

LOG NO: 01-04 RD.

ACTION:

FILE NO:

KOKANEE EXPLORATIONS LTD.

REPORT ON EIGHT DIAMOND DRILL HOLES

CASH PROPERTY

CASH 1,2,4 + 16 CLAIMS

FT. STEELE MINING DIVISION
East Wild Horse River Area

N.T.S. 82G/11W

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,752

LAT: 49° 44'N

LONG: 115° 29'W

OWNER / OPERATOR

KOKANEE EXPLORATIONS LTD.

Suite 104, 135 - 10th Ave. S.,
Cranbrook, B.C.
V1C 2N1

Work Performed from July 27, 1990 to August 21, 1990

Report by: L. Stephenson
Submitted: December, 1990

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DRILL LOGS - Holes C90-10 to 17 incl.	Attached

REPORT ON EIGHT DIAMOND DRILL HOLES

CASH 1,2,4 + 16 CLAIMS
East Wild Horse River Area

FT. STEELE MINING DIVISION

L. Stephenson

December, 1990

1.00 INTRODUCTION

This report covers part of the 1990 work program on the Cash claims conducted by Kokanee Explorations Ltd. Eight diamond drill holes are being reported on, HQ size, totalling 1067.8 metres.

2.00 PROPERTY LOCATION, ACCESS AND TOPOGRAPHY

The Cash property is located approximately 25.0 km northeast of Cranbrook, B.C. on the East Wild Horse River. Access to the property is readily available by well developed gravel logging roads. The property is situated 16.0 km from highway and rail. The topography of the claims rises from the 4000 foot level on the East Wild Horse River to over 6500 feet.

3.00 REGIONAL GEOLOGY

The Cash claims are underlain by Precambrian and Cambrian metasediments. The Cambrian overlies the Precambrian with sharp, angular unconformity that is marked by a thick polymitic conglomerate. The Precambrian (Kitchener Fm.) consists mainly of hornfels, calc-silicates, dolomitic quartzites and quartzites. The Cambrian (Cranbrook Fm.) is composed mainly of meta-conglomerate, meta-quartz grit, dolomite and marble.

4.00 PROPERTY GEOLOGY

Immediately east of the property, a large Cretaceous monzonite-syenite stock intrudes Ordovician sediments. On the property, 2000 feet west of this large stock, a small syenite plug intrudes Cambrian marble and quartzites. Detailed geological mapping on the property has outlined a Cambrian basement high. This basement high produced a facies change in the Lower Cambrian stratigraphy. Black pyritic mudstones, calcareous mudstones and thin bedded argillaceous limestone occur south of the "high", while dolomite, limestone, and quartzite form the basal Cambrian, north of the "high". Lower Cambrian carbonates on top and along the north flank of the basement "high" host large sulphide bearing breccia structures which appear to be solution collapse breccias. The large monzonite-syenite stock in the claim area has skarnified the adjacent sediments.

5.00 PAST WORK

In 1971, an IP survey found a large unexposed sulphide bearing breccia structure. In 1974, one hole by Cominco cut 800 feet of sulphide (pyrite) bearing breccia, with rare tetrahedrite, galena and sphalerite. Two and a half km north of the above structure a second sulphide bearing breccia has been discovered. This structure is marked by gossan 800 feet long and 300 feet wide.

In 1973, Cominco drilled two short holes into the breccia while in 1990 an IP survey has shown a continuous anomaly, relative to the gossan showing that extends for over 1300 m and is open on both ends. The magnetic survey has outlined two prominent highs.

6.00 DIAMOND DRILL PROGRAM: Drill Holes C90-10 to 17 incl.

The eight diamond holes were designed to test the structure and I.P. zone along its length as well as test some of the previous diamond drill hole results.

The location of the eight holes is as follows:

<u>Hole #</u>	<u>Section</u>	<u>Departure</u>	<u>Azimuth</u>	<u>Dip</u>
C90-10	5920 N	4150 E	090 ⁰	-50 ⁰
C90-11	5700 N	4286 E	090	-65
C90-12	5700 N	4286 E	090	-50
C90-13	5920 N	4340 E	270	-45
C90-14	5920 N	4340 E	270	-70
C90-15	5990 N	4360 E	270	-45
C90-16	6300 N	4655 E	090	-45
C90-17	6300 N	4782 E	270	-45

Drill Holes C90-10,13+14 (Section 5920 N)

These three drill holes were designed to test the area of the IP anomaly under a significant zinc intersection. The IP source was identified as pyrite.

The typical carbonate geology of the sediment was encountered in the drilling. Some zones of skarnification and alteration in part associated with syenite dykes was also observed. The brecciated (solution breccia) nature of the carbonate was obvious in the drill core.

Drill Holes C90-11 + 12 (Section 5700 N)

These two holes were drilled to test the high IP response along strike from massive sulphides and associated with the small syenite intrusive.

Both holes intersected highly metamorphosed (skarnified) sediments in contact with the syenite dykes. Disseminated to stringer pyrite was encountered with some elevated base metal values.

Drill Hole C90-15 (Section 5990)

This hole was drilled to test the IP zone to the north of Section 5920. Significant amounts of pyrite in the carbonate sediments were encountered with elevated levels of base metals throughout the whole length of the hole.

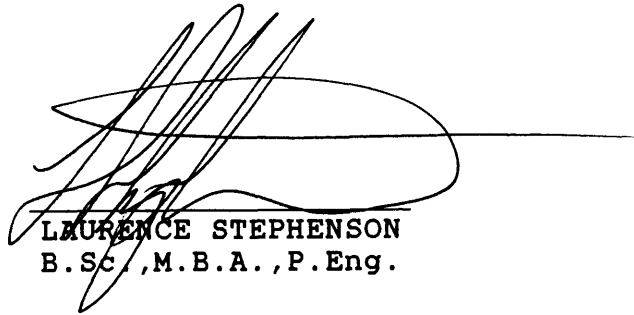
Drill Holes C90-16 + 17 (Section 6300 N)

These drill holes were to test an IP zone to the east of the main zone associated with a sedimentation contact.

The drill holes intersected highly silicified sediments and a brecciated contact (transition zone) between the two sedimentary units. Minor gold values were associated with the zone.

7.00 CONCLUSIONS

The drilling to date has indicated a carbonate hosted sulphide breccia with anomalous values of lead and zinc. More work is warranted to trace these zones along the IP strike length.



LAURENCE STEPHENSON
B.Sc., M.B.A., P.Eng.

The core is stored at Kovanee's exploration site
at Cranbrook

T.K.

EXHIBIT "A"
STATEMENT OF EXPENDITURES
DIAMOND DRILLING PROGRAM
ON CASH 1, 2, 4 + 16 CLAIMS
FT. STEELE M.D.

Covering the period of July 27th to August 21st, 1990

INDIRECT

SALARIES:

G. DePaoli - Geologist - Supervision/core
logging, sampling - 22 days @ \$200/day \$ 4,400.00


ASSAYS:

Acme Analytical Laboratories Ltd.
852 E. Hastings St., Vancouver, B.C.
300 Samples (30 element + Fire) 4,019.31

DIRECT

Connor's Drilling Ltd.
2007 West Trans Canada Highway,
Kamloops, B.C. 122,331.03

TOTAL INDIRECT AND DIRECT = \$130,750.34

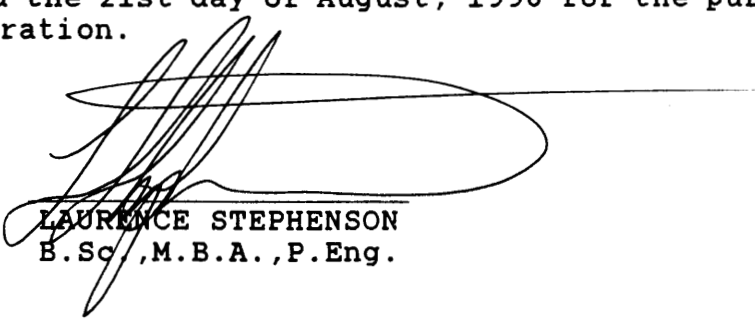

LAURENCE STEPHENSON
B.Sc., M.B.A., P.Eng.

IN THE MATTER OF THE
B.C. MINERAL ACT
AND
IN THE MATTER OF A DIAMOND DRILLING PROGRAM
CARRIED OUT ON THE CASH PROPERTY
EAST WILD HORSE RIVER AREA
in the Ft. Steele Mining Division of
of the Province of British Columbia
More Particularly N.T.S. 82G/11W

A F F I D A V I T

I, L. Stephenson, of the City of Cranbrook, in the Province of British Columbia, make oath and say:

1. That I am employed as a Geologist by Kokanee Explorations Ltd. and as such have a personal knowledge of the facts to which I hereinafter depose:
2. That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a diamond drilling program, on the Cash mineral claims;
3. That the said expenditures were incurred between the 27th day of July, 1990 and the 21st day of August, 1990 for the purpose of mineral exploration.

