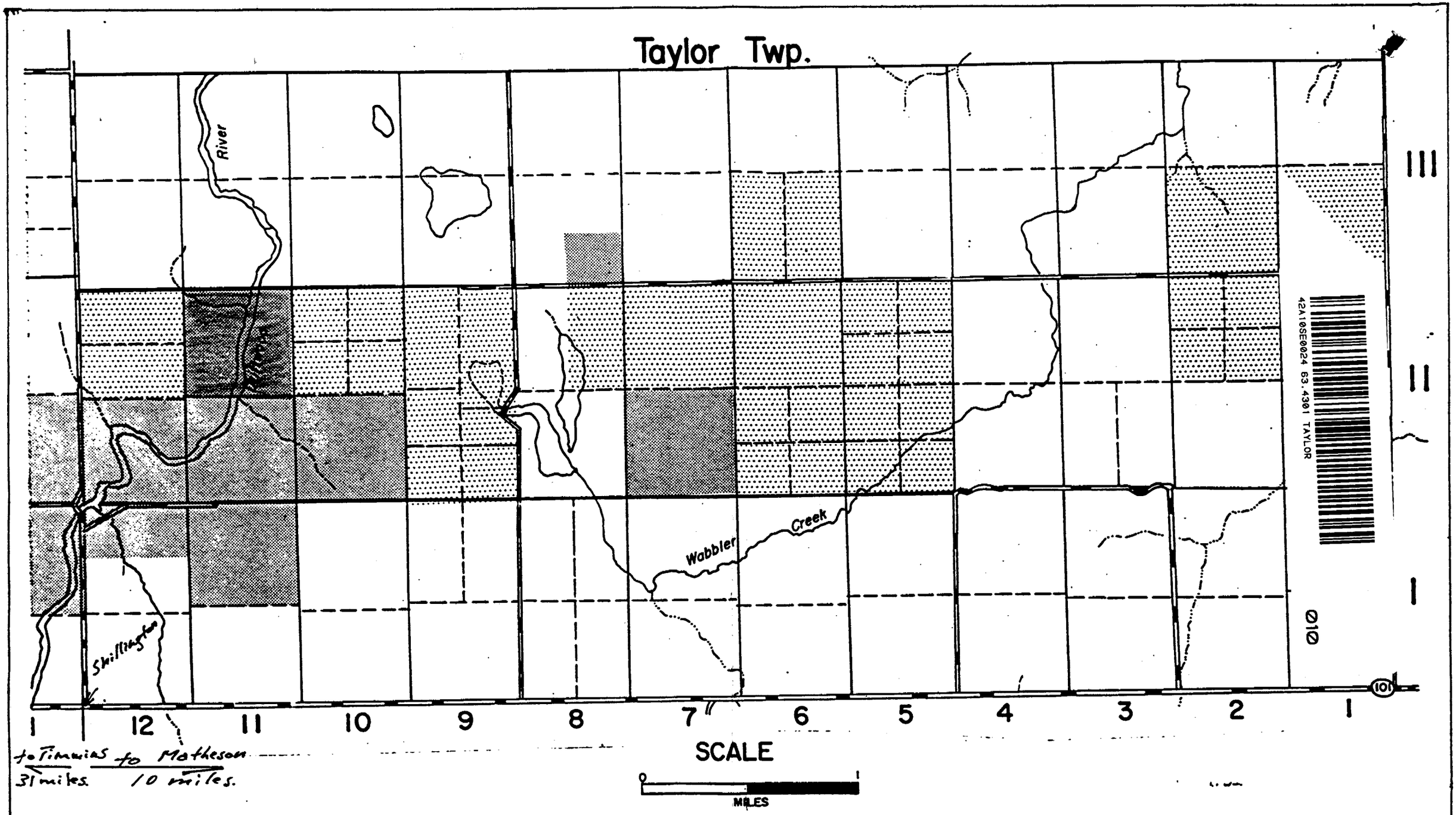
Taylor Twp.
River
Wabbler Creek
Shillington
1
12
11
10
9
8
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1
III
II
I
101
010
42A10SE0024 63.4301 TAYLOR
to Timmins 31 miles
to Matheson 10 miles.
SCALE
0
1
MILES

PRECAMBRIAN
PROTEROZOIC

MATACHEWAN

O — Quartz Diabase

ALGOMAN

N — Acid Intrusive Rocks: Granite (1); Syenite (2); Monzonite (3); Granodiorite (4); Felsite (5); Aplite (6); Pegmatite (7); Porphyry (8); Quartz Monzonite (9); Granophyre (10); Quartz-Carbonate Schist (11); Nordmarkite (12); Alaskite (13); Granite Gneiss (14).

L — Intermediate Intrusive Rocks: Diorite (1); Quartz Diorite (Tonalite) (2); Quartz Gabbro (3).

M — Basic Intrusive Rocks: Gabbro (1); Diabase (2); Norite (3); Anorthositic Gabbro (4); Anorthosite (5); Hornblende Gabbro (6); Troctolite (7); Essexite (8).

K — Ultrabasic Intrusive Rocks: Hornblendite (1); Pyroxenite (2); Peridotite (3); Serpentinite (4); Dunite (5); Lamprophyre (6); Talc-Carbonate Schist (7); Kimberlite (8).
(Add 'f' if these rocks are thought to be extrusive.)

HIGHLY METAMORPHOSED ROCKS of UNCERTAIN ORIGIN

J — Carbonate Zone (1); Carbonatite (2); Fenite (3); Nepheline and Alkalic Syenite (4); Calc-Silicate Rocks (5); Skarn (6).

IN — Kapuskasing Granulite Complex: Granulite Facies Metasediments (1); Metavolcanics (2); Granite (3).

I — Hornblende Schist (1); Biotite Schist (2); Chlorite Schist (3); Sericite Schist (4); Talc Schist (5); Amphibolite (6); Gneisses (7); Hornfels (8); Tremolite-Actinolite Schist (9).

ARCHEAN

TIMISKAMING

H — Greywacke (1); Slate (2); Arkose (3) Quartzite (4); Siltstone (5); Argillite (6); and derived metamorphic varieties.

G — Conglomerate (1); Iron Formation (2)

KEEWATIN

Sedimentary Rocks

F — Greywacke (1); Slate (2); Arkose (3); Quartzite (4); Siltstone (5); Argillite (6); Conglomerate (7); and derived metamorphic varieties.

E — Banded Siliceous Iron Formation

Volcanic Rocks

D — Acidic Flows and Pyroclastics: Rhyolite and Rhyodacite (1); Trachyte (2); Quartz-Sericite Schist (3); Sericite or Sericite-Chlorite Schist (4); Rhyolite Intrusive? (5); Quartz-Sericite-Carbonate Schist (6).

C — Intermediate Flows and Pyroclastics: Dacite (1); Sericite-Chlorite Schist (2); Talc Schist (3); Dacite Intrusive? (4); Latite (5)

B — Massive Basic Flow Rocks which may in part be sill-like basic intrusives.

A — Basic Volcanics: Basalt (1); Andesite (2); Chlorite Schist (3); Talc Schist (4); Hornblende Schist (5); Saussurite Schist (6); Actinolite Schist (7); Komatiite (8); Biotite Schist (9).

Lakes; Rivers

ABBREVIATIONS:

(a) Agglomerate
(alt) Highly Altered
(amg) Amygdaloidal
(arg) Argillite
(ark) Arkosic
(bl) bleached
(bx) Breccia
(cc) Carbonatized
(ch) Cherty
(chl) Chloritic
(cp) Chalcopyrite
(cg) Conglomerate
(con) Continential
(dis) Distal
(dol) Dolomite
(fel) Felsic
(fm) Formation
(Δ) Fragmental
(g) Gneissic
(gf) Graphitic
(gn) Galena
(GRT) Graphitic Tuff
(gwk) Greywacke
(if) Iron Formation
(lmst) Limestone
(lx) Leucoxene
(lt) Lapilli Tuff
(maf) Mafic
(mr) Marine
(p) Pillowed
(po) Pyrrhotite
(por) Porphyritic
(py) Pyrite
(prx) Proximal

(qp) Quartz Porphyry
(qv) Quartz Vein
(qzt) Quartzite
(R) Radioactive
(rb) Red-bed
(rgh) Regolith
(s) Sulphide
(serp) Serpentinized
(sil) Silicified
(sp) Spherulitic
(sph) Sphalerite
(spx) Spinifex
(ss) Sandstone
(slt) Siltstone
(sl) Slate
(sh) Shale
(sk) Skarn
(t) Tuff
(v) Variolitic
(w) Welded
(xbd) Crossbedded
(xstl) Crystal

#63.4301

PROPERTY Lot 11, Conc II; Taylor Twp. Ont. (Timmins Area). PAGE 1

LOCATION Line 6 + 00W; 6 + 10N BEARING 360 deg HOLE NO. QS-79

LOGGED BY O. Zavesiczky ELEVATION Surface DIP -52deg FINAL DEPTH 851.0'

STARTED July 15, 1983 TESTS (CORRECTED) 125.0' : -53deg

FINISHED July 22, 1983: hole abandoned due to rods seizing in the hole 321.0' : -51deg
525.0" : -50deg
725.0' : -50deg

CASING blasted & pulled out; 15' of casing lost at 6 + 00N

CORE SIZE BQ: Dominik Diamond Drilling Ltd. from Timmins

FROM	TO	DESCRIPTION
0.0	120.0'	Overburden: 0 - 70' sand & clay 70 - 85 Boulders 85 -114 Sand & clay 114 -120 Boulders
120.0	126.0'	Lost Core: ground in casing & emplacement
126.0'	146.5'	Greywacke: light grey, f. gr., hard to medium, brecciated yet indurate, local siliceous lapilli frags., vague relief slump structures & bedding, 10-15% pervasive silicification, 10% intermittent qtz - carb. veinlets at generally high to moderate angles to CA., tr. fine. py.
146.5'	166.0'	Chloritized & Carbonatized Ultramafic: black, messy in appearence due to white carbonate veinlets & crystal clusters, 25% carbonatization, 15% qtz - carbonate veinlets at high to moderate angles to CA, soft, slightly talcose, minor intermittent coarse py, aggregrates, minor fuchsite locally assoc'd with qtz - carb. veinlets, brecciatal but indurate, slightly magnetic locally, fine grained
166.0	186.3'	Diorite Dyke: 10% white qtz - carb. beinlets at high angles to CA, dark grey, med. gr., somewhat fresh-looking, contacts appear to be at high angles to CA, 5% finely diss'd, magnetite, fine specks of py, fuchsite locally.
167.0	179.5'	2 - 4% scattered py aggregates
179.5	182.0'	7% scattered py aggregates

HOLE NO. QS-79

DOCKET NO. 8608

OM83-6-C-47

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-79

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
186.3	258.8'	Fault Zone,: Ultramafic essentially the same rock type as above but with more chlorite talc & serpentine, core is brecciated and broken up with numerous gougy intervals, shearing generally at moderate angles, 10 - 15% qtz-curb veinlets at low to moderate angles to CA, specks py, intense chlorization on lower contact 214.0 - 216.0 : ground core 235.0 - 237.0 : " " 254.0 - 257.0 : " " overall core recovery is approximately 95%
258.8	280.4'	Quartz - Feldspar Dyke: pink, med. gr., very hard, 1 - 2% magnetic specks py, 3 - 5% hematite, sharp upper contact at 60° to CA, 277.0 - 280.4 : containing 15 - 20% mafic inclusions, 5 - 10% hematite, 3% fine pyrite.
280.4	313.6'	Diorite Dyke: Grey to dark grey, fine to medium grained, brecciated but indurate, hard, pervasive silicification, 25% white carb-veining at low angles to CA, veins are locally brecciated, 3 - 7% fine and coarse disseminated py, 5 - 10% disseminated magnetite

DOCKET NO. 8608

HOLE NO. QS-79

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-79

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
313.6	347.0'	Fault Zone in Chloritized Ultramafics: as above at 185.2', 326.0 - 337.0 : Fault Gouge approximately 33% core recovery overall.
347.0	415.0'	Chloritized & Carbonatized Ultramafic: as above at 146.5' 20% white carbonate in veinlets and patches, few intermittent, gougy joints & shearing at low to moderate angles to CA, very minor py, slightly magnetic 5 - 10% white qtz. veining generally at low angles to CA
415.0	451.1	Sericitized & Chloritized Tuff (Andesite): greenish-grey, fine-grained, soft, well laminated at 60 - 70° to CA, 25% white carbonate along bedding, laminae are brecciated and show slump structures locally, minor py.
451.1	514.6'	Sericitized & Carbonatized Felsic Tuff: pale greenish buff, fine grained, med. hard scratch, laminae and intermittent chloritized interbeds at high angles to CA, 5 - 10% white qtz. veinlets minor py, 467.0 - 471.5: Porphyry Vein: buff, hard, 5% rounded qtz. eyes, qtz. veining on contacts. 487.0 - 489.0: 10% green fuchsite alteration assoc'd with qtz. veining.

DOCKET NO. 8608

HOLE NO. QS-79

PROPERTY

PAGE

LOCATION _____ BEARING _____ HOLE NO. QS-79

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		504.0 - 505.0: Lost Core in joint
514.6	519.6	Grey Porphyry: (welded tuff?) grey, fine-grained, angular siliceous fragments in a siliceous matrix are visible under hand lense, hard, somewhat welded appearence, 10% qtz. veinlets at low angles to CA, 1 - 3% disseminated py, absence of distinct qtz. eyes.
519.6	561.5'	Fault Zone: core very broken up, intermittent gougy intervals 519.6 - 542.0': Grey Porphyry: as above 525 - 527.0': ground core 528 - 529.0': " " 531 - 533.0': " " 535 - 537.0': " " 540 - 541.0': " " 33% core recovery overall 542.0 - 561.5': Chloritized & Carbonatized Tuff (Andesite) resembles unit above at 415.0' contorted bedding, 33% white carbonate along bedding & in crystal clusters, approximately 95% core recovery.
561.5	595.0'	Grey Porphyry: as above, both contacts are broken up, 10 - 15% qtz-carb. veinlets at all angles to CA, no sulphides

DOCKET NO. 8608

HOLE NO. QB-79

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-79

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
595.0	681.0'	Fault Zone in Chloritized and Carbonatized Ultramafic/ Mafic sequence: colour varies from dark greenish-grey to black, f,gr., soft, locally speckled by up to 20% white carbonate crystals, 5% qtz.-carb veinlets at low angles to CA, numerous intermittent gougg broken up intervals, joint & slip angles are predominantly low to CA (0 - 30°) 595.0 - 597.0 : Ground Core 599.0 - 601.0 : " " 604.0 - 605.0 : " " 595.0 - 605.0 : approximately 40% core recovery 605.0 - 681.0 : " 90 - 95% " " lower contact is broken up
681.0	725.1'	Diabase Chill Margin: dark grey, massive, fine to med. gr., hard, few intermittent gtz.-carb; filled hairline fractures at various angles to CA, magnetic 684.6 - 685.9 : Chloritized & Carbonatized Ultramafic as above, contacts at 10 - 20° to CA 686.5 - 689.5 : broken core, approx. 90% core recovery

DOCKET NO. 8608

HOLE NO. QS-79

PROPERTY

PAGE

LOCATION _____ BEARING _____ HOLE NO. QS-79

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
725.1	851.0'	Diabase: darkegrey with greenish hue, speckled by 33% mafics, medium grained, tr. py., few intermittent qtz.-carb. veinlets at low angles to CA, upper contact in broken core, 20% pervasive chloritization, minor slips & fractures at low to moderate angles to CA, 10% magnetite crystals. 806.7 - 808.6: 40% white qtz. veining at 20 - 30° to CA 822.0 - 824.5: 25% qtz. veining as above 824.5 - 851.0: few intermittent intervals of broken core, core recovery is approx. 95% 847.8 - 851.0: broken core, slips at low angles to CA, 80% core recovery
	851.0	End of Hole

DOCKET NO. 8608

HOLE NO. QS-79

SAMPLE RECORD SHEET

PROPERTY–

QS-79 –HOLE NO.
7 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au (oz/t)					DESCRIPTIONS
8101	130.0	135.0	5.0	Tr.					Dacite Tuff: 10% qtz. veinlets rare specks py, test sample
8102	167.0	172.0	5.0	0.024					Diorite: 10% qtz vlts: 1-2% scattered py aggregates
8103	172.0	177.0	5.0	0.119					" " : 4% scattered py
8104	177.0	179.5	2.5	0.014					" " " "
8105	179.5	182.0	2.5	0.056					" " : 7% coarse py aggregates
8106	182.0	187.0	5.0	0.004					" " : Test sample specks py
8107	250.0	258.8	8.8	0.002					Fault Zone Chloritized Ultramafic: Test sample on porphyry contact: 254.0 - 257.0 ground core
8108	258.8	263.8	5.0	0.004					Qtz. Feld. Dyke: Test sample on contact specks py
8109	277.0	280.4	3.4	0.002					" " ": 3% fine py
8110	280.4	285.0	4.6	0.002					Diorite Dyke: 25% qtz-carb vlts. 3-7% diss py.
8111	285.0	290.0	5.0	0.010					" " : " " "
8112	290.0	295.0	5.0	0.050					" " " " "
8113	295.0	300.0	5.0	0.020					" " " " "
8114	300.0	305.0	5.0	0.010					" " " " "
8115	305.0	310.0	5.0	0.004					" " " " "
8116	310.0	313.6	3.6	0.002					" " " " "
8117	313.6	321.0	7.4	Tr.					Fault Zone: Chloritized Ultramafic ~~approx. 33% core recovery~~
8118	398.0	403.0	5.0	0.002					Chloritized Ultramafic: test sample 1% py

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-79 –HOLE NO.
8 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au (oz/t)					DESCRIPTIONS
8119	439	444	5.0	0.002					Ser'd & Chl'd Tuff: 25% qtz-carb vlts tr. py
8121	469	470	1.0	0.066					Ser'd Tuff: chlorite interbed with 3-5% fine py
8120	489	494	5.0	0.004					" " : 5-10% qtz. vlts tr. py
8127	505.0	509.6	4.6	0.010					" " : tr. py
8122	509.6	514.6	5.0	0.002					" " : 15-20% qtz. vlts tr. py
8123	514.6	519.6	5.0	0.004					Grey Porphyry: 1-3% diss. py.
8124	519.6	533.0	13.4	0.004					" " : 1-3% diss. py approx. 33% recovery
8125	533.0	542.0	9.0	0.002					" " " "
8126	542.0	547.0	5.0	Tr.					Chl'd & Carbon'd Tuff: tr. py
8128	574.3	579.3	5.0	0.002					Grey Porphyry: 10-15% qtz veinlets
8129	588.5	591.0	2.5	0.002					" " " " "
8130	597.0	603.0	6.0	Tr.					Fault Zone 40% core recovery 20% qtz-carb veining
8131	632.0	637.0	5.0	0.002					Carbon'd Ultramafic:
8132	676.0	681.0	5.0	Tr.					Chl'd Ultramafic: 5-10% qtz. Veining
8133	701.0	706.0	5.0	Tr.					Chill Margin: 3% qtz-carb. fracture filling
8134	742.0	745.0	5.0	0.002					Diabase: 3% qtz-carb. veinlets
8135	806.7	808.8	2.1	0.002					" : 40% qtz. veining
8136	822.0	824.5	2.5	Tr.					" : 25% qtz. veining
8137	846.7	851.0	4.3	0.002					" : 5% qtz. veining approx. 80% core recovery

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-79 –HOLE NO.
9 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
ADDITIONAL FILL - IN SAMPLING									
8161	126	130	4.0	0.004					Dac. Tuff: 10% qtz. vlts. Tr. fine py & cpy
8162	135	140	5.0	0.002					" " : " " "
8163	140	145	5.0	0.002					" " : " " "
8164	145	146.5	1.5	0.002					" " : " " "
8165	263.8	268.8	5.0	0.004					Qtz-Feld. Dyke: 1% py
8166	268.8	273.8	5.0	0.004					" " " : " "
8167	273.8	277.0	3.2	0.002					" " " : " "
8168	454.5	455.5	1.0	0.002					Ser'd Felsic Tuff: 1% py 33% qtz. veining
~~8269~~	474.0	~~479.0~~	~~5.0~~	~~0.002~~					" " " : Tr. py., por band
8270	668.0	670.0	2.0	Tr.					Ultramafic: 1-2% py.

FORM 8609

PROPERTY Lot 11, Conc. II; Taylor Twp. Ont. (Timmins Area)

LOCATION Line 6 + 00 W, +50 south BEARING 360 deg HOLE NO. QS-80

LOGGED BY O. Zavesicky ELEVATION Surface DIP -55 deg FINAL DEPTH 843.0'

STARTED July 27, 1983 TESTS (CORRECTED)

FINISHED August 4, 1983: hole couldn't be ~~continued due to fault~~ 140': 57 deg
340':-56 "
540':-56 "
740':-55 "

CASING 140.0' BW Lost in overburden

CORE SIZE BQ: Dominik Diamond Drilling Ltd., from Timmins

FROM	TO	DESCRIPTION
0.0'	136.0'	Overburden:
136.0	141.0'	Ground Core: in casing emplacement
141.0	267.5	White Porphyry: generally cream-grey in colour, aphanitic to f.gr., very hard; banding/bedding at low angles (0-30 deg) to CA, intermittent narrow carbonate & fuchsite altered intervals & also limonitic intervals; microfractured but annealed with qtz.-carb. filling; fuchsite, limonite and qtz.-carb. alteration in apparent shearing at generally moderate angles to CA; numerous intermittent broken up intervals with slight limonitic gouge on core fragments, fractures & slips at generally low angles to CA; minor py locally in microfractures, altered intervals may be altered andesite? 161.6-171.0': 33% green fuchsite banding at 40-60 deg. to CA & also disseminated, 5% limonite 193.0-198.0': Ground Core: 206.5-216.5': 33% limonitic banding at 30 deg to CA 10% fuchsite

DOCKET NO. 8608

HOLE NO. QS-80

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-80

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		234.6-238.6: 33% fuchsite, 5% limonite 263.0-267.5: " " " "
267.5	277.5'	Sheared Limonitic and Altered Zone: rusty grey, locally multicoloured, f. gr., strongly foliated at 30 deg. to CA, Fuchsite, hematite, limonite along shear planes, med-hard, microfractured with qtz.-carbonate filling, jointing at 10-30 deg. to CA, well carbonated, upper contact at 30 deg. to CA lower contact broken up., 1/2" displacement on microfractures locally,
277.5	415.6	Green (Fuchsite) Carbonate Zone: bright green with 33% white qtz.-carbonate veining at various angles to CA, both rock fabric & white qtz-carb veining is brecciated, locally fragments are rounded to subrounded and siliceous, original rock type is masked, 33% fuchsite 277.5 - 366.4 : intermittent limonitic zones at 30 - 40 deg. to CA, also intermittent fractured zones.

