GM 58052

DIAMOND DRILL CORE LOG, BARRY PROJECT

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Énergie et Ressources naturelles
Québec

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

LATITUDE 24S

DEPARTURE L3W

ELEVATION

BEARING Grid 0°

DIP AT COLLAR -55°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
91.5 m	-54°		

HOLE NO. 7515-78-1A , Grid 27N

PROJECT Barry Project

CLAIM NO. 367918-2 Bressani Twp.

CORE SIZE AQ

STARTED February 3, 1978

FINISHED February 6, 1978

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING

TOTAL DEPTH OF HOLE 91.5 m

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	6.4	OVERBURDEN (Gravel and boulders)										
6.4	13.7	FINE GRAINED SEDIMENTS.										
		White to light grey, very fine to fine grained,										
		mm laminated to cm bedded sedimentary rock:										
		interbedded siltstone and fine grain sandstone.										
		Few interbeds of white, quartz-bearing silstone.										
		Possible graded bedding; minor faults cross-										
		cutting laminations. Minor sulfides (pyrite)										
		along bed planes and fractures. Sporadic core										
		angle; laminations sometimes parallel to core										
		axis: 13° @ 7.3 m, 32° @ 13.4 m.										
		7.22-7.28 Aplite dike.										
		9.78-9.81 Aplite dike.										
		12.04-12.95 Sulphides in fractures and along										

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GM 58052

LOGGED BY JEAN CASTONGUAY

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-1A

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
6.4	13.7	bed planes: pyrite and possibly sphalerite.	1601	12.05	12.95	0.90	NIL	0.089	NIL	TRACE		
		Maximum 1.0% combined sulphides. Red garnets also										
		present.										
		13.04-13.10 Granitic dike (aplite).										
13.7	29.8	GRANITE										
		Light grey to pinkish, medium grained, homogeneous,										
		slightly foliated granitic rock. More or less										
		gneissic. Composed of quartz, feldspar and biotite.										
		Disseminated sulphides: less than 0.5% pyrite and										
		pyrrhotite.										
		16.91-16.97 Quartz vein.	1602	16.90	17.10	0.20			NIL	TRACE		
29.8	47.5	SEDIMENTS										
		Light to dark grey, fine grained, generally well										
		laminated or bedded sedimentary rock: siltstone										
		and fine grained sandstone. Occasionally metamorphosed										
		to a biotite schist. Minor sulphides (Py, Po)										
		along bed planes and fractures. Sporadic core angles.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-1A

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
29.8	47.5	44.5-47.5 Graphitic shale and silstone. 5 to 25%	1603	44.5	46.0	1.5	NIL	0.019	NIL	TRACE		
		graphitic material. Less than 2% sulphides (py,	1604	46.0	47.5	1.5	NIL	0.039	NIL	TRACE		
		minor po) as laminations.										
47.5	67.5	BIOTITE SCHIST (GNEISS)										
		Light grey, fine grained, rather homogeneous										
		metasedimentary rock. Well developed schistosity										
		(almost gneissosity). Lamination or bedding rarely										
		obvious. Composed mainly of quartz, (feldspar)										
		and biotite with variable amount of green amphibole										
		needles.										
		50.78-51.08 Quartz vein.	1605	50.78	51.08	0.30			NIL	TRACE		
		60.17-60.44 Quartz vein.										
67.5	83.7	SEDIMENTS										
		Light grey to dark greenish grey, generally fine										
		grained (rarely medium grained), massive to well										
		laminated, metasedimentary rock: siltstone and										
		sandstone (variable composition). Probable										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-1A

PROJECT Barry Project

METRIC		DESCRIPTION	SAMPLE NO.	METRIC			ASSAYS					
FROM	TO			FROM	TO	METERS	%Cu	% Zn	oz Au	oz Ag		
67.5	83.7	horizons of tuff interbedded. Core angles: 35°										
		@72.0 m, 22° @ 75.0 m (sporadic).										
		67.94-68.00 Aplite dike.										
		68.00-73.15 Disseminated sulphides in sediments.										
		Specks and seams of pyrite and pyrrhotite parallel										
		to bedding (Less than 1%).										
		73.15-74.22 Probable lapilli tuff. About 1% of										
		pyrite as laminations parallel to bedding.										
		74.22-75.44 Well laminated quartz-rich sediments.										
		77.02-77.27 Probable lapilli tuff with minor pyrite										
		(seams).										
		79.34-79.40 Quartz vein.										
		82.60-83.67 Sericite rich schist. Minor sulphides										
		in fractures (pyrite, sphalerite, chalcopyrite).										
		82.60-82.90 Less than 0.5% combined sulph										
		sulphides.	1606	82.60	82.90	0.30	NIL	0.071	NIL	TRACE		
		82.90-83.20 Up to 2-3% combined sulphides.	1607	82.90	83.20	0.30	TRACE	0.860	NIL	TRACE		
		83.20-83.50 Less than 0.5% combined										
		sulphides.	1608	83.20	83.50	0.30	NIL	0.164	NIL	TRACE		

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-1A

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
83.7	89.0	METAGABBRO										
		Dark green, fine to medium grained, homogeneous,										
		slightly foliated metagabbro. Composed of feldspar,										
		amphibole, minor quartz. Up to 1% fine grained dis-										
		seminated sulphides: pyrite and pyrrhotite. Granitic										
		material: 84.00-84.12, 84.73-84.82, 85.74-85.80.										
89.0	91.5	GRANITE										
		Light grey, generally coarse grained, homogeneous,										
		massive to slightly foliated franite. Composition:										
		quartz, feldspar and minor biotite.										
91.5		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE L1W, 63 m N

ELEVATION _____

BEARING 180° (Grid)

DIP AT COLLAR -55°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
75.3 m	37°		

HOLE NO. 7515-78-2 , Grid 1N

PROJECT Barry

CLAIM NO. 367000-2 Urban Twp.

CORE SIZE AQ

STARTED February 5, 1978

FINISHED February 7, 1978

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD. TOTAL DEPTH OF HOLE 75.33 m

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0	20.44	Casing: Sand, gravel minor boulders.										
20.44	75.33	Moderately to strongly sheared pale green mafic										
		volcanics (chlorite, minor sericite schists										
		essentially) and associated cm-thick tuff/volcanic										
		sediment beds. Ubiquitous closely spaced white										
		qtz, minor carbonate veins and stringers										
		parallel main schistosity but locally display										
		pronounced tectonic contortions. Latter occupy	from									
		5% to 20% of rock types. Disseminated f.g. Fe										
		sulphide content generally <1% bedding at										
		53° to 55° to CA for first 50 meters.										
		20.85: Several discontinuous mm seams of f.g.										
		Py, minor Po in mafic volcanic clastics.										
		23.50 to 23.60: 1-2% discontinuous stringers of										

LOGGED BY R. COTE

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-2, Grid 1N

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
20.44	75.33	f.g. Py, minor Po associated with zone rich in qtz-										
		carb veins.										
		25.4 to 25.7: m.g. Pale green diorite dyke/sill.										
		27.5 to 28.2: m.g. Pale green diorite dyke/sill.										
		NOTE: Individual fine grains of Py, minor po often										
		remobilized along schistosity plans which are themselves										
		invariably crenulated. Py also present. as mm blebs										
		in sheared matrix.										
		36.28 to 37.30: Zone of tectonic brecciation										
		characterized by abundant (25% to 30%) white qtz,										
		minor carbonate veins displaying brecciation and										
		intricate folding.										
		37.30 to 42.06: Sheared massive facies of mafic volanic.										
		Trace amounts of disseminated f.g. Py.										
		42.06 to 42.36: m.g. Diorite dyke in sheared volcanic.										
		49.5 to 49.6: Partly grounded core.										
		50.0 to 50.15: Band of finely laminated mafic										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-2 (Grid 1N)

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
20.44	75.33	volcaniclastic material with 2-3% massive f.g. Py and Po in discontinuous hairline seams//bedding.										
		51.5 to 51.6: Thin band of deformed slightly graphitic volcanic sediments/tuff containing 3-4% massive f.g. Po, minor Py in hairline seams.	1852	50.90	52.42	1.52	0.01	0.023	NIL	TRACE		
		52.18 to 52.25: Section of tectonic brecciation with qtz-carb veining and 3-4% f.g. Po,minor Py and Tr. Cp(?). Mineralization is of the fracture-fill type.										
		54.9 to 57.2: Weakly to moderately magnetic section owing essentially to 3-4% f.g. Po occuring as disseminated sulphide in matrix as massive sulphide in hairline seams // bedding schistosity.										
Conductor		55.6 to 57.3: Weakly to moderately (10% to 15%) graphitic mafic volcaniclastic unit with local tectonic brecciation features. Erratic 1-2 mm seams of massive f.g. Po in graphitic matrix produce concentrations of 5% to 6% Fe sulphide over 2-3 cm.	1853	55.46	57.20	1.74	0.013	0.102	NIL	TRACE		

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-2 (Grid 1N)

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
Conductor		Overall Fe sulphide content 3% to 4% of which Po										
		is main constituant minor Py and perhaps trace amounts										
		of Cp(?).										
		57.3 to 58.3: Sheared mafic tuff; Bedding at 62°.										
		61.45 to 61.8: Sterile 'blue' qtz vein.										
		58.3 to 75.33: Essentially massive moderately										
		deformed mafic volcanics with minor tuffaceous										
		facies. Bedding at 65° to CA										
75.33		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE 72N
DEPARTURE L2W
ELEVATION
BEARING GRID 180°
DIP AT COLLAR -55°
CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
91.5	-42°		

TOTAL DEPTH OF HOLE 91.5

HOLE NO. 7515-78-3, Grid 26 N
PROJECT BARRY PROJECT
CLAIM NO. 367904-2 BRESSANI TWP.
CORE SIZE AQ
STARTED FEBRUARY 8TH, 1978
FINISHED FEBRUARY 11TH, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0	4.6	OVERBURDEN										
4.6	66.4	BIOTITE GNEISS (BIOTITE-QUARTZ-FELDSPAR-GARNET GNEISS)										
		Light to dark grey, medium grained, strongly foliated (gneissic rock made up essentially of biotite (50 to 80%), quartz, feldspar and minor garnet. Quartz generally remobilized in thin bands (average 3-5 mm in thickness). Microfolding common. Occasionnal minor pyrite in fractures. No evidence of original structures. Variable core angles (gneissosity): 45° @ 27.5m, 35° @ 42.5m, 58° @ 59.5m. Quartz veins: 8.11-8.26, 8.44-8.71, 24.75-24.90. Less than 0.5% sulfides in the last one. Rock contains 2-3% of a yellowish light brown mineral replacing biotite rich bands in	1609	24.75	24.90	0.15	NIL	TRACE	NIL	TRACE		
			1610	46.33	46.63	0.30	NIL	NIL	NIL	TRACE		
			1611	47.50	47.85	0.35	NIL	NIL	NIL	TRACE		