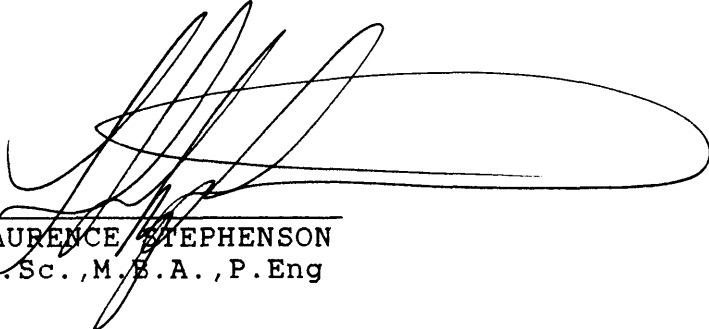


LAURENCE STEPHENSON
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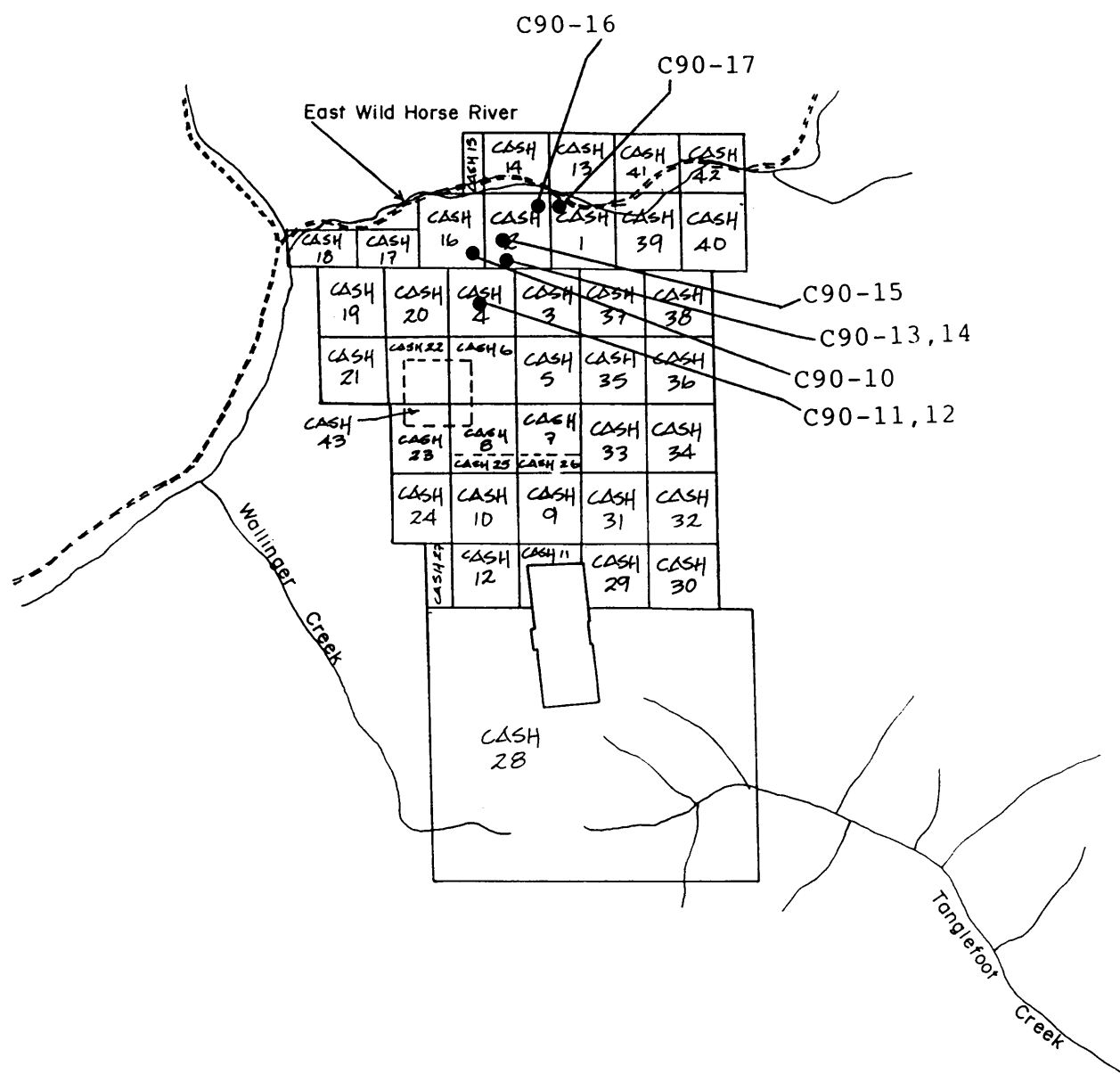
AUTHORS QUALIFICATION'S

I, Laurence Stephenson, of Cranbrook, B.C., in the Province of British Columbia, do hereby certify that:

1. I graduated from Carleton University in 1975 with a Bachelor of Science degree in Geology then, in 1985, graduated from York University with a Masters of Business Administration.
2. I am registered as a Professional Engineer for the Province of Ontario (1981) and currently a member in good standing.
3. I have had over 23 years experience in the field of mining exploration.



LAURENCE STEPHENSON
B.Sc., M.B.A., P.Eng

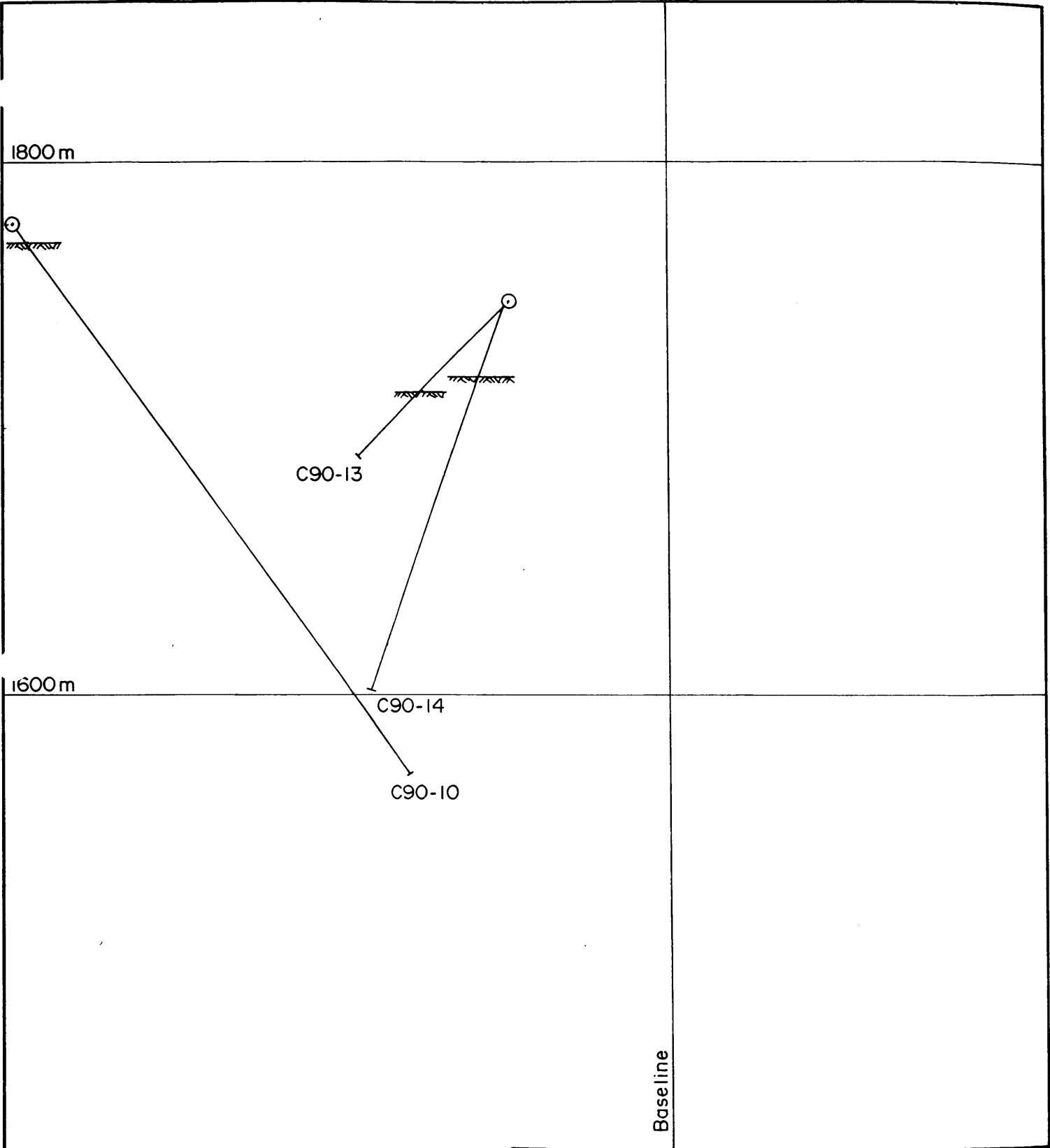


Cash 1-43
 Rec. No. 3643-3650
 3778-3781
 3913-3922
 3953-3972
 4196

N.T.S. 82G/IIW & I2E

KOKANEE EXPLORATION	
CASH PROPERTY	
Drillhole Location Map	
Scale: 1:50 000	Date: APRIL 1990





