., 1955
 COMPLETED March 29th., 1955
 ULTIMATE DEPTH 268 feet
 PROPOSED DEPTH

7
Zone

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$		
0 - 9	Casing						
9 - 21.9	Diorite? fine grained; massive; micaceous; minor dissem. pyrite; quartz porphyry dike, odd fleck molybdenite, from 13 - 14.5						
21.9 - 45.6	Greywacke somewhat gneissic; fine grained; micaceous (biotite); silicified with quartz stringers parallel to gneissosity - about 80 to core.						
45.6 - 47.9	Greywacke becoming pyritized - about 40% Mineralized sulphides; micaceous; quartz in narrow stringers; 80 to core; diorite dike 44.6 - 45.1						
47.9 - 51.5	Quartz about 60% sulphides, mainly pyrite but some pyrrhotite	99801	3.5	Nil	Tr.	Tr.	
51.5 - 52.4	Greywacke micaceous; fine grained; quartz-pyrite Mineralized stringer from 52 - 52.2	99802	5	Tr.	Nil		
52.4 - 65.9	Quartz general pyrite mineralization; from 52.4 - 58 about 30% pyrite, 20% pyrrhotite; from 58 to 65.9 about 20% sulphides pyrite and pyrrhotite about equal.						
65.9 - 66.9	Greywacke micaceous; somewhat gneissic; about Mineralized 50% pyrite; gneissic angle about 75 to core						
66.9 - 67.8	Mica Schist about 10% pyrite Mineralized						
67.8 - 68.2	Quartz pyritized						



DRILLED BY Boyle Bros.

SIGNED H. V. Marsh

PROPERTY Beck Creek Group

HOLE NUMBER 1

SHEET NUMBER 2

SECTION FROM TO

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$		
68.2 - 85	Greywacke somewhat gneissic, micaceous; varying Mineral- pyrite up to about 20%; fine grained ized						
85 - 112.5	Greywacke somewhat coarser grained; somewhat Mineral- gneissic, micaceous; somewhat more ized siliceous, with quartz stringers along bedding or shearing planes; fair pyrite disseminated and in streaks parallel to gneissosity; about 75 to core						
112.5 - 127.2	Mica probable intrusive; coarse biotite Lamprophyre flakes; rather schistose and could be ? altered sediment; some sections fair pyrite						
127.2 - 177.7	Greywacke somewhat gneissic; micaceous; silicified; Mineral- fine grained; about 75 to core; pyritized; ized 127.2-135 about 20% pyrite, streaks and disseminated 135.5-155.5 about 10% pyrite, " with quartz vein 138.5-139 155.5-177.7 about 15 to 20% pyrite "						
Zone F.W. 177.7 - 197	Quartz Probable intrusive mica lamprophyre About 30% pyrite and pyrrhotite, with some short sections of massive sulphides, mainly pyrite	99803	191.7-197				
197 - 268	Greywacke Micaceous; rather more massive, but generally somewhat gneissic, with narrow fingers intrusive material; no sulphide mineralization except leached massive pyrite section from 203.9 to 204.4; from about 200 to end of hole there are chloritized slip planes at about 40 to 45						

RECEIVED
 SEP 22 1955
 MINING DIVISION
 KIRKLAND & CO. INC.

Boyles Bros.

DRILLED BY _____

SIGNED H. W. Marsh

PROPERTY Beck Creek Group

HOLE NUMBER 1/3

SHEET NUMBER _____

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. _____
 DEP. _____

STARTED _____

ELEVATION OF COLLAR _____

COMPLETED _____

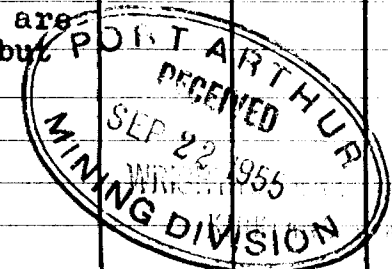
DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
- 268	<p>Greywacke to core; rock generally rather fine grained;</p> <p>239.8 - 241, biotite schist or mica lamprophyre, some calcite cementings</p> <p>242-244.1 biotite schist or lamprophyre</p> <p>245.3-246 biotite schist or mica lamprophyre</p> <p>252.5-253.3 quartz feldspar porphyry</p> <p>254.6-255.4 quartz feldspar porphyry</p> <p>265.1-265.6 biotite schist or lamprophyre, cemented with calcite</p> <p><u>End of Hole - 268 Feet</u></p> <p>Note: For section assume hole has flattened to 40 degrees at 268.</p> <p>Assume dip of 65 degrees for projections of mineralized zone and main quartz veins: Diorite intrusives probably strike with zone, but known that pegmatitic and other acidic intrusives, as well as some quartz veins, are transverse, as well as some sub parallel but with opposite direction flat dips.</p> <p>GHS</p>				



Boyles Bros.

DRILLED BY _____

H. W. Marsh

SIGNED *[Signature]*

PROPERTY Beck Creek Group

HOLE NUMBER 2

SHEET NUMBER 1

SECTION FROM..... TO.....

DIAMOND DRILL RECORD

LOCATION: LAT. 125' SW from 168' S on Base Line
 DEP. Claim T.B. 46369

STARTED March 30th., 1955

ELEVATION OF COLLAR.....

COMPLETED April 1st., 1955

DATUM.....

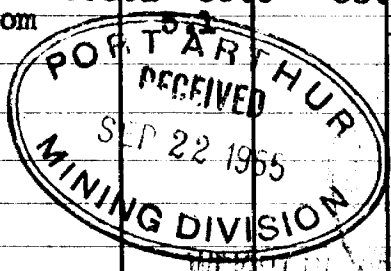
ULTIMATE DEPTH 241 Feet

DIRECTION AT START: BEARING S 45 W
 DIP 0 - 45 degrees

PROPOSED DEPTH.....

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$			
0 - 9.2	Casing boulders from 8'							
9.2 - 50.8	Greywacke micaceous (biotite) schist to about 26'; becoming more gneissic and silicified. With quartz stringers along bedding or gneissosity; about 75 to core							
50.8 - 55.6	Diorite							
55.6 - 66	Greywacke micaceous; gneissic; quartz stringers along bedding or gneissosity							
66 - 90	Quartz about 50% pyritic sulphides as patches and massive, with about half pyrite and half pyrrhotite	99804	66 - 69					
90 - 90.8	basic dike with chloritic slips 40 to core	99805	71 - 76					
		99806	96 - 102.4					
90.8 - 106.8	Greywacke micaceous; silicified; somewhat Mineralized gneissic; pyrite disseminated and streaks, with about 30% sulphides from 95 to 102.5	99831	83.6 - 88.7					
106.8 - 110.8	Biotite Schist highly altered biotite and chlorite; possibly lamprophyre intrusive							
110.8 - 125	Greywacke micaceous and silicified; somewhat Mineralized gneissic, with intrusive fingers; about 5 to 10% pyrite							
125 - 132	Greywacke more siliceous and gneissic, with feldspathic Mineralized intrusive fingers; about 25% pyrite							

7
Zone
H.W.



Boyles Bros.

DRILLED BY.....

SIGNED H. W. Marsh
[Signature]

PROPERTY Beck Creek Group

HOLE NUMBER 2

SHEET NUMBER 2

DIAMOND DRILL RECORD

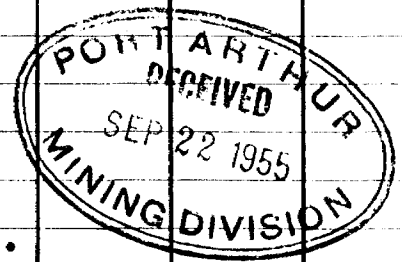
SECTION FROM _____ TO _____

LOCATION: LAT. _____
 DEP. _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$			
132 - 174.5	Greywacke somewhat gneissic; micaceous and silicified; about 70 to core; Mineral-ized varying sulphides, pyrite, from 5 to 10% as disseminated and streaks							
174.5 176	Diorite							
176 210.3	Greywacke somewhat gneissic; silicified and Mineral-ized micaceous, with intrusive fingers; about 70 to core; about 15% pyrite							
210.3 233	Quartz some biotite-chlorite schist inclusions; both quartz and inclusions carry about 15% pyrite, disseminated, patches, and some short massive sections; some leached sections; massive pyrite from 229.5 - 233; diorite, altered, from 229.9 - 230.5	99808-	2.5'	230.5-233		Au	Cu	Zn
						Tr. 0.82%	0.6%	
233 - 241	Greywacke silicified; micaceous; somewhat gneissic; more massive. END OF HOLE * 241 Feet							
	Notes: Assume dip of 65 to zone for sections. Assume hole has flattened to 40 degrees at 240 feet.							

Zone
F. W.



WRIGHT-TAMMERTON
KIRKLAND LAKE, ONTARIO

DRILLED BY Boyles Bros.

