

79-#465-# 7537

DIAMOND DRILL HOLE REPORT

on

JEFF 39, 40, ANDREA, STU
CGL 2, KRIS 12, 14, 16
LIN 11, 39, 40, LIN No. 1 FR
and CGL No. 1 FR
MINERAL CLAIMS, GROUP CGL

Liard Mining Division
104 I / 1W
58° 12' N; 128° 21' W

for

Esso Minerals Canada
314- 1281 W. Georgia
Vancouver, B.C.

by
DANE A. BRIDGE

November 6 , 1979

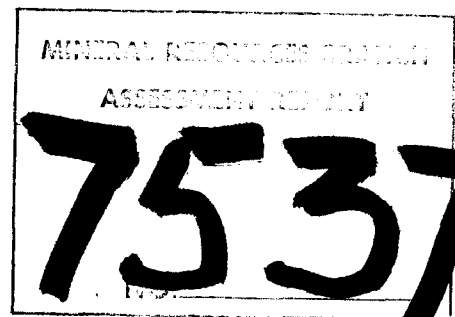


TABLE OF CONTENTS

	<u>Page No.</u>
INTRODUCTION	1
INDEX MAP NO. 1	2
INDEX MAP NO. 2	3
GEOLOGY	4
DIAMOND DRILLING	7
COST STATEMENT	8
STATEMENTS OF QUALIFICATION	9
LEGEND FOR DETAILED DRILL LOGS	10
APPENDIX: DETAILED DRILL LOGS	
DDH 93 14 pages	
DDH 93 B1 8 pages	
DDH 93 B2 8 pages	
DDH 93 B3 10 pages	
MAPS:	
DRILL HOLE LOCATION MAP	IN POCKET

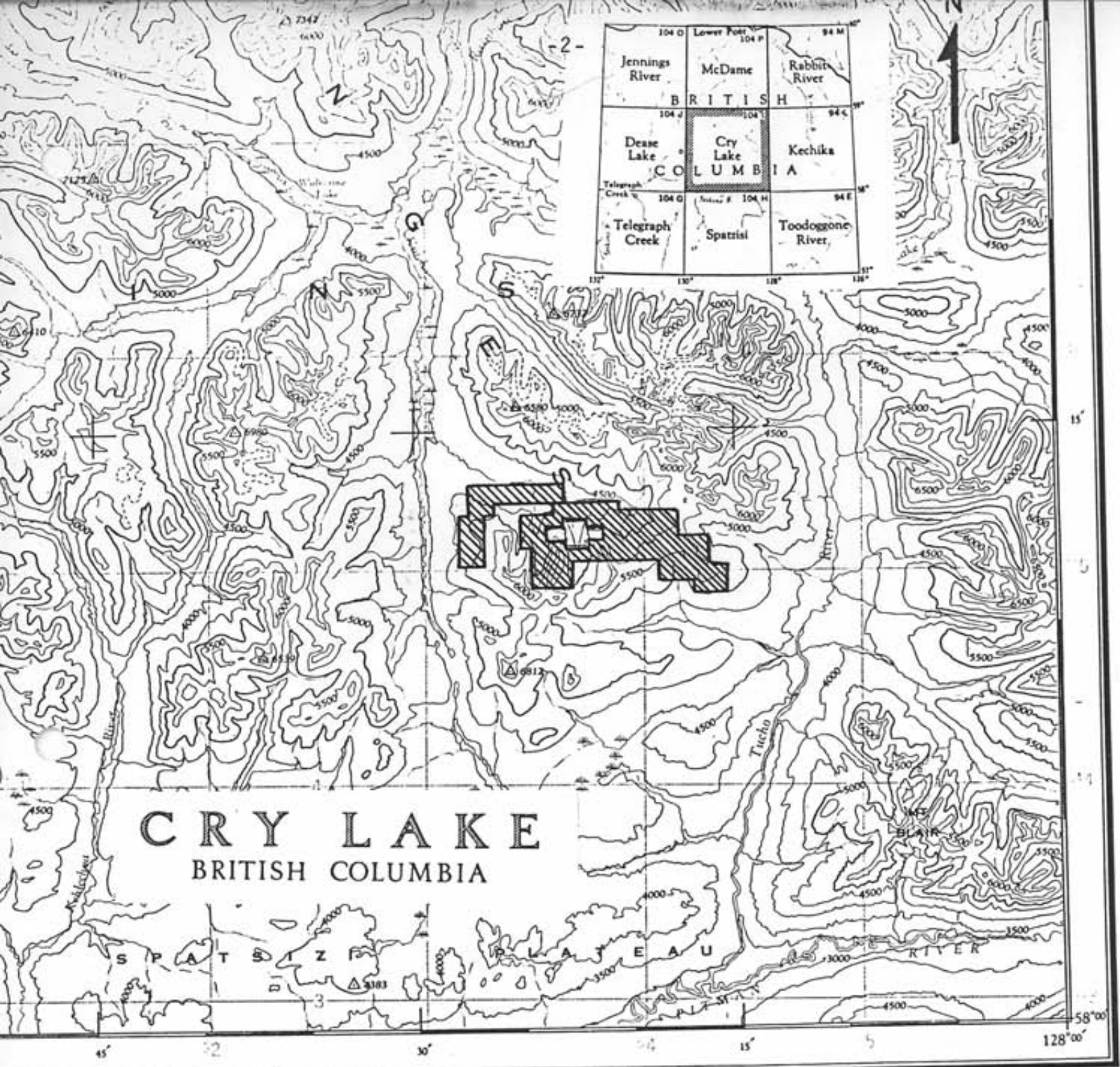
INTRODUCTION

The Kutcho Creek property is located in mountainous terrain in the Cassiar Mountains. The exploration camp is located at an elevation of 1530 m on the south side of a tributary of Kutcho Creek. Exploration is done at or above tree line from elevations of 1500 to 1650 m.

The property is centered about 21 km south-south-east of Rainbow Lake and 9 km east-south-east of the Kutcho Creek airstrip. Access from the airstrip to camp is by helicopter. The location of Esso Mineral's claims is shown on Index Map No. 1.

The property is owned and operated by Esso Minerals Canada, a division of Esso Resources Canada Limited.

This report describes 1016.8 m of BQ diamond drilling on the Jeff 94 mineral claim. DDH 93 and 3 branches were drilled.