LOGGED BY Jean Castonguay

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-3

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
		some places (unidentified mineral): 46.33-49.99, 57.30-60.35. Core lost: 64.00-64.25.										
66.4	77.2	METASEDIMENTS Light to dark grey, fine grained, generally well layered (bedded) metasedimentary rocks. Variable amount of biotite present. More or less well developed gneissosity.										
66.4	70.9	Sandstone: Light grey, quartz-rich metasedimentary rock. Bedding generally obvious (laminations). Minor secondary biotite. Minor pyrite in fractures. Core angle: 65° @ 70.7m. Quartz veins: 66.63-66.75, 67.00-67.09.										
70.9	74.5	Biotite gneiss: (similar to previously described). Fine grained. No garnet. Relics of bedding sometimes obvious (fine laminations).										
74.5	75.6	Argillite: dark grey to black, very fine grained, argillaceous sediment. Bedding obvious. Low graphitic material in shear planes. Minor calcite in thin veins. Minor biotite present.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-3

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
75.6	77.2	Biotite gneiss (as previous).										
77.2	91.5	INTERMEDIATE TO ACID TUFF										
		Light grey, fine grained, homogeneous, slightly										
		foliated (and/or laminated), quartz rich intermediate										
		to acid tuff. Minor graphitic material in shear										
		planes. Very fine grained disseminated sulphides										
		(pyrrhotite, minor pyrite),(less than 0.5%): 77.2-81.3.	1612	77.42	77.72	0.30	NIL	NIL	NIL	TRACE		
		81.3-83.0 Graphitic Tuff: Dark grey to black,										
		intermediate acids tuff with interlaminated black,										
		very fine grained, graphitic and argillaceous										
		thin bands (± well laminated). Minor faulting and										
		distorted bedding. Core angle: 60° @82.3 m.										
		From 20-30% of graphitic material and 1-2% of										
		sulphides as thin laminations and in fractures	1613	81.30	83.00	1.70	NIL	0.004	NIL	TRACE		
		(mainly pyrrhotite, minor pyrite and chalcopyrite).										
		Low calcite in fractures.										
		83.73-84.88 Graphitic tuff (as previous): 20-60% of	1614	83.73	84.88	1.15	NIL	0.003	NIL	TRACE		

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-3

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
77.2	91.5	graphitic material. 1-2% of sulphides (po minor py										
		and cpy). Core lost: 84.22-84.43.										
		85.10-85.85 Graphitic tuff (as previous): 30-60%										
		of graphitic material. 1-2% of sulphides (po,	1615	85.10	85.85	0.75	0.002	0.029	NIL	TRACE		
		minor py and cpy).										
		85.9-90.8 Intermediate tuff (as previously described).										
		Fine grained, rather massive and homogeneous. Traces										
		of sulphides (po).										
		90.8-91.5 Black graphitic slate: very fine grained,										
		finely laminated, graphitic and argillaceous rock.	1616	90.84	91.44	0.60	0.002	0.031	NIL	TRACE		
		Up to 80% of graphitic material. 1% of sulphides										
		as lamination or in fractures (thin pyrite laminations).										
91.5		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE L3W, 43 m S

ELEVATION _____

BEARING 0° (Grid)

DIP AT COLLAR -50°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
117.54 m	-45°		

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD TOTAL DEPTH OF HOLE 117.54m

HOLE NO. 7515-78-4, Grid 54S

PROJECT Barry

CLAIM NO. 358235-3 , Lacroix Twp.

CORE SIZE AQ

STARTED February 10, 1978

FINISHED February 13, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0	8.23	Casing: Sand and gravel.										
8.23	16.8	Moderately sheared dark grey-green mafic tuff/										
		greywacke beds with 5% to 7% fragmented and strongly										
		folded qtz. (clear) veins. Widely dispersed										
		mm blebs of f.g. Py, minor Po average 4%										
		sulphides. Bedding at 41° to CA.										
		11.8 to 12.0: Several cross cutting rusty ankerite										
		veins.										
		12.3: Thin qtz-fel-carb veinlette containing										
		several specks of Py and possibly Tr. Cp.										
16.8	27.6	Massive sheared mafic lava with 5-10% carb-qtz										
		veins. 1% Fe sulphides present as isolated mm										
		blebs and stringers of f.g. Py. Several thin										
		qtz veins and thin discontinuous seams of massive										

LOGGED BY R. COTE

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-4, Grid 54S

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
16.8	27.6	f.g. Py run//bedding in sediments near contact with lava.										
27.6	34.4	Volcanic greywacke (chlorite schist) locally finely laminated. Occasional 102 mm Blebs of f.g. Py, Schistosity @ 38° to CA.										
		32.4: 10 cm cross-cutting white qtz vein.										
		33.15: Local concentration of isolated Py blebs averaging 3-4% Fe sulphide over 2 cm.										
		33.90: Local concentration os isolated Py blebs averaging 3-4% Fe sulphide over 2 cm.										
34.4	35.6	Light grey felsic flow. Several cm of tuffaceous material appears to grade (downhole) into a thin unit of felsic flow breccia which in turn grades into a massive facies volcanic. Latter facies displays 2-3% uniformly disseminated mm blebs of f.g. Py in groundmass.										
		34.9 to 35.0: Breccia zone characterized by a black chlorite matrix with aphanitic quartzo-feldspathic and siliceous brick red angular fragments (5-15mm).										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-4, Grid 54S

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
34.4	35.6	35.34 to 35.6: Breccia zone characterized by a black										
		chlorite matrix with aphanitic quartzo-feldsparthic										
		and siliceous brick red angular fragments (5-15mm).										
35.6	52.90	Grey green f.g. to m.g. epidotized interm generally										
		massive to pseudo-brecciated volcanic/intrusion with										
		<1% dissemination f.g. Py.										
		38.2 to 38.7: Concentration of carbonate porphyro-										
		blasts in ground mass.										
		46.36 to 47.68: Sheared fel. porphyritic m.g.										
		diorite dyke in interim. Host rock. xenoliths of										
		latter occur within the dyke along one of it's										
		contact. (90° to CA): 1% dissemination f.g. Py,										
		Tr, Cp(?).										
		48.3: Thin intercalated tuff bed associated with										
		mostly massive interim. Lavas: @50°										
52.9	52.95	Thin graphite rich band containing several discontinuous										
		seams of f.g. Py.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-4, Grid 54 S

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
52.95	54.85	Massive interm. Volcanic with 3-5% Py in the form										
		of a disseminated f.g. sulphide in irregular mm blebs.										
		Shearing particularly pronounced in the lower most 70 cm.										
54.85	55.38	Sheared slightly graphitic interm. tuff grading into	1854	54.90	56.9	2	0.009	0.018	NIL	TRACE		
		graphite schist at 55.38. 3-4% f.g. Py blebs in										
		matrix.										
55.38	58.40	Graphite (40% to 80%) schist with 10% to 15% contorted	1855	57.4	58.4	1	0.008	0.008	NIL	TRACE		
		hairline seams of white qtz and 5-8% f.g. massive Py										
		in blebs, patches and thin stringers which may locally										
		reach 0.5 to 1 cm in width.										
58.40	58.9	Graphitic interm. tuff breccia containing 4-6% f.g.	1856	58.4	59.9	1.5	0.004	0.013	NIL	TRACE		
		Py in blebs and patches.										
58.9	92.50	Generally massive f.g. to m.g. 'feldspathic' mafic										
		volcanic(?) with 1-3% disseminated Py and dispersed										
		Py blebs and porphyroblasts (2-3 mm).										
		58.9 to 76.0: Predominant feldspar, (same qtz)										
		content is suggestive of interm. composition.										

CONDUCTOR I

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-4, Grid 54S

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
58.9	92.50	76.0 to 92.50: Progressive increase in chlorite and										
		epidote content suggests more basic composition										
		i.e. 'andesitic'.										
		88.66 to 92.00: Degree of shearing increases downhole.										
		92.00 to 92.50: Slightly graphitic sheared mafic										
		volcaniclastic/tuff with 3-5% f.g. Py blebs and										
		2-5 mm Py crystals in matrix.										
92.50	97.70	Sequence of alternating Py bearing graphite schist	1857	94.7	96.2	1.5	0.006	0.006	NIL	TRACE		
		bands and graphitic cherty beds. Pronounced	1858	96.2	97.7	1.5	0.004	0.009	NIL	TRACE		
		deformation suggested by numerous highly contorted										
		qtz hairline veinlettes. 3-8% f.g. Py occuring										
		principally within seams and distorted patches 1 to 8										
		mm in width.										
97.70	99.0	Sequence of chlorite rich slightly siliceous tuffs.										
99.0	106.2	Massive m.g. diortie sill.										
		104.25 to 105.15: zone of rusty weathered ankerite.										
		Fe carbonate occur within thin fractures. Carbonate										

CONDUCTOR II

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-4, Grid 54S

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
90.0	106.2	porphyroblasts develop in groundmass proximal to										
		the fractures.										
106.20	112.05	Dark grey green shaly (chloritic) slightly graphitic	1859	106.90	108.42	1.52	0.004	0.004	NIL	TRACE		
		sediments with 3-5% f.g. m.g. Py in mm blebs	1860	108.42	109.94	1.52	0.002	0.005	NIL	TRACE		
		patches and seams which rarely reach 1 cm lN width.	1861	109.94	111.46	1.52	0.002	0.006	NIL	TRACE		
		Thin bedding @50° while schistosity cross cuts @30°.										
		110.4 to 112.5: Moderately graphitic sediments.										
		2-3 cm beds of aphanitic siliceous material inter										
		fingers with the more pelitic facies of these										
		sulphide lean I.F.										
112.05	117.54	Med. grained diorite dyke (contact @85°). Diorite										
		becomes progressively coarser grained and less										
		deformed away from contact zone. 1 m wide zone in										
		diorite near contact is sheared and contains small,										
		partly digested, xenoliths of shaly sediments and										
		weak Py mineralization.										
		112.80 to 113.0: 5-10% f.g. Py in irregular patches										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-4, Grid 54S

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
112.05	117.54	and seams up to 10 mm in width.										
		113.05 and 113.20: Two 1 cm wide sections of glomero										
		porphyritic Py (2-3 mm crystals) occurrences in										
		sheared silicified diorite groundmass.										
117.54		END OF HOLE.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

Sheet No. 1

LATITUDE 2N
DEPARTURE L1W
ELEVATION
BEARING GRID 0°
DIP AT COLLAR -55°
CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
93.5	-51°		

TOTAL DEPTH OF HOLE 121.0m

HOLE NO. 7515-78-5, Grid 23 N
PROJECT BARRY PROJECT
CLAIM NO. 367908-2 BRESSANI TWP.
CORE SIZE AQ
STARTED FEBRUARY 13TH, 1978
FINISHED FEBRUARY 15TH, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0	6.1	OVERBURDEN										
6.1	15.7	QUARTZ-BIOTITE GNEISS										
		Light grey, fine grained, well foliated quartz-										
		biotite-feldspar (amphibole) gneiss. About 10%										
		of light grey fragments, a few mm to 4-5cm in										
		size: probable metaconglomerate. Green tuff-										
		aceous horizons interbedded. Traces of sulfides										
		(interstitial Py-Po-Cpy). Core angles: 35° @										
		15.25m.										
15.7	24.2	AMPHIBOLE-BIOTITE GNEISS										
		Greenish grey to green, medium to coarse grained,										
		amphibole-biotite (quartz-feldspar) garnet gneiss.										
		From 10 to 30% of light grey, siliceous fragments,										
		up to several cm in size, more or less elongated.										
		Probable metamorphosed tuff breccia (mufic, felsic										

fragment). Slightly magnetic core.