DOCKET NO. 8608

HOLE NO. QS-80

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-80

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		329.0 - 333.0 : lost core 410.0 - 145.6 : lithologically the same as the conglomerate below yet has green fuchsite alteration.
415.6	471.1'	Quartz-Breccia: (Quartz-Conglomerate?) ovoid to rectangular, rounded to subrounded white siliceous clasts ranging up to 2" across, set in a dark grey chloritized & sericitized schistose matrix, locally there are green fuchsite bearing intervals, foliation at moderate angles to CA, upper contact is broken up however there is a sharp colour change from green to grey-white, Tr. py some frags. appear to be fuchsitic. 444.0 - 471.1: taking on a pale greenish-yellow yellow cast due, to fuchsite and sericite alteration.
471.1	491.0	Greywacke or Dacite Tuff: grey, f. gr., med. hard to hard, conglomeratic locally, sharp upper contact at 55 deg. to CA, intermittent jointing at low to mod. angles to CA Tr. py., locally somewhat amygdular,

DOCKET NO. 8608

HOLE NO. QS-80

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-80

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
491.0	509.0	Altered Shear Zone: pale green, 50% white qtz.-carb. in contorted shearing & in boudinage structures, strong shearing at 50 deg. to CA, original rock type is masked however there are conglomerate fragments locally with argillaceous interbedding; combined chloritization & sericitization is approximately 50%; intermittent slightly gougy intervals with fracturing at low to moderate angles, lower contact is gradational & quite arbitrary,
509.0	551.1	Chloritized & Carbonatized Ultramafic: very similar to the rock immediately above but much more mafic as indicated by high degree of chloritization & serpentinigation, black-white, messey, 50% contorted qtz.-carbonate veining as above, jointing at low to moderate angles to CA, strong shearing at 40 - 50 deg. to CA.

DOCKET NO. 8608

HOLE NO. QS-80

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. OS-80

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
551.1	556.6	Grey Porphyry: light grey, fine grain, tuff frags are rounded to subrounded in siliegous matrix, very hard, microfractured but annealed, hairline-fractures are qtz.-carb. filled, fracturing at low to moderate-angles to CA upper contact at 50 deg.to CA, lower contact is broken up, 5-7% fine diss'd py.
556.6	569.8	Chloritized & Carbonatized Ultramafic: as above at 509.0'.
569.8	655.4	Chloritized Ultramafic: black with slight bluish cast, med. hard to soft, f. gr., 10-15% white qtz.-carb. in veins & amygdules, foliation at mod. angles to CA, veining at low to mod. angles, occasional cubic py aggregates, slightly talcose, very schistose. 611.7 - 612.1': Fault Gouge at 80-90 deg. to CA.

DOCKET NO. 8608

HOLE NO. OS-80

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-80

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
655.4	714.0'	Fault Zone (in ultramafic): same ultramafic as above but with numerous intermittent broken up and gougy intervals, slips & jointing at low to moderate angles to Ca, core recovery is approximately 90 - 95% 677.4 - 679.1': Quartz-Feldspar Porphyry Dyke light pinkish grey, med. gr., 1% fine py, 3% included mafic country rock, rare specks epy, contacts at 60 deg. to CA
714.0'	770.4'	Chloritized & Carbonatized Ultramafic: few gougy & broken up joints at low to moderate angles to CA
770.4'	772.7'	Lamprophyre Dyke: grey, speckled by 10% black mica, medium gr., contacts sharp at 65 deg. to CA, slight foliation at 25 deg. to CA.

DOCKET NO. 8608

HOLE NO. QS-80

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-80

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
772.7	827.0'	Chloritized & Carbonatized Ultramafic: as above but with very few joints.
827.0	843.0	Fault Zone (in ultramafic): cove extremely broken up & gougy, slips are subparallel to CA, gouge seams are at low to moderate angles to CA core recovery is approximately 80 - 90 %
	843.0'	End of Hole

DOCKET NO. 8608

HOLE NO. QS-80

SAMPLE RECORD SHEET

PROPERTY–

QS-80 –HOLE NO.
8 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8138	156.0	160.0	4.0	0.008					White Porphyry: 1% py along micro-fractures
8139	165.7	170.7	5.0	0.004					" " : 33% fuchsite, specks py.
8140	206.5	211.5	5.0	0.002					" " : 33% limonite
8141	234.0	239.0	5.0	0.002					" " : 33% fuchsite, specks py.
8142	266.5	271.5	5.0	0.002					Sheared Limonite Zone
8143	315.0	320.0	5.0	0.004					Green Carbonate Zone: 33% qtz. Veining tr. py.
8144	377.0	382.0	5.0	0.002					" " " "
8145	415.6	420.6	5.0	0.002					Qtz.-Breccia Contact Zone
8146	457.0	462.0	5.0	0.004					Fuchsite & Sericitic Breccia
8147	472.0	477.0	5.0	0.010					Greywacke
8148	504.0	509.0	5.0	0.002					Altered Shear Zone: 40% carbonate 10% qtz. veining
8149	546.1	551.1	5.0	0.002					Chl'd & Carbon'd Ultramafic: 50% qtz.-carb. vl
8150	551.1	556.6	5.5	0.012					Grey Porphyry: 5-7% diss'd py
8151	556.6	561.6	5.0	0.002					Chl'd & Carbon'd Ultramafic: 10-15% Qtz vlts.
8152	597.8	602.8	5.0	0.002					Chl'd Ultramafic: 2% scattered cubic py aggregates
8153	670.0	674.0	4.0	0.002					" " " "
8154	677.4	679.1	1.7	Tr.					Qtz. Feld. Por. : 1% diss'd py.
8155	693.7	698.0	4.3	Tr.					Chl'd Ultramafic: 25% qtz. veining
8156	698.0	703.0	5.0	0.002					" " : 2% scattered py in 15% qtz.-carb. vein

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-80 –HOLE NO.
10 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8183	239.0	244	5.0	0.002					Porphyry: 1% fine py
8184	244.0	249.0	5.0	0.002					" " " "
8185	249.0	254	5.0	0.002					" " " " & Limonitic
8186	254	259	5.0	0.004					" " " " "
8187	259	264	5.0	0.002					" : 1% fine py
8188	264.0	266.5	2.5	Tr.					Porphyry: Fuchsitic & Limonitic
8189	303.5	308.5	5.0	Tr.					Green Carb: Siliceous interval, limonitic
8190	308.5	315.0	6.5	0.002					" " : siliceous & Qtz-veined
8191	320.0	325.0	5.0	0.002					" " " & limonitic, tr. py.
8192	325.0	329.0	4.0	0.002					" " " ""
8193	333.0	338.0	5.0	0.002					" " " ""
8194	338.0	343	5.0	Tr.					" " " ""
8195	343.0	348	5.0	Tr.					" " " ""
8196	348.0	353.	5.0	0.002					" " : 15% qtz-veining
8197	420.8	425.6	5.0	0.002					Qtz-Breccia: specks py
8198	425.6	430.6	5.0	0.004					" " " "
8199	430.6	435.6	5.0	Tr.					" " " "
8200	435.6	440.6	5.0	0.002					" " " "

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-80 –HOLE NO.
9 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8157	762	767	5.0	Tr.					Chl'd & Carb'd Ultramafic: 10% qtz. veining
8158	770.4	772.7	2.3	Tr.					Lamprophyre Dyke
8159	775.8	776.8	1.0	0.002					Chl'd & Carb'd Ultramafic: qtz. veining 2% py.
8160	839.0	843.0	4.0	Tr.					Fault Zone: intensely sheared & gougy
ADDITIONAL FILL-IN SAMPLING									
8169	141.0	146	5.0	0.002					Porphyry: 1% fine py.
8170	146.0	156	10.0	0.004					" " "
8171	160.0	165.7	5.7	0.004					" " "
8172	170.7	175.7	5.0	0.002					" " "
8173	175.7	180.7	5.0	0.032					" " "
8174	180.7	185.7	5.0	0.004					" " "
8175	185.7	193.0	7.3	0.002					" " " : 60% core recovery
8176	198.0	203.0	5.0	0.002					Carb & Fuch interval
8177	203.0	206.5	3.5	Tr.					" " "
8178	211.5	216.5	5.0	0.002					" " "
8179	216.5	221.5	5.0	0.002					" " "
8180	221.5	226.5	5.0	0.002					" " "
8181	226.5	321.5	5.0	0.016					Porphyry: 1% py, tr. epy
8182	321.5	234.0	2.5	0.002					" " limonitic, 1% py

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-80 –HOLE NO.
11 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8201	440.6	445.6	5.0	Tr.					Qtz-Breccia: specks py
8202	445.6	450.6	5.0	0.002					" " " "
8203	450.6	457.0	6.4	Tr.					" " " "
8204	462.0	467.0	5.0	Tr.					" " " "
8205	467.0	472.0	5.0	0.002					" " " "
8206	477.0	482.0	5.0	0.002					Grey Porphyry specks py.
8207	482.0	487.0	5.0	0.016					" " " "
8208	487.0	491.0	4.0	0.004					" " " "
8209	491.0	496.0	5.0	0.004					Al'd Shear Zone:
8210	497.0	501.0	5.0	0.002					" " "
8211	501.0	504.0	3.0	0.002					" " "

FORM 8609

PROPERTY Lot 11, Conc. II; Taylor Twp. Ont. (Timmins Area) PAGE 1

LOCATION Line 2 + ooW, 6 + 00N BEARING 360 deg. HOLE NO. QS-81

LOGGED BY O. Zavesiczky ELEVATION Surface DIP -55 deg FINAL DEPTH 869.0'

STARTED August 15, 1983 TESTS (CORRECTED)

FINISHED August 20, 1983 Hole abandoned due to caving

133': -54 deg
330': -53 deg
540': -53 deg

CASING All casing pulled

CORE SIZE BQ: Dominik Diamond Drilling Ltd. (from Timmins)

FROM	TO	DESCRIPTION
0.0	130.0'	Overburden: 0-65' : Sand & Clay 65-130': boulders; making water at 70' to 100'
130.0	134.7'	Lost Core: (casing emplacement)
134.7	322.5'	Limonitic Green Carbonate Zone: emerald green with frequent rusty limonitic intervals, brecciated but indurate, 50% white qtz.-carb filling trending at low angles to core axis, 5% hematite, limonite banding at low to 40 deg to CA, 33% fuchsite, rare specks of py, original rock type is completely masked by alteration, 135.0 -137.8 : cement, bedrock interface had to be cemented, 137.8 - 193.0 : intermittent low-angle gougy & rusty joints, approx. 95% core recovery, 224.0 - 234.0 : as above 304.0 - 307.0 : " "

DOCKET NO. 8608

HOLE NO. QS-81

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-81

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
322.5	341.0	**Chloritized Quartz Breccia:** dark grey to black, soft to medium hard, banding/ bedding is at at 50-60 deg to CA & is brecciated & boudinaged very schistose, possibly slightly graphitic, frequent low angle fractures, few white qtz-carbonate veinlets parallel to bedding likewise bre-ciated & boudinaged, matrix is f. gr., minor fine gr. py. smears on schistocity locally, lower contact is gradational, locally there are rounded siliceous frags. up to 1" across.
341.0	417.2'	**Massive Greywacke:** grey to light grey with slight yellowish cast due to sericitization, medium hard, numerous qtz-carb filled hairline fractures at low to moderate angles to CA, aphanitic, fine diss'd py locally & minor f. gr. py smears on slip surfaces, minute black shards, chloritic interbeds, both blue & white qtz. filled tension cracks, 360.0 - 381.0: Fault Zone: core very broken up with gougy jointing at predominatly low angles to CA,

DOCKET NO. 8608

HOLE NO. QS-81

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-81

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		approximately 50% core recovery 365.0 - 367.0 : Ground Core 373.0 - 377.0 : " " 378.0 - 379.0 : " " 382.0 - 383.0 : ground core 397.0 - 405.6 : broken up by low & moderate angle jointing, approximately 10% core recovery
417.2	443.0'	Brecciated Quartz-Carbonate Zone: pale yellowish-cream coloured, with 10% pale green fuchsite, hard, brecciation at low to moderate angles to CA, intermittent low-angled jointing, specks py, matrix is sericitized. 437.0 - 440.0 : essentially the same rock as above but matrix is strongly chloritized 440.0 - 443.0 : ground core

DOCKET NO. 8608

HOLE NO. QS-81

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-81

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
443.0	501.8	Diabase Apophysis: black, f. gr., schistose, numerous low angle joints, upper contact is well qtz.-veined at 50 deg. to CA, equivalent to Diabase Chill Margin in hole QS-79, magnetitic, well altered by chloritization & shearing specks py, 453.0 - slicken slided joint surface parallel to CA, with minor hematite staining. 477.0 - 487.0 : intensely broken up by gougy low angle jointing, approximately 80-90% core recovery,
501.8	716.6'	Chloritized & Carbonatized Ultramafic: bluish-black, with 15% white qtz-carb. veinlets at 0-40 deg to CA, soft, both serpentinized and steatitized locally, magnetitic, upper contact is broken up by a gougy joint or minor fault at apparently 30 deg. to CA, ultramafic is brecciated on contact area, intermittent low angle gougy joints, brecciated locally.

DOCKET NO. 8608

HOLE NO. QS-81

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-81

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		505.4 - 507.4 : Silicified Interval, light grey, cloudy, glassy, very hard, some white qtz-veining visible, low angle contacts, 515.5 - 517.0 : ground core 523.0 - 527.0 : " " 546.6 - 548.6 : " " 562.0 - 593.0 : fault zone 562.0 - 567.5 : 50% gouge, shearing & gouge at both low and moderatedangles. 567.5 - 593.0 : intensely broken up by gougy low angle jointing & faulting, approximately 80% core recovery. 644.0 - 672.0 : Fault Zone 644.0 - 655.0 : intensely sheared and chloritized at low angles to CA. 655.0 - 662.0 : 50% gouge, faulting at low angles to CA,

DOCKET NO. 8608

HOLE NO. QS-81

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-81

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		662.0 - 672.0 : sheared as above. 672.0 - 674.0 : white qtz vein at 20 deg to CA barren of mineralization. 683.8 - 716.6 : Silicified & Carbonatized Ultramafic: :33 - 50 % white qtz.-carb. veinlets at 30 - 40 deg to CA , occasional specks of py, occasional barren white qtz. veins at low angles to CA, intermittent low angle jointing at low angles to CA,
716.6	784.3	Sericitized & Carbonatized Felsic Tuff: pale greenish buff, 20 - 33% white qtz.-carb veinlets at moderate angles to CA, F. gr., hard, upper contact is gradational occasional specks of py, intermittent low to moderate angle jointing, bedding? at moderate angles to CA, 737.0 -775.0 : 33 - 50% white to light grey qtz.-carb stock work at low to mod. angles to CA, with intermittant qtz.

DOCKET NO. 8608

HOLE NO. QS-81

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-81

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
804.0		804.0 - 805.5 : finely bedded without qtz-carb veining, bedding at 40 - 45 deg to CA, 806.5 - 806.8 : buff coloured siliceous tuff (porphyry) at 45 deg to CA with 1% diss'd py, & 3% qtz eyes, f. gr., very hard. 824.2 - 824.7 : grey siliceous tuff (porphyry) at 55 deg to CA very hard, f. gr. to aphanitic, 1% py along bedding,
828.2	869.0'	Chloritized & Carbonatized Andesite Tuff: dark green, with 25% white qtz-carb. veinlets at 50 - 60 deg. to CA, med. hard to soft, f. gr. to aphanitic, rare specks of py, 832.0 - 833.4 : dark grey siliceous tuff, f. gr. to aphanitic, finely bedded at 40 - 50 deg. to CA with light brown carbonate? along bedding, 1-3% diss'd py., hard,

DOCKET NO. 8608

HOLE NO. QS-81

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-81

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		veins at low angles to CA, well silicified generally just specks of py. 743.0 - 750.0 : low angle jointing 745.0 - 750.0 : ground core 783.3 - 784.6 : barren white qtz.-carb. vein at 40 deg. to CA, 780.0 - 785.0 : Ground Core.
784.3	828.2	Seritized and Chloritized Intermediate Tuff: pale yellowish green with white qtz.-carb. veinlets at 40 deg. to CA parallel to bedding/ shearing?, both veinlets and bedding are crenulated, fine gr., med. hard, boudinage structured with possible siliceous lapilli frags, locally, rare specks of py, few intermittent bands/beds of pale olive green epidote & sericite. 797.0 - 804.0 : 20% fuchsite alteration, pale emerald green interval, 1% diss'd py. locally. 797.7 & 801.3 : light brown, alteration? associated with qtz. veinlets

DOCKET NO. 8608

HOLE NO. QS-81

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. ~~OS-81~~

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		835.2 - 835.7 : similar to siliceous tuff at 824.2 but contains more carbonate 1% diss'd. py.
		854.3 - 854.7 : as above at 824.2 1% diss'd. py.
		868.5 - 869.0 : broken up by low angle gougy jointing
	869.0'	End of Hole

DOCKET NO. 8608

HOLE NO. OS-81

SAMPLE RECORD SHEET

PROPERTY–

QS-81 –HOLE NO.
10 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/ton					DESCRIPTIONS
8212	243.0	248.0	5.0	0.002					Limonitic Green Carbonate
8213	332.0	337.0	5.0	0.002					Chl'd. Volcanoclastic: minor py.
8214	349.0	354.0	5.0	0.002					Greywacke: fine diss. py specks 15% qtz. veinlets
8215	406.0	411.0	5.0	0.004					" " " " "
8216	423.0	428.0	5.0	0.002					Brec'd Qtz-Carb.: minor py.
8217	443.0	448.0	5.0	0.014					Diabase:
8218	499.0	504.0	5.0	0.002					Diabase/Ultramafic contact 15% qtz. veinlets
8219	505.4	507.4	2.0	0.008					Silicified interval
8220	637.0	642.0	5.0	0.002					Ultramafic: up to 1% py. locally
8221	672.0	674.0	2.0	0.002					white qtz. vein
8222	710.6	715.6	5.0	0.002					Sil'd & Carb'd. ultramafic: 33-50% qtz. vlts. specks py.
8223	715.6	717.6	2.0	0.004					Contact of Sev'd Tuff: 1% py.
8224	717.6	722.6	5.0	0.002					Ser'd Felsic Tuff: Specks py.
8225	732.7	737.0	4.3	0.002					" " " : 33-50% qtz-veined specks py.
8226	737.0	742.0	5.0	0.002					" " " " "
8227	742.0	745.0	3.0	Tr.					" " " " "
8228	750.0	753.0	3.0	.004					" " " " "
8229	753.0	758.0	5.0	Tr.					" " " " "

FORM 8609

SAMPLE RECORD SHEET

QS-81 –HOLE NO.
]] –PAGE

PROPERTY–

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8230	758.0	763.0	5.0'	Tr.					33-50% Ser'd. Falsic Tuff:qtz. veined miner py
8231	763.0	768.0	5.0'	Tr.					" " " " "
8232	768.0	773.0	5.0'	Tr.					" " " " "
8233	773.0	778.3	5.3'	.002					" " " " "
8234	778.3	780.0	1.7'	Tr.					White qtz. carb. vein: barren
8235	797.0	802.0	5.0'	.002					Fuchsitic interval : Tr. py.
8236	806.0	807.0	1.0'	.002					.25' siliceous banding: 1% py
8237	824.0	825.	1.0'	.018					.4' siliceous Tuff: 1% py
8238	832.0	833.4	1.4'	.014					" " : 1-3% py
8239	835.0	836.0	1.0'	.004					.5' " " : 1% py
8240	854.0	855.0	1.0'	.002					.25' " " : 1% py
8241	864.0	869.0	5.0'	.002					Chloritized & Carb'd Tuff.
Additional Fill in Sampling									
8242	139.0	150.0	5.0'	Tr.					Limonitic Gr. Carbonate:Tr. py; 50% core recovery
8243	176.0	181.0	5.0'	Tr.					" " " " " "
8244	193.0	198.0	5.0'	Tr.					" " : " " ; 20% Qtz-carb vs.
8245	213.0	218.0	5.0'	Tr.					" " " " " "
8246	233.0	238.0	5.0'	.002					" " " " " "
8247	274.0	279.0	5.0'	.002					" " : 1% py: " "

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-81 –HOLE NO.
12 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t				DESCRIPTIONS
8248	283	288	5.0'	Tr				Gr. Carb.: tr. py: 10% qtz-carb vs.
8249	307.	312	5.0'	.002				" "
8250	317.5	322.5	5.0	Tr				" " : contact
8251	322.5	327.5	5.0	.002				Chl'd Dac. Volcanoelastic: tr. py, cpy
8252	327.5	332.0	4.5'	.002				" " " " " "
8253	337.0	342.0	5.0	.002				" " " " " "
8254	342.0	349.0	7.0'	.002				Greywacke: 15% qtz. vlts. tr. py.
8255	354.0	359.0	5.0	.002				" " " " " "
8256	359.0	364.0	5.0	.002				" " " " " "
8257	364.0	369.0	5.0	.002				" " " " " "
8258	369.0	377.0	8.0	Tr.				" " " " " "
8259	377.0	382.0	5.0	.002				" " " " " "
8260	382.0	387.0	5.0	.002				" " " " " "
8261	387.0	392.0	5.0	.004				" " " " " "
8262	392.0	397.0	5.0	.002				" " " " " "
8263	397.0	406.0	9.0	.004				" " " " " "
8264	411.0	416.0	5.0	.002				" " " " " "
8265	416.0	423.0	7.0	.012				Brec'd Qtz.-Carb. : tr. py
8266	428.0	433.0	5.0	.002				" " " " "

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

OS-81 –HOLE NO.

13 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS oz Au t					DESCRIPTIONS
8267	433.0	440.	7.0	.002					Brec'd Qtz-Carb: tr. py
8268	707.5	709.0	1.5	.002					Ultramafic: tr. cpy, 2% py cubes

FORM 8609

PROPERTY Lot 11, Conc. II; Taylor Twp., Ont. (Timmins Area) PAGE 1

LOCATION Line 2+00 W, 3+00 North BEARING 360 deg HOLE NO. QS-82

LOGGED BY O. Zavesiczky ELEVATION Surface DIP -55 deg FINAL DEPTH 695.0'

STARTED August 29/83

FINISHED September 6/83

CASING casing blasted & pulled out

TESTS (CORRECTED)
160' : -57 deg
360' : -54 deg
560' : -52 deg
690' : -52 deg

CORE SIZE BQ: Dominik Diamond Drilling Ltd. (Timmins)

FROM	TO	DESCRIPTION
0.0	160.0'	0.0 - 57.0' : Sand & Clay 57.0 - 100.0' boulders & making water 100.0 - 160.0': sand & clay
160.0	163.0	Lost Core: casing emplacement
163.0	226.0	Coarse Andesite: (Diorite) greenish-grey, fresh-looking, fine to medium grained, medium, hard, non-magnetic, massive intermittent hematite & limonite stained low angle joints, minor qtz.-carb. fracture-filling at low angles to CA, 163.0 - 174.0 : medium grained phase 226.0 - 229.0 : ground core.
226.0	346.0	Andesite: greyish-green, f-gr. to aphanitic, med. hard, 10-15% white qtz.-carb. veinlets & stockwork at predominantly low angles to CA, intermittent low to moderate angled gougy joints, alteration or flow banding at 30-40 deg to CA, 226.0 - 274.0 : bleached in appearence 226.0 - 231.0 : low-angle jointing & drppped core, 254.0 - 255.5 : minor faulting showing up to 1/2" displacement on qtz. veinlet.