SIGNED H. W. Marsh

PROPERTY Beck Creek Group

HOLE NUMBER 3

SHEET NUMBER 1

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. 57' S 45 W from 275' N on Base Line
 DEP. Claim T.B. 46366

STARTED April 3rd., 1955

ELEVATION OF COLLAR _____

COMPLETED April 11th., 1955

DATUM _____

ULTIMATE DEPTH 656 Feet

DIRECTION AT START: BEARING S 45 W
 DIP 0 - 45; 300 - 38; 600 - 35.

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 - 10	Casing				
10 - 56.4	Greywacke micaceous; somewhat schistose to gneissic; silicified on gneissosity with quartz stringers; core angle about 65; biotite chlorite schist, possible altered mica lamprophyre, from 38.5 - 39.2				
56.4 58.7	Diorite ? altered to biotite schist				
58.7 60.6	Greywacke micaceous; gneissic				
60.6 61.9	Lamprophyre ? biotite chlorite schist, coarse biotite flakes; possible altered basic intrusive				
61.9 72.2	Greywacke micaceous; somewhat gneissic; may be in part mica lamprophyre; possible altered diorite 68.8 - 70.6; quartz pyrite				
72.2 73.7	Quartz local pyrite				
73.7 76.2	Pegmatite fine grained pegmatite or granitic intrusive; local coarse flakes of molybdenite from 73.2 to 75; high quartz				
76.2 78.7	Quartz local chlorite; pyritized; fine molybdenite from 76.2 - 77				
78.7 98.2	Greywacke micaceous; silicified with quartz Mineralized stringers parallel to gneissosity; about 65 to core; mica schist from 96 to contact at 98.3; altered diorite about 20% pyrite as streaks and disseminations	97.1 - 97.9;			

Zone
H.W.

PORT ARTHUR RECEIVED
 SEP 22 1955
 MINING DIVISION

REGISTERED PROFESSIONAL ENGINEER
 MINING
 GEORGE H. ELLIOTT
 KIRKLAND DIST., CALIF.

DRILLED BY Boyles Bros.

SIGNED H. W. Marsh
per [Signature]

PROPERTY Beck Creek Group

HOLE NUMBER 3

SHEET NUMBER 2

SECTION FROM.....TO.....

DIAMOND DRILL RECORD

LOCATION: LAT.....
DEP.....

STARTED.....

ELEVATION OF COLLAR.....

COMPLETED.....

DATUM.....

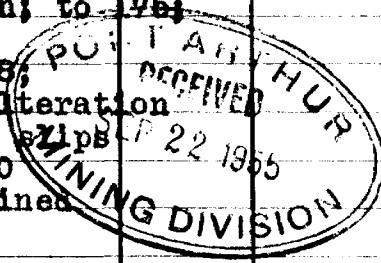
ULTIMATE DEPTH.....

DIRECTION AT START: BEARING.....
DIP.....

PROPOSED DEPTH.....

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
98.2 100.6	pegmatite about 35 to core				
100.6 114.2	Greywacke micaceous; silicified; about 50% Mineral-ized pyrite as streaks and disseminations				
114.2 116.2	Quartz about 15% pyrite and minor pyrrhotite; molybdenite fleck at upper contact				
116.2 118.3	Diorite some disseminated pyrite				
118.3 143.5	Quartz mainly; some included silicified greywacke; about 25% pyrite and pyrrhotite; some fine molybdenite from 121.5 - 123; nearly massive pyrite and pyrrhotite, minor molybdenite, from 129.2 - 132.7	128.7-132.7 99809	4'	Au Tr.	Cu 0.05%
143.5 220	Greywacke high biotite and sericite alteration; to 175; local silicification; core angles 75-80; altered diorite 171.5 - 172.8; barren quartz 172.9 - 173.2; less alteration and silicification, but chloritized and calcite fillings, from 175 - 220				
220 227.6	Mica coarse biotite flakes in medium grained Lamprophyre basic intrusive; somewhat schistose				
227.6 281.5	Greywacke Greywacke with minor biotite alteration; rather massive, unbedded; diorite dike 229.6 230.3; quartz veinlets 230.8-231.1, 231.7-231.9, 236.5-236.8, 239.5-241.8; pegmatite dike 254.1-257.4; lost core 261.1-263.5 (fault ?				

Zone
F.W.



WRITTEN BY
KIRKLAND

DRILLED BY Boyles Bros.

SIGNED H.W. Marsh

PROPERTY Beck Creek Group

HOLE NUMBER 3

SHEET NUMBER 3

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. _____
 DEP. _____

STARTED _____

ELEVATION OF COLLAR _____

COMPLETED _____

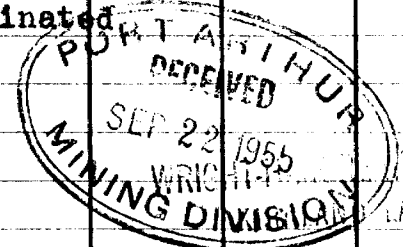
DATUM _____

ULTIMATE DEPTH 656'

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$		
281.5 293.4	Pegmatite coarse quartz, orthoclase & Muscovite						
293.4 295.6	Greywacke quartz filled fractures at 40 to core						
295.6 296.2	Pegmatite						
296.2 311.8	Greywacke quartz filled fractures at 40 to core						
311.8 322.3	Pegmatite leached; mylonitic, brecciated; Hole cemented twice 319-335 - <u>FAULT ZONE</u> core loss high						
322.3 328	Diorite basic intrusive						
328 353.6	Greywacke generally rather massive, medium grained, no visible bedding; partially altered to biotite schist; chloritized slips at various angles; occasional small garnet; some quartz and pegmatite filling						
353.6 412.2	Pegmatite mainly orthoclase and quartz, with local high muscovite; slight general disseminated pyrite; some molybdenite crystals at 371 and 380						
412.2 412.8	Diorite						
412.8 417.1	Greywacke fine grained; massive						
417.1 436.7	Greywacke medium grained; massive; few garnets; some quartz fillings						
436.7 451.3	Diorite probable intrusive with biotite-chlorite alteration						
451.3 453.8	Greywacke somewhat micaceous (biotite); few pyritized quartz fingers and narrow diorite stringers						
463.8 465.4	Mica coarse biotite flakes; about 85 to core Lamprophyre						



Boyles Bros.

DRILLED BY _____

SIGNED H. W. Marsh

Beck Creek Group
PROPERTY.....

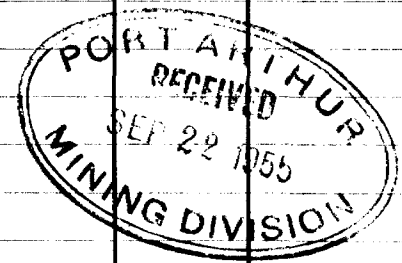
HOLE NUMBER 3
4
SHEET NUMBER.....
SECTION FROM..... TO.....

DIAMOND DRILL RECORD

LOCATION: LAT.....
DEP.....
ELEVATION OF COLLAR.....
DATUM.....
DIRECTION AT START: BEARING.....
DIP.....

STARTED.....
COMPLETED.....
ULTIMATE DEPTH 656 Feet
PROPOSED DEPTH.....

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
465.4 469	Greywacke medium grain; no visible bedding; massive; some quartz fillings				
469 473.5	Trap dike fine grained dike; chilled edges				
473.5 522.2	Greywacke medium grained, siliceous, fairly massive; local few small garnets; fine grained pegmatite 516.8-517.7				
522.2 534	Trap dike about 45 to core; fractured at 30; coarser near centre				
534 545.2	Greywacke micaceous and garnetiferous				
545.2 548.7	Diorite? possible intrusive, but indistinct contacts				
548.7 549.2	Quartz with garnets				
549.2 570.8	Greywacke micaceous and quartz fillings; quartz veinlet 562.6 to 563				
570.8 572.7	Mica lamprophyre				
572.7 573	Quartz				
573 585.8	Greywacke micaceous				
585.8 592.7	Mica lamprophyre				
592.7 597.5	Greywacke micaceous				
597.5 602.7	Gneiss quartz biotite; altered greywacke?				
602.7 615.8	Greywacke micaceous				
615.8 617.2	Chlorite schist possible highly altered intrusive				
617.2 621.2	Greywacke micaceous				
621.2 624	Mica lamprophyre				



WRIGHT LABORATORIES LTD
KIRKLAND LAKE, ONTARIO

Boyles Bros.

DRILLED BY.....

SIGNED *H. W. Marsh*
George P. Miller

PROPERTY Hook Creek Group

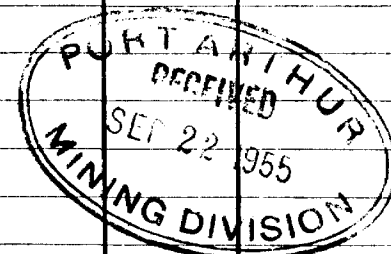
HOLE NUMBER 3
 SHEET NUMBER 5
 SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT _____
 DEP _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH 656 Feet
 PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
624 656	Greywacke micaceous; few scattered garnets; local quartz fillings; quartz veinlet 641.4-641.8				
	END OF HOLE - 656 Feet				
	Note: Assume dip of 60 degrees to zone for projections on section				
	Cores badly leached and broken 311.8 to 323.3, with considerable core loss; Sand in hole; required cementing; twice from 319 to 335; probable strong fault zone; same fault apparently crossed in hole 5.				