LOGGED BY Jean Castonguay

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-5

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
24.2	32.2	QUARTZ-BIOTITE GNEISS										
		Same as previously described. Red garnets occasionally										
		present. No obvious fragment present. Metamorphosed										
		green tuffaceous horizons interbedded. Core angles:										
		60° @ 29.0m.										
32.2	44.2	METASEDIMENTS										
		Greenish grey, rather massive and homogeneous, fine										
		grained, biotite rich sandstone. Made up essentially										
		of quartz, feldspar, biotite, chlorite. Quartz-calcite										
		in thin veins.										
37.18	38.25	Fault breccia: highly brecciated zone in sandstone.										
		Angular fragments; gaps filled with calcite and quartz.										
		Blocky core. Probable conductive zone: fault zone										
		with water circulation.										
41.45	44.20	Tuffaceous horizon: green, fine grained, biotite and										
		amphibole (?) rich with probable intermediate fragments										
		as previously described. Core angle: 70° @ 42.7m.										
44.2	59.5	AMPHIBOLITE:										
		Green, homogeneous, rather massive (slightly foliated)										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-5

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
		very fine to fine grained probable metamorphosed mafic										
		lava flow. Made up essentially of green amphibole and										
		biotite (minor feldspar'?'). Several thin quartz veins										
		(3-5cm in thickness) with very low sulfides. Traces of										
		very fine grained disseminated sulfides (Py-Po).										
54.14	54.44	Quartz vein. Minor sulfides.	1617	54.14	54.44	0.30	0.029	0.006	NIL	TRACE		
59.5	68.6	QUARTZ-BIOTITE GNEISS (PROBABLE METAMORPHOSED CONGLOMERATE)										
		Light grey, fine to medium grained, well foliated meta-										
		sedimentary rock. Made up of quartz, feldspar, biotite										
		(minor amphibole) and well rounded, aphanitic, quartz-										
		rich fragments (4-5 cm in size). Core angle: 65° @										
		68.5m.										
68.6	73.8	AMPHIBOLE-GARNET GNEISS										
		Greenish grey to green, medium grained, well foliated										
		metavolcanic rock (tuff breccia ?). Composed of										
		amphibole, biotite, garnet (quartz, feldspar). Contains										
		elongated, light grey, aphanitic, intermediate to										
		felsic fragments.										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-5

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
73.8	87.8	QUARTZ-BIOTITE GNEISS (AS PREVIOUSLY DESCRIBED).										
		Probable metamorphosed sandstone. Minor garnet										
		present. Metamorphosed green tuffaceous (?) horizons										
		(garnet-rich) interbedded.										
87.8	100.3	QUARTZ-BIOTITE GNEISS										
		Probable metamorphosed conglomerate (as previously										
		described). 40-50% of fragments (average 1cm in size).										
		Well rounded to elongated fragments, light grey,										
		siliceous, rather homogeneous in composition. Minor										
		garnet. Core angle: 55° @ 91.5m.										
84.43	84.89	Quartz vein.										
100.3	121.0	QUARTZ-BIOTITE GNEISS (AS PREVIOUS).										
		Probable metamorphosed sandstone(?).										
		END OF HOLE 121.0										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE _____

ELEVATION _____

BEARING Grid 180°

DIP AT COLLAR -55°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
~~90.58~~ m	~~42~~°		

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD TOTAL DEPTH OF HOLE 92 m

HOLE NO. 7515-78-6, Grid 22S

PROJECT Barry Project

CLAIM NO. 357667-3, 600 S.W. From Post 1 URBAN TWP.

CORE SIZE AQ

STARTED February 17, 1978

FINISHED February 21, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	3.05	CASING: Sand										
3.05	6.55	Sheared essentially massive finely qtz+fel.										
		porphyritic rhyolite. Occasional 0.5- to 2 cm										
		sterile grey qtz veins cross cut @ 90° <1%										
		disseminated f.g. Py + Po.										
6.55	90.75	Sequence of finely bedded to laminated interbeds										
		of mafic and siliceous to cherty volcaniclastics.										
		Individual sedimentary units appear to be composed										
		of a mafic base which frequently grades into a										
		silica rich or cherty top. Mafic fraction (65%)										
		is considerably more abundant than siliceous										
		fraction (35%). Bedding and schistosity are										
		sub parallel and @30° individual units are										
		generally 2 to 10 cm thick, rarely exceeding 30 cm.										

LOGGED BY R. COTE

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-6, Grid 22S

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
6.55	90.75	Color tones vary from dark green for the mafic fraction										
		to beige white for the cherty fraction. The latter										
		commonly contain abundant chloritic specks (4 mm-1 mm)										
		thought to be psuedomorphs after mafic crystals.										
		4% f.g. Py in matrix (localized along bedding planes).										
		Widely spaced sterile cross-cutting qtz veins.										
		18.25-19.57 Thick section of almost exclusively										
		mafic tuff/sediments.										
		19.80-20.30 Locally laminated dark grey-green mafic										
		volcaniclastics containing 1-2% f.g. Py + Po in	1862	19.80	20.30	0.5	TRACE	.031	NIL	TRACE		
		hairline seams and stringers//bedding.										
		20.30-20.80 Grey-blue qtz vein with 1% f.g. Py +										
		Po blebs.	1863	20.30	20.80	0.5	NIL	TRACE	NIL	TRACE		
		21.30-22.60 Weakly magnetic siliceous qtz porphyritic										
		tuff displaying 1% fe sulphides in hairline seams.										
		Bedding @35°.										
		26.00-31.9 Section of slightly graphitic dark green to										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-6, Grid 22S

PROJECT Barry Project

METRIC		DESCRIPTION	SAMPLE NO.	METRIC			ASSAYS					
FROM	TO			FROM	TO	METERS	%Cu	% Zn	oz Au	oz Ag		
6.55	90.75	almost black volcanic (?) sediments. Shaly										
		looking sediments with occasional hairline seams of										
		massive f.g. Py, monor Po.										
		32.0-33.47 Zone containing 3-5%, f.g. Py minor Po										
		in dark slightly graphitic shaly sediments rich in										
		qtz-carb veinletes and stringers (10%). The										
		in frequent 1-3 mm (rarely wider) seams of massive										
		f.g. Py along with irregular contorted blebs of Fe										
		sulphide associated with the qtz-carb vein material, are										
		present; bedding @37°.										
		42.8-48.00 Weakly magnetic.Mostly thin massive beds										
		(10 to 50 cm) of mafic tuff/volcaniclastics with										
		very restricted siliceous components. Occasional										
		1-2 cm grey qtz veins.										
		51.20-51.30 Grey-blue cross cutting qtz vein.										
		51.30-52.00 Moderately magnetic strongly deformed										
		interm. tuff (?) (chlorite-sericite schist). Rich										
		in qtz veins // schistosity. Magnetic character										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-6, Grid 22S

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
6.55	90.75	is due essentially to 1-2% hairline seams of massive										
		f.g. Po + Py. Fe sulphides also localized along										
		joint surfaces which are at a strong angle to main										
		schistosity.										
		52.00-59.50 Sequence of dark grey to black shaly										
		silica -rich thin bedded sediments. Sedimentary										
		units grade rapidly from shaly to cherty (silica-rich)										
		facies over several cm. 1-2% f.g. Py + Po in										
		hairline seams // bedding.										
		53.20-53.40 4-5% massive f.g. Py + Po										
		in irregular 1-3 mm seams and blebs.										
		53.50-53.65 4-5% massive f.g. Py + Po										
		in irregular 1-3 mm seams and blebs. Fe sulphide	1865	53.20	53.65	0.45	NIL	0.012	NIL	TRACE		
		mineralization also includes 5-7 mm nodules of f.g.										
		Py with associated qtz pressure shadow zones which										
		may contain 1% sph (?)										
		55.20-56.00 3-4% massive f.g. to m.g.										

MAIN CONDUCTOR

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-6, Grid 22 S

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
6.55	90.75	Py, minor Po concentrated in widely spaced 1-4 cm										
		bands rich in qtz, agglomeration of 3-10 mm Py										
		nodules and vuggy patches and seams of m.g. Py.	1866	54.20	56.00	1.8	0.001	0.025	NIL	TRACE		
		Locally these bands contain 5-10%Fe sulphides.										
		At 55.90 m: 1 cm band associated with Py nodules										
		which contains finely dissem. Py and possibly Sph.										
		(1-2%?). Host rock is very slightly graphitic.										
		56.00-59.50 Shaly sediments interbedded	1867	56.00	57.12	1.12	nil	0.002	NIL	TRACE		
		with mafic tuffs. 1-3% massive f.g. Py, minor Po										
		in widely spaced 5-10 mm bands, lensoid patches										
		and more rarely as finely dissem. sulphides in										
		0.5 to 1 cm sections. Bedding @45°.										
		59.50 to 60.40 Moderately magnetic mafic	1868	59.30	60.40	1.1	0.001	0.025	NIL	TRACE		
		tuffs beds containing 4-6% massive f.g. Py (70%)										
		Po (30%) in 1-5 mm discontinuous seams, vuggy										
		patches and less frequently as nodules.										
		60.30-60.40 10 cm section rich in qtz										
		vein and stringer material containing 10% to 20%										

WEAK CONDUCTOR

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-6, Grid 22S

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
6.55	90.75	f.g. to m.g. Py, minor Po and possibly 3-4% very										
		f.g. Sph?										
		60.40-62.10 Section of more feldspathic										
		pale green volcaniclastic with minor argillaceous										
		units in which is found 3-4% f.g. Py blebs patches.										
		62.10-90.75 Mafic tuff and pelitic										
		sediment interbeds. 2-3% massive f.g. Py occuring										
		along widely spaced hairline seams and patches 1-4 mm										
		in width. Bedding @43°.										
		83.70-84.00 Wall rock to white qtz vein-	1869	83.70	84.00	0.3	0.013	0.024	NIL	TRACE		
		contains 4-5% f.g. Py-Po patches and thin seams										
		1-5 mm in width.										
		84.00-84.10 White qtz vein with 50% host	1870	84.00	84.10	0.1	NIL	0.007	NIL	TRACE		
		rock fragments and thin bands of sericite-talc schist;										
		1% Py in thin seams.										
		85.10-85.58 Grey-white qtz vein containing	1871	85.10	85.58	0.48	NIL	0.012	NIL	TRACE		
		30-40% 1-2 cm bands of sericite-talc schist and										
		minor hairline seams of f.g. Py.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-6, 22 S