DOCKET NO. 8608

HOLE NO. QS-82

PROPERTY

QS-82

LOCATION _____ BEARING _____ HOLE NO. _____

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		262.4 - 265.5 : 3 intermittent purple coloured qtz.-carb. veinlets at 20-40 deg. to CA, with finely diss'd. hematite, py & cpy. 276.0 - 345.0 : becoming more bleached towards porphyry. 308.0 - 345.0 : intermittent low to mod. angle join'ing some gouge. 308.7 - 310.7 : 20% pinkish & limonitic qtz. veining subparallel to CA. 335.8 - 346.0 : 5% pink qtz. veining at low to moderate angles.
346.0	352.0	Lost Core: ground core contact obliterated.
352.0	432.0	White Porphyry: (chert) greyish-cream coloured, brecciated with Qtz.-carb. filling along microfractures, very hard, f. gr. to aphanitic, 1% diss. py locally, 353.6 - 375.2 : Fault Zone: Shattered core, low angle gougy joints 356.0 - 358.0 : Ground Core 360.0 - 365.0 : short fuchsitic & altered intervals possible zenoliths or interbeds. 379.0 - 389.5 : pale green-grey & carbonated interval, f. gr., generally hard, siliceous possibly an andesite xenolith

DOCKET NO. 8608

HOLE NO. QS-82

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-82

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
512.6	573.0	Quartz-Breccia: 66% rounded to subrounded qtz. frags., ranging up to 2" in size, set in a greenish-brown interstitial matrix green colour similar to green carbonate zone but paler, upper contact is broken up but colour change is sharp, fabric angles are subparallel to low to CA, rare specks py, rock appears to be due drecciation formed as opposed to volcanic. 512.8 - 514.0 : argillite interbed: black, aphanitic, medium hard contacts at apparently 30 deg. to CA, shattered by low angle jointing 512.8 - 529.8 : frequent low angle gougy joints.

DOCKET NO. 8608

HOLE NO. QS-82

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-82

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		397.0 - 432.0 : numerous gougy low angle joints, core recovery at approx. 90%;
		427.0 - 428.0 : Ground Core
432.0	512.6	Green Carbonate Zone: emerald green, with 33- 50% white qtz.-carb. veining locally at predominantly low angles to CA, brecciated, rare specks of pyrite, 33-50% fuchsite, original rock type is masked,
		432.0 - 483.0 : jointing as above at 432.0
		455.0 - 457.0 : Ground Core.
		457.0 - 473.5 : light grey to yellowish green, altered & carbonated interval,
		459.0 - 461.0:: ground core
		473.5 - 477.0 : intensely shattered and gougy core.
		477.0 - 505.8 : 50% low angle qtz. veining
		505.8 - 512.6 : appears to be the same qtz., breccia as below but with green carbonate type alteration, vague foliation or bedding at 50 - 60 deg.

DOCKET NO. 8608

HOLE NO. QS-82

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. OS-82

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
623.9	644.5'	Silicified and Carbonatized Shear Zone: greenish-grey with 33-50% qtz.-carb veinlets at various angles to CA, matrix is intensely chloritized locally, veinlets are contorted & brecciated locally, original rock type is unknown, upper, contact is obscured by qtz.-veining but possibly at 35 deg. to CA. 623.9 - 644.5 : frequent intermittent jointing at various angles, approx. 80% core recovery, 640.0 - 640.5 : grey porphyry, siliceous, f. gr., very hard, banding at 35 to 40 to CA.
644.5	695.0'	Chloritized, Carbonatized, & Silicified Ultramafic: bluish black with 25% white qtz.-carb. vlts, at 40 - 50 deg. to CA, med. Hard to soft, matrix is well chloritized,

DOCKET NO. 8608

HOLE NO. OS-82

PROPERTY

QS-82

LOCATION _____ BEARING _____ HOLE NO. _____

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		529.8 - 563.0 : Fault Zone, numerous intermittent gougy & jointed intervals, 66% core recovery overall, low angles.
		552.0 - 557.0 : ground core
573.0	604.2	Green Carbonate: as above at 432.0, upper contact is broken up.
604.2	623.9	Quartz Breccia: as above at 512.6 to 573.0', upper contact is qtz.-veined & brecciated but appears to be at approx. 25 deg To CA,
		605.0 - 613.1 : Greywacke, light grey to grey, hard, silicified, 20% blue & white qtz. veins & veinlets at low and moderate angles to CA, bedding at 30 to 40 deg. to CA, locally qtz.-breccia as above, specks py, contacts are broken up and vague,

DOCKET NO. 8608

HOLE NO. QS-82

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-82

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		646.5 - 695.0 : Fault Zone very frequent gougy joints and broken up intervals at various angles to CA, approx 67% core recovery
		671.0 - 677.0 : Ground & washed away core.
	695.0'	End of Hole

DOCKET NO. 8608

HOLE NO. QS-82

SAMPLE RECORD SHEET

PROPERTY–

QS-82 –HOLE NO.
8 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS oz Au t					DESCRIPTIONS
8271	194.	199.	5.0'	Tr.					Diabase: 2% qtz. veinlets
8272	262.4	265.5	3.1'	Tr.					Andesite: 5% purple qtz. veining with diss py & cpy, 15% white qtz. vlts.
8273	273.0	278.0	5.0'	Tr.					Andesite: 15% white qtz. vlts.
8274	308.7	310.7	2.0'	.002					" : 20% pink & lim. qtz. v.
8275	335.8	340.8	5.0'	Tr.					" : 5% " qtz. vlts.
8276	340.8	346.0	5.2'	Tr.					" " " " "
8277	352.0	356.0	4.0'	.004					Porphyry: 1% diss py, 50% core recov.
8278	358.0	363.0	5.0'	.002					" : " " " 80% " "
8279	363.0	368.0	5.0'	.002					" : " " " 66% " "
8280	375.0	380.0	5.0'	.002					" : Specks py.
8281	412.0	417.0	5.0'	.008					
8282	477.0	482.0	5.0'	.004					Green Carb.: 50% qtz. specks py.
8283	482.0	487.0	5.0'	.006					" " " " " "
8284	487.0	492.0	5.0'	.002					" " " " " "
8285	507.6	512.6	5.0'	.002					" " : qtz.-breccia
8286	512.6	514.0	1.4'	.016					" " : argillite interbed
8287	514.0	519.0	5.0'	.056					Qtz. Breccia : 1% py & cpy.
8288	568.0	573.0	5.0'	.002					" "

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-82 –HOLE NO.

9 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8289	573.0	578.0	5.0'	.002					Green Carbonate: 33-50% qtz. veins
8290	578.	583.	5.0'	Tr.					" " : " " " "
8291	583.	588.	5.0'	.002					" " : " " " "
8292	588.	593.	5.0'	Tr.					" " : 20% " "
8293	593.	599.	6.0'	Tr.					" " : 66% " "
8294	599.	604.	5.0'	.002					" " : " " "
8295	604.	609.	5.0'	.002					Greywacke: 20% qtz. vlts. 1% py
8296	609.0	613.1	4.1	.006					" " " " " "
8297	624	629.0	5.0	.002					Sil'd & Carb'd Shr. Zone: 33 - 50% Qtz.-carb.
8298	640.0	461.0	1.0'	.024					.5' Grey Porphyry,
8299	690.0	695.0	5.0'	.002					Ultramafic : End of Hole
Additional Fill in Sampling									
9101	519.0	524.0	5.0'	.018					Qtz. Brec: specks py & cpy
9102	524.0	529.0	5.0'	.006					" " : Fault Zone
9103	529.0	534.0	5.0'	.002					" " : " "
9104	534.0	539.0	5.0'	Tr.					" " : " "
9105	539.0	544.0	5.0'	.002					" " : " "
9106	544.0	549.0	5.0'	.002					" " : " "
9107	549.0	552.0	3.0'	.002					" " : " "
9108	557.0	562.0	5.0'	Tr.					" " : " "

FORM 8609

SAMPLE RECORD SHEET

PROPERTY –

QS-82 –HOLE NO.
10 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
9109	562.0	568.0	6.0'	.004					Qtz. Brec : specks py & cpy
9110	613.1	618.1	5.0'	.006					" " : " " "
9111	618.1	624.0	5.9'	.002					" " : " " "

FORM 8609

PROPERTY Lot 11 , Conc. II; Taylor Twp., Ont. (Timmins Area) PAGE 1

LOCATION Line 2 + 00 W, 10 + 00 North BEARING 360 deg. HOLE NO. QS-83

LOGGED BY O. Zavesiczky ELEVATION Surface DIP -55 deg FINAL DEPTH 567.0'

STARTED September 10, 1983 hole collapsed
FINISHED September 16, 1983: in ultramafic

TESTS (CORRECTED)
114': -55.5 deg
314': -56.0 deg
514': -57.0 deg

CASING casing blasted & pulled out

CORE SIZE BQ: Dominik Diamond Drilling Ltd., (Timmins)

FROM	TO	DESCRIPTION
0.0'	126.0'	Overburden 0.0' - 62.0': Sand & clay 62.0' - 109.0': boulders & sand (making water) 109.0' - 126.0': ledge area; cored granite, gabbro & volcanic boulders. (hole cemented from 114.0 to 135.0')
126.0'	138.0'	**Massive Greywacke:** grey, f. gr., med. hard to hard, 5% minute white qtz.-carb. filled tension cracks at low to mod. angles to CA, broken up by frequent low & mod. angle jointing, 136.0' - 137.0': hematite in qtz.-carb vlts. at mod. angles.
138.0'	264.1'	**Sheared Diabase:** black, fine to med. gr., magnetic, med. hard, very broken up by gougy faults & joints at predominantly low angles, upper contact is broken up but appears to be on a fault subparallel to CA, specks py. 142.0' - 220.0': Fault Zone approximately 25-33% core recovery

DOCKET NO. 8608

HOLE NO. QS-83

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-83

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		142.0' - 147.0': shattered core 10% core recovery 148.0' - 157.0': " " 33% " " 157.0' - 167.0': " " " " " with slickensliding on subparallel slip planes 167.0' - 175.0': shattered core 33% core recovery -178.0" : hematite stain on low angle slip. 179.0' - 183.0': ground core 185.5' - 191.0': shattered & gougy core 187.0'-189.0' : Ground Core 190.0'-195.0' : " " 198.0' - 220.0' : shattered core 198.0'-201.0' : Ground Core 203.0'-207.0' : " " 208.0'-211.0' : " " 217.5'-220.0' : " " 220.0 - 227.5 : ultramafic inclusion essentially same as below at 264.1', well serpentinized & steatitized.

DOCKET NO. 8608

HOLE NO. QS-83

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-83

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		227.5' - 264.1' : intermittent slightly gougy, low-angled joints, diabase not pronouncedly sheared. 258.0' - 264.1' : f. gr. to aphanitic chill margin.
264.1'	336.3'	Chloritized & Carbonatized Ultramafic: black , messy in appearence, 15-20% white qtz.-carb. vlts. at predominantly low angles to CA, very schistose, soft, well chloritized, moderately talcose, frequent jointed & gouge intervals at low angles to CA, upper contact is a gouge fault at apparently 5 5 deg, rare specks of py. 287.0'-291.0': 10% pink qtz.-carb. vlts. at 30-40 deg. 297.0'-302.0': gouge, contacts at apparently mod. angles. 327.9'-330.8': gouge, contacts at apparently low angles.

DOCKET NO. 8608

HOLE NO. QS-83

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-83

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
336.3'	442.0'	Diabase: sharp upper contact at 30 - 45 deg., dark grey, slightly speckled in appearence, fine-medium grained, medium hard, 15% minute magnetite, moderate schistosity at 20 deg. 352.0' - 357.3': shattered core 364.0'-364.5': gougy low angle jointing 370.0'-371.3': pinkish-grey porphyry or silicification at 40 deg., 395.04-395.5': qtz. vlt at 20 deg. with assoc. tourmaline 403.7'-408.7': 5-10% hematite stain 421.5'-423.5': pale green alteration, epidote? assoc. with qtz. & tourmaline fracture filling. 433.5'-442.0': shattered core, low & mod. angle slips, 66% core recovery 438.8'-439.3': gouge, at 20 deg. to CA.

DOCKET NO. 8608

HOLE NO. QS-83

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-83

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
442.0'	444.0'	Ground Core
444.0'	461.0'	Grey Porphyry: (Welded Tuff?) light grey, f. gr. to aphanitic, siliceous, hard microfractured with qtz.-filling, appears to be qtz. fragmental under the hard lens, siliceous matrix, core is shattered with slips at both low and moderate angles, rare specks of py, approximately 66% core recovery, 445.0'-447.0': Ground Core 450.0'-451.0': " "
461.0'	463.0'	Ground Core
463.0'	484.0'	Chloritized & Carbonatized Ultramafic: as above at 264.1', 478.0'-484.0': shattered core, approx. 50% core recovery.
484.0'	495.0'	Quartz Veined and Silicified Zone: 80% pale whitish grey-green qtz. veining at predominantly low angles

DOCKET NO. 8608

HOLE NO. QS-83

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-83

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		host rock xenoliths are completely chloritized, shattered core, 50% core recovery, rare specks of fine pyrite,
495.0'	497.0'	Ground Core:
497.0'	509.5'	Silicified Felsic Tuff: Pale yellowish grey, fine gr., bedding/ banding at 35 deg., 33-50% qtz-carb. vlts. along bedding/foliation, rare specks of py. 498.5'-501.0': Chloritized Argillite Interbed: black, aphanitic, faint bedding, 10% qtz. veining & upper contact at 35 deg. 3% fine py cubes. 509.0'-509.5': shattered gougy core.
509.5'	530.0'	White Quartz Vein: subparallel to CA, rare specks of py, shattered core, 50% core recovery 514.0'-517.0': Felsic Tuff as above

DOCKET NO. 8608

HOLE NO. QS-83

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-83

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		518.0'-523.0': Ground Core
530.0'	545.5'	Chloritized & Carbonatized Ultramafic: as above
545.5'	559.5'	Porphyritic Trap Dyke: (Peculiar phase of Diabase Dyke?)
		545.5'-549.5': chill margin, greenish-black f. gr. to aphanitic, slightly magnetic, trace py, 50 deg. upper contact,
		546.7'-547.4': low angle jointing
		548.5'-559.5': 10% white rhombic & square glassy feldspar phenocrysts 1/8" across; set in a black f. gr. to aphanitic matrix, magnetic, medium hard, trace pyrite, lower contact area is bleached, contact is shattered.
559.5'	567.0'	Chloritized & Carbonatized Ultramafic: as above but contaminated by trap intrusion
	567.0'	End of Hole: hole collapsed in ultramafic seizing rods.

DOCKET NO. 8608

HOLE NO. QS-83

SAMPLE RECORD SHEET

PROPERTY–

Qs-83 –HOLE NO.
8 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8300	126.0	132.0	6.0'	.004					massive gwke: core broken up 5% qtz. vlts.
8301	132.0	138.0	6.0'	.002					" " " " "
8302	138.0	142.0	4.0'	Tr.					Shr'd diabase
8303	287.0	292.0	5.0'	Tr.					Ultramafic: 10% pink qtz.-carb vlts.
8304	370.0	371.3	1.3	Tr.					grey porphyry
8305	371.3	376.3	5.0'	Tr.					Diabase:
8306	395.0	396.0	1.0'	Tr.					" : qtz. vlt. & tourmaline
8307	403.7	408.7	5.0'	Tr.					Diabase: 5-10% hematite
8308	421.5	423.5	2.0'	Tr.					" : 5% qtz. vlt. & epidote
8309	444.0	450.0	6.0'	.002					Grey Porphyry: tr. py, 5% qtz. vlts.
8310	450.0	455.0	5.0'	.006					" " : 450.0-451.0 ground core
8311	455.0	463.0	8.0'	.004					" " : 461.0-463.0 " "
8312	471.0	476.0	5.0'	.002					Ultramafic
8313	484.0	489.0	5.0'	Tr.					Qtz.-Veined : 80% qtz. vs.
8314	489.0	495.0	6.0'	Tr.					" " : " " "
8315	497.0	498.5	1.5'	.002					Sil'd Felsic Tuff: 33-50% qtz. vlts.
8316	498.5	501.0	2.5'	Tr.					argillite : 3% py
8317	501.0	506.0	5.0'	.004					Sil'd Felsic Tuff: 33-50% qtz. vlts.
8318	506.0	509.5	3.5'	.002					" " " " " " "

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

OS-83 –HOLE NO.
9 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8319	509.5	514.0	4.5	Tr.					Qtz. Vein: tr. py.
8320	514.0	523.0	8.0	Tr.					" " : & Felsic Tuff: 50% core recovery
8321	523.0	530.0	7.0	.002					QTZ. Vein : tr. py
8322	541.0	544.5	3.5	Tr.					Ultramafic : 5% qtz. - carb.
8323	544.5	548.5	4.0	Tr.					Trap chill margin
8324	548.5	553.5	5.0	.002					Por. Trap Dyke
8325	562.0	567.0	5.0	Tr.					Ultramafic

FORM 8609

PROPERTY Lot 11, Conc. II; Taylor Twp. Ont. (Timmins Area) PAGE 1

LOCATION L 6 + 10 W, 6 + 00 North BEARING 360 deg. HOLE NO. QS-84

LOGGED BY O. Zavesiczky ELEVATION Surface DIP -70 deg FINAL DEPTH 527.0'

STARTED September 21, 1983 TESTS (CORRECTED)

FINISHED September 24, 1983

86.0' : - 70 deg
290.0' : - 69.5 deg.
490.0' : -69.5 deg.

CASING Pulled

CORE SIZE BQ: Dominik Diamond Drilling Ltd. From Timmins

FROM	TO	DESCRIPTION
0.0'	86.0'	Overburden: 0 - 60.0' : clay & sand 60.0- 86.0' : boulder layer & making water
86.0	103.0'	Greywacke: grey, f. gr., med. hard to hard, somewhat siliceous, brecciated locally with qtz-carb. fracture-filling, massive in appearence locally 5-10% minor brecciated white qtz.-carb. stringers at mod. to high angles to CA, few slightly graphitic argillaceous intervals locally, intermittent low angle jointing, 1% very fine diss. py. 99.1 - 103.0 : interbedded with slightly graphitic argillite which is aphanitic, black and well chloritixed, the greywacke interbeds are brecciated and slumped, moderate bedding angles at predominantly bi deg. specks of py,

DOCKET NO. 8608

HOLE NO. QS-84

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-84

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
103.0'	127.0'	Quartz Breccia: 50% rounded to subrounded qtz. frags. up to 1/2" in diameter set in a brownish-black matrix, hard, vague bedding at moderate to high angles, tr. py. contacts are broken up. 107.3 - 108.6' : 90% qtz. veining & assoc'd pervasive silicification, tr. py. 108.6 - 111.0' : Felsic Tuff: pale straw coloured, well laminated at 45 deg, F. gr. servictized, soft to med. hard, 33% qtz.-carb. vlts. parallel to bedding, tr. py. 113.0 - 119.8' : Greywacke interval as above 114.0 - 117.0' : Ground Core 119.8 - 127.0' : shattered core by low to mod. angle jointing, 66% core recovery.

DOCKET NO. 8608

HOLE NO. QS-84

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-84

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
168.3	170.5'	Chloritized & Carbonatized Ultramafic: bluish green-black, f. gr., soft to med. hard, well-sheared at 40-50 deg., locally serpentinized, 5% qtz.-carb. vlts. along shearing, upper contact sharp at 80 deg. tr scattered py cubes up to 1/8" across.
170.5	246.0'	Fine Grained Carbonatized Diorite? greyish-green, fine-grained, medium-hard, somewhat mottled in appearence due to clusters of spherical to lenticular shaped amygdules or phenocrysts up to 1/4" in size, content as high as 33% locally, these features are buff-coloured vary in hardness from hard to medium and appear to be made up of different combinations of qtz.-carb.; intermittent brecciated and qtz.-carb. veined intervals suggestive of flow-top brecciation and/or pillow rims?; non-magnetic, rock quality is excellent,

DOCKET NO. 8608

HOLE NO. QS-84

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. OS-84

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
127.0	131.0'	Chert: light grey, aphanitic, hard, quite massive, contacts are shattered 129.5 - 130.5 : greywacke interval as above
131.0	159.0'	Massive Greywacke: essentially the same as above at 86.0' 5-10% combined blue and white qtz. vlts. at variable angles, intermittent shattered core due to low to mod. angle jointing, occasional small fine gr. py. smears on low-angle slips, upper contact is shattered. 131.0 - 145.0 : 80% core recovery -148.0- : 1/8" py stringer at 35 deg. assoc'd with qtz. vlts. 153.0 - 158.0 : vague chloritized and possibly slightly graphitic argillaceous interbeds in slump structures.
159.0	168.2'	Quartz Breccia: as above but 80% fragmental upper contact is shattered

DOCKET NO. 8608

HOLE NO. OS-84

PROPERTY

QS-84

LOCATION _____ BEARING _____ HOLE NO. _____

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		faint folliation at mod. angles, upper contact shattered/ few low & mod. angled joints; 1% scattered coarse py cubes. -eventhough this rock type does not resemble very well the diorite in QS-79 it does appear to be related to it because of its intrusive & stratigraphic aspects and its coarse py contant. 240.8 - 241.8 : 50% low angle atz. veining with 5% coarse py. 245.0 - 246.0 : 80% white qtz. veining at low angles.
246.0	319.7'	Chloritized and Carbonatized Ultramafic: bluish-black, soft, well-foliated at low to mod. angles, 5-10% white qtz.-carb. vlts. at low angles and contorted, tr. fine py cubes. 253.5 - 254.5 : 50% hematitic qtz. v. at low angles. 252.7 - 289.0 : frequent gougy joints at low to mod. angles, 279.0 - 281.2 : shattered & gouge zone.

DOCKET NO. 8608

HOLE NO. QS-84

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-84

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		291.0 - 319.7' : more carbonatized : -speckled by 33% white carbonate plenocrysts, also qtz.-carb. vlts increased to 20% at low and mod. angles to CA.
319.7	368.2'	Silicified & Feldspathized Diorite: grey to dark grey, 50% white to pinkish-white qtz.-feldspar veins and pervasive silicification, hard to very hard, f. gr., 15% magnetite, with magnetite bands locally sharp upper contact at 45 deg., approximately 5% diss. fine gr. py. generally pink colour due to hematite, finely diss. fuchsite -this unit appears to be related to the Quartz-Feldspar and Diorite sequence in QS-79.
		350.0 - 368.2 : brecciated with qtz. fracture-filling.
		-359.0- gougy joint at high angles.