Boyles Bros.

DRILLED BY _____

SIGNED H. W. Marsh
[Signature]

PROPERTY Beck Creek Group

WRIGHT-HARGREAVES MINES, LIMITED

HOLE NUMBER 4

SHEET NUMBER 1

KIRKLAND LAKE, ONTARIO
DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. 158' N 45 E from 960' N on B. L.
DEP. Claim T.B. 46365

STARTED April 13th., 1955

ELEVATION OF COLLAR _____

COMPLETED April 14th., 1955

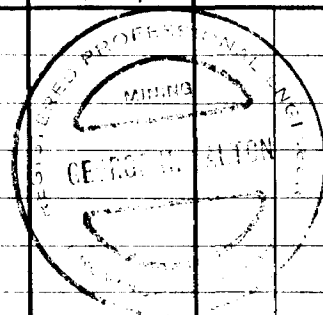
DATUM _____

ULTIMATE DEPTH 300 Feet

DIRECTION AT START: BEARING S 50 W
DIP 0 - 45; 300 - 38.

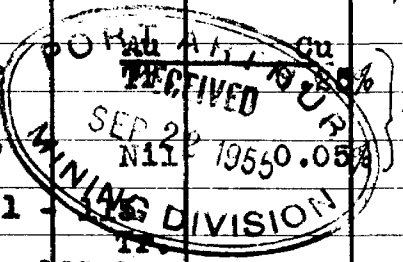
PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 5	Casing				
5 49.1	Greywacke micaceous and silicified; about 75 to core for gneissosity; altered possible mica lamprophyre intrusives 24.6-25, 26.6-26.9, 27.3-27.5; possible diorite, altered to chlorite-biotite schist, 27.8-30.0				
49.1 50.4	diorite				
50.4 76.6	Greywacke micaceous (biotite) and silicified; altered basic dike 55.7-56.1; acid dike, quartz and biotite, 59-65.5; quartz vein 61.1-62				
76.6 77.9	diorite somewhat chloritized				
77.9 90.4	Greywacke micaceous and highly silicified; about 65 to core; minor dissem. pyrite; diorite dike 87.8-88.8				
90.4 96.7	Diorite? altered to chlorite-biotite schist				
96.7 100.9	Sulphide massive pyrrhotite; minor quartz blebs and some pyrite cubes;	99810	4.2		
100.9 102.6	Sulphide massive pyrite	99811	1.7		
102.6 103.6	Quartz about 10% pyrite	99818	109.1 - 109.9		
103.6 105	Diorite	99819	120 - 123.1		
105.0 106.1	Quartz about 10% pyrite		3.1		
106.1 109.1	Diorite about 20% pyrite 107.3-108.8				
109.1 123.1	Quartz about 20% pyrite and pyrrhotite	99812	5'	0.06 oz.	0.10%



Ont. Dept. Mines Assay

Cu-trace
Ni-trace
Cadmium - none
Selenium - 0.04%



Zone
H. W.

Boyles Bros.

DRILLED BY _____

SIGNED H. W. Marsden

PROPERTY Beck Creek Group

WRIGHT & BROS. LIMITED
KIRKLAND LAKE, ONTARIO

HOLE NUMBER 4
SHEET NUMBER 2
SECTION FROM _____ TO _____

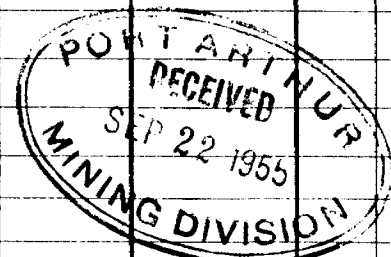
DIAMOND DRILL RECORD

LOCATION: LAT. _____
DEP. _____
ELEVATION OF COLLAR _____
DATUM _____
DIRECTION AT START: BEARING _____
DIP _____

STARTED _____
COMPLETED _____
ULTIMATE DEPTH 300'
PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
123.1 132.4	Diorite medium grained; quartz, pyritized, 124.7-125				
132.4 164.1	Quartz 10 to 15% pyrite and pyrrhotite				
164.1 171.5	Diorite some silicified sections; about 5% pyrite Mineralized				
171.5 172.4	Quartz about 15% pyrite; some silicified fractures				
172.4 173	Greywacke micaceous; silicified Mineralized				
173 173.9	Diorite some pyrite				
173.9 175	Quartz about 30% pyrite				
175 190	Greywacke micaceous; some diorite fingers; some pyrite to 177; about 80 to core				
190 193.1	Gneiss quartz biotite rock, gneissic, probable altered greywacke; chloritic slips about parallel to core				
193.1 232.3	Greywacke micaceous, somewhat gneissic; local scattered garnets; some diorite fingers; short sections coarse biotite				
232.3 236.3	Gneiss quartz biotite rock				
236.3 300	Greywacke micaceous; trap dikes 243.3 - 244.5, and 245.3 - 247.6				
	<u>END OF HOLE - 300 Feet.</u>				
	Assume dip of 55 degrees for projection of zone on section.				

F.W. Zone
//



Boyles Bros.

DRILLED BY _____

SIGNED H. W. Marsh
per [Signature]

WRIGHT-HARGREAVES MINES, LIMITED

PROPERTY Beck Creek Group

KIRKLAND LAKE, ONTARIO

HOLE NUMBER 5

SHEET NUMBER 1

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. 190' N 45 E from 1160 N on Base Line
 DEP. Claim T.B. 46365

STARTED April 15th., 1955

ELEVATION OF COLLAR _____

COMPLETED April 19th., 1955

DATUM _____

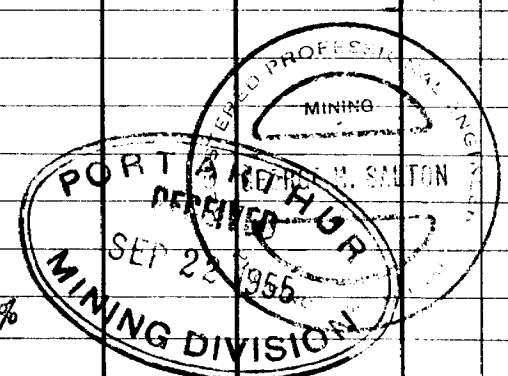
ULTIMATE DEPTH 600'

DIRECTION AT START: BEARING S 50 W
 DIP 0 - 45; 300 - 40; 600 - 38

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 5	casing				
5 29.5	Greywacke micaceous (biotite), garnetiferous; rather gneissic, about 85 to core; some intrusive fingers diorite and acid material; some quartz in stringers and patches; very slight pyrite				
29.5 32.2	Mica Lamprophyre massive				
32.2 62.3	Greywacke rather gneissic; micaceous - both biotite and sericite section; about 85 to core; some parallel quartz stringers and patches quartz, little pyrite 44.3-45; diorite, altered to biotite and chlorite, 51.5-54.5, and some other narrow sections; minor pyrite in streaks and patches <u>Lost Core - 38.5 - 42.5 - possible fault</u>				
62.3 66.9	Quartz apparently about 50 to core; 10 to 15% pyrite and pyrrhotite; diorite, fairly massive, acidic, fine disseminated pyrite, from 63.5-64; lower quartz about 30 to core				
66.9 72.7	Diorite local fair pyrite, especially near contacts				
72.7 90.3	Quartz mainly - some silicified rock, diorite, and feldspathic intrusives from 72.1 to 82.1, and lesser to 90.3; general 5 to 10% pyrite, some pyrrhotite, and slight local molybdenite, with heavy pyrrhotite, lesser pyrite, section from 80 to 82.8; upper contact about 30, lower 85				
90.3 96	Diorite rather massive, fine grained, acidic; slight fine disseminated pyrite				

Zone
H. W.



DRILLED BY Boyles Bros.