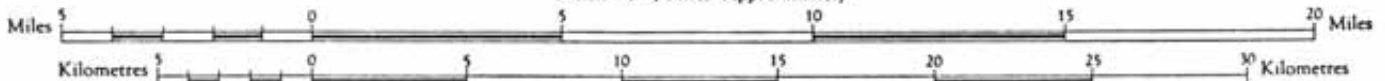


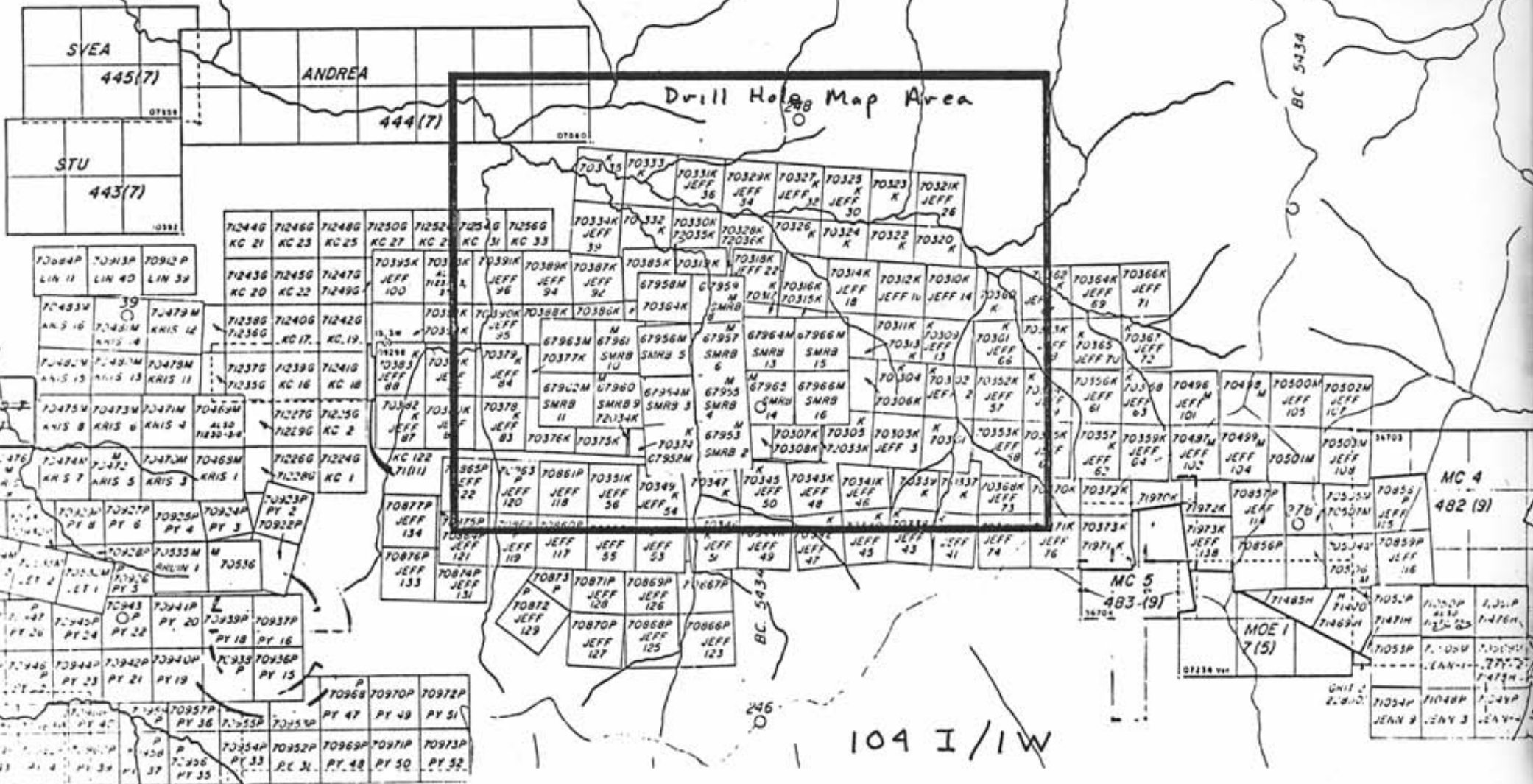
Index Map No. 1: Location of Esso Minerals Canada's Kutcho Creek Mineral Claims in 104 I.

Scale 1 : 250,000

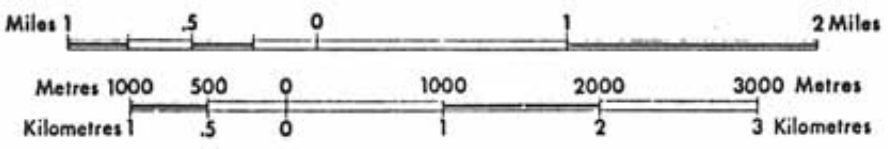
1 Inch to 4 Miles Approximately

- 2 -





104 I/IW



Index Map No. 2:
Location of Diamond Drill
Hole Map

GEOLOGY

Mineralization at Kutcho Creek consists of stratiform, volcanogenic massive pyrite with base metal sulphides. The sulphides occur near the transition from volcanic to mixed volcanic and sedimentary rocks within the Triassic or older Kutcho assemblage.

The following is a description of the lithologic units encountered in drilling on the Kutcho property. They are arranged from youngest to oldest which is the sequence in which they are encountered in drilling. The quoted thicknesses are the maximum apparent true thicknesses encountered in drilling prior to 1979 or an estimate:

Limestone, 125 m

Massive recrystallized limestone.

Conglomerate, 150-160 m

Strongly foliated polymictic conglomerate composed of predominately silicic clasts derived from the volcanic pile. The base of the conglomerate unit has been intersected in 6 holes. It is always underlain by rocks of the basic unit.

Tuff Argillite Unit, 350 m in area north of Esso's camp to 440 to 470 m thick 3 km west

This unit represents a conformable transition from the underlying silicic volcanic rocks to very fine-grained, silicic, graded water-lain tuffs, argillite, siltstone and epiclastic rocks. It consists mainly of tuffs and slightly argillaceous tuffs metamorphosed to quartz-chlorite-sericite-biotite schists. Fine laminations, graded bedding and quartz phenocrysts are unaffected by the development of foliation.

A black, calcareous, graphitic argillite commonly occurs a few meters above the base of the unit. A mixed unit of argillite and argillaceous tuff commonly occurs approximately 100 to 150 m above the base of the tuff-argillite unit. The main lithology in the upper portion of the unit is a silicic siltstone with minor megascopically visible biotite. Minor disseminated pyrrhotite ± pyrite is ubiquitous in the tuff-argillite unit.

Basic Unit, Variable Thickness

Basaltic to andesitic flows and tuffs? occur from immediately below the ore horizon to the base of the conglomerate unit. They are most abundant within the stratigraphic interval of the tuff-argillite unit. Here they account for 33 to 82% of the section and generally make up >50% of the section directly overlying the ore horizon.

The basic unit rocks were previously called metagabbro. They include massive basalt, basic schists, amphibolitic flows, amphibolitic flows with plagioclase phenocryst, plagioclase porphyries and plagioclase porphyries with minor quartz phenocrysts. Variations from massive, amphibolitic units to plagioclase porphyries are the most common rocks in the basic unit.

The basic rocks are commonly weakly foliated and contain chlorite, epidote-clinozoisite and biotite. Locally they are intensely altered to carbonate-sericite.

Quartz Feldspar Crystal Tuff (QFCT), 200 m

The QFCT and Rhyolite Tuff units overlie the ore horizon. The ore zones occur slightly up-dip (south) of a facies change between the QFCT and Rhyolite Tuff units. The QFCT unit is graded and tuffaceous at the top but could be a flow.

Two main phases occur in the QFCT. The most abundant phase is a very homogeneous quartz-feldspar-sericite-chlorite-carbonate schist with abundant quartz phenocrysts, commonly up to 1 cm, and fewer plagioclase phenocrysts. The rock has a distinctive porphyritic or crystal tuff texture and is variably sericitic or chloritic. Immediately above ore it is intensely sericitized.

A coarse breccia phase occurs in the middle to upper parts of the unit but is not always present. It contains small to 1 m fragments texturally identical to the matrix and minor fine-grained chloritic fragments. The breccia phase is commonly heavily altered to epidote-clinozoisite.