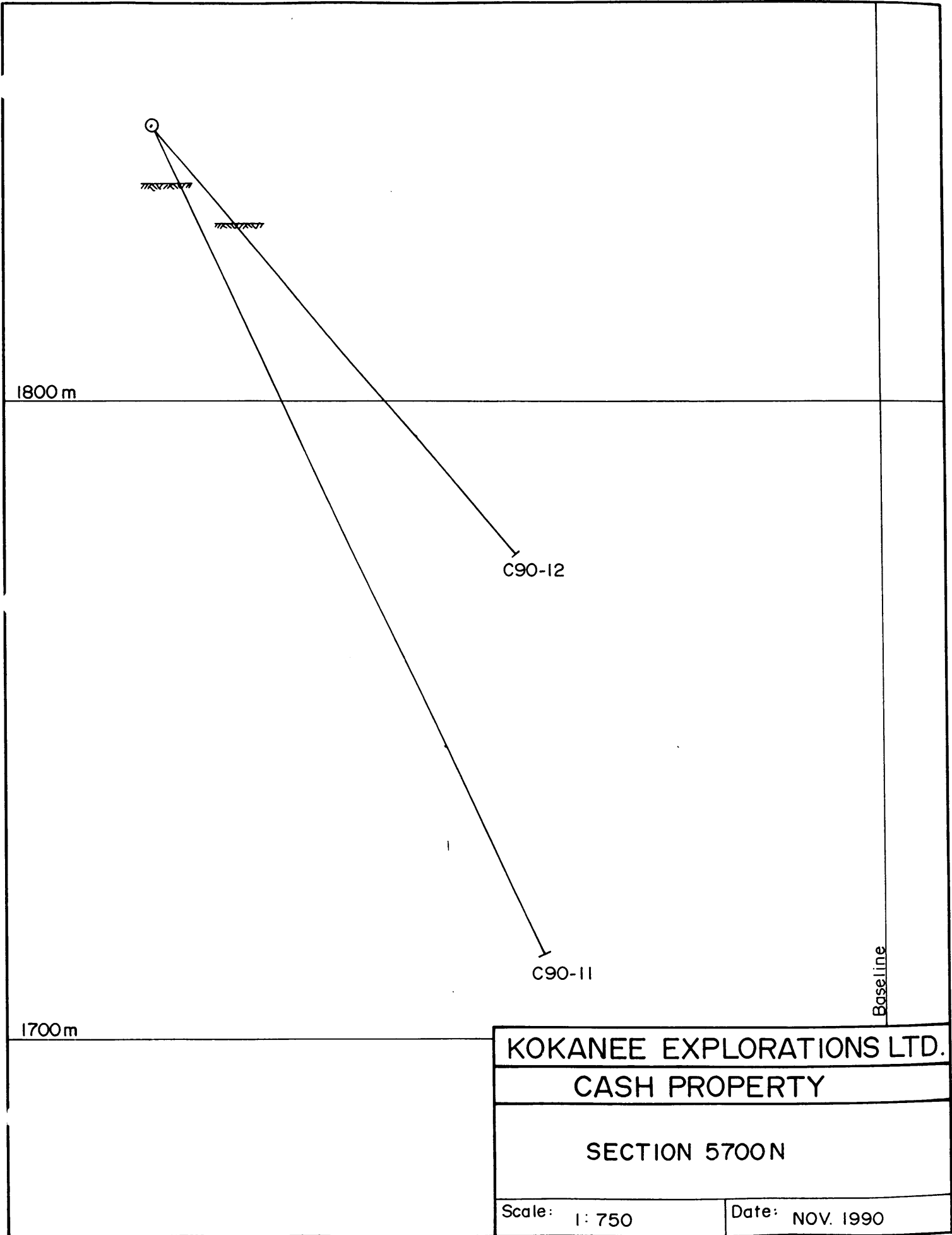
KOKANEE EXPLORATIONS LTD.

CASH PROPERTY

SECTION 5920 N

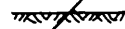
Scale: 1:2000

Date: NOV. 1990



KOKANEE EXPLORATIONS LTD.	
CASH PROPERTY	
SECTION 5700 N	
Scale: 1 : 750	Date: NOV. 1990

1700m



1600m

C90-15

Baseline

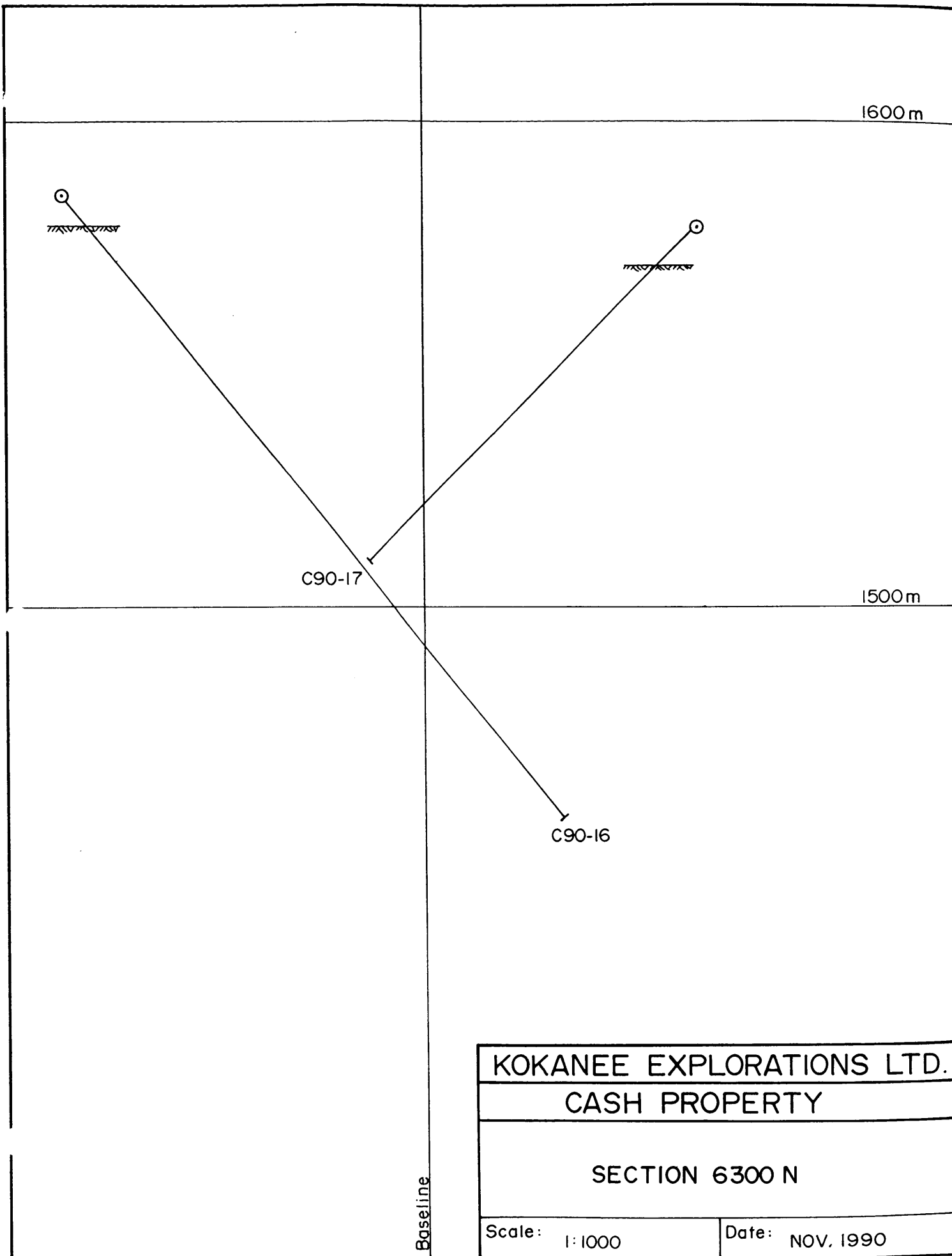
KOKANEE EXPLORATIONS LTD.

CASH PROPERTY

SECTION 5990 N

Scale: 1:1000

Date: NOV. 1990



KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No. C90-10

Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e							
From	To		No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
52.30	58.50	<u>Hornfelsic Marble:</u> alternating short sections of marble and hornfels, some quartzite. Very broken and rounded core. Interval includes some sections which may be fault gouge.	51	58.8	59.8	3	0	0.001	0.003	12
58.50	59.80	<u>Hornfels:</u> fine to medium grain. Diopside-actinolite-calcite-biotite hornfels. Light green with blue mottlings. Slightly silicified? Contact with marble is undulatory.								
59.80	61.30	<u>Hornfelsic Marble:</u> as 52.30 - 58.50. Biotitic bands @ 25° - 30°. Very broken core, some fault gouge(?).								
61.30	65.40	<u>Hornfels:</u> fine to medium grain diopside-actinolite-calcite-K-spar hornfels. Several small, irregular patches and dykelets of K-spar. Light green with blue mottlings. Short gouge zone @ 64.60. Contact with monzonite @ 75°±.	52	63.4	64.4	1	0	0.001	0.001	1
65.40	66.15	<u>Pyritic Monzonite:</u> calcareous, micaceous monzonite with 5% pyrite. Pyrite is strongly oxidized. Unit is more calcareous and micaceous than seen elsewhere.	1	65.4	66.2	1	0	.005	.002	45