SIGNED [Signature]

PROPERTY Beck Creek Group

WRIGHT-HARGREAVES LTD., LIMITED

KIRKLAND LAKE, ONTARIO

DIAMOND DRILL RECORD

HOLE NUMBER 5

SHEET NUMBER 2

SECTION FROM _____ TO _____

LOCATION: LAT. _____

DEP. _____

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING _____

DIP _____

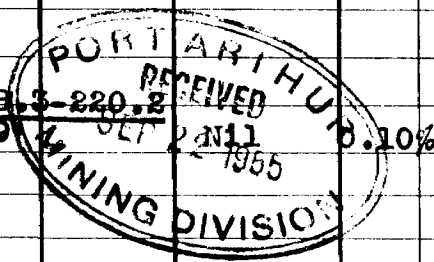
STARTED _____

COMPLETED _____

ULTIMATE DEPTH 600'

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$		
96 161.1	Greywacke generally gneissic, about 80 to core; may be diorite to 100%; biotite-some chlorite-garnet gneisses, becoming biotite-quartz-garnet gneiss; generally rather massive, but some tendency to shear 25 to core to 130.5; locally siliceous, silicified, and some quartz fillings; general fair scattered (2 to 5%) pyrite and some pyrrhotite, with some local heavier mineralized sections						
161.1 186.7	Quartz mainly; some included silicified and gneissic sections; about 10 to 15% pyrite and pyrrhotite						
186.7 188.1	Diorite						
188.1 215.4	Quartz minor included gneiss; general fair to heavy, and some short sections nearly massive pyrite and pyrrhotite; some quartz blebs in massive sections, which consists of nodules of pyrite in pyrrhotite	99813	193.5-198.5 5'		Ag Tr.		Cu 0.10%
		99814	198.5-203.5 5'		Tr.		0.10%
F.W. Zone 215.4 218.4	Diorite fine grained						
218.4 220.1	Quartz nearly massive sulphides, mainly pyrrhotite with lesser pyrite; about 10% quartz	99815	218.3-220.2 1.9'				0.10%
220.1 228.2	Diorite fine grained; slight disseminated pyrite						
228.2 253.3	Greywacke micaceous; fairly massive, but locally laminated and slightly gneissic; about 90 to core; some local silicification						



Boyles Bros.

DRILLED BY _____

SIGNED Samuel Nelson

PROPERTY Beck Creek Group

WRIGHT-HARGREAVES MINES, LIMITED

KIRKLAND LAKE, ONTARIO

HOLE NUMBER 5

SHEET NUMBER 3

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING _____
 DIP _____

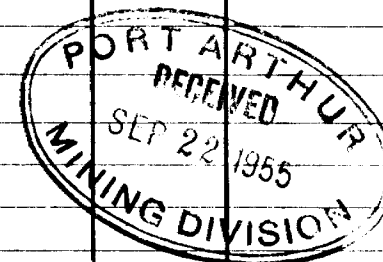
STARTED _____

COMPLETED _____

ULTIMATE DEPTH 600'

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
252.3 - 258.3	Trap Dike fine grained, massive, black; about 85 to core				
258.3 - 323.8	Greywacke micaceous (biotite); generally rather massive, but locally gneissic; 85-90 to core; 260.8-261.3 quartz veinlet; 263.7-264.6 quartz biotite gneiss; 265.9-266.4 quartz biotite gneiss; 272.8-273.2 possible diorite, also 275.4-276.4; 277.7-278.2 mica lamprophyre; 285-285.5 pegmatite with odd fleck molybdenite; 293.3-294.3 mica lamprophyre; 305.5-307 mica lamprophyre <u>lost core</u> 310.4-312				
323.8 - 325.7	mica lamprophyre? highly altered				
325.7 - 370	Greywacke generally micaceous, gneissic, with scattered garnets, and some local silicification; about 90 to core; some fracturing parallel to core; 327.3-327.9 mica lamprophyre; also 341.8-342.2 and 343.7-343.9; diorite 352-353.5; pegmatite 354.6-355.2; diorite 360.9-361.7				
370 - 388.6	Greywacke micaceous, gneissic, as above; considerable <u>fault zone?</u> lost core may indicate fault zone, but rocks recovered not especially broken <u>lost core</u> - 370-371, 379-381.5, 382-383.5, 384-385.6, 387.2-388.6				
388.6 - 427.2	Greywacke gneissic as above; altered diorite 423.8-425				



Boyles Bros.

DRILLED BY _____

SIGNED Ray J. Miller

PROPERTY Beck Creek Group

WRIGHT-PARKWAY, PORT ARTHUR, ONTARIO
KIRKLAND LAKE, ONTARIO

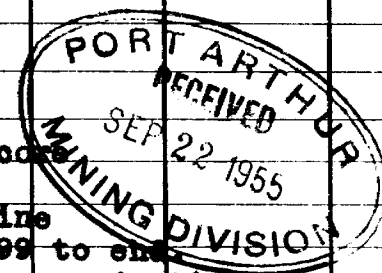
HOLE NUMBER 5
4
SHEET NUMBER
SECTION FROM TO

DIAMOND DRILL RECORD

LOCATION: LAT. _____
DEP. _____
ELEVATION OF COLLAR _____
DATUM _____
DIRECTION AT START: BEARING _____
DIP _____

STARTED _____
COMPLETED _____
ULTIMATE DEPTH 600'
PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$			
427.2 434.8	<u>Fault Zone</u> brecciated quartz (some feldspars and sericite) to 430; brecciated diorite, with quartz fillings around breccia fragments, slight local pyrite, to 434.8; amethyst and white quartz filled vug at 434							
434.8 500.7	Greywacke micaceous (biotite) generally rather massive but somewhat gneissic; mica lamprophyre 458.7-458.8; some quartz patches 496 to end							
500.7 517.5	Pegmatite quartz and feldspars (albite ?) mainly, with some scattered dark minerals and sericite; very local slight pyrite							
517.5 532.5	Diorite medium to coarse grained; massive; quartz veins 520.4-520.8, 526.5-526.8; finer grained and some shearing towards contact; some amethyst stringers							
532.5 536.7	Pegmatite quartz and (albite ?) feldspars							
536.7 543	Diorite fine grained; somewhat sheared and broken							
543 551	Greywacke micaceous (biotite); rather massive							
551 576.8	Pegmatite quartz and (albite) feldspars; minor dark minerals; very slight local pyrite; greywacke inclusions 567.8-567.8, 569.8-569.8, 569.3-570.2; contacts irregular but about 45 to core							
576.8 600	Greywacke micaceous; rather massive but locally gneissic about 75 to core; variable grain from fine to medium; few small garnets; possible diorite 599 to end							
	END - 600'							



N.B. Assume dip of 50 degrees to zone for projections.

Boyles Bros.

DRILLED BY _____

SIGNED *George H. Dellen*

2000 T. B. 47342

WRIGHT-HARGREAVES MINES, LIMITED

~~338~~ HOLE NUMBER 6

KIRKLAND LAKE, ONTARIO 4-11-329 SHEET NUMBER 1

PROPERTY Beck Creek Group

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

47342

LOCATION: LAT. 260' N. 50° E. from 1497' on Base Line

STARTED April 25th, 1955

DEP. Claim T.B. 47342

COMPLETED April 28th, 1955

ELEVATION OF COLLAR _____

ULTIMATE DEPTH 338'

DATUM _____

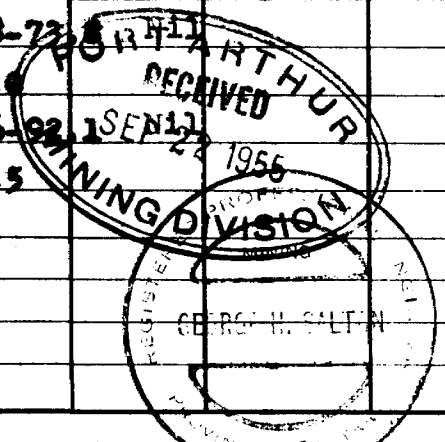
DIRECTION AT START: BEARING S. 50° W.

PROPOSED DEPTH 325'

DIP 0 - 50°; 338' - 42°

Zone
H.W.

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 2.5	Casing				
2.5 54.3	Greywacke micaceous; gneissic 85° to core				
54.3 58.0	Diorite? massive, medium grained				
58.0 60.2	Greywacke micaceous, etc. as above				
60.2 65.6	Diorite mainly, some micaceous greywacke				
	Mineralized				
	Towards end - about 10% pyrite as nearly massive fillings and patches associated with 10% quartz as veining				
65.6 92.2	Quartz quartz with about 20% sulphide	99820	65.6-68.8	Au Tr. 0.10%	
	Mineralized Mineralization mainly pyrite as short massive filling, patches and streaks; some greywacke or diorite inclusions, silicified	99821	68.8-72.1	3.2	
		99822	72.1-86.6	5.5	
92.2 104.7	Greywacke rather highly silicified and Mineralized some quartz filled section about 5% sulphides - pyrite disseminated and in streaks		5.5		
104.7 106.5	Mica Lamprophyre includes 2" silicified greywacke - pyritized.				



DRILLED BY Boyles Bros.

SIGNED Ernest J. Davis

WRIGHT-HARGREAVES MINES, LIMITED

KIRKLAND LAKE, ONT. CAN.

HOLE NUMBER..... **6**

SHEET NUMBER..... **2**

SECTION FROM..... TO.....

PROPERTY **Beck Creek Group**

DIAMOND DRILL RECORD

LOCATION: LAT.....
DEP.....

ELEVATION OF COLLAR.....

DATUM.....

DIRECTION AT START: BEARING.....
DIP.....

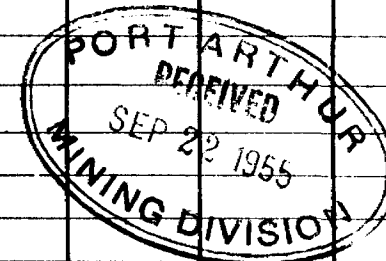
STARTED.....