Rhyolite Tuff, 135 m

This unit is facies equivalent with the QFCT unit. It develops along the down-dip (north) edge of the massive sulphide zones and commonly occupies most of the interval between the ore horizon and the Tuff-Argillite unit north of the sulphide zones.

The Rhyolite Tuff unit consists of quartz and sericite + chlorite and carbonate schists. It has a relict fragmental texture and minor, large quartz phenocrysts, commonly altered to carbonate. Colors vary from white to green and it commonly has a pink to purple tone due to hematite.

Sericite Schist, 300 m

A rhyolitic lapilli tuff metamorphosed to quartz + sericite + chlorite + carbonate schist. The unit consists of lustrous, white to medium green schists with a relict fragmental texture and rare, fine quartz phenocrysts.

A quartz-chlorite schist and a rhyolite breccia horizon have been observed near the middle of the sericite schist unit.

Dolomite lenses are common within the upper 30 m of the sericite schist and at the top of the massive sulphide horizon.

Massive Sulphide Horizon, 29 m

A main massive sulphide lens and thin, discontinuous, hanging wall lenses occur near or at the top of the sericite schist unit. Mineralization consists of massive and disseminated sphalerite, chalcopyrite, bornite and chalcocite.

Distal to the sulphide zones the ore horizon consists of minor, disseminated, sphalerite and chalcopyrite with pyrite in schist or carbonate.

Disseminated pyrite with a very minor base metal content occurs in the sericite schists below the massive sulphide body.

DIAMOND DRILLING

A main hole and 3 wedged branch holes were drilled. The main hole intersected the thick down-dip edge of the sulphide horizon. The disseminated sulphide zone contained 0.32% Cu and 0.19% Zn over 31.3 m. Branch holes 1 and 2 intersected similar disseminated sulphides with grades of 0.82% Cu and 0.39% Zn over 7.6 m and 0.70% Cu and 0.57% Zn over 12.4 m. The last branch 93 B3 intersected 0.03 m of barren massive sulphide.

Detailed drill logs are in the Appendix.

The core is stored on the property

Clare A. Bailey

COST STATEMENT FOR DDH 93, 93 B1, 93 B2, 93 B3

Dates Drilled: August 28 to September 21, 1979

Direct Drilling Costs:

500 ft. at \$ 12.70/ft.	\$ 6,350.00
1066 ft. at 13.20/ft.	14,071.20
1704 ft. at 13.70/ft.	23,344.80
66 ft. at 14.20/ft.	937.20
Labour: 257 hr. at \$17.50/hr.	4,497.50
Parts: Mini-Deve Reaming Shell System, casing and casing shoe	3,200.00
Core Boxes: 67 at \$5.00	335.00
Assays: 15 at \$28.00	420.00
Fuel: 495 gal. at \$2.50/gal.	1,237.50
Helicopter: 30 hrs. at \$270/hr	8,100.00
Helicopter Fuel: 675 gal. at \$3.00/gal.	2,025.00
Geologist: 25 days at \$85/day	2,125.00
Assistant: 12.5 days at \$35/day	437.50
First Aid Attendent: 12.5 days at \$65/day	812.50
Camp Costs: 175 man-days at \$25/day	4,375.00
	<hr/>
TOTAL	\$ 72,268.20
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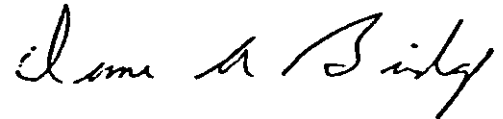
James A. Bishop

STATEMENT OF QUALIFICATIONS

I, Dane A. Bridge of West Vanocuver,
British Columbia, hereby certify the following
qualifications:

I obtained a B.Sc. Honours in 1969 and
a M.Sc. in 1972, both in geology from the University
of Manitoba, Winnipeg, Manitoba.

I have been practising my profession as a
geologist in Canada for 10 years.



Dane A. Bridge, Geologist
Esso Minerals Canada

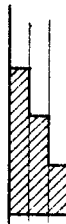
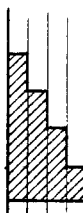
LEGEND FOR DETAILED DRILL LOGS - (D. Bridge)

The detailed drill logs are at a scale of 1 inch to 10 feet. All main units have been converted to metres.

The following is a list of abbreviations used in the drill logs:

aph	aphanitic	1s	limestone
arg	argillite	med	medium
b	bedding	mgb	metagabbro
brn	bornite	pheno	phenocryst
bx	breccia	plag.	plagioclase
c > s	schist with chlorite > sericite	po	pyrrhotite
c > > s	schist with chlorite >> sericite	py	pyrite
cal	calcite, calcareous	QFCT	Quartz Feldspar Crystal Tuff
carb	carbonate	qz v	quartz vein
cgl	conglomerate	rhy	rhyolite
clino	clinozoisite	s > c	schist with sericite > chlorite
chl	chlorite	s >> c	schist with sericite >> chlorite
cp	chalcopyrite	s ^ c	schist with sericite ^ chlorite
dac	dacite	ser	sericite
dk	dark	sph	sphalerite
dolo	dolomite	trh	tetrahedrite
ep	epidote	v.f.g.	very fine-grained
fd	folded	w	with
feld	feldspar	xline	crystalline
f.g.	fine-grained		
f	foliation		
fr	fracture		
frag	fragment		

DRILL LOG

PROJECT Kutchu Creek	GROUND ELEV. ≈ 1478 m
HOLE NO. 93	BEARING 0
LOCATION ≈ 100 m due S of DDH 80 ≈ 23,238.4 N ; 35,636.9 E	DIP -90°
	TOTAL LENGTH 1566.0' 477.3 m
LOGGED BY Dane Bridge	HORIZONTAL PROJECT 82.65 m
DATE Sept 2 - 8, 1979	VERTICAL PROJECT 463.89 m
CONTRACTOR Arctic Diamond Drilling	ALTERATION SCALE  <ul style="list-style-type: none"> absent slight moderate intense
CORE SIZE B9	
DATE STARTED August 31, 1979	TOTAL SULPHIDE SCALE  <ul style="list-style-type: none"> traces only < 1% 1% - 3% 3% - 10% > 10%
DATE COMPLETED Sept. 7, 1979	
DIP TESTS	
0 -90.0 -000	
147.5' 89.3 118	
205.5 88.5 111	
227.5 88.5 126	
COMMENTS	LEGEND
347.5 88.1 171	
467.5 86.5 180	
587.5 84.5 189	
707.5 81.8 189	
827.5 79.8 193	
947.5 77.8 193	
1067.5 74.9 196.5	
1187.5 73.7 195.5	
1307.5 70.5 199	
1427.5 64.5 199	
1547.5 61.0 203	