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
6.55	90.75	86.05-87.60 Wall rock to qtz vein consists	1872	86.05	87.60	1.55	0.007	0.050	NIL	TRACE		
		of mafic volcaniclastic material bearing 2% to 5%										
		massive f.g. 'bright' Py minor Po in widely spaced										
		mm seams, irregular patchy concentrations (4 cm)										
		and minor Py nodules (1-3 mm). TR CP.										
		87.60-88.16 Grey qtz vein containing	1873	87.60	88.16	0.56	TRACE	0.002	NIL	TRACE		
		1-2 cm bands of sericite-talc schist and mm specks										
		and hairline seams of f.g. Py.										
90.75	91.80	Sheared mafic dike (?) with 1-2% dissem. Py and										
		the occasional mm seam of f.g. Py.										
91.80	92.00	Qtz-sericite rich section in volcaniclastics (?)										
		with 2-3% massive f.g. Py-Po in seams.										
92.00		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE 38S
DEPARTURE L3E
ELEVATION
BEARING Grid 0°
DIP AT COLLAR -55°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
92.0	-51°		

HOLE NO. 7515-78-7, Grid 22 N
PROJECT Barry Project
CLAIM NO. 367917-4 L'Espinay Twp.
CORE SIZE AQ
STARTED February 18, 1978
FINISHED February 20, 1978

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD TOTAL DEPTH OF HOLE 92.0 m

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	25.9	OVERBURDEN: (Sand, some boulders)										
25.9	45.7	INTERMEDIATE TO FELSIC FLOW										
		Light grey to greenish grey, aphanitic to very										
		fine grained, rather homogeneous and massive rock.										
		Occasionally porphyritic: small feldspar crystals,										
		less than 0.5 mm in size. Complex joint system;										
		slightly schistose in some places. Fairly hard										
		and siliceous rock: dacitic to rhyodacitic in										
		composition. Blocky core. Core angle (most										
		common joint set): 70° @35.0 m. Varying from										
		65° to 75°.										
45.7	60.7	FELSIC TUFF										
		Light grey to greenish grey, aphanitic to very										
		fine grained, slightly schistose, rather homo-										
		geneous rhyolite tuff. Very hard and siliceous										

LOGGED BY J. CASTONGUAY

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-7, Grid 22N

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
45.7	60.7	46.3-60.7 From less than 0.5% to 3% Fe-sulphides	1618	47.2	48.7	1.5	0.007	0.007	NIL	TRACE		
		(pyrrhotite, pyrite, traces of sphalerite) in small	1619	48.8	50.3	1.5	0.002	0.001	NIL	TRACE		
		elongated specks and semi-massive to massive	1620	50.3	51.8	1.5	NIL	0.001	NIL	TRACE		
		sulphides stringers and patches subparallel to	1621	51.8	53.3	1.5	TRACE	0.002	NIL	TRACE		
		schistosity and/or layering. Irregular stringers	1622	53.3	54.8	1.5	NIL	NIL	NIL	TRACE		
		never more than 1-2 cm in thickness. Sulphides	1623	54.9	56.4	1.5	NIL	TRACE	NIL	TRACE		
		also filling fractures in brecciated zones.	1624	56.4	57.9	1.5	NIL	0.016	NIL	TRACE		
		Pyrrhotite is the predominent Fe-sulphide (60-	1625	57.9	59.4	1.5	NIL	0.088	NIL	TRACE		
		70% of the sulphides). Core angles: (layering-	1626	59.4	60.6	1.2	NIL	0.006	NIL	TRACE		
		schistosity): 65° @ 47.2 m, 75° @ 59.4 m.										
		47.2-53.3 0.05% to 1% Fe-sulphides.										
		Specks and stringers of Po, minor Py.										
		53.3-57.9 1% to 2% Po, minor Py in										
		stringers and filling fractures of brecciated zones.										
		57.9-59.4 2% to 3% Po, Py, traces of										
		specks in stringers and fractures.										
		59.4-60.6 1% Fe-sulphides.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-7, Grid 22N

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
60.7	84.5	INTERMEDIATE TO FELSIC FRAGMENTAL ROCK										
		Greenish grey, aphanitic to very fine grained, homo-										
		generous, slightly schistose, tuff and tuff breccia.										
		Fairly hard and siliceous rock. (Probably rhyodacitic										
		in composition?). Minor secondary biotite. Traces of										
		sulphides: stringers of pyrite and pyrrhotite. Less										
		than 10% felsic fragments, more than 5 cm in size.										
		Block core. Core angles: 72° @ 70.00 m.										
		69.8-72.1 Felsic agglomerate: up to 60% felsic										
		fragments in a siliceous matrix (more than 4 cm in										
		size.)										
84.5	92.0	QUARTZ-BIOTITE MICROGNEISS										
		Light grey to greenish grey, fine grained, well										
		foliated, quartz-feldspar, biotite microgneiss.										
		Traces of Fe-sulphides. Core angles (gneissosity-										
		bedding?): 72° @ 86.9 m.										
92.0		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE 63N
DEPARTURE L3E
ELEVATION
BEARING Grid 0°
DIP AT COLLAR -55°
CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
91.5m	-43°		

TOTAL DEPTH OF HOLE 91.5 m

HOLE NO. 7515-78-8, Grid 35N
PROJECT Barry Project
CLAIM NO. 365716-2-3 L'Espinay Twp
CORE SIZE AQ
STARTED February 24, 1978
FINISHED February 26, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	26.8	OVERBURDEN (Swamp-boulders near bedrock)										
26.8	30.9	INTERMEDIATE TO FELSIC TUFF										
		Light green, fine grained, homogeneous and rather										
		massive dacitic tuff. Slightly foliated (schistose).										
		Layering rarely obvious. Common quartz-calcite										
		stringers cross-cutting foliation, up to 2 few										
		cm in thickness.										
		Mineralization: less than 1% Fe-sulphides	1627	27.3	28.3	1.0	0.006	0.007	TRACE	TRACE		
		(mainly pyrrhotite, minor pyrite) in massive thin	1628	28.3	29.3	1.0	0.005	0.006	TRACE	TRACE		
		stringers and patches never more than a few mm										
		in thickness.										
		30.4-30.6 Quartz-carbonate vein and stringers.										
		30.7-30.9 Rusty (oxidized) zone. 10% to 20%										
		rusty coloured Fe-sulphides. Quartz stringers.										
30.9	36.7	MAFIC TO INTERMEDIATE TUFF										

LOGGED BY J. Castonguay

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-8

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
		Light to dark green, fine to medium grained, well banded basic tuff. Interbedded bands of fine grained and medium grained material. Individual bands are 1cm to 30cm in thickness (average 3-5cm for coarser grained bands). Medium grained bands made up of 10-50% dark green crystals, 1-3mm in size in a fine grained matrix (unidentified ferromagnesium mineral). Local quartz-carbonate stringers. Traces of disseminated Fe-sulfides. Core angles: 62° @ 36.5m (banding).										
36.7	42.6	FELSIC TUFF Light grey to beige, fine grained, homogeneous, more or less obviously laminated, slightly schistose and fractured rhyolite tuff. Light grey to white feldspar crystals (or fragments) make up 20-25% of the rock (subangular in shape and less than 0.5mm in size). Fairly hard and siliceous rock. Locally sericite rich where highly schistose. Sericite virtually always present in small quantity. Schistosity subparallel to layering. Rock locally heavily fractured. Core angles: 78° @ 39.0m (layering) 65° @ 40.0 (schistosity)										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-8

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
36.7	42.6	Mineralization: 0.5% to 10% (locally 60-80%) Fe-sulphides										
		mineralization in fine irregular stringers, patches and										
		specks. Occurs uniformily as very small elongated										
		specks parallel to layering and/or schistosity. (less										
		than 0.5 mm to 1-2 mm in size). Locally occurs in										
		massive irregular stringers and patches (never more than										
		1 cm in thickness) and often remobilized along irregular										
		(orthogonal?) fractures (interstitial sulphides).										
		Pyrrhotite make up 90% of the Fe-sulphide (Minor pyrite,										
		very low chalcopyrite).										
		36.7-38.5 0.5-1% Fe-sulphides. Po mainly in small speck.										
		38.5-38.6 Massive pyrrhotite (60-80% Po, minor Py, Cpy).	1629	36.96	38.46	1.50	0.005	0.005	TRACE	TRACE		
		38.6-89.8 0.5-1% Fe sulphides (small specks).	1630	38.47	38.77	0.30	0.012	TRACE	TRACE	0.01		
		39.8-40.9 5-10% Fe-sulphides in semi-massive to	1631	38.77	39.77	1.00	0.005	0.004	TRACE	0.01		
		massive 1-2 cm in size irregular stringers and	1632	39.78	40.78	1.00	0.007	0.016	TRACE	TRACE		
		patches (predominently Po).	1633	40.78	41.78	1.00	0.005	0.010	TRACE	TRACE		
		40.9-42.6 1-2% Fe-sulphides in thin (less than 1 mm)	1634	41.80	42.60	0.80	0.002	0.005	TRACE	TRACE		
		hairline stringers.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-8

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
42.6	48.7	GRAPHITIC SHALE										
		Dark grey to black, highly schistose, well laminated	1635	42.62	44.12	1.50	NIL	.024	TRACE	TRACE		
		(occasionnal distorted bedding and brecciated zones),	1636	44.15	45.65	1.50	NIL	.041	TRACE	.01		
		argillaceous graphitic slaty shale. 50-80% graphite;	1637	45.66	46.66	1.00	NIL	.015	TRACE	TRACE		
		1-2% Fe-sulfides in thin bands (never more than a few	1638	47.67	48.67	1.00	NIL	.022	TRACE	.01		
		mm in thickness) parallel to layering and often										
		associated with carbonate bands and/or deformed modules.										
		Numerous thin calcite stringers (fractures and gaps										
		filling). Core angles (bedding/schistosity): 58° @										
		44.0, 55° @ 48.5										
48.7	64.5	FELSIC VOLCANICLASTICS (TUFF-TUFF BRECCIA)										
		Light grey to greenish grey, very fine to fine grained,										
		generally well foliated rock (good layering, high										
		schistosity). Often sericitized rock. Rather uniformily										
		mineralized in Fe-sulfides in hairline stringers and										
		little specks (generally less than 0.5mm in thickness,										
		never exceeding 1cm): disseminated pyrrhotite, very										
		low pyrite, chalcopyrite. Quartz-carbonate stringers										
		and thin veins fairly common.										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-8

PROJECT Barry =

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
48.7	54.1	Quartz-sericite schist. Very fine grained, highly schistose, felsic tuff. Mineralization from 48.7 to 50.2: up to 10% semi-massive. Fe-sulphides (mainly Po, minor Py) in irregular stringers and patches generally not more than 0.5 cm in thickness. Smokey, quartz vein: 50.69-50.84. Core angles: 65° @ 49.5 (schistosity). 54.1-58.5 Felsic lapilli tuff - up to 50-60% felsic lapilli size fragments. Disseminated Fe-sulphides (po). Few elongated sulphides fragments. Core angles: 58° @55.0 m (bedding). Siliceous, fine grained, mm laminated, slightly graphitic sediment with less than 1% laminated and modular Fe-sulphides: 54.4-54.5, 57.5-57.6. 59.8-61.4 Graphitic shale- similar to previously described. 1-2% Fe-sulphides (Po, minor Py). 61.4-64.5 Felsic crystal tuff: fine to medium grained, rather homogeneous crystal tuff. 0.5-2 mm in size feldspar crystals make up 10-25% of the rock.	1639	48.70	50.20	1.50	NIL	0.003	TRACE	TRACE		