COMPLETED.....

ULTIMATE DEPTH.....

PROPOSED DEPTH.....

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
106.5 143.8	Greywacke? highly silicified and some quartz mineralized filled sections about 5% pyrite to 115' and then in minor amounts. Lost core; 131.3 - 132.3;				
143.8 146.2	Lost Core possible fault zone?				
146.2 155.8	Mica Lamprophyre - coarse grained some quartz fillings (Lost core 150-151.1) and pyrite from 155				
155.8 183.6	Quartz generally highly brecciated Mineralized some mud seams; some included Fault Zone? chloritized and silicified material; about 5%-10% pyrite as streaks patches and disseminations	99823	176.4-182.5 5.1	$\frac{\text{Au}}{\text{tr}}$	
183.6 190.5	Mica Lamprophyre - some narrow chlorite schist section and intrusive acid fingers near end				
190.5 191.6	Diorite fine grained some disseminated pyrite 70° to core.				



DRILLED BY **Boyles Bros.**

SIGNED *Ernie J. Pulli*

PROPERTY Book Creek Group

HOLE NUMBER 6

SHEET NUMBER 3

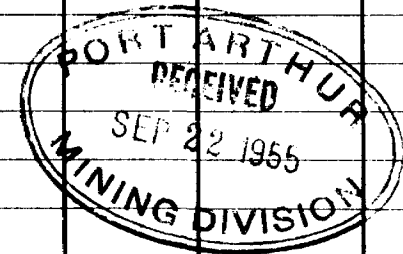
SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
DEP. _____
ELEVATION OF COLLAR _____
DATUM _____
DIRECTION AT START: BEARING _____
DIP _____

STARTED _____
COMPLETED _____
ULTIMATE DEPTH _____
PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
181.5 193.1	Mica Lamprophyre 5-10% pyrite and some quartz Mineralized fillings; locally chloritized				
193.1 196.8	Quartz Quartz mainly some included Mineralized possible mica lamprophyre, 15% pyrite				
196.8 204.6	Greywacke? silicified, laminated 80° to Mineralized core 2 or 3% pyrite in streaks and disseminations; locally somewhat gneissic				
204.6 208.1	Diorite? fine grained fairly massive; Mineralized minor disseminated pyrite.				
208.1 219.0	Greywacke silicified, pyritized some- Mineralized what gneissic as above; some local narrow quartz fillings; possible diorite from 218.3				
219.0 222.1	Quartz 25% pyrite as heavy patches Mineralized and streaks; 80° to core				
222.1 226.4	Diorite? 5% pyrite disseminated and in Mineralized patches; some quartz fillings				
226.4 240.0	Diorite? Generally massive medium grained; some narrow mineralized quartz sections to 232.3				



Zone
H.W.

DRILLED BY Boyles Bros.

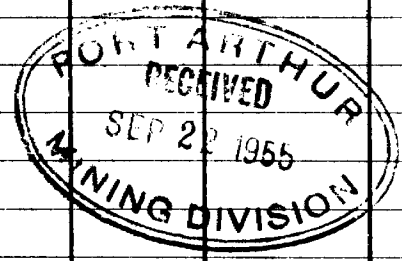
SIGNED Ernie D. Ballie

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
240.0 242.4	Basic Dike fine grained, chilled contact 90° to core.				
242.4 323.3	Diorite? massive medium grained as above; quartz albite dike 254.5-255.1; schistose and mud seam 263.2 - 263.7 chloritic and possible fault zone 3" granitic dike 267; 5" granitic dike at 277.8; micaceous, could be greywacke in part or whole; very slight local pyrite; locally laminated and somewhat gneissic with quartz stringers from about 290 - more probably greywacke; last foot chloritic and schistose.				
323.3 333.4	Quartz albite dike - coarse grained but not quite pegmatitic; somewhat broken; minor sulphide mineralization; lost core 326 - 320				
333.4 338.0	Diorite? - or greywacke; micaceous rather massive some narrow quartz veinlets; slight pyrite.				



END OF HOLE - 338.0 Feet

DRILLED BY Boyles Bros.

SIGNED Henry W. Dalli

WRIGHT-HARGREAVES MINES, LIMITED

KIDLAND DISTRICT

PROPERTY Book Creek Group

HOLE NUMBER 7

SHEET NUMBER 1

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. 365' N. 50 E. from 992 N. on Base Line
 DEP. Claim #T.B. 46365

STARTED April 29, 1955

ELEVATION OF COLLAR _____

COMPLETED May 3, 1955

DATUM _____

ULTIMATE DEPTH 424 Feet

DIRECTION AT START: BEARING S. 50 W.
 DIP 0 - 55°; 424 - 44°

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 5.0	Casing				
5.0 53.7	Greywacke micaceous, generally somewhat gneissic with some local quartz stringer but locally massive; mica lamprophyre from 21.2 - 21.9; lost core 23.5 - 25.0 70° to core.				
53.7 64.4	Diorite? massive medium grained; minor disseminated pyrite.				
64.4 68.6	Mica Lamprophyry coarse grained, locally disseminated pyrite				
68.6 84.2	Greywacke as above; mica lamprophyre dike 71.0 - 71.8; generally rather massive but locally gneissic, micaceous.				
84.2 88.3	Mica Lamprophyre medium grained				
88.3 91.3	Greywacke micaceous somewhat gneissic as above				
91.3 92.8	Mica Lamprophyre Contact 85° to core				
92.8 98.8	Greywacke as above; 4" mica lamprophyre @ 95.3				

PORT ARTHUR RECEIVED
 SEP 22 1955
 MINING DIVISION

DRILLED BY Boyles Bros.

SIGNED Benny J. Jellie

PROPERTY..... **Back Creek Group**

DIAMOND DRILL RECORD

LOCATION: LAT.....
 DEP.....

ELEVATION OF COLLAR.....

DATUM.....

DIRECTION AT START: BEARING.....
 DIP.....

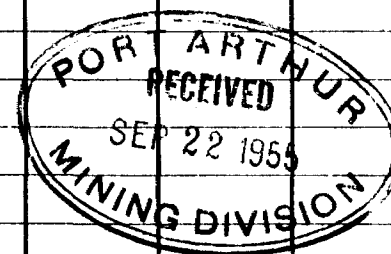
STARTED.....

COMPLETED.....

ULTIMATE DEPTH.....

PROPOSED DEPTH.....

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$			
98.8 105.0	Pegmatite Dike some included greywacke to 100.0 minor local pyrite; and some steely metallic possibly bismuth; slightly local molybdenite; narrow leached section at 100.9							
105.0 168.3	Greywacke occasional narrow quartz veinlet with pyrite; micaceous somewhat gneissic about 85° to core. Some narrow pegmatitic and lamprophyric sections; last several inches mica lamprophyre with some quartz fillings and pyrite							
168.3 215.0	Pegmatite Dike fair molybdenite and pyrite @ 169 scattered muscovite; minor local pyrite.							
215.0 222.8	Greywacke micaceous as above; lost core 217.4 - 220.9							
222.8 225.8	Mica Lamprophyre							
225.8 228.8	Greywacke micaceous, gneissic							
228.8 240.7	Pegmatite Dike muscovite mica, minor local pyrite							
240.7 243.0	Greywacke micaceous, gneissic							



DRILLED BY..... **Boyles Bros.**

SIGNED..... *Boyles Bros.*

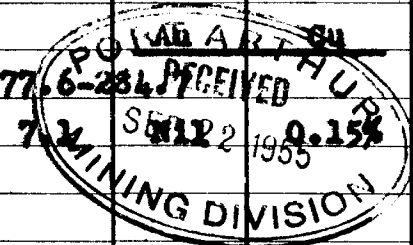
PROPERTY Beck Creek Group

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
243.0 244.6	Pegmatite Dike				
244.6 246.8	Diorite massive, fine grained				
246.8 251.4	Greywacke micaceous, somewhat gneissic				
251.4 253.3	Diorite fine grained; some narrow stringers of pyrite.				
253.3 260.8	Pegmatite local pyrite				
260.8 270.6	Greywacke micaceous gneissic as above				
<u>Zone</u> 270.6 274.6	Greywacke becoming silicified;				
<u>H.W.</u>	Mineralized				
274.6 275.9	Quartz about 30% pyrite				
	Mineralized				
275.9 277.7	Mica Lamprophyre? some pyrite near contact				
277.7 298.2	Quartz 10-25% pyrite in short nearly	99824	277.6-284.7		
	Mineralized sections and patches, mainly pyrite but local heavy pyrrhotite possible diorite 286.0-287.1 and 288.7-290.0				
298.2 322.8	Fault Zone Cores badly broken; apparently diorite and quartz to 303.5; pegmatite dike 307.0-313.3; quartz filled breccia 320.0-322.5; lost core 303.5-306.8 and 313.8-317.6				



DRILLED BY Boyles Bros.