DOCKET NO. 8608

HOLE NO. QS-84

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-84

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
422.0	436.8'	Diorite Dyke: grey to dark grey, f. gr., med. hard, numerous qtz.-carb. veinlets at predominantly low angles, 3-5% fine diss. py., slightly magnetic locally, 422.0 - 428.7: contact zone: messy in appearence due to 40% carbonate & 20% qtz. vlts at moderate angles, upper contact is broken.
436.8	505.6'	Chloritized and Carbonatized Ultramafic: essentially the same as above, upper contact area appears to be chilled, foliation & qtz.-carb. vlts. at 35 deg. 459.0 - 461.0 : white qtz.-carb. vein parallel to CA, barren. 485.4 - 488.0 : as above 488.0 - 489.0 : fault gouge at low angles.

DOCKET NO. 8608

HOLE NO. QS-84

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-84

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
368.2	422.0'	Chloritized & Carbonatized Ultramafic: essentially the same as above at 346.0', sharp upper contact at 75 deg. 368.2 - 373.2 : 20% pinkish light grey siliceous veins at moderate angles with 5% f. gr. py, from unit above 380.0 - 400.0 : Fault Zone 8' ground core, 75% of recovered core is gouge, predominantly low angles. 412.0 - 413.2 : 20% f. gr. py cubes in vague banding at 40 deg. assoc'd with qtz. vlts. 417.0 - 419.7 : 40% white qtz. vlts at low angles. 419.7 - 421.5 : gougy low angle jointing, talcose

DOCKET NO. 8608

PROPERTY

LOCATION _____ BEARING _____ HOLE NO. QS-84

LOGGED BY _____ ELEVATION _____ DIP _____ FINAL DEPTH _____

STARTED _____ TESTS (CORRECTED) _____

FINISHED _____

CASING _____

CORE SIZE _____

FROM	TO	DESCRIPTION
		503.0 - 505.6 : 50% white qtz. veining at low to moderate angles
505.6	512.0	Silicified Zone - Porphyry: light buff-coloured, very hard, f. gr., 80% pervasive silicification, 20% white qtz. veinlets. 2% diss. py., vague bedding and/or foliation at 60 deg. locally,
		504.0 - 516.0 : approx 80% core recovery
512.0	521.0'	Carbonatized and Chloritized Tuff: green, f. gr., medium hard, bedding/foliation at 45 deg., 33% white qtz. vlts. parallel to bedding and at low angles, specks py & cpy, upper contact is shattered becoming pale towards lower contact,
521.0	527.0'	Sericitized Felsic Tuff: pale yellowish gray, fine-grained hard, bedding/foliation at 45 deg., 3-5% diss. py, 15% white qtz. vlts. at mod. angles,
	527.0'	END OF HOLE

DOCKET NO. 8608

HOLE NO. QS-84

SAMPLE RECORD SHEET

PROPERTY–

QS-84 –HOLE NO.
10 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8326	86.0	91.0	5.0'	Tr.					Greywacke: 5-10% qtz. vlts: 1% diss. py
8327	91.0	96.0	5.0'	.002					" " " " " " "
8328	96.0	99.1	3.1'	.002					" " " " " " "
8329	99.1	103.0	3.9'	Tr.					Greywacke & Graphitic Argillite: Tr. py
8330	103.0	107.3	4.3'	Tr.					Qtz. Breccia: tr. py.
8331	107.3	108.6	1.3'	Tr.					90% qtz. veining & silicification
8332	108.6	111.0	2.4'	.002					Felsic Tuff: 33% qtz.carb vlts.
8333	111.0	118.0	7.0'	.002					Qtz. Breccia & Gwke: 50% core recovery 5-10% qtz. vlts.
8334	118.0	127.0	9.0'	.002					" " : 66% core recovery; tr. py.
8335	127.0	131.0	4.0'	.002					Chert: specks py.
8336	131.0	136.0	5.0'	.002					Gwke: 5-10% qtz. vlts. tr. py
8337	136.0	141.0	5.0'	.002					" " " " " "
8338	141.0	147.5	6.5'	.002					" " " " " "
8339	147.5	149.0	1.5'	Tr.					Gwke: 2% py stringers with qtz. vlts.
8340	149.0	154.0	5.0'	.002					Gwke: 5-10% qtz.vlts. 1% py on slips
8341	154.0	159.0	5.0'	.002					" " " " & argillite tr. py
8342	159.0	164.0	5.0'	Tr.					Qtz. Breccia: tr. py, 80% core recov.
8343	164.0	168.5	4.5'	.002					" " : " "

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-84 –HOLE NO.
11 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8344	168.5	170.5	2.0'	.002					Ultramafic: 5% qtz.-carb, tr. py.
8345	170.5	175.5	5.0'	.014					Diorite: 5% qtz. vs: tr. py.
8346	175.5	180.5	5.0'	.002					" " " " " "
8347	180.5	185.5	5.0'	.002					" : " " ": 1% coarse py.
8348	185.5	190.5	5.0'	.002					" : " " " " " "
8349	190.5	193.0	3.0'	.004					" " " "
8350	193.0	196.0	3.0'	.004					" : 33% qtz. vs: 2-3% coarse py
8351	196.0	201.0	5.0'	.002					" : 5% qtz. vs.: 1% " "
8352	201.0	206.0	5.0'	.004					" " " " : 2-3% " "
8353	206.0	211.0	5.0'	.006					" : 1% " " : 2% " "
8354	211.0	217.0	6.0'	.002					" " " " " " "
8355	217.0	220.0	3.0'	.004					" : 20% qtz. vs.: 2-3% " "
8356	220.0	225.0	5.0'	.002					" : 5-10% " " : 1% fine py
8357	225.0	230.0	5.0'	.002					" : 2% " " : Tr. py.
8358	230.0	232.6	2.6'	Tr.					" : " " " : " "
8359	232.6	237.6	5.0'	.002					Diorite: finer gr.: 2-3% coarse py
8360	237.6	240.8	3.2'	Tr.					" : tr. py. cubes
8361	240.8	241.8	1.0'	.002					50% qtz. v: 5% coarse py.

FORM 8609

SAMPLE RECORD SHEET

PROPERTY–

QS-84 –HOLE NO.
12 –PAGE

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS oz Aut					DESCRIPTIONS
8362	241.8	245.0	3.2'	Tr.					Diorite: 1% coarse py
8363	245.0	246.0	1.0'	.002					80% qtz. v.
8364	246.0	253.5	7.5'	Tr.					Ultramafic: 5% qtz-carb.; tr. py.
8365	253.5	254.5	1.0'	.002					" :50% hematitic qtz. v.
8366	272.0	273.0	1.0'	.002					" : 3% fine py cubes
8367	282.0	285.0	3.0'	.004					" : 1% " " "
8368	314.7	319.7	5.0'	Tr.					" :20% qtz-carb. vlts.,tr.py.
8369	319.7	324.7	5.0'	Tr.					Sil'd Diorite: 2% f.gr. py;10% qtz. v.
8370	324.7	329.7	5.0'	Tr.					" " : 5% " " " ;20% " "
8371	329.7	330.7	1.0'	.002					" " :15% " " " ;50% " "
8372	330.7	335.7	5.0'	.002					" " :5% " " " ;33% " "
8373	335.7	340.7	5.0'	.002					" " :" " " " ;" " "
8374	340.7	345.7	5.0'	.002					" " :1-2%" " " ;50% sil'n
8375	345.7	350.7	5.0'	.002					" " :5% " " " ; " ""
8376	350.7	355.7	5.0'	.002					" " : " " " " ; " ""
8377	355.7	360.7	5.0'	.002					" " : " " " " ; " ""
8378	360.7	365.7	5.0'	.012					" " : " " " " ; " ""
8379	365.7	368.2	2.5'	.002					" " : " " " " ; " ""

FORM 8609

SAMPLE RECORD SHEET

OS-84 –HOLE NO.
13 –PAGE

PROPERTY–

SAMPLE NO.	FROM	TO	LENGTH	ASSAYS Au oz/t					DESCRIPTIONS
8380	368.2	373.2	5.0'	Tr.					Ultramafic: 20% sil. veins: 5% py.
8381	373.2	377.0	3.8'	Tr.					" : tr. py.
8382	412.0	413.2	1.2'	.010					" : 20% f. gr. py cubes,
8383	417.0	422.0	5.0'	.002					" : 40% qtz. veins: tr. py.
8384	422.0	428.7	6.7'	.002					Diorite contact zone: tr. py.
8385	428.7	433.7	5.0'	Tr.					" :20% qtz-carb. vlts: 1% py.
8386	433.7	436.8	3.1'	.002					" :33% " " " : 2% py
8387	436.8	441.8	5.0'	.002					Ultramafic: 15% qtz.-carb. vlts; tr.py
8388	459.0	461.0	2.0'	.002					" :white qtz.v.; barren
8389	485.4	488.0	2.6'	Tr.					" : " " " ; "
8390	503.0	505.6	2.6'	Tr.					" :50% qtz. veining
8391	505.6	512.0	6.4'	.002					Sil'd Zone Porphyry: 2% diss py.
8392	512.0	516.0	4.0'	Tr.					Chl'd Tuff: 33% qtz.vlts: tr. py.
8393	516.0	521.0	5.0'	.004					" " : " " " : tr. py cpy
8394	521.0	527.0	6.0'	.004					Ser'd Felsic Tuff: 3-5% diss. py.
									15% qtz. vlts.

FORM 8609

DIAMOND DRILL REPORT

HOLE No. QS-79 (i)

Location: XL 6W @ 6+10N

Core Size: BQ

Azimuth: 0°

Elevation: Surface

Dip: Collar @ -52°; @ 125'-53°; @ 321'-51°; @ 525'-50°; @ 725'-50°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY

Township: Taylor Township

Location of Collar from # Post of

Commenced: July 15, 22, 1983

Finished : July ~~August~~, 1983

Contractor: Dominik Drilling Inc. Timmins, Ontario

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		SUMMARY LOG										
0	126'	Casing. (Casing pulled) ovb. to 120'.										
126	147	Sediments - moderate to strongly brecciated siltstone and arkose.										
147	454.7	Ultramafic Sequence with:	167	182	15						.059	Dioritic unit w. coarse py; best assay .119/5' 172-177.
		167.8-181.5, 183.9-186.3 - 'dioritic sections' with coarse pyrite.										
		258.8-313.6 - feldspar porphyry.										
		415.2-545.7 - streaky/layered carbonated mafic and ultramafic rocks.	285	300	15						.027	Fsp.por. - w. access. sulphides.
		Broken, gouged and/or lost core at: 214-216, 248.6-250, 254-257, 313.6-337, 408-409.										
454.7	595	Carbonated Volcanics with:										
		454.7-500: felsic to intermediate.	469	470	1						.066	Zoned por. - alt. pyritic.
		500-548: intermediate to mafic with sections of porphyry from 514.4-541.5, xns of lost core.										
		548-595: mafic to ultramafic, with porphyry from 567.1-595.										
595	680.8	Carbonated Mafic and Ultramafic Volcanics - gradation from mafic to ultramafic rocks around 626.										
		Broken, lost and/or gouged core 595-618, 651-676.										
680.8	851	Diabase - Matachewan style, with carbonated ultramafic at 684.6-685.7 and around 847-849.										
	851'	END OF HOLE (Hole Lost).										

Location: XL 6W @ 6+10N

Core Size: BQ | PROPERTY: QUEBEC STURGEON RIVER MINES LTD, - ASHBY PROPERTY

Azimuth: 0° | Township: Taylor Township | Commenced:

Elevation: Surface | Location of Collar from # Post of | Finished : August, 1983

Dip: Collar @ -52°; @ 125'-53°; @ 321'-51°; @ 525'-50°; @ 725'-50° | Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width							Description of Sample
0	126'	Casing. (Casing pulled) - depth of overburden 120' - casing driven to 126'. 0-70 sand and clay; 70-85 boulders; 85-114 sand and clay; 114-120 boulders.										
126	147.0	Sediments - a sequence of moderate to strongly brecciated siltstone and arkose. The sediments vary from dull, earthy grey brown to dark grey, pale grey green and pale grey in colour. The rocks are weakly to unlayered - an apparent function of brecciation, although there is a general lineation at 60-80° to the core axis. The paler grey green to grey units are arkosic, and are finely granular with quartz, feldspar, sericite and muscovite ± scattered black specks of graphite(?). The darker silty units are very fine grained to massive. The core is moderately altered, fractured, rather poorly veined and sparsely mineralized. Brecciation in the sediments is largely defined by a moderate to strong fracture system with chlorite, carbonate ± serpentine.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		The sediments are moderately altered with chlorite, sericite and carbonate - alteration increasing with depth towards the ultramafic contact. The core is cut by erratic cherty to glassy veins which range from a few centimeters to greater than 30 cm in thickness - much wider than veins normally found within the sedimentary sequence. It is remotely possible that these cherty units are porphyries. The units are dull white to cream coloured, fine grained, cherty to glassy and are etched with carbonate. The veins are almost totally quartz, which is finely fractured with carbonate and locally streaked with sericite. Contacts vary from 60-80° to the core axis. Cherty units are found at: 128.7-129.1, 133.3-134.2, 136.6-136.9, 137.5-138.4, 139.2-139.4, 140.6-140.8, 144.6-145.3, 145.6-145.8. The basal part of the sedimentary sequence, after 143, is streaky in appearance with dull yellow to yellow-lime and brownish sericite-chlorite-carbonate alteration. The lower contact zone of the sediments, from 146.2-147, is along a unit of breccia at										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		70°/80°. The breccia consists of numerous										
		fragments of quartz within dull olive to dark										
		green and black sericite-chlorite-carbonate										
		± serpentine alteration. The breccia is										
		sparsely mineralized with pyrite and traces										
		of chalcopyrite.										
		The lower contact is partly broken at 80°.										
147	454.7	Ultramafic Sequence - a relatively thick										
		zone of dark carbonate, carbonated ultramafic										
		rocks with sections of broken, lost and badly										
		gouged core. The ultramafic sequence may form										
		part of the Porcupine Destor System, although										
		the basal rocks are problematical at this										
		stage.										
		The ultramafic sequence ranges from very										
		dark green to black and blue black in colour.										
		The core is fine grained with local, well										
		developed coarse rosettes of ankerite.										
		Essentially, the ultramafic is composed of										
		carbonate, chlorite and serpentine, and is										
		weakly speckled with dull ochre, earthy										
		leucoxene(?). The ultramafic is variably										
		brecciated with fragments and discontinuous										
		lenses of stringer material. The rocks range										
		from weakly to strongly magnetic and are										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		moderate to strongly schistose at 60-80° to										
		the core axis.										
		167.8-181.5: contact with veining into a										
		coarsely granular, sugary textured unit with										
		scattered coarse pyrite (in cubes and pyrito-										
		hedrons) up to 1 cm in size - QSR's "dioritic										
		unit". The rock is composed of carbonate,	167	172	5						.024	Dioritic. w. veining, coarse py
		chlorite, serpentine ± erratic bladed crystals	172	177	5						.119	" " "
		of tremolite-actinolite, and has a somewhat	177	179.5	2.5						.014	" " "
		mottled appearance from coarsely granular	179.5	182	2.5						.056	" " "
		carbonate - the matrix component normally has										
		a finely felted texture.										
		Some of the carbonate grains/blebs appear										
		to have a central zone with plagioclase, which										
		locally exhibits granophyric textures. The										
		diorite/dioritic zone is moderately veined										
		with stringers of quartz-ankerite - most of										
		the coarse pyrite being found near or around										
		the veining.										
		From 180-181.5 there is a fragment/										
		remnant of chertier porphyry in the system.										
		The porphyry is pale greyish, fine grained										
		and cherty with some reddish hematite staining.										
		From 181.5-183.9 the rock is a dark green										
		to black, partly broken, carbonated ultramafic										
		which is followed by a granular, carbonated										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		remnant of porphyry or diorite from 183.9-										
		186.3. The unit is very similar to the just										
		previous dioritic unit (i.e. 167.8-181.5) but										
		with more obvious relict plagioclase and										
		quartz. The remnant is medium grey in colour,										
		and is unveined, although there are trace										
		amounts of coarse pyrite. The diorite/										
		porphyry is strongly altered but not as altered										
		as the previous unit. Contacts are nearly										
		normal to the core axis.										
		Below 186.3, and up to 258.8 the rock is										
		a dark grey to blue grey, black and dark green										
		carbonated ultramafic which is locally										
		granulated and gouged. The ultramafic is										
		largely composed of carbonate, chlorite and										
		serpentine with broken and discontinuous										
		stringers of quartz-ankerite and local coarse										
		rosettes of carbonate. The ultramafic is										
		moderate to strongly schistose - the predominate										
		lineation being at 50° to the core axis.										
		From 248.6-250 the ultramafic is gouged										
		and broken, plus there is some lost core at										
		214-216 and 254-257. The lower contact of the										
		ultramafic sequence from 257-258.8 is very fine										
		grained and strongly altered with chlorite,										
		serpentine adjacent to a thick unit of										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		feldspar porphyry.										
		The feldspar porphyry dyke extends from										
		258.8-313.6 and is pale pinkish to off-white										
		at first, becoming greyer and more altered										
		with chlorite-carbonate below 273.4. The										
		porphyry is medium to coarse grained and is										
		speckled with magnetite throughout which										
		produces a common brick coloured staining.										
		The core is moderately veined with milky to										
		porcelainous stringers of quartz-ankerite										
		and is locally well mineralized with pyrite -										
		both as erratic coarse cubes and as a very										
		fine grained brownish sulphide dust. Sulphides	285	290	5						.01	Fsp.por. - altered - pyritic
		are most common in the greyer feldspar porphyry	290	295	5						.05	" " "
		in a zone between 285 and 300.	295	300	5						.02	" " "
		The lower contact of the porphyry is										
		broken with veining; the upper contact is at										
		70°.										
		Below the unit of feldspar porphyry, the										
		carbonated ultramafic is broken and badly										
		gouged with only 3.7' of core recovered from										
		321-337. The ultramafic rocks become more										
		competent below 347, although there is some										
		gouged and broken core from 408-409.										
		The ultramafic is dark green to black in										
		colour, fine grained, well altered with										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		carbonate, chlorite and serpentine, and contains broken veins and discontinuous lenses of quartz-ankerite up to 415.2, below which the rocks are layered in appearance.										
		From 415.2 to the base of the zone at 454.7, the sequence consists of intercalated mafic and ultramafic rocks which are streaky/layered at 70-80° to the core axis. The core varies from medium to dark grey, grey green and black in colour - the ultramafic portions being darker in colour and more serpentine-rich.										
		The layering in the sequence is defined by carbonate-rich and chlorite ± serpentine-rich layers/lenses. Essentially the rock is composed of carbonate-chlorite ± sericite-serpentine. The core is rather poorly veined and unmineralized, although the rock is well fractured with dark alteration.										
		The sequence grades progressively lighter in colour towards the base.										
454.7	595	Carbonate Zone - a mixed sequence of carbonate - presumed carbonated volcanic rocks, which grade from carbonated felsic and intermediate volcanics at the upper part of the										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		sequence, through intermediate and mafic										
		volcanics from 500-548, to mafic and ultra-										
		mafic volcanics at the end of the zone. The										
		gradations are, in part, framed by two sequences										
		of porphyry from 514.4-541.5 and 561.7-595.										
		The upper contact of the overall sequence										
		is along a narrow unit of either chert or										
		veining from 454.7-455.6. The carbonate is										
		much lighter in colour than the adjacent mafic-										
		ultramafic zone, although the rocks are										
		similarly streaky/layered at 70-80° to the										
		core axis. The carbonate varies from medium										
		to pale grey, grey green, yellowish grey and										
		putty coloured with very local darker grey										
		sections. The layering is defined by variations										
		in the amount and type of carbonate-chlorite-										
		sericite alteration.										
		The rocks are weakly to moderately										
		fractured/brecciated with darker carbonate-										
		chlorite ± serpentine and are moderately										
		veined and sparsely mineralized.										
		Near the upper contact of the carbonate										
		zone there is an interesting, zoned porphyry/										
		felsic volcanic sequence from 467.1-471.6.										
		This narrow sequence includes a very fine										
		grained, greyish cherty section at either										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		contact (467.1-467.6 and 471.1-471.6), followed										
		by a fine grained, sericitic quartz-'eye'										
		porphyry or rhyolite (467.6-469 and 470.2-	469	470	1						.066	Zoned por. - altered - pyritic.
		471.1), surrounding a darker grey, very well										
		mineralized central section from 469-470.2.										
		The overall contacts of the sequence are at:										
		70°/60°. Aside from the chlorite-carbonate-										
		pyrite central section, the sequence is										
		rather poorly veined and sparsely mineralized.										
		The zoned phenomenon of the sequence										
		tends to suggest that the genesis is intrusive,										
		thus porphyry, although there is little to										
		distinguish the section from a felsic volcanic.										
		There is also a narrow cherty section from										
		466.9-467, and there is some accessory										
		chlorite alteration (472.8-475.1) around a										
		cherty section from 474.1-474.5 and a brecciated										
		cherty section from 474.7-474.9.										
		After 475.1, return to light coloured										
		(felsic to intermediate) carbonate rocks with										
		erratic, narrow dark carbonate/carbonated										
		ultramafic portions as: 479.0-479.2, 491.4-										
		491.5 and 493.1-493.6.										
		From 487.4-489.5 there is a trace of										
		fuchsite in the carbonate.										
		At 498-500, broken core with strong										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		veining.										
		After 500, the rocks begin to grade										
		slightly darker in colour with a higher										
		percentage of darker carbonate, potential										
		carbonated ultramafic (very minor amount).										
		There are also a few bluish-tinged almost										
		opalescent quartz-carbonate veins between 505										
		and 511.										
		At 514.4, contact into a sequence of										
		porphyry and carbonate with much broken and										
		lost core. The main part of the sequence										
		extends to 548.9, with porphyry sections at										
		514.4-516, 516.4-530.0 and 537-541.5. Zones										
		of lost core are found at 525-527, 528-529,										
		531-533, 535-537, and 540-541, plus one foot										
		lost earlier in the drill hole at 504-505.										
		The porphyry sections are dark grey green										
		to dark green in colour with scattered										
		recognizable feldspars. In the two upper										
		units (i.e. 514.4-516, 516.4-530) portions of										
		the core are bleached buff in colour adjacent										
		to veining and are clearly porphyries, while										
		the lower unit contains fairly numerous brick										
		red feldspars. The rocks are, in general,										
		well altered with chlorite-carbonate, moderate										
		to poorly veined with quartz ± ankerite, and										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		sparsely mineralized with pyrite ± traces of chalcopyrite. Some of the pyrite occurs in coarser cubes to 2 mm in size. The intervening carbonate rocks are medium grey to grey green, locally dull yellow grey and yellowish grey green in colour - somewhat darker than at the top of the sequence. The gouged and lost core sections most likely represent carbonate units. The carbonate is moderate to poorly veined and sparsely mineralized. At 548, 4 cm of gouge previous to the basal section of carbonated intermediate and mafic volcanics (to 548.9). This basal section is darker green to grey green carbonate which is strongly laminated at 60-70° to the core axis. The lower contact is broken at 70°, at 548.9. At 548.9-551, contact to a narrow section of very fine grained dark green to black carbonated ultramafic previous to a zone of dark carbonate/carbonated mafic-ultramafic volcanics from 551-561.7. The carbonated serpentinite section is badly broken, well altered, poorly veined and sparsely mineralized. The dark carbonate, carbonated mafic-										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		ultramafic volcanics from 551-561.7 are much more uniform in appearance than previous. The rocks are fine grained and vary from dark green to dark grey green. The zone is well altered with carbonate, chlorite ± serpentine, is moderately veined and unmineralized. Locally, the carbonate is weakly brecciated, although in general, the rock is fairly massive with a local development of carbonate rosettes.				
		At 561.7, broken contact into a second sequence of porphyry. The porphyry varies from medium to pale grey, grey green and brownish grey in colour, with local buff coloured bleaching and brick red staining. The porphyry varies from cherty to moderately ankeritic, and is moderately altered with chlorite-ankerite. Ghost phenocrysts of feldspar are normally visible.				
		The porphyry is moderately veined with milky to porcelainous stringers of quartz ± ankerite but is very sparsely mineralized with pyrite. The core is weakly fractured with chlorite-ankerite and there are fairly numerous blebs of chlorite ± ankerite across the zone.				
		The lower contact is ill-defined at 595,				