PAGE 1 OF 19		PROJECT:				HOLE NO. 93						
DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY		
					A	B	C	D	E			
				metres								
				0.0 - 5.5	0.0 - 18.0 :							overburden
				5.5 - 222.2	18.0 - 729.0 :							basic units
				5.5 - 80.2	180 - 263.0 :							amphibolite
					avg 35% 1-5 mm green, slightly chloritized hornblende phenos, in groundmass of fine-grained epidote and plagioclase, epidote content ≈ 30%, locally 1-5% tabular plag phenos, avg < 1% plag phenos, massive and fairly uniform, overall green color							
					2920 - 293.2 : soft altered amphibolite around thin qz vein							
				80.2 - 82.9	2630 - 2720 :							fine-grained black amphibolite, weakly foliated at 90°, avg 15% 1-2 mm irregular white plag grains and local augenid, 2-5 mm thick plag phenos in amphibolitic groundmass, contacts are transitional.
				82.9 - 95.5	2720 - 313.2 :							amphibolite, avg 20% 1-5 mm slightly chloritized hb phenos in green-gray epidote-plag groundmass, avg 15-20% epidote
				95.5 - 98.8	313.2 - 324.3 :							amphibolite, dark green to black w. avg 3-5% large, 5-15 mm, rounded, partly epidote altered plag phenos.
				98.8 - 198.7	324.3 - 652.0 :							amphibolite, avg 25% hb in epidote-plag groundmass w. 25-30% epidote, minor foliations at 490' - 30°, 508.5' - 25 to 35°, 551.0' - 35 to 40° epidote content decreases gradually to 5-10% towards base of section

A. Bridge

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
				198.7-209.9 6520-688.5: amphibolite, medium-grained, med green, avg 10-15% small, slightly elongated, moderately elongated hb phenos, in groundmass w. 10% v. fine disseminated epidote, locally some plag phenos, mainly weakly foliated.						
	10% 5%			209.9-212.1 688.5-695.8: basic and possibly intermediate to acidic tuff, mainly f-g, dk gray tuff? w. abundant 1mm hb and plag grains, transgressive w. med gray aphanitic to f-g tuff and back to basic tuff.						
	10% 8%			212.1-222.2 695.8-729.0: amphibolite, medium gray-green, avg 10% small, elongate hb phenos in f-g, weakly foliated groundmass w. 10% 1-2mm white plag grains, minor to 3% epidote.						
730	5%			729.0-758.6: tuffs of the Tuff - Aug, 11, 2001						
	40% 30%			222.2-224.9 729.0-738.0: aphanitic, med greenish gray to dark gray-black tuff, siliceous, avg 2-3% 1mm qz? or						
740	45%			Field phenos, well bedded						
	40%			224.9-231.2 738.0-758.6: light gray to med green-gray, mainly aphanitic, siliceous, massive tuff, locally well bedded w. fine-grained biotite-bearing laminations, foliation and bedding ill.						
	55%									
	30%									
760										

J. Buty

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
				261.5-267.9 858.0 - 878.9: finer-grained basic units, medium gray-green very fine grained, slightly schistose groundmass w. 10% 1-2 mm irregular white plag grains and 5-10% small hb phenos, 2 minor amphibolite bands.						
				267.9-271.4 878.9 - 890.4: Tuff-Angillite unit						
880				267.9-268.3 878.9 - 880.2: lt. green-white QFCT						
				268.3-271.4 880.2 - 890.4: aphanitic to f. g., off-white and locally hematitic, slightly chalky tuff						
890				271.4-308.8 890.4 - 1013.1: medium green QFCT w. 15% 1-10 mm qz phenos, 15% 1-3 mm greenish plag phenos, avg 15% epidote dissem to patchy in groundmass, avg 1% epidote altered frags						
				308.8-335.7 1013.1 - 1101.5: light green QFCT, 15-20% 1-15 mm qz phenos, avg 10% plag phenos, avg 2-3% 1-3 mm chlorite patches possibly pseudomorphic after hb, avg 20% epidote, fine dissem to 4mm grains						
				335.7-344.4 1101.5 - 1129.8: light reddish green, w. 25% 1-13 mm qz phenos, 0-10% 1-2 mm plag phenos, massive, uniform. sharp contact at a 40°						
				344.4-365.9 1129.8 - 1200.6: mod. green QFCT, 20% 1-12 mm qz phenos, avg 20-25% dissem granular epidote in f.g. matrix, ≈ 1% apparent fragments						
				365.9-380.7 1200.6 - 1249.0: light green and reddish brown, 15% 1-10 mm qz phenos, 20% 1-3 mm plag phenos.						

J. B. Smith

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
				1249.0 - 1272.6: very dk green, 25% 1-10 mm qz phenos, 10% 1-2 mm plag phenos, minor disseminated hematite						
				1272.6 - 1283.7: light gray, avg 20% qz, 20% plag, w. 5% chloritic fragments						
				1283.7 - 1310.7: transition from light gray to greenish white, very sericitic gFCT w. 20% 1-10 mm qz phenos, no visible plag, minor apple green sericite, minor 10-15% 1-10 mm off-white carbonate grains						
1310				1310.7 - 1324.1: hanging wall wh. to FF unit mottled, FF-white to pale green purplish schist and med green, mainly f.g. w. 20% 1-15 mm dolo. augens, wh. frings up to 5x2 cm, 5% carb. laminations						
1320				1324.1 - 1337.9: gFCT light greenish white, sericitic, 25% qz phenos, 10% beige-colored dolo. augens, very minor apple-green sericite						
1340				1337.9 - 1340.5: mainly massive white qz in carbonate alt'd zone unit						
				1340.5 - 1566.0: S >> C and sulphide horizon						
				1340.5 - 1493.2: light gray rhyolite lapilli w. excellent fragmental texture, altered to qz-sericite schist w. schist elongated fragmental texture						
1360										

J. Budz

PAGE 10 OF 14		PROJECT:							HOLE NO. 93		
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%			oz/ton		COMPOSITE ASSAYS	
					Cu	Zn	Pb	Ag	Au	ppm Co/Ni	%S
1337.9 - 1340.5 : avg 2% py, con Fined to volcanic tuffs.		1340									
1340.5 - 1348.6 : avg 15% py, < 1% cp dissem in schist.		1340.5 1348.6	8.1	621	.217	.10	.02	.12	.003	12/18	9.5
1348.6 - 1356.0 : avg 20% py, & 0.5% cp, trace sph		1348.6 1356.0	7.4	622	.258	.21	.01	.16	.004	10/19	8.15
1356.0 - 1360.0 : avg 20% py, 1% cp, medium-grained to patchy cp not intergrown w. py		1356.0 1360	10.0	623	.478	.11	.01	.21	.008	9/17	2.5
		1366.0									

D. Birdy

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
1380			AS - SD							
1400										
1420			SD							
1446			SD - AS							
1460										

J. Ardy

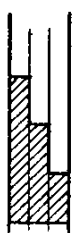
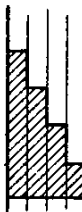
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%			oz/ton		COMPOSITE ASSAYS	
					Cu	Zn	Pb	Ag	Au	ppm Cu/Ni	%S
			10.0	624	.492	.09	.01	.21	.005	10/19	8.50
		1376.0									
		1380									
		1386.0	10.0	625	.598	.40	.01	.13	.002	9/18	11.50
		1390									
		1394.0 - 1405.1	8.0	626	.459	.07	.01	.12	.002	10/21	9.50
1394.0 - 1405.1 : avg 20% py, <1% cp		1394.0									
		1400	11.1	627	.248	.10	.01	.10	.001	10/18	10.50
		1405.1									
1405.1 - 1428.0 : avg 20% py, <1% cp, <1% sph		1405.1									
		1417.0	11.9	628	.079	.14	.02	.10	.001	9/17	10.50
		1420									
		1428.0 - 1443.2	11.0	629	.073	.43	.03	.12	.001	10/18	10.50
1428.0 - 1443.2 : avg 15% py, 1% cp, trace sph.		1428.0									
		1440									
		1443.2 - 1477.1	15.2	630	.391	.21	.01	.23	.001	8/17	8.20
1443.2 - 1477.1 : avg 15% py, <1% cp (a 0.1-0.3% cp), trace sph		1443.2									
		1460									