SIGNED [Signature]

WRIGHT-HARGREAVES MINES, LIMITED

KIRKLAND LAKE, ONTARIO

HOLE NUMBER 7

PROPERTY Beak Creek Group

SHEET NUMBER 4

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. _____
 DEP. _____

STARTED _____

ELEVATION OF COLLAR _____

COMPLETED _____

DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
322.8 343.6	Quartz some narrow pegmatitic dikes; Mineralized 5-10% pyrite, minor pyrrhotite; narrow mud seam fault slip 331.8; loss core section 333.8-335.0				
343.6 362.3	Pegmatite Dike scattered muscovite; locally broken and brecciated; slight pyrite; 2" pyritized quartz at 357.8; lost core 353.6-356.0; 358.0-360.0				
Zone F.W. 362.3 385.0	Quartz 10-20% pyrite to 382.0 and nearly	99825	374	2.9	
	Mineralized massive pyrite with pyrrhotite to 385.0	99816			
385.0 395.1	Diorite fine grained; somewhat sheared and broken from 389.6 to 391.5; 4" of heavy pyrite at 388.7 in chloritic sheared section; lost core 393.2-393.6	99817	182.5 2.7		
395.1 408.5	Pegmatite scattered muscovite; minor local pyrite; lost core 398.4-399.1				
408.5	Greywacke? generally rather massive, micaceous though locally rather broken. Lost core 416.6-418.8 and 423.0-424.0 END OF HOLE 424 FEET				

RECEIVED
 SEP 22 1955
 MINING DIVISION

DRILLED BY Boyles Bros.

SIGNED [Signature]

WRIGHT-HARGREAVES MINES, LIMITED
KIRKLAND LAKE, ONTARIO

PROPERTY Beck Creek Group

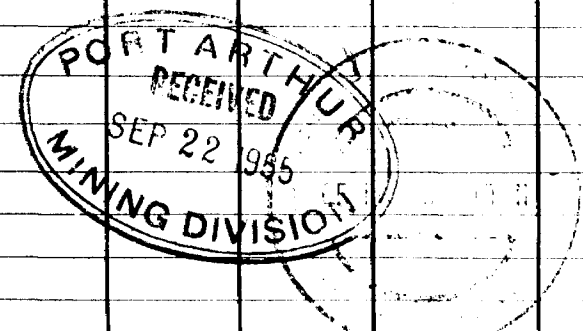
HOLE NUMBER 8
SHEET NUMBER 1
SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. 272' N. 50° E. from 782 N. on Base Line
 DEP. Claim #T.B. 46365
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING S. 50 W.
 DIP 0-50°; 338' - 38°

STARTED May 4th, 1955
 COMPLETED May 8th, 1955
 ULTIMATE DEPTH 375'
 PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 5.0	Casing				
5.0 31.8	Greywacke micaceous somewhat gneissic, local quartz stringers 80° to core; Lost core 12.6-13.6				
31.8 34.2	Mica Lamprophyre				
34.2 37.2	Greywacke As above				
37.2 46.5	Diorite? massive, medium grained, somewhat micaceous				
46.5 59.7	Greywacke micaceous, somewhat gneissic				
59.7 61.2	Mica Lamprophyre				
61.2 86.5	Greywacke some massive sections; chlorite biotite schist 71.5 - 72.2				
86.5 96.3	Mica Lamprophyre pegmatite dike from 93.3-93.8				
96.3 140.7	Greywacke gneissosity 85° to core				
140.7 165.6	Pegmatite scattered muscovite; local minor pyrite in patches 30° to core				
165.6 260.6	Greywacke 4" quartz vein at 168; 10" pegmatite dike at 169; some narrow mica lamprophyre dikes; micaceous generally gneissic but locally massive Lost core 197.7 - 199.4				



DRILLED BY Boyles Bros.

SIGNED [Signature]

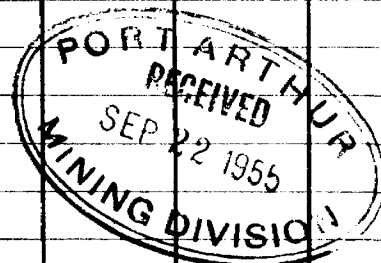
PROPERTY **Beck Creek Group**

DIAMOND DRILL RECORD

LOCATION: LAT.....
 DEP.....
 ELEVATION OF COLLAR.....
 DATUM.....
 DIRECTION AT START: BEARING.....
 DIP.....

STARTED.....
 COMPLETED.....
 ULTIMATE DEPTH.....
 PROPOSED DEPTH.....

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$		Sludge Gold \$
				Au	Cu	
165.6 260.6	Greywacke (Contd.) 7" pegmatite dike with muscovite at 240.9					
260.6 266.2	Greywacke micaceous but becoming Mineralized silicified; 2-3% pyrite					
266.2 271.1	Sulphides nearly massive sulphides; leached; pyrite mainly but some brittle steely metallic; greywacke micaceous minor pyrite 267.6 - 268.2	99826	266.2-271.1	4.9	Nil	0.15%
271.1 284.0	Greywacke micaceous, rather massive					
284.0 285.6	Granodiorite quartz biotite gneiss; contact 45° to core.					
285.6 291.4	Greywacke micaceous rather massive					
291.4 293.0	Sulphides highly leached, mainly pyrite but some quartz					
293.0 326.6	Greywacke generally rather massive, micaceous locally somewhat gneissic; Lost core 315.6 - 316.5					
326.6 333.9	Greywacke badly broken some mud seams and schist, possible fault zone.					
333.9 347.9	Trap Dike or Diorite fine grained massive basic dike					



DRILLED BY **Boyles Bros.**

SIGNED *George J. Willis*

WRIGHT-HARGREAVES MINES, LIMITED

KIRKLAND LAKE, ONTARIO

PROPERTY Book Creek Group

HOLE NUMBER 8

SHEET NUMBER 3

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____

COMPLETED _____

ULTIMATE DEPTH _____

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
333.9 347.9	Trap Dike (Con'd.) 5" micaceous greywacke at 342; Lost core 345.3-346.8				
347.9 370.4	Pegmatite scattered muscovite 30-35° to core. Lost core 355.6-357.7				
370.4 375.0	Trap Dike 4" of greywacke on contact remainder trap dike material badly broken. Lost core 371.0 - 372.4				
END OF HOLE - 375 FEET					



DRILLED BY Boyles Bros.

SIGNED *Henry J. Miller*

WRIGHT-HARGREAVES MINES, LIMITED

KIRKLAND LAKE, ONTARIO

HOLE NUMBER 9

SHEET NUMBER 1

SECTION FROM _____ TO _____

PROPERTY Beak Creek Group

DIAMOND DRILL RECORD

LOCATION: LAT. 272 N. 50 E. from 782 N. on Base Line
 DEP. Claim #T. B. 46365

STARTED May 9th, 1955

ELEVATION OF COLLAR _____

COMPLETED May 12th, 1955

DATUM _____

ULTIMATE DEPTH 494 Feet

DIRECTION AT START: BEARING S. 50 W.
 DIP 0 - 75°; 494 - 43°

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 6.0	Casing				
6.0 96.3	Greywacke micaceous and somewhat gneissic 50° to core lowering to 45° to core; so narrow sections biotite chlorite schist; local parallel quartz stringer; becoming more massive from about 60-75' with minor disseminated pyrite; pegmatite from 63.3-63.7, 70.7-72.0, 72.8-74.4; broken and sheared with some quartz fillings from 75.0 - 78.5.				
96.3 98.6	Pegmatite Dike with muscovite.				
98.6 106.9	Greywacke micaceous and somewhat gneissic as above; lost core 99.0 - 101.7				
106.9 109.0	Pegmatitic quartz				
109.0 114.4	Greywacke as above				
114.4 122.5	Pegmatite scattered muscovite, local pyrite clusters.				
122.5 223.7	Greywacke as above; core angle steepening to 70°, locally sheared at 20° to core; occasional narrow mica lamprophyre dike.				

PORT ARTHUR RECEIVED
 SEP 22 1955
 MINING DIVISION
 PROFESSIONAL MINING
 GEORGE H. GALTEN

DRILLED BY Boyles Bros.