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-8

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
64.5	91.5	INTERMEDIATE TUFF										
		Light greenish grey, fine grained, highly schistose,										
		dacitic tuff. Rather homogeneous in composition and										
		structure. Slightly chloritized and/or sericitized										
		quartz-rich rock. Local secondary biotite. Layering										
		not obvious. Possible 3-4cm in size fragments in										
		some places. Local brecciated zones. Minor disseminated										
		Fe-sulfides. Common quartz and quartz-carbonate										
		stringers.										
		Quartz veins: 77.5-77.7, 84.2-84.3, 84.5-84.8,										
		89.0-89.1										
		Core angles: 65° @ 68.5m, 70° @ 89.9m										
91.5		END OF HOLE										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

LATITUDE L-7W

DEPARTURE 164 m south

ELEVATION

BEARING Grid 0°

DIP AT COLLAR -60°

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
	°		
83.87	-51°		
157.68	-49°		

TOTAL DEPTH OF HOLE 157.68 m

HOLE NO. 7515S78-9, GRID 13S-1

PROJECT Barry

CLAIM NO. 362974-4, Souart Twp

CORE SIZE AQ

STARTED February 26, 1978

FINISHED March 2, 1978

METRIC		DESCRIPTION	SAMPLE NO.	METRIC			ASSAYS					
FROM	TO			FROM	TO	METERS	% Cu	% Zn	oz Au	oz Ag		
0.00	23.79	OVERBURDEN Sand, gravel, minor boulders.										
23.80	93.33	MAFIC LAVA Fine-grained, grey quartz-carbonate										
		anygdular or massire lava flow fractured filled										
		with hairline quartz-carbonate veins. Well										
		schistosed 70-80° to core axis. Mineralized										
		with 1-3% disseminated sulphides; pyrite (py)										
		pyrrhotite (po) and chalcopyrite (4%) as specks.										
		@25.95 34 cm section with unidentified vermullion red										
		oxide (ruby jack sphalerite)?										
		@35.45: 20 cm quartz vein with less <1% sulphides.										
		Po and cpy flakes.										
		@40.93 18 cm quartz-vein same as above.										
		@55.03 6 cm light grey, cherty flow material										
		conformable m/h lavas (tuff).										

LOGGED BY PIERRE JEANSONNE

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-9

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
23.80	93.33	64.48-65.36 Rhyolite Tuff. Fine grained light grey										
		cherty siliceous sediments. Bedded 84° to core										
		axis. Lightly sericitized. Minor sulphides.										
		Po, py and Cpy flakes.										
		@86.31 12 cm quartz vein.										
93.34	94.36	QUARTZ VEINS White quartz veins with mineralized										
		mafic lava flow and sulphides stringers. Pyrrhotite										
		is dominent in lava and veins with chalcopyrite										
		flakes. Core angles are 50-60° to core axis.										
		Sample 1874: Wall zone in mafic lava minor arsenopyrite	1874	92.34	93.34	1.0	0.006	0.012	TRACE	TRACE		
		in small quartz-carbonate veins rare po, py.	1875	93.34	94.34	1.0	0.021	0.082	0.005	0.01		
		Sample 1875: Wall zone in tuff volcaniclastics										
		argillaceous sediments with <1% arsenopyrite and										
		minor po, py.	1876	94.34	95.34	1.0	0.008	0.016	TRACE	TRACE		
94.37	105.83	CONDUCTOR: MAFIC LAVA AND TUFF/VOLCANICLASTICS SEDIMENTS.										
		Mafic lava flows with minor beds of magnetite rich										
		argillaceous sediments and mafic tuffs. Pink										
		garnets are poorly developed in argillaceous										
		sediments. Generally mineralized with 1-3%										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-9

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
94.37	105.83	disseminated sulphides but with concentrations of										
		10% and more in tuffs/volcaniclastics horizons.										
		Pyrite (py), Pyrrhotite (po), magnetite (Mag)										
		are dominent with local concentrations of										
		arsenopyrite, chalcopyrite (Cpy) and sphalerite (Sph).										
		Py, Po, Cpy are also found in quartz veins as										
		stringers. Well schistosed 80° to core axis.										
		Sample 1877: Magnetite rich sediments <1% disseminated	1877	96.34	97.34	1.0	0.016	0.009	TRACE	TRACE		
		py, po and cpy.										
		97.34-97.58 MINERALIZED ZONE	1878	97.34	97.58	0.24	0.036	1.30	0.14	0.40		
		50% sulphides in brecciated zone disseminated and										
		as stringers in quartz vein (60% po, 20% arsenopyrite										
		10% py, minor cpy and Sph.)										
		Sample 1879: Magnetite rich sediment, with minor	1879	97.58	98.58	1.0	0.016	0.039	TRACE	TRACE		
		po, py and cpy specks. <1% arsenopyrite.sam										
		Sample 1880: Mag. rich sediment, 3-5% pyrite,	1880	99.73	100.73	1.0	0.006	0.016	TRACE	0.01		
		<1% arsenopyrite.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-9

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
105.84	124.13	MAFIC LAVA										
		As above from 23.80-93.33. Core angle 80°.	1881	119.04	119.24	.20	0.050	0.027	TRACE	TRACE		
		Sample 1881: Sheared mafic lava 10% disseminated										
		sulphides (tuff)?										
124.14	129.86	CONDUCTOR: BRECCIATED MINERALIZED ZONE	1882	123.13	124.13	1.0	0.055	0.017	TRACE	0.01		
		Black volcanic glass flow massive or amygdular well	1883	124.13	125.13	1.0	0.047	NIL	NIL	TRACE		
		fractured and intruded with glassy quartz veins.	1884	125.13	126.13	1.0	0.070	0.009	0.005	0.16		
		Sulphides stringers are present in quartz and	1885	126.13	127.13	1.0	0.054	NIL	0.005	0.20		
		fragmental material. Py, Po and Cpy are major	1886	127.13	128.40	1.27	0.260	0.007	0.02	0.31		
		sulphides.	1887	128.40	129.50	1.10	0.100	0.017	TRACE	0.11		
		125.05-128.40 Volcanic glass, massive well fractured										
		and filled with quartz. Stringers of Py, Po and										
		Cpy.										
		128.41-129.16 Magnetite rich sediment.										
		129.17-129.86 Quartz amygdules volcanic glass										
		fractured with sulphides stringers po, py and cpy.										
		and crystalline pyrite around amygdules.										
129.87	136.33	MAFIC LAVA AND TUFFS/VOLCANICLASTICS SEDIMENTS	1888	129.50	130.0	0.50	0.078	0.011	0.005	0.02		

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-9

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
129.87	136.33	As per 94.37-105.83	1889	131.66	132.66	1.0	0.014	0.190	.005	.02		
		@136.03 16 cm quartz vein, broken and mineralization										
		was probably grinded. Contacts 40° to core axis.										
136.34	157.68	MAFIC LAVA										
		As above from 23.80-93.33 mainly massive lava flow.										
157.68		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE 20S
DEPARTURE L1W
ELEVATION
BEARING GRID 0°
DIP AT COLLAR -55°
CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
91.5m	-42°		

TOTAL DEPTH OF HOLE 91.5m

HOLE NO. 7515-78-10 (GRID 18N)
PROJECT BARRY PROJECT
CLAIM NO. 367907-2 L'ESPINAY TWP.
CORE SIZE AQ
STARTED MARCH 4TH, 1978
FINISHED MARCH 6TH, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0	7.6	OVERBURDEN										
7.6	11.9	ARKOSIC METASEDIMENT										
		Light grey, medium grained, well foliated and/or										
		layered, quartz, feldspar, biotite, (sericite/										
		chlorite) schist: metamorphosed arkosic sediment										
		or volcaniclastic. Poor layering. Obviously										
		recrystallized rock. Banding marked by changes										
		in composition (color). Bands from 1-2cm to										
		10-15cm in thickness. Quartz-tourmaline, quartz										
		carbonate stringers and veins common (1-5cm in										
		thickness).. Traces of sulfides: cubic pyrite										
		crystals. Core angles: 55° @ 8m.										
11.9	15.5	INTERBEDDED SILICEOUS SEDIMENTS AND MAFIC										
		VOLCANICLASTICS										
		White, light grey and greenish grey, aphanitic										

LOGGED BY Jean Castonguay

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-10 (GRID 18N)

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
		to fine grained, well layered quartz-rich sediments										
		and volcaniclastics. Interbedded metamorphosed impure										
		quartzite or quartz-rich sandstone, white to light grey										
		cherts and mafic volcanic sediments. Individual bands										
		from a few mm to 3 or 4cm in thickness. Secondary										
		biotite/chlorite common. Few cubic crystals of pyrite.										
		Some rusty zones: probably leached Fe-sulfides replaced										
		by Fe-oxides and/or Fe-carbonates. Core angles:										
		70° @ 13m.										
15.5	23.2	FELSIC TUFF										
		Light grey, aphanitic, rather massive heterogeneous in										
		colour and composition rhyolite tuff. Rare very small										
		white fragments. Quartz-eyes fairly common (up to 5%										
		of the rock): quartz phenocrysts, rounded to subangular										
		and 1-3mm in size. Numerous quartz veins 1-5cm in										
		thickness apparently causing local silicification of										
		the lost rock. Interbeds of well layered arkosic meta-										
		sediments or mafic volcaniclastic: 19.9-20.2, 21.1-										
		22.7, 23.0-23.1. Core angles: 65° @ 20m.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-10 (GRID 18N)

PROJECT BARRY PROJECT

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
23.2	34.1	INTERBEDDED SILICEOUS SEDIMENTS AND MAFIC VOLCANICLASTICS										
		Same as previously described. Quartz veins 1-3cm in										
		thickness, common. Core angles: 55° @ 27m.										
		25.0-25.5 Diabase dike.										
34.1	40.2	ARKOSIC METASEDIMENTS										
		Similar to previously described. Core angle: 65° @ 36.0m.										
40.2	57.4	INTERBEDDED SILICEOUS SEDIMENTS AND MAFIC VOLCANICLASTICS										
		(same as previous). Aphanitic to fine grained,										
		siliceous, cherty volcanic sediments with interbeds of										
		rather mafic volcaniclastics. Bedding not well defined.										
		Secondary chlorite/biotite common. Highly siliceous										
		rock: locally heavily fractured. Rare quartz-carbonate										
		stringers and veins never more than 3-5cm in thickness.										
		Rusty zones.										
57.4	62.5	QUARTZ-SERICITE-RICH VOLCANICLASTICS										
		Light grey to beige, aphanitic to fine grained, felsic										
		volcaniclastics and dark grey chert bands. Layering										
		obvious: occasionnaly distorted and brecciated. High										
		schistosity - sericitized rock.										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-10 (Grid 18N)