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No. C90-10

Location: Cash 16 claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
66.15	67.20	<u>Hornfelsic Marble</u> : alternating sections of hornfels and marble. Mottled texture.								
67.20	72.10	<u>Marble</u> : light grey intraclastic marble. Intraclastic texture at 10 - 20° to core. Minor serpentinite stringers. Minor hornfelsic patches. Bottom contact @ 40°.								
72.10	73.30	<u>Hornfels</u> : fine to medium grain diopside-actinolite-calcite hornfels. Mottled light green-blue texture as before. Parallel biotitic-siliceous bands (20cm) at <u>73.00 and 73.30</u> . Cut core at 10 - 25°.	53	72.1	73.3	5	0	0.001	0.001	28
73.30	74.20	<u>Marble</u> : 50% biotitic bands, cut core @ 10 - 15°. Bottom contact is 10cm of fault gouge(?). Cuts core @ 55°. Equivalent to rhythmically bedded sections in C90-1?								
74.20	78.30	<u>Hornfels</u> : fine to medium grain diopside-actinolite-calcite-K-spar hornfels. Irregular syenite patches and dykelets. Light green with blue mottlings. Bottom contact is gradational, @ 10°.	54	74.2	74.7	4	0	0.001	0.002	4

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No. C90-10

Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
78.30	- 79.40	<u>Marble:</u> light grey with biotitic-serpentinite bands as 73.30 - 74.20. Cut core @ 10°. Bottom contact gradational @ 10°.								
79.40	- 83.30	<u>Hornfels:</u> as 74.20 - 78.30.	55	79.4	80.4	1	0	0.001	0.001	1
83.30	- 83.90	<u>Syenite:</u> very light pink, fine grained. Differs from other syenite seen by its small grain size. Minor hornblend, very minor pyrite. Bottom contact @ 45°.	2	83.3	83.9	1	0	.001	.001	26
83.90	- 86.50	<u>Hornfels:</u> as before, with some marble contamination. Bottom metre is broken and slightly rusty.	3	85.5	86.5	1	0	0.001	0.002	20
86.50	- 90.40	<u>Granite(?):</u> 67% - plagioclase; 15% - orthoclase; 10% - quartz; 5%-hornblend and mica; 3% - pyrite. Medium grained equigranular. Top metre has some hornfels contamination. 10cm gouge zone @ 88.40, cuts core @ 25°. Bottom 50cm is more syenitic. Higher concentration of pyrite at transition zone to syenite.	4	86.5	87.5	3	0	0.001	0.001	73
			5	87.5	88.5	1	0	0.001	0.001	37
			6	88.8	89.5	1	0	0.001	0.001	55
			7	89.5	90.4	1	0	0.001	0.001	46
90.40	- 95.50	<u>Hornfels:</u> light green, fine to medium grain diopside-calcite-actinolite hornfels. Minor marble sections. Some biotitic band @ 40°.	56	93.0	94.0 2	0	0.001	0.002	4	

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No. C90-10

Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu % ppm
From	To		No.	From	To					
95.50	- 98.60	<u>Marble</u> : light indigo blue colour, brucite? Mottled texture with some short hornfelsic sections. Moderate serpentinization, bedding parallel? @ 55°. Very minor disseminated pyrite.								
98.60	- 100.60	<u>Hornfels</u> : as above.	57	99.6	100.6	1	0	0.001	0.001	8
100.60	- 101.30	<u>Marble</u> : light grey-green. Very mottled texture. Very fine grain brownish-honey coloured mineral <u>101.00 - 101.30</u> , <1%.	8	101.0	101.3	4	0	0.001	0.001	100
101.30	- 103.70	<u>Hornfels</u> : light green, fine to medium grained diopside-actinolite-calcite-biotite hornfels.								
103.70	- 104.00	<u>Altered Granite(?)</u> : feldspar rich section in the hornfels. Very mottled, crystal faces not discernable. 5% pyrite, oxidized. Top and bottom contacts are gradational.	9	103.7	104.0	4	0	0.001	0.001	433
104.00	- 105.00	<u>Hornfels</u> : as <u>101.30 - 103.70</u> .								
105.00	- 106.80	<u>Syenite</u> : medium pink porphyritic syenite. Euhedral, zoned phenocrysts. Abundant mariolitic cavities. Minor pyrite.	10	105.0	106.0	1	0	0.001	0.001	46
			11	106.0	106.8	1	0	0.001	0.001	47

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Property: CASH

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Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
106.80 - 108.20		<u>Altered Monzonite:</u> medium grain equigranular monzonite with calcite-epidote alteration of plagioclase, alteration strongest on top 70cm. In places epidote replacement highlights zoning in plagioclase. Top 70cm has 10% pyrite, bottom 70% has 5%. Bottom contact @ 25°.	12	106.8	107.5	2	0	0.001	0.002	501
			13	107.5	108.2	3	0	0.001	0.002	59
108.20 - 110.00		<u>Hornfels:</u> as before with irregular patches of orthoclase and plagioclase. Gradational contact with marble.	58	109.0	110.0	1	0	0.001	0.002	15
110.00 - 114.30		<u>Marble:</u> light indigo blue marble. Mottled texture. Moderate serpentinite along fractures. Bottom contact is a thin (2cm) black gouge zone, cuts core @ 65°.								
114.30 - 115.70		<u>Hornfels:</u> light green fine to medium grained diopside-actinolite-calcite hornfels. Mottled texture. Contact with marble @ 30°.	59	114.7	115.7	1	0	0.001	0.001	7
115.70 - 123.30		<u>Marble and Hornfels:</u> alternating short (30 - 50cm) sections of marble and hornfels. Some marble sections contain 30% medium to coarse grained disseminated biotite.	14	122.5	132.0	1	0	0.003	0.01	25

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No. C90-10

Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
		Hornfels-marble contacts @ 35 - 45°. <u>122.50 - 123.00</u> coarse grained mixture of hornfels and plagioclase upper contact @ 50°. Bottom contact at <u>123.30</u> @ 40°, fault?, some minor gouge.								
123.30	125.30	<u>Marble</u> : light grey to indigo blue with altered sections with coarse grained disseminated biotite as above as well as sections with very fine grained disseminated orange-red grossular? Some banding/bedding? @ 30 - 50°.								
125.30	129.70	<u>Hornfels</u> : light green fine to medium grained diopside-biotite-calcite-hornfels. Very broken core, some gouge? Bottom contact @ 45°.	60	126.4	127.4	1	0	0.001	0.004	6
129.70	133.70	<u>Marble</u> : white to light indigo blue. Texture ranges from intraclastic to round-clast breccia. Moderate serpentinization throughout. Minor pyrite.	15 16	131.7 132.7	132.7 133.7	4 3	0 0	0.001 0.001	0.001 0.004	25 28
133.70	136.50	<u>Hornfels</u> : as before, with some plagioclase contamination <u>134.30 - 134.50</u> . Little or no pyrite.	17 18 19	133.7 134.5 135.5	134.5 135.5 136.5	1 5 1	0 0 0	0.001 0.001 0.001	0.01 0.005 0.005	16 3 89

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No. C90-10

Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
136.50	137.50	<u>Marble</u> : medium grained marble with fine to medium grained biotite-muscovite throughout. Some more biotitic bands (5cm) with 10% pyrite.	20	136.5	137.5	5	0	0.001	0.001	55
137.50	138.10	<u>Pyritic, Biotitic Marble</u> : typical round-clast breccia texture with gradational boundaries between the matrix and clasts, 30% fine grained pyrite with minor magnetite. 25% marble clasts, 75% matrix. Matrix is fine grained pyrite with very fine grained pyrite-chalcedony-calcite. Pyrite often forms concentric rings around marble clasts. Gradational contact with pyritic chalcedony below, @ 45°. Moderate serpentinization.	21	137.5	138.1	1	0	0.001	0.001	428
138.10	138.30	<u>Bedded, Pyritic Chalcedony</u> : Very fine grained silica with 15% fine grained pyrite in poorly defined bands @ 45° to core. Light grey in colour.	22	138.1	138.3	1	0	0.001	0.001	101
138.30	142.80	<u>Marble with Pyritic Sections</u> : light grey-blue. Intraclastic to round-clast breccia. Some short (10cm) biotitic-pyritic sections like 137.50 - 138.10. 2 - 3% pyrite overall. Minor serpentinization. Bottom contact @ 55°.	23	138.3	139.3	1	0	0.001	0.001	18
			24	139.3	140.3	2	0	0.001	0.001	22
			25	140.3	141.3	1	0	0.001	0.002	202
			26	141.3	142.8	1	0	0.001	0.002	136

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Hole No. C90-10

Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
142.80	143.00	<u>Pyritic Chalcedony</u> : as <u>138.10 - 138.30</u> but darker in colour and with no well defined beds. 2% pyrite.	27	142.8	143.0	1	0	0.001	0.003	329
143.00	149.00	<u>Marble</u> : white to light grey intraclastic marble with minor pyrite. 5cm of 30% pyrite @ <u>144.10</u> . Minor serpentinization.	28	143.0	144.0	2	0	0.001	0.002	137
			29	144.0	145.0	3	1	0.074	0.01	474
149.00	149.20	<u>Silicified Intrusion?</u> : fine grained anhedral mixture of quartzite-K-spar-calcite and 2% pyrite. Bottom contact is thin gouge zone @ 75° to core.	30	149.0	149.2	1	0	0.002	0.001	635
149.20	151.40	<u>Marble</u> : white to light grey intraclastic to round-clast breccia. Moderate serpentinization, no pyrite.								
151.40	151.70	<u>Syenite</u> : fine to medium grained porphyritic syenite dyke. Minor pyrite, abundant mariolytic cavities. Cuts core @ 55°.	31	151.4	151.7	1	0	0.001	0.001	20
151.70	157.10	<u>Marble</u> : white to light grey massive to intraclastic marble. Section <u>152.40 - 153.40</u> (00032) contains 2% very fine grained disseminated orange-red grossular?	32	152.4	153.4	3	0	0.001	0.001	49