SIGNED George H. Galten

WRIGHT-HARGREAVES MINES, LIMITED

KIRKLAND LAKE, ONTARIO

PROPERTY Beck Creek Group

HOLE NUMBER 9

SHEET NUMBER 2

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING _____
 DIP _____

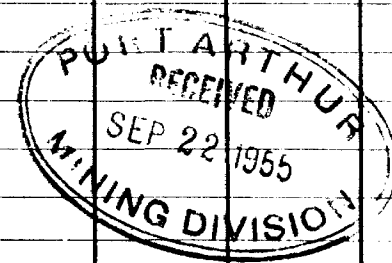
STARTED _____

COMPLETED _____

ULTIMATE DEPTH _____

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
223.7 231.7	Trap Dike chilled contacts at 75° to core				
231.7 258.8	Greywacke micaceous somewhat gneissic as above, some massive sections.				
258.8 268.1	Pegmatite some high quartz section, scattered muscovite, some local pyrite.				
268.1 293.0	Greywacke gneissic as above minor local pyrite; lost core 280.0 - 282.3				
293.0 301.4	Greywacke sheared and broken, chloritic; very (Fault Zone) local heavy pyrite; <u>lost core 296.1 - 298.0</u>				
301.4 449.6	Greywacke somewhat gneissic coarse grained; locally sheared and broken; local minor pyrite with 3" silicified fair pyrite at 327.8; lost core 342.3 - 344.8; silicified 356.0 - 358.5 and 368.5 - 369.5 with slight to minor pyrite; lost core 273.2 - 375.0 4" pegmatite at 381.8 and 8" pegmatite at 398.0; lost core 378.0 - 379.5; 7" pegmatite at 405.0; some silicification and quartz fillings 425.4 - 431.0; lost core 442.8-443.3				



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SIGNED [Signature]

PROPERTY Beck Creek Group

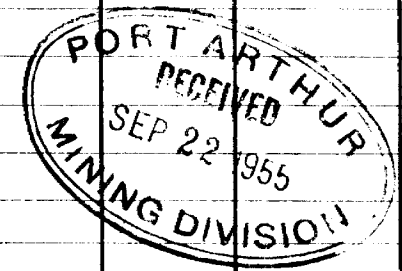
HOLE NUMBER 9
SHEET NUMBER 3
SECTION FROM..... TO.....

DIAMOND DRILL RECORD

LOCATION: LAT.....
DEP.....
ELEVATION OF COLLAR.....
DATUM.....
DIRECTION AT START: BEARING.....
DIP.....

STARTED.....
COMPLETED.....
ULTIMATE DEPTH.....
PROPOSED DEPTH.....

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
301.4 469.6	Greywacke (Con'd.) and 443.8 - 446.5 somewhat broken from 455.0; lost core 455.0 - 456.3 and 465.0 - 469.8; 466.7 - 467.5.				
469.6 482.6	Pegmatite Dike local high quartz; minor scattered pyrite.				
482.6 494.0	Greywacke micaceous as above.				
END OF HOLE - 494 FEET					



DRILLED BY Boyles Bros.

SIGNED [Signature]

WRIGHT-HARGREAVES MINES, LIMITED

HOLE NUMBER 10

PROPERTY Beck Creek Group

KIRKLAND LAKE, ONTARIO

SHEET NUMBER 1

DIAMOND DRILL RECORD

SECTION FROM _____ TO _____

LOCATION: LAT. 8' S. 50 W. from 421 South on Base Line
 DEP. Claim #T.B. 46369

STARTED May 13th, 1955

ELEVATION OF COLLAR _____

COMPLETED May 15th, 1955

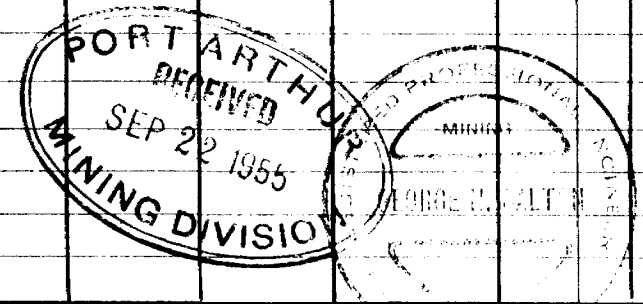
DATUM _____

ULTIMATE DEPTH 457 Feet

DIRECTION AT START: BEARING S. 50 W.
 DIP 6' - 50°; 457 - 34°

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 7.8	Casing				
7.8 38.0	Greywacke micaceous somewhat gneissic; some quartz stringers 65° to core; 3" quartz vein 20° to core at 37'; lost core 20.5-21.4 and 27.9-28.8				
38.0 42.5	Mica Lamprophyre biotite, chlorite rock somewhat sheared.				
42.5 148.3	Greywacke generally rather massive; some silicification, minor quartz and pyrite 51.5-54.0; becoming more banded with quartz stringers at 80' to core from 76'; some coarser grained more gneissic sections from 135.				
148.3 154.8	Pegmatite Dike				
154.8 189.0	Greywacke micaceous as above somewhat coarse grained and gneissic to 157; 4" trap dike at 167.3.				
189.0 198.4	Pegmatite scattered muscovite crystals; some local pyrite; lost core 185.5-187.5				
198.4 201.3	Greywacke as above				



DRILLED BY Boyles Bros.

SIGNED [Signature]

PROPERTY Beck Creek Group

WRIGHT-HARGREAVES MINES, LIMITED

KIRKLAND 1141, ONTARIO

HOLE NUMBER 10

SHEET NUMBER 2

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____

COMPLETED _____

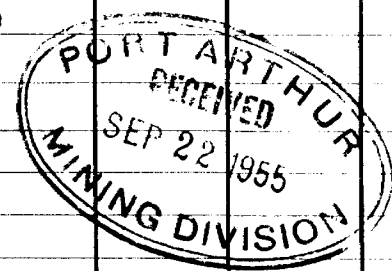
ULTIMATE DEPTH _____

PROPOSED DEPTH _____

**Zone
H.W.**

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
201.3 214.1	Greywacke becoming silicified local minor Mineralized pyrite and quartz fillings; pegmatitic quartz 208.3-210 some pyrite			Au	Cu
214.1 226.1	Quartz 5-10% sulphides in heavy patches Mineralized some narrow silicified inclusions	99827	214.1-220 5.9	220 Nil	0.10%
226.1 345.8	Greywacke silicified, some narrow quartz veins Mineralized 5-10% pyrite as patches, streaks and disseminations to 261.5; less silicification and increasingly less pyrite from 261.5 to 274.0; core somewhat broken; lost core 264.0-265.6; 268.0-269.0; from 274.0 variable pyrite 1-3%, rather less silicification occasional narrow quartz veins; mica lamprophyre 304-305.5; somewhat unmineralized dioritic section				
345.8 359.4	Greywacke? somewhat sheared and broken carbonated and quartz filled may be in part intrusive diorite				

**Zone
F.W.**



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SIGNED [Signature]

PROPERTY Beak Creek Group

WRIGHT-HARGREAVES MINES, LIMITED
KIRKLAND LAKE, ONTARIO

HOLE NUMBER 10

SHEET NUMBER 3

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
DEP. _____

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING _____
DIP _____

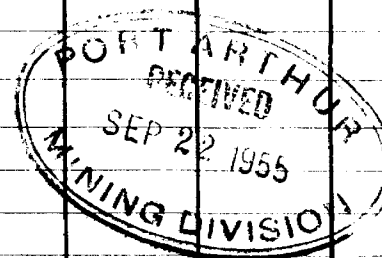
STARTED _____

COMPLETED _____

ULTIMATE DEPTH _____

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$			
359.4 391.0	Pegmatite scattered muscovite and sericite lost core 360.4-361.4 and 371-372 some fine grained aplitic sections last 2 feet brecciated and broken							
391.0 400.8	Greywacke? maybe diorite in part, rather (Fault Zone?) sheared and broken, carbonated and locally silicified; local fair pyrite in streaks; lost core 395-395.6							
400.8 410.0	Trap dike fine grained chilled edges low angle to core							
410.0 424.0	Pegmatite scattered muscovite slight local pyrite and molybdenite							
424.0 457	Argillites? fine grained generally rather massive, micaceous; somewhat chloritic and sheared to 425; minor local pyrite. END OF HOLES 457 FEET							



DRILLED BY Boyles Bros.

SIGNED _____

WRIGHT-HARGREAVES MINES, LIMITED

KIRKLAND LAKE, ONTARIO

HOLE NUMBER 11

SHEET NUMBER 1

SECTION FROM _____ TO _____

PROPERTY Book Creek Group

DIAMOND DRILL RECORD

LOCATION: LAT. 8' S. 50 W. from 421' South on Base Line
 DEP. Claim #T. B. 46369

ELEVATION OF COLLAR _____

DATUM _____

DIRECTION AT START: BEARING S. 50 W.
 DIP 0 - 75; 366 - 39°

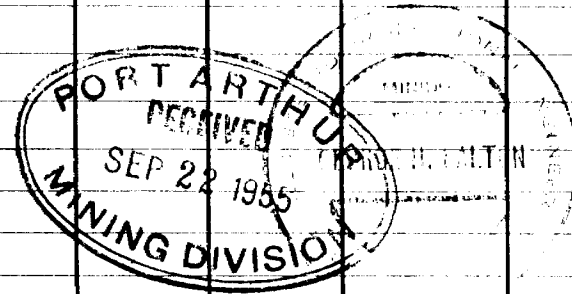
STARTED May 16th, 1955.