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		or 595.6 due to lost core from 595-597. There is also lost core in the upper part of the dyke from 563-565.										
595	680.8	Carbonated Mafic and Ultramafic Volcanics - a sequence of dark coloured carbonate rocks which grade towards carbonated ultramafic below 626. The upper contact of the sequence is along a zone of lost core from 595-597, with additional lost core from 599-601 - the carbonate sequence is badly broken to 618. Although the core is moderately gouged and granulated, the carbonate is fairly uniform in appearance, varying from medium to dark grey green and green in colour with a local development of ankerite metacrysts. The carbonate is moderate to poorly veined and sparsely mineralized. At 597, there is a trace of fuchsite alteration. With the appearance of more ultramafic type material around 626 the carbonate zone grades darker in colour to dark green, dark grey green and black with a pervasive development of ankerite metacrysts. The core is rather uniform in appearance with minor										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		granulation up to approximately 651, below which the core is more badly broken.										
		At 665.1-667.2 and 669-669.3, there are two zones of gouge separated by a narrow section of strongly veined, contorted, dark green carbonate (667.2-669). From 669.3-676, the core is a rather strongly granulated, dark, carbonated ultramafic.										
		The base of the ultramafic sequence, from 676.0-680.8, is 'cooked' and bleached adjacent to the dyke of diabase which occurs below 680.8. The ultramafic is more competent than the gouged/granulated rocks and is streaky, layered and blotchy in appearance from the segregation of dark mafic minerals and greener, plagioclase-rich portions. The ultramafic is also strongly magnetic with streaks and irregular stringers of magnetite.										
		From 676-676.8, the ultramafic is strongly veined with quartz-ankerite, and from 676.8-677, there is a narrow fragment/remnant of serpentinized diabase in the ultramafic.										
		The lower contact is at 30° to the core axis.										
680.8	851	Diabase - a unit of dark green to black,										

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		Matachewan style diabase that is locally gouged and broken.				
		The first part of the sequence, to 684.6, is a possible dykelet of diabase which is followed by a narrow unit of black, streaky/ layered carbonated ultramafic from 684.6-685.7. The ultramafic is similar to the section 676-680.8 just previous to the diabase contact. Contacts of the ultramafic unit are at: $0^{o}/30^{o}$ - the diabase on either side of the unit being very fine grained and bleached dark purple grey to wine coloured.				
		The diabase grades from fine to medium grained around 718', and coarser grained after 741'. The unit is typically ophitic textured with greenish plagioclase and dark mafic minerals plus minor magnetite. The core is weakly altered with chlorite ± ankerite, and is weakly to moderately fractured with dark chlorite ± carbonate, serpentine.				
		The dyke is poorly to unveined with stringers of calcite ± quartz, and is sparsely to unmineralized.				
		From 746-748.3, and 781-784, the diabase is blocky and partly broken from fracturing at shallow angles to the core axis. From				

PROPERTY QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		826.5-834, the diabase is blocky and broken										
		around a zone of gouge from 830.4-831.0.										
		The end of the hole is also blocky and										
		broken from 844-851 with some broken pieces										
		of carbonated serpentinite and serpentinized										
		diabase between 847 and 849. There are										
		fragments of diabase below 849 - fine grained										
		and blocky diabase at the end of the hole.										
		At 851, the drill hole was lost when the										
		rods seized in blocky and broken ground.										
	851'	END OF HOLE										

DIAMOND DRILL REPORT

Location: XL 6+00W @ 0+50S

Core Size: BQ

Azimuth: 360°

Elevation: Surface

Dip: Collar @ -55°; @ 140'-57°; @ 340'-56°; @ 540'-56°; @ 740'-55°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY

Township: Taylor Township

Location of Collar from # Post of

HOLE No. QS-80 (i)

Commenced: 27th July 1983

Finished : 4th August, 1983

Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width	Au oz	Description of Sample
		SUMMARY LOG					
0	141'	Casing. (Casing pulled) - bedrock @ 136'.					
141	263	Porphyry Zone - cherty, moderate and					
		highly altered units with some intercalated	175.7	180.7	5'	.032	Porphyry - cherty.
		emerald green carbonate.	226.5	231.5	5	.016	Porphyry - cherty to highly alt.
263	307.2	Carbonate Zone with remnants of porphyry.					
		Emerald green and darker coloured carbonate					
		rocks.					
307.2	416.0	Emerald Green Carbonate Zone - rusted					
		to 366, brecciated, siliceous 366-416.0.					
416.0	491.0	Breccia Zone/Brecciated Dacite	472	477	5	.01	Dacite - weakly bx.
		with 416-426.1 quartz breccia, dacitic.	482	487	5	.016	Dacite - " "
		426.1-471.1 carbonate breccia, dacitic remnants.					
		471.1-491.0 weakly brecciated, amygdular dacite.					
491.0	556.8	Carbonate Zone - preliminary to					
		ultramafic - fault sequence.	551.1	556.6	5.5	.012	Porphyry - mod.veining - 3% py.
556.8	843	Carbonated Ultramafics with the majority					
		of gouged and granulated rocks below 655.5.					
	843'	END OF HOLE - HOLE LOST.					

DIAMOND DRILL REPORT

Location: XL 6+00W @ 0+50S

Core Size: BQ

Azimuth: 360°

Elevation: Surface

Dip: Collar @ -55°; @ 140'-57°; @ 340'-56°; @ 540'-56°; @ 740'-55°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY

Township: Taylor Township

Location of Collar from # Post of

HOLE No. QS-80

Commenced:

Finished: August, 1983

Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width							Description of Sample
0	141'	Casing. (Casing pulled) - bedrock at 136', casing driven to 141'.										
141	263	Porphyry Zone - a complex sequence of variably altered porphyry with a moderate amount of intercalated emerald green carbonate. The porphyries include three basic types of units - variations being largely a function of alteration as: : white to pale grey and off white cherty, brittle units with locally developed phenocrysts of albite. : grey to yellowish grey, cherty, moderately ankeritic units with 'ghost' cherty patches and occasional phenocrysts of feldspar with diffuse margins, and : dark yellow grey, yellow grey green and ochre coloured highly altered porphyries. Alteration of the porphyries includes sericite and carbonate ± fuchsite, chlorite. In the highly altered porphyries, specks of fuchsite are common and the bright yellow,										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		often lath-shaped sericite appears to be in part replacing albite. Throughout the sequence there are erratic units of normal to greyish emerald green carbonate with scattered darker grey to black and olive coloured carbonate patches. Locally in the emerald green carbonate sections, there are brick red streaks and lenses with hematite stain. The overall sequence is somewhat pervasively rusted from ankerite - rusting is common near the collar of the hole, but becomes more locally confined along unit contacts below 156'. The core is moderate to poorly veined with quartz ± ankerite, is sparsely mineralized with pyrite, and is weakly to moderately fractured with dark chlorite, carbonate. The breakdown of units within the sequence includes: 141-161.6: Cherty porphyry - in part stained and locally yellowish from rusting with ankerite. The main part of the white, cherty porphyry without staining occurs at the base of the unit, below 155. 161.6-163.8: Emerald green carbonate,				

DIAMOND DRILL REPORT

Hole No. QS-80

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		becoming darker greyish at base; schistose										
		at 45-50°.										
		163.8-166: Highly altered porphyry(?) -										
		finely granular, strong carbonate, wisps and										
		threads of sericite, specks of fuchsite.										
		Locally the matrix appears cherty.										
		166.0-167.2: Emerald green carbonate.										
		167.2-169.7: Highly altered porphyry(?)-										
		(possible dacite?) - very fine grained to										
		locally finely granular, yellow grey green										
		to putty coloured, specks of fuchsite, chlorite										
		169.7-170.9: Emerald green carbonate.										
		170.9-171.5: Broken core - highly altered										
		carbonate, carbonated porphyry with narrow										
		sections of emerald green carbonate.										
		171.5-193: Cherty porphyry - white to	175.7	180.7	5'						.032	Porphyry
		pale grey, weakly rusted at upper contact.										
		There are inclusions(?) within the system										
		at: 174.7-175.0 - dark grey granular carbonate/										
		carbonated mafic volcanic; 175.5-175.8 -										
		yellowish, highly altered porphyry (or dacite?),										
		with ghost cherty patches, specks of fuchsite										
		and strong sericite alteration; 176.1-176.2 -										
		grey, cherty, moderately ankeritic porphyry;										
		177.3-177.7 - grey to pale brownish grey,										
		cherty, moderately ankeritic porphyry with										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		diffuse phenocrysts and traces of fuchsite;										
		178-178.6 - moderately ankeritic porphyry,										
		with moderate pyrite, and 184.5-184.7 - dark,										
		granular carbonate.										
		193-205.6: Dark, chloritized, highly										
		altered porphyry which grades to lighter										
		coloured, highly altered, finely granular										
		porphyry below 199.6, with sericite, fuchsite										
		and ghost cherty patches. Lost core 193-198;										
		cherty, weakly rusted porphyry 200.5-200.8.										
		205.6-207.3: Emerald green carbonate -										
		strongly rusted, plus there are blebs and										
		patches of darker coloured carbonate.										
		207.3-208.0: Highly altered porphyry										
		with sericite pseudomorphic after albite(?).										
		208.0-209.8: Emerald green carbonate,										
		rusty, with darker carbonate blebs and										
		patches plus minor hematite stain.										
		209.8-213.4: Grey, cherty, moderately										
		ankeritic porphyry with strong ankerite to										
		211, followed by a chertier zone 211-212.2,										
		previous to darker, more strongly chloritized,										
		highly altered porphyry at the base (212.2-										
		213.4).										
		213.4-216.5: Emerald green carbonate										
		with reddish blebs and streaks from hematite.										

DIAMOND DRILL REPORT

Hole No. QS-80

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Au oz	Description of Sample
		The core is broken, with ground core from					
		216-216.5. In a section 214.5-215.1, there					
		are fragments of darker, chloritized, highly					
		altered porphyry.					
		216.5-217.3: Grey, cherty, moderately					
		ankeritic porphyry.					
		217.3-225.6: Highly altered porphyry					
		with some darker grey sections as: 219-221,					
		224.8-225.6 plus some emerald green carbonate					
		at: 221-221.5 and 224.1-224.7.					
		225.6-228.6: Grey and cherty to cherty,	226.5	231.5	5'	.016	Porphyry.
		moderately ankeritic porphyry with some					
		rusting from ankerite at: 226.5-227.					
		228.6-234.7: Highly altered porphyry,					
		some ghost cherty patches - broken core.					
		234.7-238.6: Emerald green carbonate -					
		dull to normal.					
		238.6-263: Highly altered porphyry with					
		narrow intercalated sections of emerald green					
		carbonate around the upper (238.6-240.8) and					
		lower (262.2-263) portions. The porphyry is					
		well altered with sericite and contains some					
		ghost cherty patches. The core is blocky and					
		broken with ground core from 262.5-263.					

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
263	307.2	Carbonate Zone with remnants of porphyry				
		- a sequence of emerald green and darker				
		coloured carbonate rocks which probably form				
		part of the overlying sequence, although the				
		dominant rock type in this section is carbonate.				
		At the start of the zone, from 263-266.6,				
		the rock is emerald green carbonate which				
		becomes much darker grey to black carbonate				
		from 266.6-278.8. Both carbonate units are				
		coarsely granular - the lower, darker unit				
		also being pervasively rusted with ankerite.				
		The core is partly blocky and broken.				
		Traces of fuchsite are found throughout				
		the darker carbonate rocks, plus there are				
		fairly numerous brick coloured blebs and				
		patches related to hematite staining.				
		At 278.8, return to emerald green				
		fuchsitic carbonate rocks with blebs and				
		patches of hematite plus scattered sections				
		of grey to brownish olive carbonate and				
		erratic units of porphyry. Locally, the core				
		is moderate to strongly rusted with ankerite.				
		From 280.2-280.8, there is a 3 cm cream				
		coloured dyke running almost along the core				
		axis - a weakly rusted cherty porphyry(?).				
		At 282.9-283.7 - pale grey green to				

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		grey olive, highly altered porphyry(??) -										
		the rock has a weakly siliceous groundmass										
		which is speckled with sericite (after feld-										
		spar?). The contacts of the unit are										
		irregular at: 50°/30°.										
		From 284.9-285.3 and 296-296.6 there are										
		two narrow units similar to the section of										
		highly altered porphyry from 282.9-283.7										
		except that the rocks are brecciated.										
		Contacts of the upper unit are at: 60°/40°,										
		while the lower unit is along the core axis.										
		From 298.0-302.0, there is a narrow,										
		granular unit of grey brown to buff olive										
		and dark grey carbonate. Texturally the										
		carbonate is similar to the previous porphyry										
		sections although the mineralogy appears to										
		be entirely carbonate-chlorite with a per-										
		vasive development of carbonate rosettes.										
		Contacts of the unit are at: 30°/35°.										
		The base of the carbonate zone is along										
		a brecciated, altered unit of probable cherty										
		porphyry, from 303.1-307.2. The upper part										
		of the porphyry, to 304.0, is brecciated and										
		greyish in colour, which is followed by white,										
		well fractured porphyry to 304.8, with a										
		moderately fractured, weakly rusted, ankeritic										

DIAMOND DRILL REPORT

Hole No. QS-80

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		basal zone from 304.8-307.2. Both contacts				
		of the unit are broken.				
307.2	416.0	Carbonate Zone - a sequence of emerald				
		green fuchsitic carbonate rocks that are				
		distinguished from the overlying unit by the				
		relative lack of porphyry.				
		The overall carbonate zone can be sub-				
		divided into an upper portion, from 307.2-				
		366, of variably altered and rusted carbonate				
		with a lower portion from 366-416.0 of more				
		siliceous, brecciated carbonate rocks.				
		The upper carbonate portion varies from				
		dull, normal to dark, rich emerald green in				
		colour and contains erratic narrow streaky				
		sections with accessory sericite alteration				
		near the top of the sequence as: 326-327.3				
		and 333-336.4. At the upper contact, from				
		307.2-313, and later in the sequence from				
		327-334, the carbonate rocks are blocky,				
		broken and rusted with lost core from 329-333				
		- the upper broken section is also well				
		veined with stringers of quartz-ankerite.				
		Near the base of the upper, moderately				
		rusted carbonate portion and continuing into				
		the lower more siliceous, brecciated carbonate				

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		rocks there are irregular greyish coloured siliceous patches/lenses which could be remnants of either porphyry or dacite - see fine grained sections at 355.7, 373.3. Below the zone of lost core from 329-333, there is a small fragment of brecciated, sericitic core from 333-333.5. With the start of the brecciated, more siliceous carbonate rocks around 366, there is a parallel increase in the amount of veining. The fuchsitic carbonate grades to dull and greyish emerald green in colour with normal to dark rich portions. The carbonate is moderately speckled with dark green to black chlorite ± ankerite, and contains scattered fragments/patches of variously altered and carbonated material. From 407-411 blocky and broken core with accessory rusting from ankerite followed by more strongly brecciated emerald green carbonate with scattered siliceous fragments and a narrow remnant of porphyry from 413.2-413.5. Some of the siliceous fragments in this basal contact zone (i.e. 411-416.0) appear to have been originally porphyry. The lower contact of the sequence is sharp at 55°.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
416.0	491.0	Breccia Zone/Brecciated Dacite(?) - a sequence of variably altered and brecciated dacite and carbonate rocks of probable dacitic affinity. The sequence is readily divisible into three main sections as: 416.0-426.1, 426.1-471.1 and 471.1-491.0.										
		The upper zone, from 416.0-426.1, is predominately a quartz breccia with numerous ovoid to subrounded fragments of quartz up to 1 cm in size in a very fine grained, dark grey to grey olive, carbonate-chlorite-rich matrix. Erratic fragments in this section appear to have been originally porphyry - finely granular, grey, cherty and moderately ankeritic. Rare fragments of carbonate are noted.										
		The matrix component of the breccia is very similar to the basal part of the sequence (i.e. 471.1-491.0), which is more definitely dacitic. Aside from fragments of quartz (stringer material?) this upper section is effectively unveined and unmineralized.										
		From 420.7-422, the core is a pale grey olive to greyish ochre coloured carbonate/ carbonated dacite.										
		Below 426.1 the breccia zone becomes strongly carbonated, resulting in grey olive										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		to yellow olive and yellowish grey carbonate										
		rocks with patches/fragments of broken										
		stringer material. The fragment component										
		is more angular with depth, particularly after										
		458, where there are fragments of emerald										
		green carbonate, quartz, porphyry(?) and										
		dacite in a strongly carbonated matrix.										
		Fragments/patches range up to 2 cm in size										
		with average fragments in the range of 5 mm -										
		1 cm.										
		Most of the buff to yellowish coloured										
		fragments noted appear to be dacitic in that										
		the rocks are considerably finer grained and										
		unlike most of the porphyry units noted. The										
		most obvious section of fine grained, yellow										
		grey to grey buff, brecciated dacite occurs										
		between 463.3 and 465.5. There are traces										
		of fuchsite throughout the breccia section.										
		At 471.1, contact to a sequence of much										
		more massive, weakly brecciated, grey to	472	477	5'						.01	Dacite - mass., mod.veining.
		grey brown and grey olive dacite - in most										
		respects nearly identical to the matrix com-										
		ponent of the upper breccia zone (i.e. 416.0-										
		426.1). As a colour reference, both of these	482	487	5						.016	Dacite.
		units (416-426.1 and 471.1-491) are similar										
		to units of sediment seen elsewhere in Taylor										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		Township, although texturally the rocks are										
		much finer grained and non detrital in										
		appearance. This lower unit also contains										
		distinctive quartz-filled amygdules ± quartz										
		'eyes'. The dacite is effectively unveined										
		and is very sparsely mineralized with pyrite										
		± chalcopyrite.										
		The lower contact of the sequence is										
		blocky and broken.										
491.0	556.8	Carbonate Zone - a sequence of well										
		veined, schistose and contorted carbonate										
		rocks preliminary to a fault zone at 556.8.										
		The lower contact is arbitrarily placed at										
		556.8 along a unit of porphyry, below which										
		the rock is a carbonated ultramafic.										
		The carbonate varies from olive to										
		yellow olive and grey olive in colour at the										
		top of the zone to darker green, dark grey										
		green, dark grey and olive coloured carbonate										
		rocks below 545. The change in colour of the										
		carbonate is also marked by a change from										
		schistose to highly contorted and schistose										
		rocks around 545 - the upper section is										
		sheared/schistose at 50-55°, while the lower										
		zone varies from 30-60° (average schistosity										
		55°).										

DIAMOND DRILL REPORT

Hole No. QS-80

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		Dark carbonate/carbonated ultramafic										
		rocks first appear in the system at 509.3 -										
		the ultramafic component steadily increasing										
		with depth. Most of the core in the section										
		above the ultramafic (i.e. above 509) is										
		blocky and broken.										
		Also in the upper portion of the sequence										
		there are a few, narrow, cherty, more sili-										
		ceous sections that may represent remnants of										
		porphyry. These sections are very fine										
		grained, siliceous and brittle with few										
		characteristics diagnostic of porphyry,										
		although the units are generally wider and										
		harder than most of the surrounding veining										
		which contains a strong ankerite component.										
		Units of potential porphyry include: 501.3-										
		505.6, 506.6-507.1 and 507.3-507.7.										
		The base of the preliminary carbonate										
		sequence is defined by a unit of grey to										
		pinkish grey and brownish grey, cherty,										
		moderately ankeritic porphyry from 551.0-556.8.										
		The dyke is fine grained, cherty and brittle.										
		The core is moderately veined with quartz ±										
		ankerite and is moderately mineralized with										
		2-5% finely disseminated pyrite. Both	551.1	556.6	5.5						.012	Porphyry - mod.veining - 3% Py.
		contacts are broken with veining.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
556.8	843	Carbonated Ultramafics - a sequence of variably altered and schistose carbonated ultramafics with sections of gouge and granulation below 600'. At the start of the sequence, the rock is a dark, sheared/schistose, well veined, contorted, carbonated ultramafic which grades to more definite black and blue black carbonated serpentinite below 573. The upper carbonated section contains 50-60% quartz-ankerite in streaks and veins while after 573, the carbonated serpentinite averages 10-20% quartz-ankerite in veining and discontinuous lenses/fragments of stringer material. Also in the upper part of the sequence (to 573), there are two narrow units of pinkish grey to grey brown, cherty, moderately ankeritic porphyry at: 558.3-558.8 and @ 559.5 - 2 cm. The porphyry units are identical to the porphyry at the base of the previous carbonate sequence, along which the contact was defined. The carbonated serpentinite below 573 is much more uniform in appearance than the upper part of the section. The rock is fine				

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		grained, dark green to black and blue black										
		with a local fine development of carbonate										
		rosettes. Only locally is the core layered/										
		streaky from interlaminated carbonate-chlorite-										
		serpentine similar to the preliminary car-										
		bonate sections as at 598 - 2 cm, and 605-										
		605.7.										
		From 608-615.9 and 616.3-617.1 there are										
		two narrow units of lighter coloured, bluish										
		grey, carbonated serpentinite with a central										
		zone of mud gouge from 616-616.3. The ultra-										
		mafic contains scattered aggregates of fine										
		grained pyrite in addition to some coarser										
		crystals of pyrite to 5 mm in size in the										
		blue grey serpentinite and in the nearby										
		laminated zone from 605-605.7.										
		From 632.6-633.5, there is a grey,										
		coarse grained, granular, carbonated section										
		in the ultramafic which contains quartz 'eyes',										
		relict feldspars, and biotite - a potential										
		carbonated porphyry(?). Contacts of the										
		section are at: $30^{o}/55^{o}$.										
		Around 652.6 the ultramafic becomes brec-										
		ciated previous to a zone of strong granulation,										
		gouge, and broken core from 655.5-661.0.										
		Below 661 the ultramafic alternates from										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		moderately brecciated to more competent, fine grained and uniform as previously seen. There are sections of strongly granulated, gouged and broken core throughout this portion (to 713) as: 679.5-681 broken; 682.6-683 gouged, broken; 686-687.3 broken; 703.6-705.6 broken, and 706.6-713 broken, gouged and granulated.										
		At 677.4-679.2, 693.8-696, 696.6-696.8, @ 696.9 and 697-697.4, there are units of pinkish to white, fine grained porphyry/ albitite. Contacts of the units are normally diffused and absorbed with the adjacent ultramafic rocks.										
		After the broken, gouged and granulated core from 706.6-713, there is a short section of uniform, more competent ultramafic which becomes notably brecciated below 728.										
		The ultramafic varies from weakly to moderately brecciated to the end of the hole with sections of strong granulation at 751.8-754.0, 767.5-768.5 and 826.4-843 - this lower section being both strongly granulated and gouged.										
		From 770-772.7, there is a narrow grey, altered, coarse grained, felsic intrusive at:										

DIAMOND DRILL REPORT

Hole No. QS-80

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		70°/70°. The intrusive is composed of quartz, albite and biotite, with accessory carbonate and scattered grains of exsolved magnetite. The contacts, as well as the upper portion of the dyke, are altered with chlorite, carbonate and serpentine. Due to the faulting with gouge from 826.4-843, the diamond drill was unable to proceed further.										
	843'	END OF HOLE - HOLE LOST.										