PROJECT Barry Project

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
		CONDUCTOR:										
57.4	62.5	Mineralization: from 0.5% to 10-12% disseminated to	1641	57.4	58.4	1.0	0.001	0.006	NIL	TRACE		
		semi-massive sulphides in hairline stringers and specks	1642	58.4	58.9	0.5	TRACE	0.003	TRACE	TRACE		
		and irregular thin bands, stringers and patches,	1643	58.9	59.9	1.0	TRACE	0.002T	TRACE	TRACE		
		obviously following no given pattern other than	1644	60.00	61.0	1.0	TRACE	0.002	TRACE	0.005		
		irregular fractures and schistosity planes.	1645	61.0	62.0	1.0	TRACE	NIL	NIL	TRACE		
		57.4-58.4 Less than 0.5% to 1% disseminated Fe-	1646	62.0	62.4	0.4	TRACE	NIL	NIL	TRACE		
		sulphides in small specks and thin hairline										
		stringers never exceeding 0.5 to 1 mm in thickness.										
		58.4-58.6 10-12% semi-massive (to massive) Fe-sulphides										
		in irregular bands and stringers from less than										
		0.5 to 3 cm in thickness. Predominantly Py, low Po.										
		58.6-62.5 3-5% Fe-sulphides in widely spaced semi-										
		massive irregular bands and stringers and/or										
		patches from a few mm to 1-2 cm in thickness.										
		Predominantly Py first; increasing Po proportion.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-10 (GRID 18N)

PROJECT BARRY PROJECT

METRIC		DESCRIPTION	SAMPLE NO.	METRIC			ASSAYS					
FROM	TO			FROM	TO	METERS	%Cu	% Zn	oz Au	oz Ag		
62.5	91.5	INTERBEDDED SILICEOUS AND MAFIC VOLCANICLASTICS										
		Similar to previously described. Grey to greenish										
		grey, fine grained, well laminated and foliated (good										
		schistosity) metamorphosed interbeds of impure quartzite,										
		laminated chert and more mafic volcanic sediments.										
		Secondary biotite/chlorite common. Locally sericitized										
		to various degrees. Individual beds seem to be a few										
		mm to a few cm in thickness. Few quartz and quartz-										
		tourmaline veins intruding the sequence (1.5cm in										
		thickness).										
		Core angles: 70° @ 76m, 66° @ 90m (schistosity/layering)										
		END OF HOLE 91.5m										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE LINE 6 W
DEPARTURE 138 m South
ELEVATION
BEARING Grid 0°
DIP AT COLLAR -50°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
91.5	-41°		

HOLE NO. 7515-78-11, Gird 13S-2
PROJECT Barry
CLAIM NO. 362974-4, Souart Twp.
CORE SIZE AQ
STARTED March 4, 1978
FINISHED March 5, 1978

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING
TOTAL DEPTH OF HOLE 92.04 m

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	14.94	OVERBURDEN Sand										
14.95	36.99	MAFIC LAVA										
		Fine-grained, grey, quartz-carbonate amygdular										
		or massive lava flow fractured, filled with										
		hairline quartz carbonate veins. Well schistosed										
		80° to core axis, mineralized with 1-3% dissem-										
		inated pyrite and pyrrhotite, chalcopyrite as specks.										
		@24.49 9 cm quartz-carbonate vein, <1% pyrite										
		(py), pyrrhotite (po) and chalcopyrite (Cpy) specks.										
37.00	51.77	MAFIC LAVA AND TUFFS/VOLCANICLASTICS SEDIMENTS.										
		Mafic lava flows with minor beds of magnetite										
		rich mafic tuffs and argillaceous sediments.										
		Pink quartz poorly developed in argillaceous										
		sediments. Generally mineralized into 1-3%										

LOGGED BY Pierre Jeansonne

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-11

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
37.00	51.77	disseminated sulphides but with concentration of										
		sulphides 10% and more in tuffs/volcaniclastic										
		horizons. Pyrite, Pyrrhotite Magnetite dominant										
		with presence of chalcopyrite, sphalerite and										
		arsenopyrite locally. Well schistosed 80° to core										
		axis.										
		CONDUCTOR: 37.51-39.01 Tuffs, grey siliceous with 10%	1890	37.51	39.01	1.50	0.022	0.34	TRACE	0.12		
		disseminated sulphides, py, po and cpy specks.										
		Sphalerite streaks.										
		46.66-47.15 Magnetite rich argillite sediments,	1891	46.65	47.15	.50	0.045	0.071	0.005	0.06		
		3-5% diss. sulphides py, po and 1% arsenopyrite.										
		47.15-47.95 MINERALIZED ZONE	1892	47.15	47.95	.80	0.014	0.85	0.06	0.08		
		Tuffs, cherty mineralized with 40% diss. sulphides										
		with a 15 cm massive sulphides section carrying										
		50% po, py, 40% arsenopyrite, 10% sphalerite and										
		minor chalcopyrite.										
		47.95-48.41 12 cm quartz vein in mineralized tuff	1893	47.95	48.41	.46	0.022	0.001	TRACE	0.02		
		20% diss. po, py and 1% cpy.										

CONDUCTOR

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-11

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
37.00	51.77	48.41-49.11 Tuffs, cherty 30% diss. sulphides										
		20% py, po 10% arsenopyrite.	1894	48.41	49.11	.70	0.017	0.001	0.01	0.03		
		49.47-50.47 Magnetite rich sediment argillaceous,	1895	49.47	50.47	1.0	0.013	0.021	0.02	0.12		
		20% diss sulphides, 10% py, po with up to 10%										
		arsenopyrite locally.										
		51.27-51.77 Magnetite rich argillaceous sediment	1896	51.27	51.77	.50	0.041	0.050	0.01	0.11		
		20% diss. sulphides.										
51.78	71.98	MAFIC LAVA										
		As above from 14.95-36.99.										
71.99	80.52	MAFIC LAVA AND TUFFS/VOLCANICLASTIC SEDIMENTS.										
		As per 37.00-51.77. Sulphides mainly pyrite and										
		pyrrhotite. Well schistosed 80° to core axis.										
80.53	92.04	MAFIC LAVA										
		As per 14.95-36.99. Mainly massive.										
92.04		END OF HOLE.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE Line 8 W

DEPARTURE 86 m South

ELEVATION

BEARING Grid 0°

DIP AT COLLAR -50°

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
91.5 m	44°		

TOTAL DEPTH OF HOLE 91.80

HOLE NO. 7515-78-12, Grid 13s-3

PROJECT Barry

CLAIM NO. 362974-4, Souart Twp.

CORE SIZE AQ

STARTED March 7, 1978

FINISHED March 9, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	21.96	OVERBURDEN Sand, boulders up to 3' dia. (1 m)										
21.97	46.02	MAFIC LAVA										
		Fine-grained, grey quartz-carbonate amygdular										
		or massive lava flow with minor argillaceous										
		beds of sedimentary material; fractured filled										
		with hairline quartz-carbonate veins. Well										
		schistosed 80-90° to core axis, mineralized with										
		1-3% disseminated sulphides, pyrite (py) and										
		pyrrhotite (po) with 1% magnetite in argillaceous										
		sediments.										
46.03	58.96	MAFIC VOLCANICS/TUFFS VOLCANICLASTICS										
		Mafic lava flows with minor beds of magnetic rich										
		mafic tuffs and argillaceous sediments. Pink										
		garnets poorly developed in argillaceous										

LOGGED BY Pierre Jeansonne

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-12

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
46.03	58.96	sediments. Generally mineralized with 1-3% disseminated										
		sulphides but with local concentrations of 10%										
		and more in tuffs/volcaniclastics horizons and										
		in deformation zones in lavas where quartz veins										
		occur with sulphide stringers. Pyrite and pyrrhotite										
		are dominant with presence of magnetite, chalcopyrite,										
		arsenopyrite and sphalerite. Well schistosed 90°										
		to core axis with contorted zones around quartz										
		veins.										
		46.18-46.68 Quartz vein in tuffs volcaniclastics	1897	46.18	46.68	.5 =	0.010	0.010	TRACE	0.02		
		10% diss. sulphides po py, 1% arsenopyrite.										
		46.57-46.87 Cherty tuff, 50% sulphides po py 10%	1898	46.57	46.87	.30	0.025	NIL	0.01	0.13		
		arsenopyrite.										
		49.53-50.03 Quartz veins with sulphides stringers	1899	49.53	50.03	.50	0.020	0.009	0.005	0.04		
		po py in contorted lava 50° to core axis.										
		50.17-50.37 As above from 49.53-50.03.	1900	50.17	50.37	.20	0.013	0.013	TRACE	TRACE		
		51.14-51.54 Cherty tuffs, 30% diss. sulphides popy	1501	51.14	51.54	.40	0.014	0.024	TRACE	0.06		
		58.56 Quartz vein with sulphides stringers po py	1502	58.56	58.96	.40	0.029	0.140	TRACE	0.04		

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-12

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
46.03	58.96	20% diss. sulphides in wall zone and <1% arsenopyrite.										
58.97	91.80	MAFIC LAVA										
		As above from 21.97-46.02 but more massive										
		schist 80-90° to core axis.										
91.80		END OF HOLE.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE L0, 17 m S

ELEVATION _____

BEARING Grid 0°

DIP AT COLLAR -55°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
91.5 m	-43°		

HOLE NO. 7515-78-13 Grid 16N

PROJECT Barry

CLAIM NO. 367901-5, L'Espinay Twp.

CORE SIZE AQ

STARTED March 9, 1978

FINISHED March 10, 1978

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD TOTAL DEPTH OF HOLE 91.8 m

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	4.88	CASING: Sand and gravel.										
4.88	79.50	Light green thinly bedded, occasionally laminated felsic tuff, (Qtz-fel-sericite, minor amphibole schist) some lapilli tuff and minor tuff BX. Minor cherty to pelitic interbeds. Individual units rarely reach 1-2 m in thickness. Minor qtz veins (1-2 cm). 4% dissem. f.g. Py. Bedding @54°										
		13.80-14.00 Closely spaced fragments(?) in tuff BX.										
		16.20-16.50 Section containing 1 mm carbonate Porphyroblasts in matrix.										
		19.00-19.05 Quartz vein.										
		19.70-19.80 Quartz veining zone.										
		20.10-23.44 Quartz-fel-sericite schist becomes progressively richer in sericite and proportionately	1640	23.44	23.75	0.31	NIL	NIL	NIL	TRACE		

LOGGED BY R. COTE

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-13, Grid 16N

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
4.88		softer.										
		23.95-24.10 Brecciated quartz vein.										
		23.75-33.00 Sericitized felsic to interm(?)										
		volcaniclastics with 1% dissem. f.g. Py + Po,										
		trace CP. Bedding @51°.										
		31.20-31.70 Quartz vein.										
		35.40-35.50 Section containing 5% f.g. Py minor										
		Po in 1-4 mm Lensoid concentrations. Bedding @57°.										
		35.50-42.00 10% quartz veining: 1-3 cm in width.										
		41.95-44.45 Sheared tuff BX with stretched out										
		fragments 0.5 to 1 cm in width and 1-3 cm in length.										
		48.34-48.95 Zone containing 80% white quartz veins										
		some of which display dark orange hemitite(?)										
		alteration.										
		64.00-65.10 1-3% massive f.g. Po, minor Py in widely	1647	64.00	65.10	1.1	0.001	NIL	NIL	TRACE		
		spaced hairline seams and thin patchy occurrences										
		//schistosity.										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-13

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
CONDUCTOR		67.10-67.90 5-6% massive f.g Po, minor Py in	1648	67.10	67.90	0.8	0.001	NIL	NIL	TRACE		
		1-10 mm seams parallel to main schistosity.										
		69.00-69.10 Zone of tectonic brecciation and										
		chlorite alteration.										
		69.80-70.10 2-3% massive f.g. Po, minor Py in										
		widely spaced 1-2 mm seams.										
		70.30-70.40 Zone containing 4-5% massive f.g.										
		Po, minor Py in patchy concentrations and										
		irregular seams.										
79.50	79.70	Massive m.g. diorite dike.										
79.70	91.81	FELSIC TUFFS										
		86.30-86.50 Lost core.										
		86.50-86.70 Grey-blue quartz vein.										
91.81		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE L20E, 3 +50N

ELEVATION _____

BEARING Grid 0°

DIP AT COLLAR -45°

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
92.11	-41°		

TOTAL DEPTH OF HOLE 92.11

HOLE NO. 7515-78-14, Grid 74S

PROJECT Barry

CLAIM NO. 356421-2, Buteux Twp.