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No. C90-10

Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e							
From	To			No.	From	To	Au ppb	Ag ppm	Pb %	Zn %
157.10	157.20	<u>Bedded, Pyritic Chalcedony:</u> light grey chalcedony with 5% very fine grained pyrite. Faintly bedded, bedding quite contorted. Cuts core @ 65°.	33	157.1	157.2	1	0	0.001	0.001	209 ^{ppm}
157.20	164.20	<u>Marble:</u> light grey-blue intraclastic to mottled marble, minor serpentinite.								
164.20	164.50	<u>Altered Syenite?:</u> highly contorted, anhedral mixture of k-spar, plagioclase, hornblend and 3% pyrite. Pyrite has magnetite rims. Cuts core @ 60°?	34	164.2	164.5	2	0	0.001	0.001	410
164.50	188.30	<u>Bedded Marble:</u> light grey marble with bedding highlighted by slightly darker, more biotitic beds as well as whiter, more siliceous beds. Very similar to units 142.65 - 146.00 and 179.22 - 182.58 in C90-1. Bedding cuts core @ 35 - 50°. Very minor pyrite.								
188.30	195.50	<u>Marble:</u> light grey-blue marble with rare small hornfelsic patch. Biotitic, round-clast breccia sections. Generally a intraclastic to brecciated to mottled texture. Bottom metre has a mottled texture with very light honey-tan coloured stringers. 1% fine grained	35	194.5	195.5	2	1	0.002	0.001	27

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No. C90-10

Location: Cash 16 Claim

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
252.70	- 255.60	<u>Bedded Marble:</u> light grey marble with darker, fine grained biotite beds @ 45 to 65° to core, minor pyrite. Marble sections have mottled texture. Some biotitic sections are slightly silicified. Very light brown chalcedony beds, 20cm wide, at <u>254.60 and 255.00</u> cut core @ 45 to 55°.								
255.60	- 255.70	<u>Bedded, Pyritic Chalcedony:</u> brown chalcedony with patches and lenses of pyrite with a fine grain biotite(?) rim. Cuts the core @ 65°								

END OF HOLE AT 255.7 METERS

**KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD**

Page 2

Property: CASH

Hole No.: C90-11

Location: CASH 4 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
25.60	27.00	<u>Hornfels</u> : as 14.50 - 23.40. Biotitic banding outlines a fabric @ 50°. Bottom contact with syenite is at 5° to core, very fine grained biotite and calcite along contact, may be a fault. Little or no pyrite.	63	26.0	27.0	1	0	.001	.004	6
27.00	27.70	<u>Syenite</u> : as 23.40 - 25.60. Little or no pyrite. Bottom contact is very sharp, @ 5° to core.	64	27.0	28.0	3	0	.001	.001	6
27.70	34.20	<u>Hornfels</u> : as before, but slightly coarser grained and slightly more biotitic. Biotitic bands highlight a fabric @ 50°. Several small breaks/faults: slickensided surface at 30.00, cuts core @ 20°; slickensides run @ 20° to long axis; 2cm gouge zone @ 31.30, cuts core @ 80°; 2cm gouge zone @ 34.00, cuts core @ 20°. Bottom 20cm is more highly altered?, has a dirty brown colour. Bottom contact is coarsely broken core.	65	31.0	32.0	4	0	.001	.003	1
34.20	37.00	<u>Monzonite</u> : slightly rusty monzonite with 5% pyrite. Very minor biotite. Core is coarsely broken and slightly rounded.	66	35.0	36.0	2	0	.001	.001	8

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Page 3

Property: CASH

Hole No.: C90-11

Location: CASH 4 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
37.00	41.20	<u>Hornfels:</u> light green fine to medium grained diopside-calcite-biotite-plagioclase-calcite-K-spar hornfels. Very contorted fabric. Section <u>38.00 - 38.40</u> is 60% plagioclase, 40% hornfelsic minerals and includes minor amounts of a very fine grained violet, crystalline mineral, fluorite?, minor pyrite. Very broken core. Unit as a whole has very minor pyrite.	67	38.0	38.4	1	0	.003	.006	17
41.20	45.20	<u>Monzonite and Syenite:</u> symmetrically zoned intrusion of monzonite and syenite. <u>41.20 - 42.40</u> , monzonite; <u>42.40 - 44.50</u> , syenite; <u>44.50 - 45.20</u> , monzonite. Monzonite is white, equigranular, with 5 - 15% green hornblend and minor pyrite. Syenite is light pink, porphyritic, with 10% to 20% matrix of fine grained hornblend. Minor pyrite. Contacts between monzonite and syenite are gradational over 30cm. Monzonite has more mariolytic cavities. Gradational bottom contact with hornfels.	68	44.2	45.2	3	0	.001	.001	15

**KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD**

Page 4

Property: CASH

Hole No.: C90-11

Location: CASH 4 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
45.20 - 53.50		<u>Hornfels</u> : light green, mostly medium grained diopside-biotite-calcite-plagioclase-K-spar hornfels. Very contorted fabric with up to 60% feldspar. Some small syenite dykes cut core @ 45°. Top metre is unconsolidated section of diopside, possibly represents porous section, does not appear to be a fault. Bottom 30cm is medium to coarse grained. Highly contorted, with 1% of a ruby red mineral(?). Bottom contact is 1cm of cream coloured silica and siderite(?), contact @ 85° to core.	69	45.2	46.2	3	0	.001	.004	29
			70	50.0	51.0	1	0	.001	.008	4
			71	53.2	53.5	1	0	.001	.006	2
53.50 - 57.50		<u>Syenite</u> : medium pink, slightly rusty porphyritic syenite. Very minor pyrite. Bottom contact (?), broken core.	72	53.5	54.5	1	0	.001	.001	76
57.50 - 60.80		<u>Hornfels</u> : light to medium green, mostly medium grained diopside-mica-calcite-silica hornfels. Coarser grained + more micaceous than higher in the hole. Interval includes several fractures coated with a white-brown fine grained crystalline calcite, as unit below. Associated with this white crystalline calcite is a very fine grained ruby mineral, rhodocrosite(?). Very minor pyrite. Fractures with white	73	59.8	60.8	1	0	.001	.007	22

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Page 5

Property: CASH

Hole No.: C90-11

Location: CASH 4 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
		crystalline calcite infilling cut core @ 15° to 35°. Contact with unit below is very sharp and jagged. Start of creamy-white calcite alteration.								
60.80	61.60	<u>Calcified Breccia Zone:</u> clear, angular quartz clasts suspended in matrix of creamy-white to brownish, very fine grained, very crystalline sucrosic calcite. Section 61.00 - 61.20 slightly unconsolidated, rounded quartz clasts, shear fabric @ 25°. Faint ruby-pinkish wisps throughout, rhodochrosite? Very similar to zone 98.55 - 99.80 in C90-4. Bottom contact with syenite @ 25°. Sinter?	74	60.8	61.6	8	0	.001	.008	7
61.60	65.20	<u>Syenite:</u> light pink porphyritic syenite. Very minor pyrite. White calcite section 63.30 - 63.60. Top contact @ 30°, bottom contact @? Prominent fracture set @ 60°. Some broken core.	75	64.0	64.5	2	0	.001	.002	12
65.20	68.00	<u>Altered Marble:</u> highly contorted mixture of grey marble, light green fine grained hornfels and the same creamy-white calcite as above. Some wisps and	76	67.0	68.0	1	0	.001	.004	5

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Page 6

Property: CASH

Hole No.: C90-11

Location: CASH 4 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
		patches of rhodochrosite. Contact between marble and creamy-white calcite is gradational. Interval includes syenite dyke, <u>66.30 - 66.50</u> , cuts core @ 50°.								
68.00	68.50	<u>Lamprophyre?</u> : medium grained biotite-muscovite-calcite. Crystals randomly oriented. Cuts core @ 60 - 70°, contacts slightly gradational.	77	68.0	68.5	4	0	.001	.009	2
68.50	71.60	<u>Altered Marble</u> : contorted mixture of grey intraclastic marble and creamy-white, brownish calcite as above. Bottom 30cm is more brownish in colour and the core is quite broken. Fault?								
71.60	75.40	<u>Hornfels</u> : light green fine to medium grained diopside-calcite-actinolite-K-spar hornfels. Some slightly silicified sections. Thin (2cm) syenite dykes throughout, cut core @ 45°. Faint banding in places at 45°, parallel to dykes. Top 2 metres is very broken.	78	73.0	74.0	8	0	.001	.002	4
75.40	77.00	<u>Marble</u> : medium grey intraclastic marble. Fabric @ 30 - 40°.								
77.00	79.00	<u>Hornfels</u> : light green, mostly fine grained diopside-actinolite-calcite hornfels. Some intense lime green	79	77.0	78.0	1	0	.001	.002	2