J. Butts

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%		COMPOSITE ASSAYS
1477.1 - 1493.2 : avg 14-15% py, 21% sp, locally 3-9% of over 3'.		1480							
1493.2 - 1566.0 : avg 1-2% py in local, medium-grained patches.		1500							

D. Birdy

DRILL LOG

PROJECT Kutchu Creek		GROUND ELEV.
HOLE NO. 93B1		BEARING ~ 196.0°
LOCATION wedged from the 935.0' (285m) point on DDH 93		DIP ~ 76.5°
LOGGED BY Dane Bridge		TOTAL LENGTH 935 - 1470 = 535.0' 2850 - 448.1 = 163.1 m
DATE Sept 11 - 15, 1979		HORIZONTAL PROJECT 80.55 m
CONTRACTOR Arctic Diamond Drilling		VERTICAL PROJECT 136.60 m
CORE SIZE BQ		ALTERATION SCALE  absent slight moderate intense
DATE STARTED Sept. 10, 1979		
DATE COMPLETED Sept 14, 1979		TOTAL SULPHIDE SCALE  traces only < 1% 1% - 3% 3% - 10% > 10%
DIP TESTS 935.0' ~ 76.5 ~ 196.0 969.5 ~ 74.7 ~ 196 1049.5 ~ 69.2 ~ 194 1149.5 ~ 62.7 ~ 194		
COMMENTS 1249.5 56.8 192 1349.5 48.7 195 1450.6 39.0 192.5		LEGEND

PAGE 1 OF 8		PROJECT:			HOLE NO. 93B1							
DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	metres	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
						A	B	C	D	E		
				285.0-399.1	935.0-1309.5	QFCT						
				285.0-307.7	935.0-1009.6	QFCT, medium green colored, avg 20% 1-10 mm qz phenos, avg 10% 1-2 mm slightly greenish, translucent plag phenos, avg 5-15% epidote, irregularly developed and dissem in ground mass						
				307.7-325.8	1009.6-1069.0	light green to med green QFCT, avg 15-20% 1-8 mm qz phenos, minor plag phenos, ≈ 15% 1-3 mm epidote grains which appear to be pseudomorphic after plag phenos, avg 1-3% 1-9 mm hb phenos completely replaced by F-g chlorite, groundmass locally waxy						
				325.8-337.5	1069.0-1107.3	mixed unit, mainly normal QFCT, locally hematitic, locally w heavy epidote, mainly w minor epidote sections F broken ground and fine-grained QFCT w 10% 1-3mm qz phenos, 25% 1-3 mm plag phenos						
				337.5-349.1	1107.3-1128.8	massive, uniform, QFCT, 10-12% 3-10 mm qz phenos, 25% 1-3 mm greenish, translucent plag phenos in limey-green ground mass w 40% fine epidote in near-aphanitic siliceous groundmass						
				349.1-356.7	1128.8-1170.4	dark green QFCT, avg 20% 2-10 mm qz phenos, minor plag phenos, avg 15% very patchy epidote development in ground mass, locally appears fragmental due to epidote development						

O. Birdy

PAGE 3 OF 8		PROJECT:					HOLE NO. 93F1				
DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					A	B	C	D	E		
				356.7-362.9 1170.4 - 1190.5: mixed light to dark green QFCT, mainly w 20-25% plagioclase, locally w epidote							
				362.9-384.7 1190.5 - 1262.1: mainly light greenish gray and brownish (due to hematite) gray QFCT, avg 30-25% 2-12 mm qz phenos, in slightly granular, gray, slightly foliated groundmass w 2-10% disseminated chlorite grains, avg 1% chloritic fragments							
				384.7-392.2 1262.1 - 1286.7: medium green to greenish gray QFCT, 20% 2-10 mm qz phenos, 15% 1-2 mm plagioclase phenos, avg 5% small to 25um very dark green chlorite frags w 15% white dolomite grains, probably after qz, becoming very slightly foliated							
				392.2-399.5 1286.7 - 1299.2: breccia phase as above but becoming light gray and slightly sericitic, local very slight hematite color.							
1290	55			399.5-399.1 1299.2 - 1309.4: white to very slightly greenish QFCT, 20% 1-10mm qz phenos, 10% visible 1-2 mm greenish plagioclase phenos, avg 20% 1-6 mm beige dolomite grains, in sericitic, well foliated mass							
1300	35			399.1-401.4 1309.4 - 1316.8: h.w. rhyolite with coarse w coarse dolomite augens and gouge							
	65			399.1-399.4 1309.4 - 1310.3: gray schist							
				399.4-401.4 1310.3 - 1316.8: light gray ark and crystal tuft, f-g matrix, 2% 1-6 mm qz phenos, 15% dolomite grains							
	70-75			401.4-402.2 1316.8 - 1319.7: sulphide horizon							

J. B. [Signature]

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%			oz/t		COMPOSITE ASSAYS	
					Cu	Zn	Pb	Ag	Au	Co/Ni	%S
1319.7 - 1331.2 : avg 5-7% dissem py, < 1% sph, < 1% cp.			11.5	6906	0.364	0.36	0.01	0.16	0.002	2/4	8.50
1331.2 - 1341.6 : avg 8-10% py, mainly fine-grained, avg 2% cp, medium-grained in dissem seams.		1331.2 - 1340	10.4	6907	1.430	0.03	0.01	0.25	0.003	2/4	12.10
1341.6 - 1363.0 : avg 3-5% py, locally < 1% sph, avg < 1% cp, cp as fine to med grained grains and patches or seams		1341.6 - 1352.0	10.4	6908	0.362	0.02	0.01	0.11	0.001	4/6	8.15
		1352.0 - 1360	11.0	6909	0.282	0.03	0.02	0.11	0.01	2/2	6.10
1363.0 - 1368.0 : 3-4% py, 1-2% sph, 1% cp.		1363.0 - 1370.5	6.5	6910	0.138	1.97	0.01	0.12	0.002	2/4	6.80
1368.0 - 1370.5 : 1% py, 2% sph, sph yellow to light gray, in dolo.		1370.5 - 1379.0									
1370.5 - 1379.0 : avg 3% py, avg < 0.5% cp, 2 seams of cp.		1379.0 - 1382.9									
1379.0 - 1382.9 : no sulphides		1382.9 - 1400									
1382.9 - 1400 : avg 1% py.											