DIAMOND DRILL REPORT

Location: XL 2+00W @ 6+00N

Core Size: BQ

Azimuth: 0°

Elevation: Surface

Dip: Collar @ -55°; @ 133'-54°; @ 330'-53°; @ 540'-53°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY

Township: Taylor Township

Location of Collar from # Post of

HOLE No. QS-81 (i)

Commenced: 15th August, 1983

Finished : 20th August, 1983

Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width							Description of Sample
		SUMMARY LOG										
0	134.7'	Casing. (Casing pulled).										
134.7	322.6	Emerald Green Carbonate Zone -										
		with scattered darker carbonate patches.										
		134.7-194 strong rusting and strong veining (30-50%).										
322.6	420.7	Sediments - argillite, silt and arkose/greywacke.										
		322.6-341: strong brecciation.										
		341-383: blocky, granulated, gouged.										
		383-420.7: blocky but more uniform.										
420.7	437	Carbonate Breccia - light coloured.										
437	443	Porphyry and Brecciated Porphyry -										
		brecciated with dark carbonated ultramafic.										
		440-443 lost core.										
443	501.8	Diabase - Matachewan Style -										
		fractured, altered and blocky.										
501.8	678	Ultramafics, Carbonated Ultramafics										
		with gouged and broken sections.										
		501.8-593.8: gouged, granulated.										
		593.8-644.4: more competent serpentinite, pyroxenite(?)										
		644.4-678: gouged, granulated.										
678	715.3	Carbonated Mafic to Ultramafic Volcanics.										
715.3	869	Carbonate Zone/Carbonated Volcanics										
		715.3-777: felsic to intermediate. 777-869: carbonated mafic tuffs.										
	869'	END OF HOLE (Hole lost from caving in xn 501.8-678).										

DIAMOND DRILL REPORT

Location: XL 2+00W @ 6+00N

Core Size: BQ

Azimuth: 0°

Elevation: Surface

Dip: Collar @ -55°; @ 133'-54°; @ 330'-53°; @ 540'-53°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY

Township: Taylor Township

Location of Collar from # Post of

HOLE No. QS-81

Commenced:

Finished : August, 1983

Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width	Description of Sample
0	134.7'	Casing. (Casing pulled) - the casing				
		was cemented from 130-134.7 and contains 3				
		boulders of diabase, 1 boulder of granite.				
134.7	322.6	Emerald Green Carbonate Zone - a				
		sequence of bright green, fuchsitic carbonate rocks				
		with scattered, darker coloured carbonate				
		patches.				
		The carbonate, predominately ankerite,				
		varies from normal to dark rich emerald green				
		in colour with greyish to olive coloured				
		patches. The carbonate is moderate to				
		strongly rusted from ankerite, particularly				
		in the upper part of the sequence (to 194),				
		with more localized rusted zones from 194-				
		278 and weakly rusted sections between 278				
		and the base.				
		In a short section from 278-285, the				
		carbonate grades to a more normal emerald				
		green colour without darker patches, and				
		there is a decrease in the amount of quartz				
		and quartz-ankerite veining - the previous				
		part of the sequence (from 134.7-278) carries				

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		30-50% stringer material with some associated(?)										
		brecciation, while below 278 the stringer										
		content drops to 20-30%, and the rocks are										
		weakly to nonbrecciated.										
		The carbonate sequence contains trace										
		amounts of pyrite, plus the occasional brick										
		red patch of hematite stain. There are a few										
		greyer ankeritic sections with well developed										
		carbonate rosettes in the fuchsitic carbonate										
		between 198 and 278.										
		Greyish to olive and, at this point, black										
		coloured patches return to the carbonate										
		sequence below 285 - the darker grey and black										
		portions appearing to have an ultramafic										
		affinity.										
		The base of the carbonate sequence from										
		320.8-322.6 is lightly rusted from ankerite and										
		has a slightly more siliceous appearance. The										
		lower contact is sharp at 55°.										
322.6	420.7	Sediments - a sequence of interbedded										
		argillite, silt and greywacke/arkose, the upper										
		portion of which is moderate to strongly										
		brecciated.										
		Although locally the colour index of the										
		sediments is very similar to the dacitic										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		sequence in DDH QS-80, the sediments are										
		generally distinguished by the presence of										
		bedding, granular, detrital material and										
		graphite, in the absence of well defined										
		sedimentary structures.										
		The sedimentary sequence is divisible into										
		three parts - an upper, moderate to strongly										
		brecciated zone to 341', followed by a zone of										
		blocky ground with scattered sections of										
		granulation, gouge and lost core from 341-383,										
		previous to more uniform, although still blocky,										
		sediments at the base of the sequence from										
		383-420.7.										
		In the upper section, 322.6-341, brecciation										
		interrupts the bedding of dark graphitic slates/										
		argillites, brownish to brownish olive silts										
		and medium to pale grey and grey green grey-										
		wacke(?). The greywacke sections are nearly										
		featureless with few identifiable parameters,										
		although elements of the greywacke are similar										
		to the arkosic units in DDH QS-79 - i.e. the										
		rocks are finely granular with traces of										
		sericite, muscovite and scattered black specks										
		of graphite.										
		Veining in the brecciated sediments is										
		variable, with 5-15% quartz and quartz-carbonate										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		stringers. The most strongly brecciated portion										
		from 322.6-341, however, contains numerous										
		fragments of stringer material occupying up to										
		50% of the rock volume.										
		The lower contact of the brecciated										
		portion is fairly well defined at 15° to the										
		core axis, at 341'.										
		Below 341, the sediments are not as strongly										
		brecciated although the core is, in general,										
		badly broken with scattered sections of gouge										
		and granulation at shallow angles to the core										
		axis and zones of lost core at: 365-367, 373-										
		377, 378-379 and 382-383.										
		The ground continues to be blocky below										
		383, although the amount of brecciation has										
		decreased and individual beds are more readily										
		distinguished. The bedding throughout most of										
		the zone, except for the upper breccia horizon,										
		is characterized by relatively thick units of										
		arkose/greywacke from 1-3m in thickness (average										
		thickness 1-1.5m) separated by thin horizons										
		of argillite/slate from a few millimeters to										
		50 cm. in thickness (average thickness <1 cm).										
		Thus on an average 5 ft. of drill core, only										
		1-2 cm (less than 2%) would be argillite.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		The lower section of sediments (i.e. below 383') exhibits much better defined, granular, arkosic units but due to the blocky nature of most of the core, bedding contacts are normally broken.										
		The sediments are moderately veined with milky to porcelainous stringers of quartz and quartz-ankerite, and are variably mineralized with very fine grained pyrite ± traces of chalcopyrite - the overall sulphide content is less than 2%.										
		The lower contact zone, from 417.3-420.7, is along a greyish coloured breccia horizon that could either be part of the overlying (physically) sediments or the adjacent carbonate breccia (sediments preferred). Effectively all of the fragments appear to be stringer material.										
420.7	437	Carbonate Zone - a sequence of light coloured carbonate breccia, potential carbonated, brecciated felsic to intermediate volcanics - this genesis, however, is very uncertain. The carbonate breccia varies from yellowish grey green to yellowish grey and dull yellow ochre in colour and contains fragments and										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		discontinuous lenses of stringer material - both quartz and quartz-ankerite. The carbonate is very well altered with chlorite, carbonate, sericite and fuchsite, and is fractured/ brecciated with fine stringers and threads of chlorite, carbonate, sericite, at variable angles to the core axis. The lower contact is broken.										
437	443	Porphyry Unit - broken contact into a dyke of fine grained feldspar(?) porphyry which becomes well fractured and brecciated below 438.6. The porphyry is fine grained, grey and cherty, and is increasingly fractured with dark carbonate/carbonated ultramafic approaching the contact with diabase at 443. The lower contact zone is along a section of lost core from 440-443 - the fragments of core available over the 439-440 interval containing fragments of porphyry and carbonated ultramafic.										
443	501.8	Diabase - a very well fractured and altered dyke of apparent Matachewan style. The diabase is fine to medium grained and										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		blocky - the dyke containing numerous fractures										
		and slips with dark chlorite, carbonate, ser-										
		pentine ± epidote. Fractures and slips are										
		generally at shallow angles to the core axis										
		which promotes the blocky, broken nature of the										
		sequence.										
		The diabase is moderately altered, very										
		poorly to unveined and unmineralized.										
		The lower contact is along a zone of										
		broken core from 499-501.8.										
501.8	678	Ultramafic and Carbonated Ultramafic Zone										
		- a sequence of variably altered and faulted										
		ultramafic rocks which are divisible into										
		upper, central and lower zones at 501.8-593.8,										
		593.8-644.4, and 644.4-678 respectively.										
		The upper zone from 501.8-593.8 is a										
		rather thoroughly gouged and granulated dark										
		carbonate/carbonated ultramafic which is most										
		strongly gouged and broken along the basal										
		portion from 562.6-593.8. Sections of lost										
		core in this upper zone are found from 515-517,										
		523-527 and 547-549.										
		At 505.2-506.3 contacts: 50°/broken and										
		509.2-510.2 contacts: 30°/50°, there are two narrow inclusions/remnants of porphyry. Both										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		units are fine grained, partly granular with carbonate and are harder and more siliceous than the adjacent rocks. The upper unit appears to contain relict brick red feldspars while the lower unit is relatively nondescript. The two units vary from dark grey to dark reddish grey and black in colour and are highly altered, poorly veined and sparsely mineralized. From 544.7-546.7 there are similar fragments of highly altered, brick red feldspar porphyry in a zone of broken core. The porphyry is strongly altered and fractured with chlorite, carbonate, serpentine, plus contacts are diffused and absorbed with the adjacent ultramafics. From 547-549 lost core. Within the basal part of the upper ultramafic zone (i.e. the portion from 562.6-593.8), the section from 567.7-593.8 is quite unlike the remainder of the sequence. The ultramafic, in this section - a pyroxenite(?) - contains numerous blebs and patches of brick red hematite staining plus dull buff and bronze coloured, earthy flecks of bronzite(?). The central zone of the ultramafic sequence, from 593.8-644.4, consists of much more competent, weakly to nonbrecciated, carbonated ultramafic.				

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		The upper part of this zone, most particularly from 599.7-624.2, is a black, weakly brecciated, streaky, carbonated ultramafic with numerous lenses, streaks and stringers of magnetite - the rock is strongly magnetic. Below 624.2, the ultramafic becomes more uniform in appearance and is fine grained, dark blue grey to blue black and dark green in colour, and contains numerous spots of exsolved magnetite. The base of the 'spotted' sequence grades increasingly brecciated with moderate to strong granulation after 644.4. The lower zone of the ultramafic sequence from 644.4-678 is dark green to black and blue black carbonated ultramafic with strong granulation from 644.4-659.6, followed by strong gouge from 659.6-662. Below 662, gouge and granulated sections are more scattered as: 668.5-668.8, 676.8-677.3 and 677.8-678. The presence of exsolved magnetite as noted in the basal 'spotted' section of the central zone continues into the granulated lower zone to 648, below which little or no magnetite is megascopically visible. The lower contact zone is granulated, gouged and broken at 50° to the core axis.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
678	715.3	Carbonate Zone, Dark Carbonate Rocks - a sequence of dark coloured carbonate rocks/ carbonated mafic volcanics with an initial high proportion of carbonated ultramafic material. The carbonate zone is streaky/layered and brecciated in appearance with layers/stringers and lenses of ankerite ± quartz set in dark chlorite, carbonate, serpentine alteration. The rather false layering is locally contorted but has an average inclination of 50-60° to the core axis. The carbonate varies from medium to dark grey green, green and black in colour, the colour index becoming lighter with depth as the proportion of ultramafic material decreases. Ultramafics are present to the end of the sequence. The rocks are highly altered, well veined and sparsely mineralized. The core is moderate to well fractured with dark, streaky, chlorite, carbonate, serpentine alteration normally sub-parallel to the prevailing schistosity. At 687.4-687.8 - gouge zone. From 708.1-708.3, there is a thicker than average quartz vein with several splashes of chalcopyrite. Below the vein there is some										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		accessory pyrite in the dark carbonated mafic/										
		ultramafic to 709.0.										
		The lower contact of the sequence is										
		tentatively placed at 715.3 with the disappearance										
		of ultramafic material - the contact sequences										
		are gradational.										
715.3	869	Carbonate Zone - a gradational sequence of										
		light to dark coloured carbonate rocks - the										
		light coloured rocks probably representing										
		carbonated intermediate to felsic volcanics										
		with the darker portions being indicative of										
		intermediate to mafic rocks.										
		The sequence can be split into an upper										
		more felsic portion from 715.3-777, and a										
		lower more mafic portion from 777-869 - the										
		gradational change being related perhaps to a										
		zone of lost core from 780-785.										
		The carbonate rocks in the upper half of										
		the sequence (i.e. 715.3-777), vary from grey										
		olive to yellow olive and yellow grey in colour										
		and are highly altered, moderately to well										
		veined, weakly to moderately brecciated,										
		variably schistose (at 50-60°) and sparsely										
		mineralized. The rock appears to be a carbonated intermediate volcanic - probably dacite - based										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		largely upon the light colour of the rocks and										
		the presence of sericite.										
		The carbonated 'dacite' grades toward a										
		carbonated mafic volcanic in the range of										
		andesite to basalt after a narrow unit of										
		altered porphyry from 774.6-777. A similar,										
		narrow unit of altered porphyry is found at										
		762.9-763.5.										
		The porphyries vary from medium to pale										
		grey, brownish grey and dark grey green in										
		colour and contain scattered 'ghost' pheno-										
		crysts of feldspar. Both units are cherty and										
		moderately ankeritic. The core is moderately										
		veined with milky stringers of quartz ± ankerite										
		and is moderately mineralized with finely										
		disseminated pyrite.										
		Below 777, the carbonate rocks grade										
		darker in colour and are close to reaching an										
		ultramafic composition at the end of the hole										
		when the drill hole was lost due to caving and										
		sanding from the earlier ultramafic/fault										
		sequence (i.e. 501.8-678). Overall, the lower										
		zone is somewhat fresher in appearance although										
		the rocks are streaky/layered from lenses,										
		stringers and fragments of quartz-ankerite										
		stringer material plus alteration-filled fractures										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		at 40-60° to the core axis. The matrix com-										
		ponent of the lower sequence, however, is also										
		layered and appears to be tuffaceous, with										
		'ghost' lapilli-sized fragments, blebs and										
		lenses stretched subparallel to the schistosity.										
		Within the lower sequence there are also										
		several interesting units as:										
		797.1-799.0: A streaky, layered carbonate										
		that is much brighter green in colour from										
		fuchsite alteration.										
		806.4-806.7: Brownish buff to grey, partly										
		streaky, cherty zone that is moderately										
		mineralized with fine pyrite and contains										
		quartz 'eyes'. The unit is probably part of										
		the tuff sequence rather than a porphyry since										
		the zone is both conformable and, in part,										
		layered.										
		813.5-827.5: A more siliceous zone with										
		local accessory sericite alteration and										
		somewhat better defined lapilli-sized fragments,										
		even though most of the fragments are stringer										
		material. Within this zone there is a grey,										
		cherty, streaky/layered section from 824.1-										
		824.6 which, due to its streakiness, suggests										
		a cherty tuff or interflow unit.										
		832.1-833.4: Dacite Tuff(?) - an interlayered										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		succession of dark brown to ochre and yellow										
		sericite-chlorite alteration and greyish										
		carbonate-silica-rich lenses/layers. The unit										
		is fine grained, conformable and is well										
		mineralized with fine pyrite.										
		835.3-835.9: Brownish grey to grey,										
		granular, silica-rich section that appears to										
		be a more carbonated version of the just										
		previous dacite tuff.										
		854.3-854.6: Dark grey to dark brownish										
		grey, granular/sugary, weakly layered chert or										
		cherty tuff unit, that is moderately mineralized										
		with fine pyrite.										
		Below the cherty unit from 835.3-835.9,										
		the carbonated mafic tuffs grade rapidly darker										
		in colour and there is an element of dark										
		carbonate-chlorite-serpentine alteration in										
		the sequence after 856 - no distinct carbonated										
		ultramafics are noted by the end of the hole,										
		however.										
	869'	END OF HOLE - HOLE LOST.										

Location: XL 2+00W @ 3+00N

HOLE No. QS-82 (I)

Core Size: BQ

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY

Azimuth: 360°

Township: Taylor Township

Commenced: August 29, 1983

Elevation: Surface

Location of Collar from # Post of

Finished : September 6, 1983

Dip: Collar @ -55°; @ 160'-57°; @ 360'-54°; @ 560'-52°; @ 690'-52°

Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width						Au ozs	Description of Sample
		SUMMARY LOG										
0	163'	Casing. (Casing pulled) - ovb. to 160'.										
163	226	Coarse Mafic Flow - magnesian(?)										
226	346	Mafic Flow/Pillow Lava - andesitic,										
		contacts are along zones of lost core as: 226-229										
		and 346-352 (next xn.)										
346	434	Porphyry-Carbonate Sequence - blocky and										
		broken core with 356-358, 427-428 lost.										
		346-379.3 - cherty and highly altered porphyry.										
		379.3-418.4 - carbonated porphyry.										
		418.4-434 - carbonate and porphyry.										
434	512.3	Carbonate Zone - blocky, with:										
		434-455 - emerald green carbonate.										
		455-479 - sericitic carbonate + porphyry.										
		479-512.3 - emerald green carbonate.										
512.3	623.9	Breccia Zone - brecciated sediments and	512.6	514.0	1.4'						.016	Sediments.
		carbonate breccia; blocky, broken core.	514	519	5'						.056	Carbonate bx.
		Sediments at: 512.3-513.8, 528-563, 604-614.										
623.9	695	Carbonated Mafic and Ultramafic										
		Volcanics - streaky/layered/schistose, blocky.										
	695'	END OF HOLE										

Location:

Core Size: BQ
Azimuth: 360°
Elevation: Surface
Dip: Collar @ -55°; @ 160'-57°; @ 360'-54°; @ 560'-52°; @ 690'-52°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - ASHBY PROPERTY
Township: Taylor Township
Location of Collar from # Post of

Commenced: August 29, 1983
Finished : September 6, 1983
Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width							Description of Sample
0	163'	Casing. (Casing pulled) - overburden to 160', casing driven to 163'. 0-57 sand and clay; 57-100 boulder horizon - making water; 100-160 sand and clay.										
163	226	Coarse Mafic Flow - a sequence of medium to fine grained mafic volcanics with a presumed magnesian affinity. At the collar of the hole, to approximately 175, the volcanics are medium grained and somewhat granular textured with carbonate, chlorite, plagioclase ± serpentine. Below 175, the rocks become gradually finer grained approaching the lower contact. There is a spotted nature to most of the core due to fairly numerous subrounded to ovoid blebs of dark chlorite ± serpentine. The matrix component of the finer grained volcanics commonly exhibits a finely felted texture from the presence of chlorite and tremolite/actinolite(?). The mafic volcanics vary from dark green to dark grey green in colour and are relatively										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		fresh in appearance. The rocks are weakly to moderately altered with carbonate and chlorite ± epidote, are poorly veined and unmineralized. The mafic (andesite to basalt in composition) sequence is often fractured at low angles to the core axis with chlorite, hematite ± quartz-carbonate veining and local streaky epidote alteration. None of the volcanics are magnetic. Approaching the lower contact, the mafic flow becomes much finer grained and more siliceous in appearance previous to a section of lost core at the contact from 226-229.				
226	346	Mafic Flow/Pillow Lava - a much finer grained sequence of andesitic volcanics which are locally pillowed in appearance. The upper contact of the sequence is along a zone of lost core from 226-229, followed by blocky and broken core to 231.5. The first few fragments in the blocky zone are pale green in colour, very fine grained and cherty - potential flow top material(?). Below the zone of blocky core the sequence is very fine grained, partly silicified and bleached, and has a remotely pillowed appearance				