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Page 8

Property: CASH

Hole No.: C90-11

Location: CASH 4 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e							
From	To		No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
97.20	101.30	Hornfels + Marble: alternating sections of hornfels sections contain abundant medium grained biotite and muscovite, minor amounts of rhodochrosite?, and abundant serpentinite (00082). Hornfels slightly darker green than usual. Calcite filled fractures @ 20 deg., minor pyrite.	82	99.3	100.3	1	0	.001	.004	74
			83	100.3	101.3	1	0	.001	.003	3
101.30	105.40	Pyritic Marble and Hornfels: alternating sections of grey massive marble and medium green hornfels as above but with 2-5% pyrite/magnetite, with minor chalcopyrite. Mineralization occurs in thin veinlets, (3 cm vein @ 102.6 m cuts core and 20 deg., 80% pyrite and 1% chalcopyrite), in lace work of intraclastic texture and along fractures running subparallel to the core. Magnetite rims the pyrite and is clearly an alteration of it. Chalcopyrite also appears to be an alteration of the pyrite. Minor disseminated ruby red ocher? Moderate serpentinization, contact with syenite @ 45 deg.	84	101.3	102.3	4	1	.01	.01	664
			85	102.3	103.3	3	1	.02	.005	476
			86	103.3	104.3	3	0	.001	.004	433
			87	104.3	105.4	4	1	.01	.005	814

**KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD**

Page 9

Property: CASH

Hole No.: C90-11

Location: CASH 4 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
105.40	143.00	<p><u>Syenite and Monzonite:</u> varying from medium pink porphyritic syenite to white, equigranular monzonite. In detail as follows: <u>105.4 - 114.0</u> - variable, grades between syenite and monzonite. <u>104.0 - 127.5</u> - monzonite becoming more equigranular, smaller grained and more biotitic downward. <u>127.5 - 133.2</u> - syenite, contact with monzonite is very sharp @ 30 deg to core. <u>133.2 - 140.0</u> - monzonite, porphyritic, light pink in color, grading downward into syenite. <u>140.0 - 143.0</u> - syenite, with minor monzonite patches.</p> <p>5% fine grained disseminated pyrite throughout, slightly more in the more biotitic sections.</p>	88	105.4	106.4	4	1	.001	.002	160
			89	110.0	111.0	2	0	.001	.001	33
			90	116.0	117.0	4	0	.001	.001	94
			91	119.0	120.0	2	0	.001	.001	14
			92	126.0	127.0	2	0	.001	.001	6
			93	131.0	132.0	2	0	.001	.001	9
			94	136.0	137.0	1	0	.001	.001	309
			95	138.0	139.0	6	0	.001	.001	55
			96	142.0	143.0	1	0	.001	.001	142

END OF HOLE AT 143.00 METERS

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Page No. 1

Name of Property: CASH

Corr. Dip:

Remarks:

Hole No: C90-13

Length: 82m

Location: CASH 2/Ft. Steele M.D.
5920N + 4340E

Start Date: August 10/90

Finish Date:

Elevation: 1748.2m

Azimuth: 270°

Collar Dip: -45°

Core Size: H.Q.

Tests at: -51° at 61.0 m

Logged by: G.D.P.

Date: August/90

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
0.00	23.60	<u>Overburden:</u> no core.								
23.60	30.10	<u>Interbedded Marble and Hornfels:</u> light bluish-grey, massive to intraclastic marble interbedded with short (50cm) sections of well bedded, fine grained diopside-biotite-calcite hornfels. Intraclastic fabric and bedding @ 60° to core. Fault zone @ <u>27.8</u> , cuts core @ 25°. Very solid core. Minor pyrite except for top 20cm which has 10% in the matrix of a brecciated, white marble section and the bottom 50cm which has 2% in stringers and fractures at an oblique angle to the intraclastic fabric.	117	23.6	24.6	6	1	.001	.001	38
			118	24.6	25.6	17	1	.005	.008	59
			119	25.6	26.6	1	0	.002	.001	18
			120	26.6	27.6	1	1	.002	.002	29
			121	27.6	28.6	1	1	.004	.001	18
			122	28.6	29.6	3	1	.01	.002	22
			123	29.6	30.1	2	1	.001	.001	21
30.10	31.10	<u>Pyrite Matrix Breccia:</u> brecciated very light grey, slightly intraclastic marble with a pyrite-magnetite breccia. 30% pyrite-magnetite (pyrite:magnetite=4:1).	124	30.1	31.1	1	2	.005	.005	145

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No.: C90-13

Location: CASH 2 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
		Pyrite is fine grained, euhedral and is rimmed by and is clearly altering to magnetite. Open vugs are common at the centre of the areas of more massive pyrite and clearly mirror the outline of the surrounding marble clasts. Greenish-blue serpentinite is common in the marble and in the pyrite matrix. Limonitic staining of marble is common. Marble clasts are generally subround. Pyrite occurs in lacework stringers subparallel to the core as well as in the breccia matrix. Contact between clast and matrix is quite sharp.								
31.10 - 41.40		<u>Marble with Pyritic Fractures:</u> similar light grey-blue massive to intraclastic marble as above but with 1% - 10% pyrite, average 4% pyrite. Pyrite is fine grained, euhedral and rimmed with magnetite as above but occurs mostly in fractures averaging 1cm (very coarsely brecciated?), occasional brecciated section has more pyrite-magnetite. Contacts between marble and sulphides are quite sharp and are angular to slightly round. Minor green-blue serpentinite throughout. Open vugs as above in brecciated sections.	125	31.1	32.1	2	1	.002	.002	31
			126	32.0	33.1	2	1	.002	.001	25
			127	33.1	34.1	1	1	.001	.001	35
			128	34.1	35.1	1	1	.002	.002	80
			129	35.1	36.1	1	1	.007	.001	63
			130	36.1	37.1	1	1	.004	.002	36
			131	37.1	38.1	1	1	.007	.004	30
			132	38.1	39.1	1	1	.006	.003	196
			133	39.1	40.1	1	1	.01	.002	264
			134	40.1	41.1	1	1	.02	.001	606

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Page 3

Property: CASH

Hole No.: C90-13

Location: CASH 2 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
41.40	42.70	<u>Hornfels</u> : light green, fine grained diopside-calcite-biotite-muscovite hornfels. Micaceous bands @ 45° to core. Minor pyrite.	135	41.4	42.7	1	0	.002	.002	67
42.70	44.40	<u>Pyritic, Hornfelsic Marble</u> : mixture of brecciated, light grey marble with a pyrite-magnetite matrix and calcite-diopside hornfels with disseminated fine grained pyrite. Section contains 10% pyrite, 7% magnetite. Hornfels differs from most others in that it is mostly calcite. Marble breccia matrix has much more magnetite than seen above. Pyrite also occurs as fine grained disseminations in the marble.	136	42.7	43.7	2	1	.02	.002	571
			137	43.7	44.4	4	2	.07	.003	1249
44.40	48.90	<u>Marble, Pyritic Breccia</u> in part: light indigo blue coloured, intraclastic to bedded to brecciated marble with pyrite-magnetite throughout in irregular stringers and disseminated patches up to 30% pyrite-magnetite in brecciated sections. Average 5 - 7% pyrite-magnetite throughout. Very contorted fabric highlighted by indigo blue stringers. Rust staining of marble common in more pyritic sections.	138	44.4	45.4	1	1	.006	.003	42
			139	45.4	46.4	1	1	.04	.002	317
			140	46.4	47.4	1	1	.008	.003	59
			141	47.4	48.4	1	1	.01	.002	121
			142	48.4	48.9	1	1	.008	.003	885

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Page 4

Property: CASH

Hole No.: C90-13

Location: CASH 2 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
48.90	49.40	<u>Pyritic Serpentinite and Marble:</u> section of almost pure dark green serpentinite with some dark, indigo-blue marble. 30% fine grained, disseminated pyrite throughout, with some chalcopyrite. The central, more serpentinized section has several small (1cm) en-echelon fractures filled with an emerald green, very fibrous serpentinite. Fibres run perpendicular to fracture planes. This serpentinite is slightly expanded and extends a millimetre or two above the core surface. Fractures run at 10° to core.	143	48.9	49.4	2	2	.001	.003	3862
49.40	56.60	<u>Pyritic, Serpentinized, Marble Breccia:</u> highly brecciated white to light grey massive to intraclastic marble, 2% - 20% pyrite. 50% matrix, 50% clasts. matrix is a highly contorted mixture of a dark, indigo blue serpentinite (and brucite?). A olive green serpentinite, in places very prevalent with small, fibrous fractures like those in the section <u>48.90 - 49.40</u> ; and fine to medium grained pyrite-magnetite and chalcopyrite. Also some fine grained biotite. Overall 7% pyrite-magnetite, 1% chalcopyrite. Magnetite usually occurs as rims around the pyrite as seen before. Marble clasts are generally	144	49.4	50.4	1	1	.003	.002	1109
			145	50.4	51.4	1	2	.002	.002	3080
			146	51.4	52.4	1	1	.005	.002	1175
			147	52.4	53.4	1	1	.002	.001	837
			148	53.4	54.4	1	1	.005	.003	3522
			149	54.4	55.4	1	1	.002	.003	1861
			150	55.4	56.6	2	1	.02	.003	1128

**KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD**

Page 6

Property: CASH

Hole No.: C90-13

Location: CASH 2 CLAIM

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
66.30	66.50	<u>Fault Zone:</u> light green, calcareous, phyllitic gouge. Shearing cuts core @ 60°. Slickensides run at roughly 60° to long axis.	158	66.3	66.5	4	1	.01	.05	251
66.50	78.80	<u>Marble:</u> light grey to light indigo blue intraclastic to round-clast breccia marble. Texture is very gradational and faint. Occasional pyritic, hornfels section. Pyrite has magnetite rim as before (00159). Minor pyrite-magnetite in stringers in the marble. Moderate lime-green serpentinite. Intraclastic fabric at 45 - 60°.	159	70.2	70.5	1	2	.02	.002	220
78.80	79.80	<u>Hornfels:</u> as above. Minor pyrite.	160	78.8	79.8	2	1	.007	.002	154
79.80	82.00	<u>Marble:</u> white to light blue massive to intraclastic marble. 1 - 2% pyrite-magnetite in irregular patches and stringers. Occasional vugs.	161 162	79.8 81.0	81.0 82.0	2 1	2 1	.02 .01	.001 .001	22 18

END OF HOLE.