COMPLETED May 18th, 1955

ULTIMATE DEPTH 366

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 5.0	Casing				
5.0 116.6	Greywacke micaceous, generally rather massive but locally banded 45° to core; some silicification from 59.5-63.0; very local pyrite in quartz; lost core 107.7 - 109.6				
116.6 124.0	Pegmatite dike with muscovite.				
124.0 148.7	Greywacke micaceous, generally rather massive, but locally gneissic with quartz stringers at 75° to core.				
148.7 152.0	Mica Lamprophyre				
152.0 163.2	Greywacke as above				
163.2 168.3	Pegmatite high quartz, slight local pyrite and molybdenite.				
168.3 206.2	Diorite? fine grained, slight local disseminated pyrite, locally micaceous and banded may be in part greywacke; 179.5-180.5 quartz filled leached breccia.				
206.2 210.2	Pegmatite scattered muscovite, contact 65° to core; lost core 206.7-208.0				



DRILLED BY Boyles Bros.

SIGNED [Signature]

PROPERTY Book Creek Group

WRIGHT-HARGREAVES MINES, LIMITED
KIRKLAND LAKE, ONTARIO

HOLE NUMBER 11

SHEET NUMBER 2

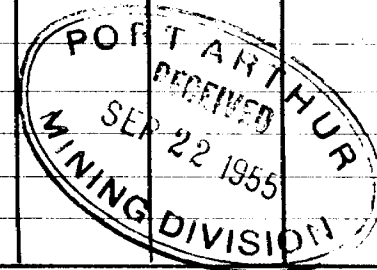
SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
DEP. _____
ELEVATION OF COLLAR _____
DATUM _____
DIRECTION AT START: BEARING _____
DIP _____

STARTED _____
COMPLETED _____
ULTIMATE DEPTH _____
PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$		
210.2 232.6	Greywacke? micaceous rather gneissic scattered quartz, stringers and patches, somewhat brecciated; 223.3-225.0 chloritic and schistose; generally micaceous may be in part diorite.						
Zone H. W. 232.6 251.1	Quartz	99828	233.9-241.3				
	Mineralized		7.4	Nil	0.15%		
		241.3-242.3; about 30% sulphides mainly pyrite but local heavy pyrrhotite and very local molybdenite in heavy patches streaks and disseminations.	99829	242.4-248.5			
			6.1	Nil	0.15%		
251.1 356.2	Greywacke silicified some quartz fillings to 270.0; 5-10% pyrite; from 289 pyrite decreasing to 2-5%; 321.4-322.2 mica lamprophyre; pyrite decreasing to local minor at end; 335.7-336.5 diorite. Lost core 343.3-343.9, 349.0-351.0, 352.0-353.0, 353.3-356.0	99830	262.2-267.8				
	Mineralized		5.6	Nil			



DRILLED BY Boyles Bros.

SIGNED [Signature]

PROPERTY Beck Creek Group

DIAMOND DRILL RECORD

LOCATION: LAT. 82' S.E. from 875' SW on Line A.
DEP. Claim #T. B. 46367
ELEVATION OF COLLAR _____
DATUM _____
DIRECTION AT START: BEARING S. 50 W.
DIP 0 - 45°; 398' - 34°

STARTED May 19th, 1955.
COMPLETED May 21st, 1955.
ULTIMATE DEPTH 398
PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
0 13.2	Casing				
13.2 15.8	Fault Zone broken and brecciated greywacke with quartz filling showing amethyst crystallization				
15.8 36.8	Greywacke paragneiss at fault zone grading to gneissic, highly micaceous greywacke, bedding 80° to core scattered flecks of pyrite; qtz. filled brecciated zone shows fleck of molybdenite at 20.0-21.1; chloritic fracture zone 29.4-30.0				
36.8 38.2	Biotite Lamprophyre schistose at contact				
38.2 47.8	Greywacke highly micaceous and gneissic at contact; several narrow qtz. veins at 75° to core some carrying minor pyrite in specks.				
47.8 52.3	Biotite Lamprophyre includes some greywacke brecciated zone 51.0-51.7				
52.3 61.9	Diorite? fine grained, generally massive, minor pyrite in flecks; (brecciated zone qtz. filled 61.9-63.1) mica lamprophyre at contact.				

RECEIVED
MINING DIVISION
SEP 22 1955
GEORGE H. SALTON

DRILLED BY Boyles Bros.

SIGNED M. J. Holmes

PROPERTY Back Creek Group

WRIGHT-HARGREAVES MINES, LIMITED
KIRKLAND LAKE, ONTARIO

HOLE NUMBER 12

SHEET NUMBER 2

SECTION FROM..... TO.....

DIAMOND DRILL RECORD

LOCATION: LAT.....
DEP.....

ELEVATION OF COLLAR.....

DATUM.....

DIRECTION AT START: BEARING.....
DIP.....

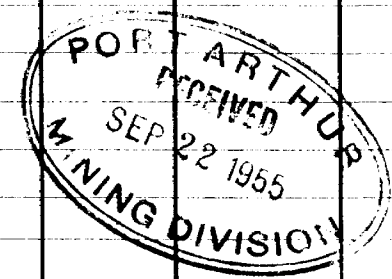
STARTED.....

COMPLETED.....

ULTIMATE DEPTH.....

PROPOSED DEPTH.....

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$			
61.9 124.0	Greywacke fine grained well-bedded gneissio, lightly silicified, numerous narrow and parallel qtz.veins containing minor pyrite as patches and stringers; at 101.5 slight leaching of qtz.left yellow stain, possible molybdenite; numerous minute slips contain thin plating or flakes of pyrite. Lost core 120.0-121.9							
124.0 125.7	Trap Dike pyrite plates in slips as above (probably chilled diorite).							
125.7 173.8	Diorite dike grades into fine grained diorite which becomes coarse grained around 138; similar slips as above become chloritic and without pyrite; core broken and some ground 127.1-148.0 very minor pyrite in fine chloritized slip at 156.5; grain size decreasing. Lost core 127.4-129.4, 131.1-135.0, 153.5-155.0 and 169.1-172.0.							
173.8 176.2	Trap Dike Sheared by same slip movement as above; contact ground or lost.							



DRILLED BY Boyles Bros.

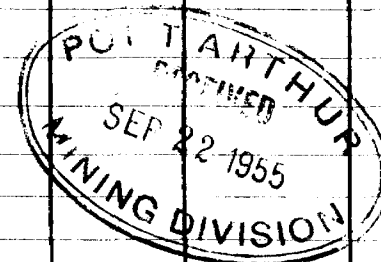
SIGNED N. L. Holmes

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____
 ELEVATION OF COLLAR _____
 DATUM _____
 DIRECTION AT START: BEARING _____
 DIP _____

STARTED _____
 COMPLETED _____
 ULTIMATE DEPTH _____
 PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
176.2 233.5	<p>Greywacke fine grained well-bedded, highly micaceous; a few flakes of pyrite in quartz filled slips as above; 192 - fine grained 2" pegmatite stringer; numerous quartz bands and narrow silicified zones 200-233; apparently in bedding 6" mica schist at 206.5; lost core 176.2-177.5, 179.2-181.6, 188.4-189.3 & 215.4-216.8</p>				
233.5 241.5	<p>Paragneiss extremely gneissic, contorted qtz. fillings in bedding.</p>				
241.5 261.3	<p>Greywacke gneissic, micaceous as above, occasional narrow qtz. stringer; pegmatite dikelet at 249.4; fleck molybdenite and minor pyrite in quartz at 250.6</p>				
261.3 267.0	<p>Pegmatite? sugary texture, contains tourmaline? and some muscovite; fair showing of molybdenite in patches; from 262.4 becomes highly gneissic in texture with 40% muscovite $\frac{1}{2}$" mica schist at 266.2</p>				



DRILLED BY Boyles Bros.

SIGNED H. C. Holmes

PROPERTY Beck Creek Group

HOLE NUMBER 12

SHEET NUMBER 4

SECTION FROM _____ TO _____

DIAMOND DRILL RECORD

LOCATION: LAT. _____
 DEP. _____

STARTED _____

ELEVATION OF COLLAR _____

COMPLETED _____

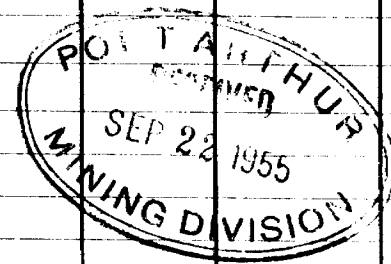
DATUM _____

ULTIMATE DEPTH _____

DIRECTION AT START: BEARING _____
 DIP _____

PROPOSED DEPTH _____

Depth Feet	FORMATION	Sample No.	Width of Sample	Gold \$	Sludge Gold \$
267.0 398.0	<p>Graywacke fine grained, micaceous occasionally grading to paragneiss, numerous qtz. stringers along bedding at 85° to core, slips as above chloritized with some minor pyrite, also near end occasional quartz vein with serpentine? carrying specks of pyrite; some quartz? veins containing high % coarse grained and highly lineated muscovite; chlorite biotite schist 306.1-307.2 and 336.7-337.5; pegmatite? containing scattered flecks of pyrite 360.1-361.6 and 365.0-365.3; core broken and ground in chloritized zone 397.5-398.0; lost core 281.1-283.1, 332.4-332.8.</p> <p>END OF HOLE - 398 FEET</p>				



DRILLED BY Boyles Bros.

SIGNED W. J. Holmes