CORE SIZE AQ

STARTED March 13, 1978

FINISHED March 15, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	4.27	CASING: Sand and gravel.										
4.27	4.87	Mafic fel. porphyritic dike with 10% 2-10 mm plagioclase phenocrysts and occasional 1-3 mm quartz eyes.										
4.87	5.80	M.g. moderately deformed gabbro with <1% idiomorphic 1-3 mm Py crystals. Silicified lower contact.										
5.80	6.00	Mafic fel. porphyritic dike similar to previous dike.										
6.00	55.65	Fine to coarse grained generally massive and homogeneous metagabbro with 4% 1-2 mm Py crystals and minor qtz-carb. veins. Moderate amounts of retrograde biotite, schistosity.										
		14.20-15.00 Mafic very fel. porphyritic dike in gabbro.										

M.g. = medium grained

LOGGED BY R. COTE

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-14

PROJECT Barry

METRIC		DESCRIPTION	SAMPLE NO.	METRIC			ASSAYS					
FROM	TO			FROM	TO	METERS	%Cu	% Zn	oz Au	oz Ag		
6.00	55.65	17.00-17.20 Thin 'andesitic' dike with qtz veining										
		and silicification alteration.										
		29.80-30.10 f.g. mafic dike in c.g. gabbro.										
		33.70-33.85 Mostly white carbonate, minor qtz vein.										
		35.00-35.10 Mostly white carbonate, minor qtz vein.										
		35.85-36.70 Mostly white carbonate, minor qtz vein.										
		46.00-46.70 Mostly white carbonate, minor qtz vein.										
		47.10-47.30 Pink feldspathic alteration										
		(hematitization?) associated with hairline qtz-										
		carb. seams.										
		47.30-48.00 Moderately fel. porphyritic mafic dike										
		containing 1-2% dissem. Py + Po.										
		49.30-49.45 Very ~~fel~~ porphyritic mafic dike in gabbro.										
		54.90-55.20 Feldspar porphyritic felsic dike.										
55.65	56.55	Fel. porphyritic felsic dike, with 20 cm										
		xenolith of gabbro.										
56.55	58.10	Moderately to strongly silicified dioritic rock	1649	56.55	58.10	1.5	0.053	0.022	TRACE	TRACE		

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-14

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
56.55	58.10	containing 3-4% f.g. massive Po, minor Py along										
		hairline seams. Stringer sulphide concentration										
		is 5-7% over the last 15 cm.										
58.10	59.45	Gabbro.										
59.45	60.85	MAIN CONDUCTOR:										
		Silicified and sericitized diorite containing	1650	59.45	60.85	1.4	0.10	0.16	TRACE	0.02		
		5% to 35% f.g. massive Po, minor Py and <1% CP.										
		Sulphides do not occur in discrete seams but are										
		uniformly distributed in ground mass varying from										
		dissem. to semi-massive.										
60.85	61.65	Slightly qtz porphyritic aplite dike cross cuts										
		by a 30 cm white qtz vein containing a 2 cm patch of										
		massive f.g. Po.										
61.65	64.70	Thick white qtz vein containing 8 or 9 bands	1651	62.40	62.65	0.25	0.61	NIL	TRACE	0.04		
		(concentrations) of massive f.g. to m.g. Po	1652	62.90	63.00	0.10	0.087	NIL	NIL	0.01		
		(99%) + CP (1%) over 1 - 3 cm. A large fragment (?)	1653	63.90	64.20	0.30	0.14	NIL	NIL	0.01		
		of diorite is found in the qtz vein at lower contact.										
64.70	69.70	Strongly deformed and carbonatized diorite										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-14

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
64.70	69.70	tectonically brecciated and rich in qtz-carb. veins.										
69.70	71.55	Dark grey biotite rich rhyolite(?).										
71.55	72.54	Sericitized and chloritized diorite.										
72.59	79.60	Dark grey aphanitic essentially massive rhyolite.	1654	74.90	75.35	0.45	0.11	0.17	TRACE	0.02		
		Local tectonic brecciation qtz lamination features.	1655	75.21	76.21	1.0	0.11	0.17	TRACE	0.03		
		F.g. Po, minor Py dissem. throughout rhyrolite										
		with local concentrations of semi-massive Fe										
		sulphides of 20% to 25% over 0.45 m and 15-20% over 1 m.										
79.60	92.11	Mafic volcanics passing from brecciated to pillowed(?)										
		to massive facies.										
92.11		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE L 1E, 118 m N

ELEVATION _____

BEARING Grid 180°

DIP AT COLLAR -55°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
91.80 m	-44°		

HOLE NO. 7515-78-15, Grid 75S

PROJECT Barry

CLAIM NO. 358178-4

CORE SIZE AQ

STARTED March 16, 1978

FINISHED March 17, 1978

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD TOTAL DEPTH OF HOLE 91.81 m

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	9.76	CASING: Sand and gravel.										
9.76	70.85	Light to med. grey poorly banded microgneiss (Paragneiss possibly) composed mainly of fel, qtz and biotite. Carbonate content varys from weak to moderate with concentrations usually occurring within specific beds. The less frequent silica rich beds are thought to represent more arkosic sediments. Local tectonic-metamorphic brecciation gives rock "agglomeritic" aspect. Minor qtz-carb veins. Foliation @45°.										
		25.20-26.45 Massive diorite dike in microgneiss.										
		62.83-70.85 Carbonate rich section in gneiss.										
		70.10-70.40 Mylonitized section in rock.										
70.85	74.72	CONDUCTOR: Sequence of finely bedded and										

LOGGED BY R. COTE

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-15

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
70.85	74.72	laminated graphitic and interbedded cherty sediments.	1656	70.35	72.90	2.05	0.045	0.057	TRACE	0.03		
		Bedding @46°. Graphitic bearing sediments may contain	1657	72.90	75.10	2.20	0.038	0.033	TRACE	0.02		
		hairline seams.of f.g. Py + Po and trace CP assoc-										
		iated with Po. Total sulphide content is 2-3%										
		with some seams 3-4 mm in width.										
74.72	91.81	Light green f.g. diorite with several 25-30 cm										
		cross-cutting dikes of granodiorite.										
		83.14-83.20 Thin qtz-carb shear zone containing										
		10% f.g. Po, Py + Trace CP.										
91.81		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE L2E, 157m S

ELEVATION _____

BEARING 0° Grid

DIP AT COLLAR -45°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
105.8m	41°		

HOLE NO. 7515-78-16, Grid 73S-1

PROJECT Barry

CLAIM NO. 358173-4, Buteux Twp.

CORE SIZE AQ

STARTED March 17, 1978

FINISHED March 19, 1978

CONTRACTOR Chibougamau Diamond Drilling Ltd. TOTAL DEPTH OF HOLE 110.4 m

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0	4.27	Casing: Sand and gravel.										
4.27	7.90	Metamorphosed Biotite rich light grey massive rhyolite. Minor qtz-carb veins and trace sulphides.										
7.90	9.80	Foliated m.g. granodiorite dyke. Contact @90°. 8.74 to 8.90: White qtz-carb vein. 9.60 to 9.80: Lost core.										
9.80	12.80	Massive light grey rhyolite. Biotite is mafic constituent.										
12.80	17.53	Medium to coarse grained massive homogeneous metagabbro displaying chill margins along both contacts. Retrograde metamorphism has largely altered mafic constituents to biotite.										

LOGGED BY R.COTE

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-16, Grid 73S-1

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
17.53	37.21	Locally magnetite bearing grey aphanitic rhyolite.										
		Rhyolite is moderately chloritized (now biotite)										
		17.90 to 18.00: White qtz-carb. vein with trace Py.										
		18.50 to 18.75: White qtz-carb. vein.										
		19.52 to 27.12: Very heterogeneous (chloritized)										
		Rhyolite with zones of pronounced Chl-Bi alteration.										
		1% Fe sulphides in ground mass and in Qtz-carb veins,										
		trace Cp in latter. Local foliation mineral assemblage										
		might suggest the rock to be a variety of microgneiss										
		but blue qtz eyes are more likely indicative of										
		a volcanic origin. Foliation @ 45°.										
37.21	38.58	Lost core; core ground on either side of this section										
		for approximately 0.3 m.										
41.30	52.65	Felsic to interim volcanics characterized by										
		variable intensites of chlorite-sericite alteration.										
		Occasional 1-3 mm blue qtz eyes, sharp contact with										
		material below.										
52.65	54.90	Highly contorted graphitic schists containing 15-20%	1658	52.65	54.90	2.35	0.065	0.175	0.01	0.05		

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-16, Grid 75S-1

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
52.65	54.90	f.g. Po (80%) & Py (20%), Trace cp. Locally Fe										
		sulphide are semi-massive to massive (60% to 80%)										
		over 1-2 cm.										
54.90	57.90	Strongly kaolinitized interim (?) tuffs containing	1659	54.90	57.04	2.14	0.080	0.22	TRACE	0.03		
		5-10% massive f.g. Po (80%) & Py (20%) in stringers.	1660	57.04	57.90	0.86	0.072	0.006	NIL	0.02		
		and thin bands up to 15 mm in width.										
57.90	106.00	Massive & Pillowed (?) : Mafic (basaltic) volcanics.										
		The 2 mm section immediately in contact with the										
		kaolinite rich tuffs appears to have been considerably										
		altered i.e. Silicified. Rock grades into										
		normal dark green color and mafic ground mass contains										
		abundant microlitic plagioclase. Minor qtz-carb veins										
		occasionally contain 3-4% f.g. Po + Py; <1% Cp, invariably										
		Associated with Po, occurrs in primary fractures, and										
		what may be pillow selvage and inter-pillow fill										
		material.										
		63.04: 1 cm wide qtz rich patch containing 3-4% Cp										
		and 2-3% Po.										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-16

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
57.90	106.00	87.70-87.74: Section of massive m.g. Cp (60-80%) with associated qtz-carb material in the mafic volcanics.	1661	87.70	87.74	0.04	14.15	0.068	0.12	4.15		
		NOTE: The change of the schistosity attitude from 45° to 10° - 15° to 65° @97.91 to 101.81 m along with a zone of qtz-carb-sericite-tourmaline @99.60 to 99.90 may suggest a major fold structure.										
		105.87: 2 cm wide patchy zone of white qtz containing a 1 cm bleb of massive f.g. Po and ≈1% Cp along the periphery of the Po, minor Py.										
106.00	166.10	White qtz vein at contact between mafic volcanics and felsic dyke.										
106.10	106.85	Slightly Fel porphyritic rhyolite dyke contain numerous partly digested (silicified) xenoliths of mafic volcanics. Felsic groundmass contains occasional specks of Cp and about 1% Cp in hairline Qtz-carb filled fractures.										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-16

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
106.85	110.4	Massive m.g. mafic volcanic/intrusion (gabbro).										
110.41		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE L2E, 10 m N

ELEVATION _____

BEARING 0° Grid

DIP AT COLLAR -45°

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD.