J. Smith


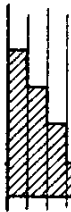
DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
1420			65	436.3-448.1 13987-1470.0: avg 15% commonly 1-5 mm, locally coarser, beige-colored dolomite grains, mainly sub-rhombic. < 0.5% hard, aphanitic, siliceous rhyolite fragments						
1440			65							
1460			65							
1470										

J. Brady

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%		COMPOSITE ASSAYS
		1420							
1430 - 1466.0: trace of associated w. rare rhyolitic fragments		1440							
		1460							
		1466							

D. Bridge

DRILL LOG

PROJECT Kutchuk Creek	GROUND ELEV.												
HOLE NO. 93 B2	BEARING ~ 192.0°												
LOCATION wedged from the 821.0' (250.2m) point on DDH 93	DIP ~ 78.4												
	TOTAL LENGTH 821.0 - 1397.0 = 576.0' 250.2 - 425.8 = 175.6m												
LOGGED BY Dane Burdge	HORIZONTAL PROJECT 79.07 m												
DATE Sept 16 - 17, 1979	VERTICAL PROJECT 153.93 m												
CONTRACTOR Arctic Diamond Drilling	ALTERATION SCALE  <ul style="list-style-type: none"> absent slight moderate intense 												
CORE SIZE B4													
DATE STARTED Sept 19, 1979	TOTAL SULPHIDE SCALE  <ul style="list-style-type: none"> traces only < 1% 1% - 3% 3% - 10% > 10% 												
DATE COMPLETED Sept 17, 1979													
DIP TESTS													
<table border="0"> <tr> <td>821.0'</td> <td>~ 78.4</td> <td>~ 192</td> </tr> <tr> <td>839.</td> <td>81.3</td> <td>192</td> </tr> <tr> <td>899</td> <td>78.4</td> <td>191</td> </tr> </table>	821.0'	~ 78.4	~ 192	839.	81.3	192	899	78.4	191				
821.0'	~ 78.4	~ 192											
839.	81.3	192											
899	78.4	191											
COMMENTS	LEGEND												
<table border="0"> <tr> <td>1019</td> <td>70.8</td> <td>192</td> </tr> <tr> <td>1139</td> <td>62.6</td> <td>192</td> </tr> <tr> <td>1259</td> <td>~ 55</td> <td>~ 192</td> </tr> <tr> <td>1366</td> <td>42.1</td> <td>~ 192</td> </tr> </table>	1019	70.8	192	1139	62.6	192	1259	~ 55	~ 192	1366	42.1	~ 192	
1019	70.8	192											
1139	62.6	192											
1259	~ 55	~ 192											
1366	42.1	~ 192											

PAGE 1 OF 8		PROJECT:				HOLE NO. 93B2					
DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					A	B	C	D	E		
250.2-255.6				821.0-838.7: water-lain tuffs of Tuff-Angillite unit mainly finely laminated light green aphanitic tuffs w fine graded bedding in dk gray grains, minor light gray massive granular rhyolite speckled w. biotite, bedding contorted and irregular contact at 60°							
255.6-268.7				838.7-881.7: basic units, feldspar porphyry, medium green w. avg 25% 2-8 mm light gray plag phenos, some w minor epidote in F-g groundmass w 5% small hb grains and 2% dissem epidote, plag changes to dk green towards base of unit contact at 45°							
268.7-271.9				881.7-892.2: tuffs of Tuff-Angillite unit							
268.7-269.0				881.7-882.7: QFCT textural type, 15% 1-8mm qz, 10% 1-3mm plag in aphanitic siliceous g.mass							
269.0-271.9				882.7-892.2: light green, gray-green and reddish, aphanitic tuffs, minor qz phenos towards base, bedding at 50-55°							
271.9-397.9				892.2-1305.5: QFCT, quartz Feldspar Crystal Tuff unit							
271.9-275.0				892.2-902.2: Fine-grained, medium green, very slightly foliated groundmass w. avg 15% 1-8mm qz phenos, mainly irregular and 1-2mm in diameter, no visible plag, 1-2% very fine epidote							
275.0-282.1				902.2-925.9: medium green, avg 20% 1-10mm qz and 20% 1-9mm med green translucent plag phenos in groundmass w. 20% dissem epidote							

D. B. S. S. S.

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
				282.1-284.2 925.4-932.5: light green to white, bleached? section, 15% 2-10 mm qz, 20% 1-4 mm gray-white plag phenos, in siliceous matrix w. white to yellow epidote						
				284.2-301.0 932.5-987.5: mainly massive w. minor fragments, mainly med green, 15-20% 1-10 mm qz, 20% 1-3 mm green plag phenos, avg 20% in matrix and locally infining fragments.						
				301.0-329.8 987.5-1082.2: light to medium green, aphanitic to very slightly waxy groundmass, avg 15% 1-12 mm qz phenos, 15% 1-3 mm greenish plag phenos, avg 1% (varies from trace to 2-3%) 1-4 mm commonly elongate chlorite patches w. appear to be relict hb., avg 15% epidote, mainly 1-3 mm grains, locally replacing plag phenos						
				329.8-333.3 1082.2-1095.6: fine-grained, hard, siliceous zone, avg 5% 3-8 mm qz phenos, in section w. 1-2 mm qz and plag grains in fine-grained groundmass, 1-2% epidote, minor hematite coloration.						
				333.3-344.1 1093.6-1129.0: light green, 20% 1-15 mm qz phenos, 10% 1-3 mm plag phenos, avg 10% yellow-green epidote, avg 1%, irregularly dissem chlorite, 1-4 grains and patches						
				344.1-356.5 1129.0-1169.5: breccia phase or patchy epidote-altered gres, med-dk green, aphanitic to f-g, apparently chloritic matrix, slightly foliated, w. 20% epidote mainly in small fragment-like patches						

J. Bridg

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
				avg 15% 1-10 mm qz phenos, ± 2% ? small green plagi phenos.						
				356.5-359.5 1169.5 - 1179.6 : light, locally med. green, 20% 1-10mm qz, ± 1-3 mm plagi phenos, siliceous ground mass w. ± 5% fine disseminated epidote						
				359.5-380.1 1179.6 - 1247.9 : light greenish gray locally slight to heavy reddish hematitic tone, avg 15-20% 1-10mm qz, 1-3 mm plagi phenos, in very fine-grained groundmass w. avg 5% disseminated locally patchy chlorite commonly 1-2% epidote very fine disseminated, locally replacing plagi phenos.						
				380.1-393.4 1247.9 - 1292.8 : breccia phase gneiss, light gray gneiss, avg 20% 1-10 mm qz, 5-10% 1-2 mm plagi phenos, avg 2-3% disseminated chlorite diminishing to 0% at base, avg 5% small to large lt green fragments consisting of 20% 1mm qz phenos in green chloritic groundmass, quantity of fragments increases towards base						
				389.4-393.4 1271.0 - 1290.8 : minor to increasing to 10% 2-8mm chloritic oolitic grains.						
				393.4-397.7 1290.8 - 1305.5 : light greenish white, sericitic gneiss, med foliated, schistose, avg 20% 1-12 mm qz phenos, 20% 1-6 mm dol. grains, minor rhyolitic fragments, minor app. green sericite						
1300				397.7-400.6 1305.5 - 1319.2 : hanging wall rhyolite unit, light gray to gray-green wavy schist, 5% 1-10mm violet qz phenos						

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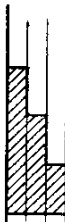
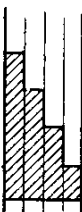
DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
1320				30% dolo grains and patches, minor gouge 400.6-402.3 1319.2 - 1320.0 : sulphide horizon, sggc w. 50% sulphide by wt, $\leq 5\%$ 1-5 mm white dolomite grains						
1340				402.3-416.4 1320.0 - 1366.0 : and including sulphide horizon, sggc, sericite-gz schist derived from rhyolite lapilli tuff						
1360										
1380				416.4-425.7 1366.0 - 1397.0 : sggc white rhy. lapilli tuff, good fundamental texture, avg 15-20% dolomite, rhombic augens to small patches.						
1397										