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		from the presence of dark, chloritic,										
		irregularly-spaced selvage zones at variable										
		angles to the core axis. The rock varies from										
		medium to pale green and grey green in colour										
		with darker green, chloritic, selvage zones -										
		the sequence grades marginally lighter in										
		colour with depth.										
		The core is weakly to moderately altered										
		with chlorite, carbonate ± local hematite, is										
		poorly to moderately veined with quartz-										
		carbonate, and is sparsely mineralized with										
		pyrite. The sulphide mineralization is most										
		common within or around selvage zones, or										
		adjacent to stringers.										
		There are at least two, and possibly										
		three, generations of stringers in the pillowed										
		sequence - the oldest set of quartz-calcite										
		stringers at roughly 65° are offset by quartz-										
		calcite stringers at 30-45°, with an apparent										
		younger set at 0-30° to the core axis. The										
		youngest set, at 0-30°, are predominately										
		calcite and may not offset but do crosscut the										
		other generations.										
		Adjacent to the dark selvage zones the										
		andesite is normally very fine grained and										
		bleached, and contains scattered stretched										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		amygdules/vesicles filled with calcite-chlorite.										
		The norm is for the amygdaloidal section to be										
		slightly removed from the pillow selvage but										
		still within the bleached pillow margin. There										
		is no inference on tops from the pillows.										
		The lower contact of the pillowed andesite										
		is along a zone of lost core from 346-352.										
346	434	Porphyry-Carbonate Sequence - a very com-										
		plicated sequence of porphyry, carbonated										
		porphyry and carbonate rocks.										
		The upper contact of the sequence is along										
		a zone of lost core from 346-352 with additional										
		lost core from 356-358 and 427-428. The ground										
		throughout the sequence is blocky and broken										
		plus there are several scattered sections with										
		gouge at 35-45° to the core axis.										
		The sequence is divisible into three										
		major zones as: 346-379.3, 379.3-418.4 and										
		418.4-434, all of which contain a mix of										
		porphyry and carbonate. There are units of										
		cherty porphyry and highly altered, lath-										
		textured porphyry, plus there are a great deal										
		of light coloured carbonate rocks below 379.3										
		which may have been originally porphyry.										
		Overall, the sequence is moderate to well										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		fractured and altered but is weakly to moderately										
		veined and sparsely mineralized.										
		The cherty porphyries are aphanitic,										
		siliceous, brittle units that vary from cream										
		to white and buff in colour. The cherty units										
		are weakly to moderately fractured and veined,										
		and are sparsely mineralized with pyrite.										
		The highly altered porphyries, of which a										
		unit from 372-373.9 is representative, contain										
		laths, threads and blebs of sericite ± fuchsite										
		in a very siliceous groundmass. Locally, some										
		of the sericite appears to be pseudomorphic										
		after albite.										
		The light coloured carbonate sections-										
		potential carbonated porphyries vary from										
		medium to light grey and grey green in colour,										
		and locally appear siliceous even though the										
		rocks are highly altered and fractured with										
		carbonate-chlorite. Adjacent to fractures										
		the rock is normally bleached yellowish brown										
		in colour; such that, in areas of dense										
		fracturing there is a pervasive bleaching and										
		carbonatization of the rock to a light buff										
		colour. There are also local siliceous patches										
		in these grey carbonate rocks.										
		Most of the rock below 418.4 is carbonate										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		with few parameters available to indicate an original composition. The carbonate varies from medium to dark grey green and olive in colour and normally contains a weak fuchsite component.										
		The majority of the cherty and highly altered porphyries are localized in the upper zone of the sequence from 346-379.3. The breakdown includes:										
		346-352: Lost Core.										
		352-360.2: White cherty porphyry, blocky, with lost core at 356-358.										
		360.2-364.9: Pale brownish buff, to yellow, fine grained, siliceous porphyry (or dacite??). From 361-361.5, dark grey green carbonate with a trace of fuchsite.										
		364.9-369.9: Buff, cherty porphyry.										
		369.9-372.0: Grey green carbonate to carbonated porphyry.										
		372.0-373.9: Yellow green, highly altered porphyry with sericite, fuchsite.										
		373.9-377.9: Pale brown to buff, weakly altered cherty porphyry.										
		377.9-379.0: Pale grey green to buff grey green and yellow highly altered porphyry.										
		379.0-379.3: Cherty porphyry.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		The middle zone of the sequence, from										
		379.3-418.4, is predominately light coloured										
		carbonate /carbonated porphyry which grades										
		from light to medium grey, grey green, pale										
		grey green and brownish grey green at first to										
		darker grey in colour below 401. The core is										
		generally blocky in this section and contains										
		erratic zones of broken, gouged and granulated										
		core.										
		At 404-405, and 406.2-406.6 there are										
		darker grey to grey green carbonate zones - not										
		apparent porphyry.										
		Below 410.3, there are some broken sections										
		of cherty porphyry at 410.3-411 and 417-418.4										
		around a more carbonated zone from 411-417.										
		From 416.1-417, there is a section of medium to										
		dark yellow green carbonate with trace amounts										
		of fuchsite.										
		The lower zone, from 418.4-434, is largely										
		medium to dark grey green and olive coloured										
		carbonate with trace amounts of fuchsite -										
		fuchsite increases with depth, especially										
		around the lower contact from 432-434. There										
		are three sections of porphyry in the lower										
		zone at: 419.2-420.6 - medium to dark grey										
		carbonate/carbonated porphyry;										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		423.9-424.3 - dark grey, brecciated,				
		altered cherty porphyry; and				
		429.4-430.8 - grey green to brownish grey				
		green, siliceous, carbonate/carbonated porphyry.				
		The upper contact of the lower zone is				
		gouged and granulated at 45° to the core axis.				
		Most of the core in the section 423-429.4 is				
		also gouged and granulated at 45°, with lost				
		core from 427-428. The lower contact of the				
		sequence is broken.				
434	512.3	Carbonate Zone - a mixed sequence of				
		emerald green and ochre coloured carbonate				
		rocks that can be subdivided into upper, middle				
		and lower zones at: 434-455, 455-479 and 479-				
		512.3 respectively.				
		The upper zone consists of dull to normal				
		emerald green carbonate which is blocky and				
		broken and contains several scattered sections				
		with gouge and granulation.				
		The carbonate is well altered, moderately				
		veined and sparsely to unmineralized. The upper				
		contact of the emerald green carbonate is				
		gradational from the previous dark carbonate				
		rocks while the lower contact is along a zone of				
		lost core from 455-457.				

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		The middle zone, from 455-479, is										
		characterized by accessory sericite alteration.										
		The first part of the middle zone (to 462.3)										
		is blocky and broken grey green to olive										
		carbonate with lost core from 455-457, and 459-										
		461. The carbonate is partly siliceous and										
		weakly altered with fuchsite.										
		From 462.3-466.2, the rock is very similar										
		to the grey carbonate-potential carbonated										
		porphyry sections seen in the earlier sequence										
		from 379.3-418.4. The rock is dark grey and										
		highly carbonated but has weakly siliceous										
		portions. The upper contact is broken, the										
		lower contact is with veining at 25°.										
		From 466.2-479, the rock is yellow to										
		ochre and yellowish grey green in colour with										
		scattered grey to grey brown more siliceous										
		patches. The core is well altered with sericite										
		and carbonate - the sericite occurring as laths										
		and threads in a fine grained siliceous matrix.										
		The unit could be either a highly altered										
		porphyry or a sericitic felsic volcanic.										
		The first part of this section (466.2-479)										
		is relatively competent, but is badly broken										
		from 473.5-477, and continues to be blocky from										
		477-479. The lower contact is partly rusted										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		with ankerite and is gradational into emerald										
		green carbonate.										
		The lower zone of the carbonate sequence,										
		from 479-512.3, is an emerald green carbonate										
		which is blocky, broken and weakly rusted at										
		first, but becomes more competent and strongly										
		veined below 486. A section from 496-505.8										
		contains 60-80% quartz and quartz-ankerite										
		veining previous to a basal silicified breccia										
		zone from 505.8-512.3.										
		The basal, silicified, carbonate breccia										
		varies from olive, to yellow olive and putty										
		coloured, and appears gradational from the										
		emerald green carbonate rocks. The breccia										
		contains fragments of quartz and quartz-ankerite										
		in a streaky sericitic carbonate matrix with										
		traces of fuchsite. The breccia may represent										
		the altered top of the adjacent breccia zone.										
		The lower contact of the sequence is										
		broken with veining.										
512.3	623.9	Breccia Zone - a sequence of brecciated										
		sediments and carbonate breccia with a great										
		deal of broken and granulated core. The	512.6	514.0	1.4						.016	Sediments - fine gr. black tr.py
		sequence encompasses several types of units,	514.0	519.0	5						.056	Carbonate bx. - strong veining.
		but is initially distinguished by the presence										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		of dark grey to dark grey brown and dark grey										
		olive sediments from 512.3-513.8.										
		The sediments from 512.3-513.8 consist of										
		fine grained silt and arkose/greywacke - the										
		arkose/greywacke portion being identified by										
		a weakly granular, fine grained matrix with										
		traces of muscovite, sericite and scattered										
		black specks of graphite. The core in this										
		upper contact zone is broken.										
		Following the initial contact zone the										
		sequence becomes highly brecciated, veined,										
		altered and carbonated from 513.8-528. There										
		are no recognizable sedimentary features in										
		this section - the rock is a well altered										
		carbonate breccia that contains fragments,										
		lenses and discontinuous stringers of quartz ±										
		ankerite in a carbonate-chlorite-sericite ±										
		fuchsite-altered matrix. The carbonate breccia										
		varies from olive to grey olive, brown olive,										
		grey green, brownish grey green and emerald										
		green in colour. The core remains blocky.										
		Around 528, the carbonate component										
		abruptly decreases previous to a sequence of										
		badly broken and blocky, brecciated sediments										
		from 528-563 - there is considerable ground										
		core in this zone with lost core from 552-557.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		The sediments are dark grey to black with										
		a minor amount of yellow olive to yellowish										
		sericite ± carbonate. Being badly broken,										
		most of the core is represented by the more										
		competent fragments, lenses and patches of										
		stringer material in a black, fine grained,										
		partly graphitic matrix.										
		At 563, contact to a more competent olive										
		to yellow olive carbonate breccia which grades										
		to emerald green carbonate below 573 - contacts										
		are broken. The carbonate breccia contains										
		fragments of quartz and quartz-ankerite										
		stringer material similar to the unit 513.8-										
		528. In addition to carbonate-sericite, the										
		breccia is weakly altered with fuchsite, and										
		is sparsely mineralized with traces of pyrite.										
		The core continues to be blocky but is not as										
		badly broken as previous.										
		The emerald green carbonate section										
		extends from 573-604 and contains vague										
		patches/remnants of potential sediment - most										
		notable at 583, and at the base of the section										
		from 601-604. The carbonate varies from dark										
		rich emerald green to bright lime in colour										
		and is well altered with fuchsite, carbonate										
		± sericite, chlorite. The core is moderately										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		veined and sparsely mineralized.										
		From 597.6-598.7, there is a narrow,										
		greyish to pale grey brown remnant of fine										
		grained, cherty, moderately ankeritic porphyry(?)										
		within the emerald green carbonate - contacts										
		are broken.										
		At 604, broken contact into brecciated										
		and partly carbonated sediments previous to the										
		basal contact zone of carbonate breccia with										
		remnants of sediment from 614-623.9. The										
		sediments, from 604-614, are fine grained with										
		local more granular sections indicative of										
		arkosic material. The sediments vary from dark										
		grey to black and brownish olive in colour with										
		erratic portions of dull yellow to yellow olive										
		sericitic carbonate. The rocks are brecciated										
		with fragments, lenses, etc. of stringer										
		material in a fine grained matrix containing										
		traces of graphite.										
		The core continues to be broken but is										
		more competent than previous - only minor										
		gouge and granulation are noted in the sediments										
		as at 609.7 - 3 cm of gouge @ 60°.										
		There are also silicified sections in the										
		sediments which could be related to either										
		pervasive silicification from veining or units										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		of porphyry - due to broken core, definition										
		between these two ideas is difficult.										
		Around 614, the zone of predominate										
		sediment grades to olive, grey olive and										
		yellow olive carbonate breccia with inclusions										
		of sediment and streaks of graphite to the end										
		of the zone at 623.9. Traces of pyrite are										
		noted along slips and fractures across this										
		zone.										
		The lower contact of the sequence is										
		sharp but broken with veining at 70° to the										
		core axis.										
623.9	695	Dark Carbonate and Carbonated Ultramafic										
		Rocks - a sequence of dark coloured carbonate/										
		carbonated mafic volcanics with sections of										
		carbonated ultramafic by the end of the hole.										
		The carbonate varies from dark grey green										
		to dark green, olive and black in colour and										
		is streaky/layered/schistose at 0-80° to the										
		core axis - average layering at 60-70°. The										
		layering is defined by variations in the amount										
		and type of carbonate, chlorite ± sericite,										
		and near the end of the hole, serpentine										
		alteration. The carbonate is strongly veined										
		and sparsely mineralized.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		The core is blocky and broken throughout										
		but particularly from 623.9-634 and below 645.										
		From 671-677, there are six feet of lost core,										
		plus there is moderate to strong granulation										
		below that point.										
		The early dark, streaky carbonate rocks										
		give way to an olive coloured, more competent										
		streaky carbonate zone with traces of fuchsite										
		from 635.5-640, followed by a narrow, grey to										
		dark grey buff unit of cherty moderately										
		ankeritic porphyry from 640.0-640.9.										
		Below 640.9 the carbonate becomes										
		increasingly blocky with largely broken core										
		after 645, due to local strong granulation.										
		At 647-647.3, 648.1-648.3, and 662.5-										
		665.6, there are three sections of very dark										
		grey to black strongly altered, weakly										
		silicified porphyry, with ghost silicification										
		and buff coloured patches - contacts are										
		broken.										
		Approaching the end of the hole, there is										
		a narrow zone of black, streaky/layered,										
		magnetic ultramafic from 688-692, below a zone										
		of moderate to strong granulation from 681-688.										

PROPERTY QUEBEC STURGEON RIVER MINES LTD.-ASHBY PROPERTY Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		At the end of the hole the rock is a										
		dark carbonate, potential carbonated ultra-										
		mafic.										
	695'	END OF HOLE										

DIAMOND DRILL REPORT

HOLE No. QS-83 (i)

Location: XL 2+00W @ 10+00N

Core Size: BQ

Azimuth: Grid North - 0°

Elevation: Surface

Dip: Collar @ -55°; @ 114'-55.5° @ 314'-56°; @ 514'-57°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - Ashby Property

Township: Taylor Township

Location of Collar from # Post of

Commenced: 10 September 1983

Finished: 16 September 1983

Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width	Description of Sample
		SUMMARY LOG				
0	126'	Casing. (Casing pulled).				
126	138	Sediments - brecciated, moderately altered arkose/greywacke and argillite.				
138	264	Diabase - Matachewan style - badly broken with 45% recovery from 138-220.				
264	337.2	Carbonated Ultramafic - strong gouge at 298.5-302 and 328-330.5.				
337.2	442	Diabase - Matachewan style.				
442	463	Porphyry Zone - cherty, and strongly carbonated cherty porphyry, blocky with 33% core lost.				
463	559.6	Carbonate Zone - mixed sequence with : 463-489 - ultramafic to mafic volcanics. : 489-497 - cherty porphyry, strong veining (85%). : 497-530.3 - strongly veined, intermediate volcanic. : 530.3-544.3 - mafic to ultramafic volcanic. : 544.3-556.5 - granular, chloritic mafic volcanic, with rhombs of ankerite. : 556.5-559.6 - cherty porphyry, rhombs of ankerite.				
559.6	567	Carbonated Ultramafic - pyroxenite and serpentinite.				
	567'	END OF HOLE (Hole Lost).				

Location: XL 2+00W @ 10+00N

Core Size: BQ

Azimuth: Grid North - 0°

Elevation: Surface

Dip: Collar @ -55°; @ 114'-55.5°
@ 314'-56°; @ 514'-57°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD, - Ashby Property

Township: Taylor Township

Location of Collar from # Post of

Commenced:

Finished : September 1983

Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width	Description of Sample
0	126'	Casing. (Casing pulled) -				
		0-62, sand and clay; 62-109 boulders and sand,				
		making water; 109-126 core - boulders and				
		cement. The drill hole was cemented to 135'.				
126	138	Sediments - a sequence with scattered				
		recognizable sections of sediment and brec-				
		ciated sediment amongst blocky, broken and				
		moderately altered core. The base of the				
		sequence, from 134-138, is strongly altered,				
		baked, and hematite-stained from an adjacent				
		dyke of diabase.				
		The sediments vary from dark grey green,				
		to dark grey, dark brownish grey and black in				
		colour and are fine grained, moderately				
		altered with chlorite, sericite, carbonate,				
		poorly veined with quartz-ankerite, and				
		sparsely mineralized with pyrite.				
		The most diagnostic section of arkose,				
		although more siliceous than normal, is found				
		around 129, and has a granular, detrital				
		texture with grains of quartz, feldspar,				
		scattered flecks of sericite/muscovite, and				

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		erratic blebs of graphite. The remainder of				
		the sequence consists of ill-defined units of				
		moderately altered arkose and argillite. At				
		the collar of the section, the sediments are				
		moderately brecciated and contain fairly				
		numerous fragments of quartz-ankerite stringer				
		material.				
		The lower contact zone is strongly altered				
		and broken.				
138	264	Diabase Dyke - a unit of apparent				
		Matachewan style diabase with considerable				
		blocky, broken and lost core over the first				
		part of the zone.				
		The upper part of the diabase unit, from				
		138-220, is badly broken and blocky from				
		strong, pervasive fracturing at shallow angles				
		to the core axis. Although minor granulation/				
		gouge are noted, there is considerable lost				
		core as: 141-147; 153-157, 159-163, 165-167,				
		169-175, 181-185, 187-189, 190-195, 198-201,				
		203-207, 208-211, and 217.5-220 - i.e. core				
		recovery is less than 45%.				
		Between sections of lost core, the diabase				
		is very fine grained, dark green to black in colour, moderate to strongly magnetic, strongly				

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		fractured, moderate to strongly altered,				
		poorly veined and sparsely to unmineralized.				
		The diabase is prevasively altered by chlorite				
		and carbonate, with more localized chlorite,				
		carbonate, epidote, hematite, serpentine and				
		calcite within fractures and along slip faces.				
		From 220-227.9, there is a narrow unit of				
		dark green to black granulated, in part gouged,				
		carbonated, ultramafic previous to a second				
		section of diabase below 227.9. The upper				
		contact is along a zone of lost core, the				
		lower contact is somewhat diffuse at 55°. The				
		ultramafic contains scattered fragments of				
		fine grained serpentinized diabase and is				
		weakly veined with quartz-carbonate.				
		From 227.9-261 the diabase remains blocky				
		but is more competent than previous with the				
		only section of lost core extending from 259-				
		261. The diabase varies from dark green to				
		dark brownish grey green in colour and is				
		fine to medium grained, magnetic, moderately				
		altered and moderately fractured. The dark				
		fractures with chlorite, serpentine ± calcite				
		continue to occur at shallow angles to the core				
		axis.				

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From	To	DESCRIPTION	From	To	Width	Description of Sample
		Below the section of lost core, from 259-261, is the basal contact zone/chill margin of the diabase. The rock is very fine grained, somewhat siliceous, partly serpentinized and baked - portions of this section contain features suggestive of a 'cooked' sediment. The lower contact of the diabase dyke is broken.				
264	337.2	Carbonated Ultramafic - a sequence of dark grey green to dark green and black carbonated ultramafic with a section of very dark green to black carbonated serpentinite from 283-298.5. The core is moderate to strongly granulated throughout with sections of strong mud gouge at 298.5-302 and 328-330.5. There are no sections of lost core, however. The ultramafic is strongly altered with carbonate, chlorite and serpentine and is moderate to well veined with irregular, discontinuous lenses and stringers ± patches of quartz-ankerite. Schistosity/granulation generally trends at shallow angles to the core axis - from 0-40°. None of the ultramafic is found to be magnetic, and the rocks are				

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From	To	DESCRIPTION	From	To	Width							Description of Sample
		effectively unmineralized.										
		The upper contact of the sequence is broken, the lower contact is partly adsorbed and serpentinized at 50° to the core axis.										
337.2	442	Diabase Dyke - return to diabasic rocks, presumed to be the down dip expression of the earlier dyke, i.e. Matachewan style.										
		The diabase is fine to medium grained, dark grey green to dark brownish grey green in colour and strongly magnetic. At the upper contact, from 337.2-338.3, the diabase is chilled and bleached with some accessory hematite staining.										
		In the medium grained central portion of the dyke, the diabase contains subrounded grains of grey green to greenish feldspar up to 5 mm in size. Locally, the feldspars are stained orange from hematite. The dyke also contains rather indistinct bladed grains of hornblende/pyroxene, plus chlorite and minor serpentine along fractures.										
		The diabase is moderately altered with chlorite, serpentine ± traces of carbonate, weakly veined with stringers of calcite ± quartz, and sparsely to unmineralized.										

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From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		At the base of the dyke, below 434, the core is blocky and broken - the lower contact being along a zone of lost core from 442-444. Within this basal contact section, there is a narrow unit of dark grey to dark grey green carbonate/carbonated mafic volcanic from 437.0-438.0, followed by a zone of mud gouge from 438.0-438.5.										
442	463	Porphyry Zone - a sequence of moderate to well altered porphyry rocks similar to parts of the sequence '346-434' in DDH QS-82. The porphyry is fine grained and varies from grey to grey green, grey buff and putty coloured. No discreet phenocrysts of either quartz or feldspar are noted through most of the zone - a feature in part related to the strong alteration and the blocky, broken core.	450	455	5						.006	Porphyry.
		The porphyry is well altered with carbonate and chlorite. For the most part, the rock appears to have been originally a fine grained cherty porphyry which is now well altered, and fractured with carbonate and chlorite. Most of the core is quite blocky and broken with zones of lost core at 442-444, 445-447, 450-451, and 461-463.										

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From	To	DESCRIPTION	From	To	Width							Description of Sample
		The porphyry is weakly to moderately										
		veined with quartz ± ankerite, finely fractured										
		with dark chlorite-carbonate, and sparsely										
		mineralized with fine grained pyrite.										
		Both contacts of the sequence are along										
		zones of lost core as 442-444 and 461-463 -										
		the lower part of the zone visible in core from										
		459.5-461, being a more strongly carbonated,										
		granular version of porphyry, with 'ghost'										
		cherty patches.										
463	559.6	Carbonate Zone - a very mixed sequence of										
		carbonated mafic to ultramafic and potential										
		intermediate volcanics with units of porphyry										
		and sections of lost core. The upper 2/3 of										
		the zone are blocky and broken.										
		The upper part of the sequence, from 463-										
		489, consists of dark, carbonated mafic to										
		ultramafic volcanics which grade progressively										
		lighter in colour with depth - i.e. the ultra-										
		mafic component decreases, particularly below										
		471'. This part of the sequence is layered/										
		laminated at 40-50° to the core axis from										
		carbonate-rich and chlorite-serpentine-rich										
		sections. The core is well altered, moderate										
		to well veined and sparsely to unmineralized.										

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From	To	DESCRIPTION	From	To	Width							Description of Sample
		From 483-489, the carbonate contains										
		accessory quartz-ankerite veining (app. 80%)										
		previous to a zone of well veined porphyry at										
		489. The contact with porphyry is along a										
		zone of lost core from 487-489(?) with minor										
		lost core earlier in the sequence from 474-476.										
		The porphyry section, from 489-497, is										
		very well veined with 80-90% quartz and quartz-										
		ankerite stringers. The unit is a very fine										
		grained, bleached, altered cherty porphyry										
		which is most strongly altered around the										
		upper contact zone. The porphyry is grey to										
		pinkish grey and brownish grey in colour, is										
		partly bleached adjacent to veining and is										
		lightly mineralized with fine grained pyrite.										
		The lower contact is also along a zone of lost										
		core from 495-497.										
		From 497-530.3, the rock is a very well										
		veined (40-50%) brownish grey to brownish										
		grey green and brownish ochre coloured,										
		sericitic carbonate, potential carbonated										
		intermediate volcanic, with erratic lenses/										
		patches of dark carbonate/carbonated ultramafic.										
		Within this zone, there is a narrow, dark										
		brownish grey, granular, more competent										

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From	To	DESCRIPTION	From	To	Width	Description of Sample
		carbonate unit with accessory coarse cubes of				
		pyrite to 5 mm in size, from 500.4-501.0 - a				
		potential strongly altered porphyry??				
		Below 509.2, the carbonate/carbonated				
		intermediate volcanic is strongly veined with				
		an average of 80-90% quartz-ankerite stringers.				
		There is also some lost core in this section				
		from 518-523.				
		At 530.3, broken contact (@ 50°) into				
		dark, poorly laminated, carbonated mafic to				
		ultramafic volcanics. The laminations vary				
		from 30-50° to the core axis.				
		The carbonate is dark green to dark grey				
		green in colour, and is soft, moderately				
		granulated, moderately veined and well altered				
		with chlorite ± serpentine. The ultramafic				
		component of this section increases slightly				
		with depth.				
		At 544.3, contact at 50° into a more				
		competent basal contact sequence. At the out-				
		set, from 544.3-547, the rock is a very fine				
		grained, finely granular, grey green to dark				
		green carbonate - probable carbonated mafic				
		volcanic. The rock is much more competent				
		than previous, is harder, weakly fractured,				

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From	To	DESCRIPTION	From	To	Width							Description of Sample
		unveined and unmineralized. Portions of this										
		first part of the sequence appear more										
		siliceous as if originally porphyry.										
		Below 547, the carbonated mafic volcanic										
		becomes very dark green in colour, is strongly										
		chloritized, and contains coarse (to 5 mm)										
		distinct rhombs of ankerite. The core remains										
		competent, is poorly veined and sparsely to										
		unmineralized. The mafic volcanic appears to										
		grade somewhat more siliceous below 556,										
		approaching a basal unit of porphyry.										
		The lower contact of the carbonate										
		sequence is along a fine grained porphyry dyke										
		from 556.5-559.6 - upper contact irregular,										
		averaging 45°, lower contact broken @ 55°.										
		The porphyry is grey to grey brown in colour,										
		very fine grained, siliceous and contains										
		coarse rhombs of ankerite similar to the										
		overlying mafic volcanic unit.										
		The porphyry is weakly fractured with										
		carbonate-healed fractures and is very sparsely										
		mineralized with pyrite.										
		The lower contact of the porphyry is along										
		10 cm of broken core - the adjacent ultramafic										
		contact being broken at 55°.										