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No.: C90-14

Location: Cash 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
28.60	29.90	<u>Marble, Pyritic</u> in part: white intraclastic-mottled marble with 3% pyrite in thin (1mm - 3mm) contorted, anastomosing stringers which highlight the intraclastic-mottled texture. Minor magnetite. Occasional vug. Very minor serpentinite.	166	28.6	29.9	1	0	.01	.001	21
29.90	35.00	<u>Marble:</u> as 17.00 - 28.60. Occasional pyrite-magnetite filled fracture. Occasional hornfelsic section. Moderate green to indigo blue serpentinization								
35.00	45.30	<u>Pyritic Silicified, Dolomitized?</u> M a r b l e : white to light yellow massive to brecciated marble. Has a brittle, crackly fracture, slightly silicified? Brecciated sections are finely brecciated with 2% - 8% matrix of fine grained euhedral pyrite with some magnetite. Brecciated sections grade in and out of sections with just the occasional s y g m o i d a l pyrite stringer (stylolite?). Yellow colour and perhaps silicification, becoming less pronounced downwards. More pyritic sections at <u>41.00 - 43.00</u> , (00173, 00174). Little or no s e r p e n t i n i t e . Fracture set @ 35° to core is prevalent over top three metres. Occasional vug , bottom 2 metres. Same zone as 52.40 - 66.40 in C90-7.	167	35.0	36.0	1	0	.001	.005	6
			168	36.0	37.0	2	0	.003	.01	2
			169	37.0	38.0	1	2	.001	.004	11
			170	38.0	39.0	1	0	.001	.004	3
			171	39.0	40.0	2	1	.002	.007	15
			172	40.0	41.0	1	0	.002	.01	6
			173	41.0	42.0	3	4	.01	.02	56
			174	42.0	43.0	1	2	.01	.03	29
			175	43.0	44.0	1	1	.004	.02	8
			176	44.0	45.3	2	1	.01	.03	16

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Page 4

Property: CASH

Hole No.: C90-14

Location: Cash 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
		filled fracture.								
		Samples as follow:								
		00185: <u>70.00 - 71.00</u> , Hornfelsic section;	185	70.0	71.0	1	0	.001	.004	86
		00186: <u>72.00 - 73.00</u> , Hornfelsic section;	186	72.0	73.0	1	0	.001	.004	296
		00187: <u>78.30 - 78.60</u> , Fine grained disseminated grossular?;	187	78.3	78.6	1	0	.002	.002	266
		00188: <u>85.00 - 86.00</u> , Marble with honey coloured stringers;	188	85.0	86.0	3	1	.001	.001	29
		00189: <u>88.20 - 88.50</u> , Marble with honey coloured stringers;	189	88.2	88.5	1	1	.005	.001	27
		00190: <u>90.00 - 91.00</u> , 2% pyrite-magnetite in anastomosing stringers;	190	90.0	91.0	1	1	.01	.001	245
		00191: <u>98.00 - 99.00</u> , Hornfelsic section;	191	98.0	99.0	1	0	.001	.001	25
		00192: <u>100.00 - 101.30</u> , Highly biotitic section;	192	100.0	101.30	1	0	.002	.003	78
		00193: <u>109.40 - 109.70</u> , 2cm irregular band with pyrite-magnetite and fine grained brown mineral @ 25° to core;	193	109.4	109.7	1	1	.006	.001	18
		00194: <u>57.00 - 58.00</u> , Marble with moderate serpentinite;	194	57.0	58.0	1	0	.001	.003	21
		00195: <u>58.00 - 59.00</u> , Marble with moderate serpentinization;	195	58.0	59.0	1	0	.002	.007	8
		00196: <u>60.00 - 61.00</u> , Biotitic, round-clast breccia marble;	196	60.0	61.0	1	0	.002	.005	125
		00197: <u>63.00 - 64.00</u> , Biotitic, contorted marble.	197	63.0	64.0	1	0	.002	.002	55

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Page 5

Property: CASH

Hole No.: C90-14

Location: Cash 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
111.20	112.20	<u>Syenite</u> : medium pink porphyritic syenite. Abundant mariolitic cavities. 1% pyrite. Cuts core @ 80°.	198	111.2	112.2	1	0	.001	.001	276
112.20	126.70	<u>Marble</u> : highly variable texture, massive to biotitic round-clast breccia to mottled. Light grey throughout. Section <u>119.80 - 120.40</u> is very finely bedded with very faint, broadly curving bands, cut core @ 70°. Minor pyrite-magnetite throughout in fractures and stringers, also in stylolites? Contact with syenite @ 80°.	199	119.7	120.7	1	1	.01	.001	34
126.70	127.70	<u>Syenite</u> : medium pink porphyritic syenite. Differs from most other syenites seen in that it is only 10% phenocrysts. Minor pyrite in fractures.	200	126.7	127.7	1	0	.001	.001	158
127.70	155.15	<u>Marble</u> : light grey. Mostly biotitic, round-clast breccia with some short (1 metre) intervals of massive and intraclastic marble. Minor pyrite-magnetite in fractures and stringers. Section <u>141.30 - 142.30</u> (00201) is a crackle breccia with 5% pyrite-magnetite in disseminated patches and thin stringers. Bottom two metres is mostly	201 202	141.3 142.3	142.3 143.7	7 1	0 0	.003 .001	.003 .002	158 49

**KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD**

Property: CASH

Hole No.: C90-15

Location: CASH 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
		occur in thin (2mm) bedding parallel bands (00216). Hornfels section average 50cm, 20% of interval.	216	39.0	40.0	1	0	.001	.002	116
			217	40.0	41.0	1	0	.001	.003	84
			218	41.0	42.0	1	0	.001	.002	42
			219	42.0	43.0	1	0	.001	.002	284
43.00	54.30	<u>Bedded Marble and Hornfels:</u> as above but with no gossensous patches and only very minor pyrite-magnetite, mostly in hornfelsic sections. Hornfelsic sections average 50cm, comprise 30% of interval. Bedding at: 50° @ 46.00; 55° @ 50.00m. Bedding becoming less defined downward.								
54.30	62.80	<u>Marble and Hornfels:</u> highly contorted mixture of intraclastic to round-clast breccia marble and biotitic hornfels. Marble sections grade in and out of hornfelsic sections. Minor fine grained pyrite in fine grained biotite-calcite matrix of round-clast breccia. 20% hornfels. Moderate serpentinite throughout. Marble is mostly light grey.								
62.80	66.00	<u>Marble, with 3% Pyrite-Magnetite:</u> very contorted texture of intraclastic to round-clast breccia with 3% pyrite-magnetite. Fine grained biotite-calcite matrix of the round-clast breccia and in fractures and in small patches disseminated within the marble.	220	62.8	64.0	1	0	.001	.003	87
			221	64.0	65.0	1	0	.001	.002	41
			222	65.0	66.0	2	0	.001	.002	49

**KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD**

Property: CASH

Hole No.: C90-15

Location: CASH 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
		Moderate lime green serpentinite throughout. Magnetite occurs as rims around the pyrite.								
66.00	67.10	<u>Marble with 35% Pyrite:</u> light grey-blue marble, mottled and very contorted, with 35% pyrite. Pyrite occurs in distinct, spherical aggregates disseminated throughout, average 3mm in diameter. Pyrite is very fine grained. Minor magnetite, no magnetite rims like above. Sediments were clearly very disturbed when soft, bioturbated?? Minor serpentinite.	223	66.00	67.10	1	1	.003	.007	171
67.10	74.10	<u>Marble, with 2% Pyrite:</u> very similar unit to 62.80 - 66.00. Light grey intraclastic to round-clast breccia marble with fine grained biotite-calcite pyrite matrix, 2% pyrite, with some magnetite. Pyrite occurs mostly in biotitic matrix. Moderate serpentinite. Minor hornfelsic patches.	224	67.1	68.1	1	0	.001	.002	24
			225	68.1	69.1	1	0	.001	.006	238
			226	69.1	70.1	1	0	.001	.002	36
			227	70.1	71.1	1	0	.001	.003	94
			228	71.1	72.1	3	0	.001	.005	473
			229	72.1	73.1	1	0	.001	.004	110
			230	73.1	74.2	1	1	.001	.001	10
74.10	113.70	<u>Marble:</u> light grey marble of mostly intraclastic to round-clast breccia as seen above. Rare hornfelsic section, (50cm). Some light grey mottled section. Minor serpentinite in	231	84.0	85.0	1	0	.001	.001	41
			232	108.0	109.0	2	1	.007	.001	34
			233	112.7	113.7	1	0	.001	.001	2
			234	113.7	114.7	1	0	.001	.001	23