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PAGE 8 OF 8		PROJECT:						HOLE NO. 9302		
MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%			COMPOSITE ASSAYS		
					Cu	Zn	Pb	Ag	As	
1319.2 - 1320.0 : 50% py, Fine-med grained dissemin, 21% sp, 1% sph		1319.2 - 1320.0	5.8	6916	.592	.66	.02	.35	.001	
1320.0 - 1329.1 : avg 25% py, mainly fine-grained dissemin, 3% sp, 1.5-2.0% sph, Fine to med grained separate grains		1320.0 - 1329.1	9.1	6917	.819	1.23	.01	.35	.005	
1329.1 - 1333.8 : 15% py, 3% sp, 1% sph		1329.1 - 1333.8	4.7	6918	.822	.98	.01	.30	.005	
1333.8 - 1354.8 : avg 10% py, 1-1.5% sp, 0.5% sph		1333.8 - 1354.8	10.2	6919	.412	.03	.01	.14		
		1354.8 - 1366.0	10.8	6920	.898	.03	.01	.18		
1354.8 - 1366.0 : avg 2% py, trace sp		1354.8 - 1366.0								
1366.0 - 1367.8 : 3% py		1366.0 - 1367.8								
1367.8 - 1397.0 : avg 1% py		1367.8 - 1397.0								

J. Brutz

DRILL LOG

PROJECT Kutchu Creek	GROUND ELEV.
HOLE NO. 93B3	BEARING ~ 193°
LOCATION wedged from the 678.0' (206.6m) point on DDH 93	DIP - 81.0°
	TOTAL LENGTH 678 - 1337 = 659' 206.6 - 407.5 = 200.9m
LOGGED BY Dane Budge	HORIZONTAL PROJECT 92.44m
DATE Sept 18 - 22, 1979	VERTICAL PROJECT 170.11m
CONTRACTOR Arctic Diamond Drilling	ALTERATION SCALE  <ul style="list-style-type: none"> absent slight moderate intense
CORE SIZE B9	
DATE STARTED Sept 17, 1979	
DATE COMPLETED Sept 21, 1979	TOTAL SULPHIDE SCALE  <ul style="list-style-type: none"> traces only < 1% 1% - 3% 3% - 10% > 10%
DIP TESTS 678.0' - 81.0 - 193 719. 77.9 193 869. 69.8 197	
COMMENTS 1019. 58.7 198.5 1169 50.2 201 1249 44.8 199 -1307 40.8 -199	
	LEGEND

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
678				206.6 - 209.5 678.0 - 687.3 basic units dark greenish gray basic schist, 15% 1-3 mm elongate black hb phenos, 3% 1mm white round plus grains in moderately schistose matrix						
690				209.5 - 211.7 687.3 - 694.5 siliceous to intermediate tuff? light gray, f-g felsic tuff, avg 3% 1mm chl2 hb? grains						
700				211.7 - 221.1 694.5 - 725.5 basic unit, med greenish gray basic schist, 10% small, highly elongate moderately chloritized hb grains in fine-grained moderately foliated groundmass, 1-2% disseminated epidote						
726				221.1 - 229.5 725.5 - 753.0 water-lain tuffs light green to gray, aphanitic to f-g, siliceous tuffs, med well bedded, minor sections w. 1-8 mm qz phenos or grains						
740				229.5 - 238.0 753.0 - 781.0 Feldspar porphyry of basic units, massive, medium gray-green						

J. S. [Signature]

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
				Feldspar porphyry, 25% 1-8 mm subhedral plagiophenes, mainly gray, = 30% are partly to totally replaced by epidote, avg 3%. 1-2 mm grains of chloritized hornblende, in slightly granular fine-grained groundmass.						
780				232.0-252.4 781.0 - 828.0 : siliceous Luff aphanitic to very fine grained light green to gray very hard siliceous luffs, gray luffs are speckled w. biotite, massive and poorly bedding, bedding is disturbed, and locally highly con torted						
				822.1 - 822.5 : basic unit						
				252.4-262.8 828.0 - 862.2 : basic units, Feldspar porphyry, medium gray-green, avg 20% 2-8 mm plagiophenes, mainly gray, locally moderately chlorite altered, avg 5-8% totally chloritized and slightly hazy hb phenos, and chl. grains, avg 2% dissemin epidote						

J. Burt

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
860				262.8-267.8 862.2 - 878.5 : water-lain tuff light green, siliceous, becoming slightly chalky, greenish or gray white w. reddish hematitic sections						
870				aphanitic w. 0-5% 1mm white feld? phenos, well bedded and foliated, contact w. gneiss transitional over 0.1-0.2'						
880				267.8-393.6 878.5 - 1291.5 : QFCT 267.8-270.5 878.5 - 887.5 : Fine-grained phase, mainly fine-grained, mod. foliated med. green groundmass w. 15% 1-2mm qz and plag? phenos, <1% qz phenos to 10mm, minor sections or fragments of reddish green QFCT w. 20% 1-10mm qz phenos.						
890				270.5-310.7 887.5 - 1019.5 : possibly breccia phase QFCT, medium green, avg 20% 1-12 mm qz phenos, 10-15% 1-2 mm green plag phenos, avg 15-25% epidote, dissem in groundmass and in patches which may be fragments						
				310.7-327.4 1019.5 - 1074.0 : light green, gray-green, locally reddish brown, massive, uniform, avg 20% 1-10 mm qz phenos, 15-20% 1-3 mm plag phenos, avg 10% dissem epidote, locally 1-2% dissem chlorite, flakes and small patches						
				327.4-343.8 1074.0 - 1128.0 : possibly breccia phase, medium green like 887.5-1019.5, epidote variable 15-40%.						

D. B. ...

PAGE 7 OF 10		PROJECT:		HOLE NO. 2583							
DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY	
					A	B	C	D	E		
				393.8-351.2 1128.0-1152.4: med to light gray-green, 15% 1-10 mm qz phenos, 15-25% 1-3 mm greenish plag phenos, avg 2-3% epidote, locally slightly hematitic							
				351.2-366.8 1152.4-1203.3: light reddish gray, 15% 1-10 mm qz phenos, 15-25% 1-3 mm plag phenos, massive, 1-5% chlorite, fine grains and minor 1 mm grains							
				366.8-375.3 1203.3-1231.2: light gray, 20% 1-15 mm qz phenos, 15% 1-2 mm plag phenos, avg 1-2% finely disseminated black hematite							
				375.3-381.8 1231.2-1252.6: as above but w. plag becoming completely replaced w. dolomite, from trace at top to 35% disseminated 1-8 mm dolo grains in very weakly foliated groundmass, avg 1% black hematite							
				375.3-386.5 1231.2-1267.9: light gray gFCT w. minor rhyolite frags and pyrite, 15% 1-15 mm qz phenos, 10% 1-2 mm plag, avg 5% 1-3 mm dolo grains, avg 2% small to 5 cm gray rhyolite fragments, trace blk hem.							
				386.5-393.6 1267.9-1291.5: light gray to greenish gray, slightly dirty colored, sericitic gFCT, avg 15% 1-10 mm qz phenos in granular qz-ser-carb groundmass, dolo avg 15-30% 1267.9-1281.8: 1% black hematite							
				393.6-397.4 1291.5-1303.8: hanging wall rhyolite lapilli tuff unit w. minor sections of gFCT, one qz vein, minor gorse...							