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From	To	DESCRIPTION	From	To	Width							Description of Sample
559.6	567	Carbonated Ultramafic - a short sequence of very dark green to dark brownish green and black carbonated pyroxenite and serpentinite at the end of the hole. The drill hole was lost at 567' due to rods seizing from the overlying gouged zones. The ultramafics are fine grained, rather sugary textured, and strongly altered with chlorite, serpentine, carbonate and talc. Locally there are olive to bronze coloured patches/blebs of pyroxene (bronzite?). The ultramafics are nonmagnetic, very poorly veined and sparsely to unmineralized. The upper part of the section from 559.6-561, is weakly schistose at 50-55° to the core axis.										
	567'	END OF HOLE (Hole Lost).										

Location: XL 6+10W @ 6+00N - 10' West of DDH QS-79

Core Size: BQ

Azimuth: Grid North - 0°

Elevation: Surface

Dip: Collar @ -70°; @ 86'-70°; @ 290'-69.5°; @ 490'-69.5°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - Ashby Property

Township: Taylor Township

Location of Collar from # Post of

HOLE NO: QS-84 (i)

QS 84

Commenced: September 21, 1983

Finished : September 24, 1983

Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width						Au ozs	Description of Sample
		SUMMARY LOG										
0	86'	Casing. (Casing pulled).										
86	168.3	Sediments - arkose/greywacke and argillite										
		with: 103-127, 159-168.3 brecciated; and 127-129,										
		130-131 ash fall tuff(?).										
168.3	246.0	'Dioritic' Zone - granular carbonate rocks	170.5	175.5	5'						.014	Diorite - 5% qtz tr.py.
		with relict feldspars, some coarse pyrite.										
		168.3-170.4: schistose, carbonated ultramafic.										
246.0	319.8	Carbonated Ultramafic - the upper part										
		(to 291) is sheared, schistose and brecciated.										
319.8	373.0	Feldspar Porphyry - strongly altered and	360.7	365.7	5'						.012	Fsp.Por. - altered xn.
		blotchy below 344'.										
373.0	505.5	Carbonated Ultramafic - strongly gouged										
		and granulated from 380.0-399.5.										
		428.7-436.0 - altered feldspar porphyry.										
505.5	527	Carbonate Zone - carbonated mafic to										
		intermediate volcanics, with										
		505.5-512.5: cherty porphyry.										
		521-527: moderate to strongly altered porphyry.										
	527'	END OF HOLE										

Location: AB 8+10W @ 8+00N - 10° West of DDH QS-83

Core Size: BQ
Azimuth: Grid North - 0°
Elevation: Surface
Dip: Collar @ -70°; @ 86'-70°; @ 290'-69.5°; @ 490'-69.5°

PROPERTY: QUEBEC STURGEON RIVER MINES LTD. - Ashby Property
Township: Taylor Township
Location of Collar from # Post of

Commenced: September 21, 1983
Finished : September 24, 1983
Contractor: Dominik Drilling Inc.

From	To	DESCRIPTION	From	To	Width	Description of Sample
0	86'	Casing. (Casing pulled) -				
		0-60 sand and clay; 60-86 boulder layer,				
		making water.				
86	168.3	Sediments - a mixed sequence of greywacke/				
		arkose and argillite with erratic sections				
		of breccia and two potential units of				
		volcanic ash.				
		For the most part, the sediments are				
		defined by the presence of two units - a				
		grey to slightly brownish grey greywacke/				
		arkose, and a much darker grey to black, very				
		fine grained argillite. The greywacke/arkose				
		sections are distinctive, with a finely				
		granular matrix containing grains of feldspar,				
		quartz, sericite, muscovite and erratic				
		black specks/fragments of either graphite or				
		argillite. Banding is fairly consistent				
		throughout the sequence at 50-55° to the				
		core axis. Tops are ill-defined.				
		The sediments are moderate to poorly				
		veined with only two areas containing wider				
		porcelainous quartz-ankerite stringers at				

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		108-110, and 157-158. The core is sparsely										
		mineralized with pyrite.										
		The sediments are weakly altered except										
		in the breccia horizons. The first breccia										
		horizon extends from 103-127, and consists of										
		fragments and lenses of stringer material in a										
		matrix of arkose and argillite. From 107-										
		113.5 the sediments are partly carbonated,										
		resulting in the granular arkosic units										
		becoming dull brownish yellow to olive in										
		colour - this section also contains accessory										
		quartz-ankerite veining. Below 113.5 the										
		sediments are not as strongly brecciated as in										
		the upper part of the section, although there										
		is some lost core at 114-117, and 124-127.										
		From 127-131, there are two very fine										
		grained to amorphous units of possible volcanic										
		ash, separated by a granular, moderately										
		veined section of arkose from 129.0-130.0. The										
		ash units are potentially dacitic - both are										
		very fine grained, hard, earthy textured, grey										
		to putty coloured, and are without features										
		distinctive of the sedimentary sequence.										
		Below the units of dacite/ash fall tuff(?)										
		return to interlayered argillite and greywacke/										

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property **Township** Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		arkose previous to a basal breccia zone										
		from 159-168.3.										
		The lower breccia unit, from 159-168.3,										
		contains numerous fragments and lenses of										
		quartz-ankerite stringer material in a more										
		highly altered yellow green to olive and ochre,										
		sometimes streaky, matrix. The matrix										
		component is sufficiently altered with chlorite,										
		sericite and carbonate to obscure any sedi-										
		mentary features - the unit being nearly										
		identical to the dacite tuff sections in										
		DDH QS-80 (see unit 416-426.1, QS-80). The										
		streaky sections, if equivalent to argillite										
		units, do not contain a carbonaceous/graphitic										
		component - the darker minerals/dark streaks										
		are a combination of carbonate, chlorite and										
		serpentine alteration.										
		The lower contact of the sequence is										
		broken at 60° to the core axis.										
168.3	246.0	'Dioritic' Zone - a sequence of granular										
		carbonate rocks previously logged as diorite										
		in DDH QS-79. The equivalent section in QS-79										
		extends from 167.8-186.3.	170.5	175.5	5						.014	Diorite - 5% qtz tr.py
		The sequence is initiated along a short zone of										

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From	To	DESCRIPTION	From	To	Width							Description of Sample
		carbonated ultramafic from 168.3-170.4, which is schistose at 50° to the core axis. The dioritic phenomena logged in QS-79 is most notable near the contact zones in this drill hole - circa 170-180 and 220-246. These contact zones are coarsely granular rocks with carbonate, serpentine and chlorite but appear to contain numerous, ill-defined relict feldspars ± quartz within the carbonate patches. The quartz and feldspar locally exhibit granophyric textures. The central zone of the dioritic sequence (i.e. app. 180-220), is a finely granular carbonate rock which varies from medium to dark grey green in colour, but is often bleached buff to ochre and pinkish tones adjacent to quartz-ankerite veining. The bleaching is a function of sericite, epidote, carbonate ± albite alteration and extends only a short distance into the adjacent wallrocks such that there is rare preferential alteration of the nearby rock-forming minerals. Overall, the core is well altered with carbonate and chlorite ± serpentine, epidote, sericite, and albite - serpentine being most										

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From	To	DESCRIPTION	From	To	Width							Description of Sample
		common in the contact zones. The diorite also										
		contains trace amounts of fuchsite and local										
		fine grained biotite. The core is weakly										
		fractured with dark chlorite, carbonate,										
		serpentine, and is moderately veined with										
		quartz-ankerite.										
		A most distinctive feature of the diorite										
		is the presence of coarse cubes of pyrite up										
		to 1 cm on edge. Although more scattered than										
		in DDH QS-79, the better coarse pyrite is found										
		in the central part of the sequence from app.										
		180-225 - the coarsest cube being noted at 223'.										
		There are also trace amounts of chalcopyrite										
		within the system.										
		The dioritic rocks also contain scattered										
		subovoid to subrounded blebs of carbonate ±										
		quartz up to 5 mm in size. The blebs are										
		commonly zoned with quartz marginal to car-										
		bonate centers. In most instances this phenomena										
		appears to be a secondary metamorphic effect										
		rather than primary amygdaloidal or vesicular										
		structures.										
		The lower contact of the dioritic sequence										
		is along a 30 cm quartz-ankerite vein from 245-										
		246.										

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property **Township** Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
246	319.8	Carbonated Ultramafic - a sequence of variably altered and schistose, dark blue grey to blue black carbonated ultramafic rocks. The upper part of the sequence, to approximately 291, consists of sheared, schistose and locally gouged carbonated serpentinite, crudely laminated ultramafic and brecciated ultramafic. The basal section, which extends from 291-319.8, is a much more competent zone of ultramafic rocks characterized by a development of coarse carbonate rosettes. The upper portion contains two main zones of gouge at 279-280 and 288.5-289 - there is no lost core in this part of the sequence. The schistosity varies from 0-50°, with an average schistosity at 40-50° to the core axis. The ultramafics are well altered, a feature illustrated by the crudely laminated rocks which are made up of carbonate-rich and chlorite-serpentine-rich lamallae. The brecciated ultramafic unit occurs at the base of the upper section, from 285-291, and consists of fragments and discontinuous lenses of stringer material in a fine grained, black, carbonated ultramafic matrix.										

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		Overall, the upper part of the sequence				
		is much more strongly magnetic, than the basal				
		section with carbonate rosettes. The core is				
		moderately to well veined with stringers of				
		quartz-ankerite and is sparsely mineralized				
		with scattered cubes, nodules and fine grained				
		aggregates of pyrite.				
		The lower contact of the ultramafic is				
		very fine grained and strongly chloritized from				
		319.2-319.8 - lower contact at 55°.				
319.8	373.0	Feldspar Porphyry - a dyke of moderate to				
		well veined grey feldspar porphyry which				
		becomes blotchy, stained and more strongly				
		altered below 344'.				
		The porphyry is essentially composed of				
		feldspar and quartz with secondary(?) carbonate,				
		chlorite, magnetite, serpentine, fuchsite and				
		hematite. The magnetite component occurs as a				
		fine dust and as coarse exsolved blebs through-				
		out the unit and appears to be the contributing				
		factor to reddish hematite stainings. The				
		dyke is moderate to well veined with quartz-				
		ankerite and is moderate to sparsely mineralized				
		with coarse cubes, fine grained aggregates, and				

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property Township Taylor Township

From	To	DESCRIPTION	From	To	Width						Au oz	Description of Sample
		fine disseminations of pyrite.										
		Below 344, the porphyry grades much more strongly altered with chlorite, carbonate ± fuchsite, serpentine producing a blotchy appearance to the core. Local pale grey to grey buff bleaching/silicification marginal to some of the stringers further promotes the blotchy look.	360.7	365.7	5						.012	Feldspar Porphyry - altered.
		Near the base of the sequence, from 368.3-370.5, there is a narrow, fine grained, dark, chloritized unit/inclusion of carbonated mafic to ultramafic volcanics at 60°/30° (although contacts are broken). The unit is fine grained, strongly carbonated, strongly chloritized, moderately magnetic, poorly veined and sparsely mineralized.										
		The lower contact of the feldspar porphyry is broken at 85°.										
373.0	505.5	Carbonated Ultramafic - return to dark green to dark blue grey and blue black ultramafic rocks with variably schistose, altered and brecciated sections.										
		The contact section, from 373-380.0, is a soft, dark, carbonated serpentinite with well										

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		developed carbonate rosettes. This portion is moderate to strongly magnetic, and has a crudely defined schistosity at 15-30° to the core axis. The magnetic susceptibility of the ultramafic decreases across the zone.										
		From 380.0-399.5, the ultramafic rocks are strongly gouged and granulated with sections of gouge at 380-381, 397-399.5 and lost core at 381-387, 392-394 and 395-397. There is only minor gouge and granulation in the lower part of the ultramafic sequence.										
		Below the zone of gouge the rock is a brecciated, carbonated ultramafic with fragments and lenses of stringer material. Within the brecciated ultramafic there is a narrow unit carrying approximately 15% disseminated coarse pyrite in cubes up to 5 mm on edge, from 412-413.										
		Around 418, the brecciated ultramafic grades weakly schistose, and contains fairly well developed carbonate rosettes previous to a dark, altered dyke of feldspar porphyry from 428.7-436.0.										
		The feldspar porphyry is a fine grained, granular, baked and altered unit. The rock										

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property Township Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		varies from dark grey brown to dark pinkish										
		grey brown, and is essentially composed of										
		albite and quartz with carbonate and chlorite										
		alteration. The dyke is locally bleached pale										
		grey buff in colour adjacent to veining, and										
		is weakly to moderately mineralized with fine										
		cubes of pyrite up to 2 mm in size.										
		From 431.5-432.3, there is an inclusion/										
		remnant of carbonated ultramafic in the										
		feldspar porphyry - contacts are irregular.										
		The contacts of the feldspar porphyry dyke are										
		broken - the upper contact with veining, lower										
		contact at 75°.										
		Dark carbonated ultramafic rocks are										
		encountered below the porphyry unit which, as										
		previous, are brecciated and contain fragments										
		and lenses of stringer material. The rocks are										
		also variably schistose at 30-50° to the core										
		axis (30° predominates). A section, 442-451,										
		is somewhat lighter grey to grey olive in										
		colour, and approaches a carbonated mafic										
		volcanic composition - there is a high ultra-										
		mafic component in the section, however, and										
		the rocks grade to dark blue grey and blue black										
		at either margin.										

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property Township Taylor Township

From	To	DESCRIPTION	From	To	Width	Description of Sample
		There are two wider quartz-ankerite veins				
		in the system at 459-460.3 and 485-487, at				
		shallow angles to the core axis plus a third				
		quartz-ankerite vein along the lower contact				
		from 504-505.5.				
505.5	527	Carbonate Zone - contact along a unit of				
		porphyry into more leucocratic carbonate rocks-				
		potential carbonated mafic to intermediate				
		volcanics.				
		The contact porphyry unit from 505.5-512.5				
		is very fine grained and cherty. The rock				
		varies from off white to pale grey buff and				
		pinkish buff in colour and contains scattered				
		'ghost' phenocrysts of albite. The dyke is				
		moderately veined with quartz-ankerite, is				
		rather well fractured with dark chlorite-				
		carbonate, and is moderately mineralized with				
		fine disseminated pyrite. The upper contact of				
		the porphyry is with veining, the lower contact				
		is at 75°.				
		The underlying carbonate rocks from 512.5-				
		521 vary from medium grey green to dark green				
		and grey olive in colour. The first part of				
		the section, to 516, is blocky, with one 3 cm				

PROPERTY Quebec Sturgeon River Mines Ltd.-Ashby Property **Township** Taylor Township

From	To	DESCRIPTION	From	To	Width							Description of Sample
		remnant of cherty porphyry at 514.5. The										
		rocks are weakly schistose at 40-50° to the										
		core axis; moderately altered with chlorite,										
		carbonate ± traces of fuchsite; moderately to										
		well veined with quartz-ankerite; and sparsely										
		mineralized with pyrite.										
		At the end of the hole, from 521-527, the										
		rock appears to be a more strongly altered										
		porphyry. The porphyry is fine grained,										
		granular, cherty, moderately ankeritic,										
		moderately chloritic and contains local relict										
		feldspars. The core is moderately veined with										
		quartz-ankerite, and is sparsely to moderately										
		mineralized with pyrite plus a few splashes of										
		chalcopyrite (at 526.5). The porphyry contains										
		scattered tiny blebs and is weakly fractured										
		with chlorite.										
	527'	END OF HOLE										

QUEBEC STURGEON RIVER MINES LIMITED

NORTH HALF TAYLOR TWP.

LOT 11 - CONCESSION II

SURFACE PLAN

0 400 800 1200 1600

FEET

#63.4301

CONCESSION III

CONCESSION II

Driftwood River

QSR 0+00 Baseline

18+00N

15+00N

12+00N

9+00N

6+00N

3+00N

QS 83

QS-79(-55°)

QS-84 (-70°)

QS 81

QS 82

QS 80 (-55°)

QS 67(-90°)

STOCK

TAYLOR

Lot 12

Lot 11

Lot 10

QSR 0-00 Baseline

ELEVATION 00

ast north

ELEVATION 00

3N **QS-82**

6N **QS-81**

10N **QS-83**

-100

-200

-300

-400

-500

-600

-700

-800

-900

A2B

LOST CORE

A2p

LOST CORE

N ch,N str alt J

Blocky NJ

J xns N

LOST CORE

LOST CORE

Jcc,J Blocky

60-80% QC

J bx

LOST CORE

F bx,J bx Blocky BROKEN CORE

J bx

Jcc

J bx

xns N

JA,JK Blocky BROKEN CORE

N

LOST CORE

695'

Strong rusting

Avg 30-50% QC

Jcc

bx ct at 15°

BROKEN & LOST CORE

F1,3,4,5

40°

J,C1,bx

N-fract bx with JK

LOST CORE

O Blocky

Remn N

LOST CORE

N

LOST CORE

K2(px)

JK,K

Stks strs mgt

With exsolved mgt

Decreasing JK

JA,JK

JC1-JA2

Alt N

LOST CORE

Jcc

ch

JA2t

Sil- C1t?

C1t

ch

869' (Hole lost from sanding above)

F1,3,6,

Alt

LOST CORE

O Alt

LOST CORE

JK

LOST CORE

JK

Ik4

Gouge

O

N ch,alt N clt

LOST CORE

JA,JK

LOST CORE

N ch,str veins

N

JC1 xns JK

80-90% QC

LOST CORE

JA,JK

JA

N ch

JK

567'(Hole lost)

QUEBEC STURGEON RIVER MINES LIMITED

NORTH HALF TAYLOR TWP.

LOT 11 - CONCESSION II

DIAMOND DRILL SECTION

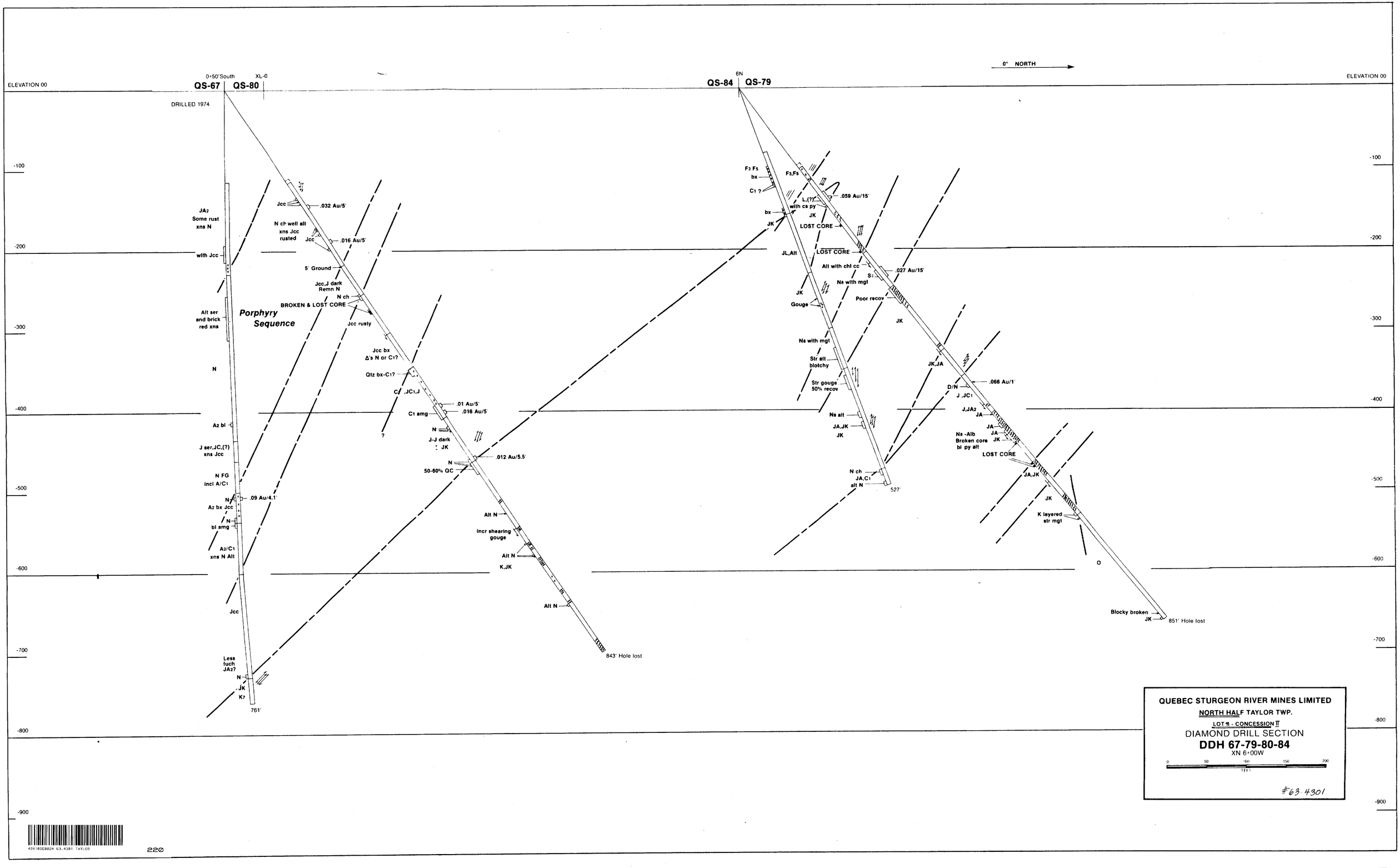
DDH 81-82-83

XN 2+00W

0 50 100 150 200

FEET

#63.4301



QUEBEC STURGEON RIVER MINES LIMITED

NORTH HALF TAYLOR TWP.

LOT 11 - CONCESSION II

DIAMOND DRILL SECTION

DDH 67-79-80-84

XN 6+00W

0 50 100 150 200

FEET

#63.4301