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
90.50	-51°		

TOTAL DEPTH OF HOLE 90.58 m

HOLE NO. 7515-78-17, Grid 73S-2

PROJECT Barry

CLAIM NO. 358173-4, Buteux Twp.

CORE SIZE AQ

STARTED March 20, 1978

FINISHED March 22, 1978

METRIC		DESCRIPTION	SAMPLE NO.	METRIC			ASSAYS					
FROM	TO			FROM	TO	METERS	% Cu	% Zn	oz Au	oz Ag		
0.00	3.36	CASING: Sand and gravel.										
3.36	64.61	Massive m.g. mafic volcanic/gabbro with minor qtz-										
		carb veins and 1% dissem Py + Po and trace CP										
		as isolated mm specks in groundmass.										
		4.20-4.35 White qtz-carb vein.										
		12.05-22.70 Aphanitic to m.g. slightly fel.										
		porphyritic mafic dike with 5% qtz-carb veins.										
		Tr. cp in isolated specks.										
		17.50-21.24 Massive qtz-fel porphyry										
		of granodioritic composition (Q.F.P.)										
		19.45-20.95 Moderately sheared biotite										
		rich slightly fel porphyritic rhyolite dike in										
		Q.F.P.										
		39.80-40.10 White qtz vein.										

LOGGED BY R. COTE

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-17

PROJECT Barry

METRIC		DESCRIPTION	SAMPLE NO.	METRIC			ASSAYS					
FROM	TO			FROM	TO	METERS	%Cu	% Zn	oz Au	oz Ag		
3.36	64.61	40.30-48.40 Massive homogeneous f.g. facies in mafic										
		volcanics containing Tr Fe sulphides.										
		48.40-64.00 Massive f.g. mafic volcanics containing										
		<1% Po + Py + CP in mm patches, blebs and										
		fracture fill material associated with qtz-carb.										
		chlorite rich zones.										
64.61	64.65	Mafic tuffs interbedded with cherty volcaniclastics/										
		sediments.										
		64.45-64.65 Stringers and dissem. f.g. Py + Po										
		in matrix. Bedding @70° (?)										
64.65	65.85	Silicified and sericitized interm. Volcanics										
		containing 2-3% massive f.g. Po + Py but										
		becoming progressively more enriched in sulphides										
		downhole.										
		65.57-65.85 CONDUCTOR: 10% f.g. dissem. Po,	1662	64.65	65.85	1.2	0.063	0.008	TRACE	0.02		
		minor Py grades into stringers, blebs and patches										
		of massive f.g. Po + Py which occupy 15% to 25%										
		of rock type.										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-17

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
65.85	67.30	CONDUCTOR: Black graphitic cherty sediments/tuffs containing 15% massive f.g. Py (60%) + Po (40%) and 1% CP. Minor qtz-carb. veining. Massive blebs, stringers and patches of Fe sulphide appear to brecciate sediments.	1663	65.85	67.30	1.45	0.160	0.410	TRACE	0.03		
67.30	73.50	Blue qtz-fel porphyry dike(?) with a 0.2 mm chill margin. Trace sulphides. Schistosity @45°, upper contact @50°. 68.40-68.50 Mafic dike.										
73.50	90.58	Dark green massive and pillowed mafic volcanics Trace CP 1% f.g. Py + Po dissem. in groundmass + as inter-pillow-fill material.										
90.58		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE L2E, 300 m N

ELEVATION _____

BEARING Grid 0°

DIP AT COLLAR -45°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
81.40 m	37.5°		

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD TOTAL DEPTH OF HOLE 81.44 m

HOLE NO. 7515-78-18, Grid 101 S

PROJECT Barry

CLAIM NO. 367720-2, Buteux Twp.

CORE SIZE AQ

STARTED March 29,1978

FINISHED March 30, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	9.15	CASING: Water, clay, sand and gravel.										
9.15	57.95	Chlorite-tremolite-talc±magnetite schist:										
		Predominantly thin (1-3 m) ultramafic flows with										
		some interbedded tuff/volcaniclastic units.										
		Schistosity @35°-40°. 1-2% dissem. f.g. Po and										
		1-3% dissem. f.g. magnetite. Rock weakly to										
		strongly magnetic.										
		21.96-25.00 m.g. tremolite rich section, minor										
		qtz vein. Schistosity @45°.										
		25.77-26.07 Ground core.										
		28.97-29.43 Lost core.										
		29.43-38.88 Sequence of thinly bedded and occasionally										
		laminated ultramafic tuffs (Magnetite bearing).										
		Bedding @55°. Frequent micro fold structures.										
		Dissem. f.g. Po may reach 2-3%.										

LOGGED BY R. COTE

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-18, Grid 101

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag	%Ni	
9.15	57.95	38.80-41.30 Flow locally rich in well crystallized										
		tremolite.										
		41.30-41.40 White carb-qtz vein.										
		41.40-57.95 f.g. magnetite bearing ultra-mafic										
		flow with 1% dissem Po, minor Py.										
CONDUCTOR		Ultramafic to mafic tuffs and/or volcaniclastics	1664	57.95	60.09	2.14	0.027	NIL	NIL	0.01	0.14	
57.95	66.80	Lapilli tuffs containing an average of about 20%										
		massive f.g. Po, minor Py. Fe sulphide content	1665	60.09	62.00	1.91	0.011	0.002	NIL	0.02		
		may vary from 10% to 60% over 1 m sections with										
		local concentrations of semi-massive to massive	1666	62.00	64.00	2.00	0.020	NIL	NIL	0.01		
		(60% to 90%) Po over 7 to 8 cm. Basic rounded	1667	64.00	65.40	1.40	0.007	0.003	NIL	TRACE		
		fragments usually 10-15 mm in Diam. Contrary to										
		flows this section is quite rich in dark brown										
		hornblende and minor garnet.										
66.80	81.44	Ultramafic-mafic magnetite bearing tuffs and lapilli										
		tuffs with 1-2% dissem. f.g. Po. At 73.80										
		lamination changes attitude from 45° to nearly 0°										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-18

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
66.80	81.44	and back to 50° @ 81.00 m.										
		79.14 1 mm discontinuous fracture containing f.g.										
		CP (1%)										
81.44		END OF HOLE										

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

LATITUDE _____

DEPARTURE Lo, 6 mS

ELEVATION _____

BEARING Grid 0°

DIP AT COLLAR -45°

Tests Depth	Dip	Magnetic Bearing	Corrected Bearing
95.47 m	42°		

CONTRACTOR CHIBOUGAMAU DIAMOND DRILLING LTD TOTAL DEPTH OF HOLE 95.47 m

HOLE NO. 7515-78-19, Grid 23N-2

PROJECT Barry

CLAIM NO. 367908-2, Buteux Twp.

CORE SIZE AQ

STARTED April 1, 1978

FINISHED April 3, 1978

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS % Cu	% Zn	oz Au	oz Ag		
0.00	3.97	CASING: Sand and gravel.										
3.97	78.10	Predomin ntly massive medium grained amphibolitized mafic volcanics 1% dissem f.g. Py + Po and the occasional isolated mm bleb or discontinuous seam of massive Fe sulphide. Seams generally associated with secondary qtz-carb. material. Amphobile appears to have largely retro graded to chlorite. 4.80-5.30 White qtz vein with mild silicification alteration in host rock along both contacts. 7.23-7.45 White qtz vein. Schistosity @60°. 13.26 to 13.42 Qtz-carb vein; well crystallized calcite in vuggy section. 16.62 Several specks of CP with mm blebs of Py.										
		72.65-74.36 Weakly conductive metamorphosed	1668	72.63	74.35	1.72	0.007	0.008	NIL	0.01		

LOGGED BY _____

SHELL CANADA RESOURCES LIMITED
DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-19

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METERS	ASSAYS %Cu	% Zn	oz Au	oz Ag		
3.97	78.10	Sheared mafic volcanics containing 5% to 15% (averaging										
		≈7%) f.g. dissem. Po, minor Py and Mag. Rock is										
		slightly garnetiferous.										
		73.65-73.80 Section displaying semi-										
		massive f.g. Po.										
		74.36-78.10 Carb-Qtz vein rich garnetiferous										
		amphibolitized mafic volcanics with 1-2% Py, minor Po.										
78.10	91.19	Sequence of weakly to moderately graphitic (recrystallized)										
		cherty beds interbedded with lesser mafic tuffs.										
		MAIN CONDUCTIVE ZONE: 78.10-87.53 More graphitic	1669	78.10	79.35	1.25	0.005	0.095	NIL	0.03		
		horizons vary from 2 cm to 8 cm in thickness and	1670	82.19	84.19	2.00	0.007	0.073	NIL	0.02		
		generally contain 5-10% massive f.g. Po, minor Py										
		in 1-5 mm seams, blebs and more rarely as Fe										
		sulphide nodules. Trace CP. Bedding appears to										
		be @45° to 50°. Moderate qtz-carb. veining with										
		associated minor brecciation.										
91.19	95.47	Finely foliated slightly garnetiferous qtz-fel										
		biotite gneiss (Paragneiss) with several thin interbeds										

SHELL CANADA RESOURCES LIMITED

DIAMOND DRILL CORE LOG

HOLE NO. 7515-78-19

PROJECT Barry

METRIC FROM	METRIC TO	DESCRIPTION	SAMPLE NO.	METRIC FROM	METRIC TO	METRIC METERS	ASSAYS %Cu	ASSAYS % Zn	ASSAYS oz Au	ASSAYS oz Ag		
91.19	95.47	of black cherty sediments.										
		93.30-93.70 Cherty bed with 3-8 mm bands of massive										
		f.g. Po + Py.										
95.47		END OF HOLE										