J. Bridg

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSITE ASSAYS
1231.2 - 1267.9 : avg < 0.5% py, scattered fine disseminated py mainly in foliation plane										
1289.8 - 1291.5 : avg 5% py, fine disseminated in GFCF										
1291.5 - 1295.5 : avg 5% py in 3v, fine sp in g2 v										

J. Brault

DEPTH (FEET)	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
				1291.5 - 1295.5 : sheared 3r unit w. 1.0' qz vein w. gouge on each side						
				1295.5 - 1301.2 : gray lapilli tuff w. 10% 1-4 mm, 1% 4-10 mm qz phenos, avg 25% 3-10 mm dolo grains and larger patches						
				1301.2 - 1303.8 : gfcf textural type, light green, weakly schistose, 15% 1-10 mm qz phenos, 15% dolo grains, a 10% lapilli-sized fragments						
				1303.8 - 1303.9 : sulphide horizon, py in white patchy dolomite w. minor qz						
				1303.9 - 1337.0 : S-2C light gray ach tuff, rare lapilli fragments, 2% 1-4 mm qz grains, avg 10% 1-6 mm beige colored dolo grains, mainly sub-rhombic						

J. B. [Signature]



LEGEND

L.C.P. DENOTES LEGAL CORNER POST
 * DENOTES N.P. OR N° 2 LOCATION POST
 * DENOTES IRON POST WITH NUMBERED PLASTIC TAG AFFIXED THERETO
 ○ DH 76 DENOTES DIAMOND DRILL HOLE
 ○ TH 'A' DENOTES TEMPORARY TRAVERSE POINT

ORIGIN OF COORDINATES IS STATION IP 5249 (SEE PLAN 13039-0, REV 2) SCALED FROM 1" = 400' MAPPING (SEE JOB 05799-5)
 PLANE COORDINATES FOR THIS PLAN ARE REFERRED TO LOCAL ELEVATION DATUM
 MAPPING COORDINATES ARE REFERRED TO MEAN SEA LEVEL DATUM
 BEARINGS ARE DERIVED BY SOLAR OBSERVATION AT STATION IP 5202 (SEE PLAN 13039-0, REV 2)
 ELEVATIONS ARE GEODETIC AND REFERRED TO TRIANGULATION STATION PHOTO, SHOWN ON 1:250,000
 MAP SHEET WITH AN ELEVATION OF 6580 FT (2005.6 METRES)
 DISTANCES WERE MEASURED BY ELECTRONIC DISTANCE MEASURING EQUIPMENT AND CONVENTIONAL STEEL TAPES

SHEET INDEX

2	1
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TRAVERSE TABLE				TRAVERSE TABLE (CONT.)				DIAMOND DRILL HOLES						
STATION	NORTH	EAST	ELEVATION	REMARKS	STATION	NORTH	EAST	ELEVATION	REMARKS	STATION	NORTH	EAST	ELEVATION	REMARKS
IP 5243	22 561.76	34 030.54	1754.00		IP 5252	24 494.02	36 907.54	1411.38		DH 58	23189.93	36381.40	1496.99	
IP 5244	22 408.68	34 804.88	1573.86		IP 5253	21 522.19	35 291.91	1575.92		DH 65	23335.00	36390.08	1473.95	
IP 5245	23 217.44	34 754.05	1524.96		IP 5254	24 182.00	36 543.36	1392.68		DH 70	23302.70	35724.77	1495.16	ELEV. AT GROUND
IP 5246	23 232.23	34 382.09	1505.24		IP 5255	24 783.51	33 769.35	1350.97		DH 71	23397.26	36185.00	1501.37	
IP 5247	23 220.96	33 414.00	1600.16		IP 5256	22 651.90	36 310.85	1631.87		DH 72	23487.50	36120.49	1466.28	
IP 5248	23 083.78	32 940.82	1593.49		IP 5257	23 221.28	34 936.32	1521.42		DH 73	23399.38	36008.12	1500.85	
IP 5249	22 860.79	32 400.05	1561.78		IP 5258	24 494.02	36 427.54	1414.35		DH 74	23474.13	36004.79	1476.14	
IP 5250	22 858.26	32 838.50	1604.88	0.37 E OF LOC P. CAIRN	IP 5259	24 232.21	32 970.06	1256.77		DH 75	23200.96	36055.82	1527.17	
IP 5251	21 974.94	32 949.85	1609.27	0.43 E OF LOC P. CAIRN	IP 5260	24 182.00	32 462.12	1549.48		DH 76	23408.89	35885.75	1490.43	
IP 5252	21 981.11	32 416.24	1538.24		IP 5261	23 073.17	32 263.15	1540.88		DH 77	23516.41	35774.04	1496.37	
IP 5253	21 980.77	31 981.56	1470.64		IP 5262	23 073.17	32 263.15	1540.88		DH 78	23338.40	35836.91	1473.78	
IP 5254	21 977.84	31 546.03	1397.07		IP 5263	22 995.93	33 197.92	1631.94		DH 79	23508.48	35805.47	1474.41	
IP 5255	21 974.94	31 105.02	1374.61		IP 5264	22 915.10	32 050.38	1512.23		DH 80	23184.82	35805.97	1526.38	
IP 5256	22 071.06	31 966.49	1488.78		IP 5265	24 232.21	35 118.06	1368.28		IP 'Y'	23503.40	35896.82	1507.21	
IP 5257	22 083.03	31 550.26	1394.50		IP 5266	24 232.21	35 118.06	1368.28		DH KT 37	22958.81	36695.42	1494.93	
IP 5258	23 531.90	32 523.78	1480.10		IP 5267	23 601.74	33 566.73	1495.07		DH KT 38	22953.05	36584.84	1503.31	
IP 5259	23 040.81	32 044.16	1447.94		IP 5268	22 673.65	36 301.58	1630.15		DH KT 50	23102.23	36249.92	1526.67	
IP 5260	23 640.75	31 516.49	1402.29							DH 81	23218.40	36140.13	1522.21	61° WEST OF DH # 85
IP 5261	23 392.00	30 526.31	1506.96											
IP 5262	23 632.78	33 982.50	1482.76											
IP 5263	24 546.18	33 559.10	1329.05											

REV. NO.	DATE	REVISION	DR	CH	APP.
ESSO MINERALS					
IMPERIAL OIL LIMITED, MINERAL DIVISION			KUTCHO CREEK PROJECT		
LOCATION LINE AND DRILL HOLE SURVEY OF JEFF, KRIS, LIN, ANDREA, STU, SVEA AND CGL MINERAL CLAIMS IN LIARD MINING DIVISION - KUTCHO CREEK					
McELHANNEY ASSOCIATES PROFESSIONAL LAND SURVEYORS Vancouver, B.C.					
MINERAL RESOURCES BRANCH ASSESSMENT REPORT 7537 NO.					
DESIGNED	H. L.	SCALE	HORIZ. 1:5000		
DRAWN	H. M.B.	VERT.	1:5000		
CHECKED	H. L.	DATE	OCTOBER, 1978		
APPROVED	J.W.P.M.	JOB NO.	13554-0		
CLIENT DWS. NO.		MASSOC. DWS. NO.	13554-0-2		
Date: _____ Scale: 1:5000 N.T.S. 104 I - 1 W Map No. _____					