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No.: C90-15

Location: CASH 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
		irregular patches and along fractures throughout. Minor pyrite. Some bedded sections, bedding at: 40° @ <u>95.00</u> ; 80° @ <u>110.00</u> . More pyritic sections sampled, up to 1% pyrite.								
113.70	122.70	<u>Marble with 2% - 15% Pyrite:</u> light grey intraclastic to mottled to round-clast breccia with 10% to 15% pyrite. Pyrite occurs almost exclusively in the matrix of the round-clast breccia and in the mottled sections. Matrix of the round-clast breccia is much lighter than before, light honey in colour instead of dark brown. As before, pyrite occurs in irregular spheroid aggregates, averaging 5 - 10mm. Some minor pyrrhotite.	235	114.7	115.7	1	0	.001	.001	7
			236	115.7	116.7	1	0	.002	.001	18
			237	116.7	117.7	1	0	.002	.001	9
			238	117.7	118.7	1	0	.001	.001	16
			239	118.7	119.7	2	0	.001	.001	24
			240	119.7	120.7	2	0	.001	.001	36
			241	120.7	121.7	1	0	.001	.001	9
			242	121.7	122.7	1	1	.005	.002	138
122.70	130.00	<u>Massive Marble with Pyritic Fractures:</u> massive white to light grey marble with 1% to 7% pyrite-magnetite-pyrrhotite. Section is very coarsely brecciate/fractured (section up to 1 metre of solid marble) with fractures filled almost exclusively with pyrite-magnetite and in places pyrrhotite. Some fractures filled with light coloured fine grained biotite-pyrite. Minor vugs.	243	122.7	125.7	1	0	.002	.001	10
			244	123.7	124.7	1	0	.003	.001	7
			245	124.7	125.7	1	0	.001	.001	3
			246	125.7	126.7	1	0	.001	.001	78
			247	126.7	127.7	1	0	.002	.001	97
			248	127.7	128.7	3	0	.003	.001	241
			249	128.7	130.7	1	0	.003	.001	3

**KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD**

Property: CASH

Hole No.: C90-15

Location: CASH 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
130.00	136.90	<u>Massive Marble:</u> as above with only minor pyrite-magnetite filled fractures, most fractures filled with very light coloured, very fine grained biotite?-pyrite. Some intraclastic sections.								
136.90	139.10	<u>Massive Marble with Pyritic Fractures:</u> as above with 2% pyrite.	250	136.9	138.0	1	0	.002	.001	9
			251	138.0	139.1	1	0	.002	.001	10
139.10	151.60	<u>Marble:</u> mostly white to light grey massive to intraclastic marble. Very minor pyrite-pyrrhotite along fractures. Section 146.90 - 147.60 has 10% pyrite, along with a patch of light tan green talcos(?) marble with pyrite with an indian red coloured rim.	252	146.9	147.6	1	1	.02	.001	23
			253	150.6	151.6	1	0	.002	.001	20
151.60	159.70	<u>Marble with up to 30% Pyrite:</u> very similar to section 113.70 - 122.70. As before, the pyrite occurs in the more mottled sections as irregular, spheroid to chainlike aggregates. Section 151.60 - 152.00 has 10% pyrite, 10% pyrrhotite in a large fracture running at 10 - 20° to core. Some of the matrix material is slightly talcos, slightly marly.	254	151.6	152.0	1	0	.001	.003	751
			255	152.0	153.0	2	1	.004	.002	63
			256	153.0	154.0	1	3	.03	.001	31
			257	154.0	155.0	2	1	.004	.001	26
			258	155.0	156.0	1	0	.001	.001	7
			259	156.0	157.0	3	1	.006	.001	24
			260	157.0	158.0	8	1	.002	.001	21
			261	158.0	159.0	1	1	.006	.001	22
262	159.0	159.7	1	0	.001	.001	16			
159.70	163.20	<u>Marble:</u> light grey to white intraclastic to brecciated/mottled marble. Very minor pyrite-magnetite								

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No.: C90-16

Location: CASH 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
		clasts, 20% matrix. Minor red iron staining(?), scapolite(?), at <u>14.50</u> (00266). <u>18.50 - 19.00</u> (00200) vugs with minor pyrite, abundant matrix material.								
25.80	57.50	<u>Intraclastic to Brecciated Marble:</u> light to medium grey intraclastic to brecciated marble. Very rare massive section. General trend downward toward darker grey (more argillaceous?) marble in which the intraclastic-brecciated fabric is better defined, throughout both are similar colour and grain size. White radiating calcite aggregates are common but generally are smaller. Rare calcite filled fracture. Breccia matrix in section <u>42.00 - 48.00</u> is a very light tan colour, similar to section above. Without exception the breccia is completely consolidated. In brecciated sections, clast-matrix boundaries are slightly round but not gradational. Texture grades into unit below but lacks pyrrhotite lenses.	268	32.0	33.0	1	0	.001	.001	5
			269	42.0	43.0	3	0	.001	.001	9

**KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD**

Property: CASH

Hole No.: C90-16

Location: CASH 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
57.50 - 63.50		<u>Brecciated Marble with Pyrrhotite</u> <u>Lenses:</u> light to medium grey, argillaceous marble breccia with a light grey calcareous to a light tan siliceous matrix. Oblong lenses of pyrrhotite, 1mm to 5cm long, occur throughout this interval. At most comprising 1% of the rock. Most lenses occur within the matrix material but there is the occasional one within the clasts. General decrease downward in abundance and size of the lenses. Breccia clasts are more polygonal than seen in other drill holes, and are always rimmed by a 1 to 5mm boarder of white calcite. Very fine grained disseminated pyrite is prevalent in the darker grey, more argillaceous sections. Section <u>61.00 - 61.50</u> has light tan, siliceous matrix. Thin (2cm) gouge zones at <u>62.80</u> , cuts core at 70 - 90°.	270	57.5	58.5	2	0	.001	.001	41
			271	58.5	59.5	2	0	.001	.001	36
			272	59.5	60.5	1	0	.001	.001	6
			273	60.5	61.5	1	0	.001	.001	18
			274	61.5	62.5	2	0	.001	.001	28
			275	62.5	63.5	2	0	.002	.003	37
63.50 - 69.00		<u>Argillaceous Limestone with Pyrrhotite</u> <u>Lenses:</u> medium to dark grey argillaceous limestone (marble?) with small (1 - 5mm) pyrrhotite lenses and aggregates disseminated throughout some fine grained disseminated pyrite in the darker, more argillaceous sections. Laminations are visible but the bedding is highly contorted and broken, very	276	63.5	64.5	2	0	.001	.001	18
			277	64.5	65.5	1	0	.001	.002	38
			278	65.5	66.5	4	0	.001	.001	19
			279	66.5	67.5	3	0	.001	.001	60
			280	67.5	69.0	2	0	.001	.001	19

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

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Property: CASH

Hole No.: C90-16

Location: CASH 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
		chaotic. Not a breccia, but an interval of contorted bedding. Pyrrhotite averages 1% ±. Thin (4cm) gouge zone at 64.40 cuts core at 50 - 60°. Section 67.00 - 67.40 is light cream green colour, silicified?								
69.00	- 72.50	<u>Laminated Argillaceous Limestone:</u> dark grey argillaceous limestone with very fine light and dark laminations. Bedding is slightly undulatory and in places broken and boudinaged cuts core @ 35 - 50°. 2% very fine grained disseminated pyrite, in places forming thin lams, rare pyrrhotite lamination.	281	69.0	70.0	1	0	.001	.001	19
			282	70.0	71.0	3	0	.001	.001	16
			283	71.0	72.5	7	0	.001	.001	14
72.50	- 89.00	<u>Argillaceous Limestone, Intraformational Breccia:</u> well developed intraformational breccia. Angular, rectangular, polygonal clasts of medium to dark grey laminated argillaceous limestone, ranging in size from 1 to 10cm, in a medium to light grey-brown matrix of argillaceous limestone. Clasts are usually bordered by a thin (3mm) light coloured rim. General trend downward towards a lighter grey-brown colour in both the clasts and matrix. 1% fine grained disseminated pyrite-pyrrhotite throughout. Rare small patch (2mm) of pyrrhotite. Some	284	72.5	73.5	1	0	.001	.001	12
			285	76.0	77.0	1	0	.001	.001	15
			286	79.0	80.0	1	0	.001	.001	34
			287	84.0	85.0	1	0	.001	.001	27
			288	88.0	89.0	3	0	.001	.001	23

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No.: C90-16

Location: CASH 2

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au	Ag	Pb	Zn	Cu
From	To		No.	From	To	ppb	ppm	%	%	ppm
		bedded sections, bedding @ 60 - 70°. Darker coloured limestone is slightly graphitic - carbonaceous.								
89.00	164.30	<u>Laminated Argillaceous Limestone:</u> finely laminated grey to light brown to white argillaceous limestone. 1% finely disseminated pyrite throughout, rare pyrrhotite filled fracture. General trend downward from grey-white laminations (89.00 - 117.00) to brown-white laminations (117.00 - 143.00) to brown-grey laminations. Bedding characteristics as follows: <u>89.00 - 94.00:</u> broadly folded, in places broken. Bedding tops slightly undulatory. <u>94.00 - 103.00:</u> bedding consistent at 50°, bedding tops planar. <u>103.00 - 117.00:</u> broadly folded, contorted and broken bedding. Bedding tops undulatory, occasional calcite filled fractures, bedding at 30 - 50° <u>117.00 - 122.00:</u> broadly folded bedding for most of this interval the bedding is parallel or sub-parallel to the core. <u>122.00 - 142.00:</u> mostly planar bedding with occasional contorted section. Some low angle, large scale cross bedding, (slumping?), calcite filled fractures throughout,	289	92.0	93.0	1	0	.001	.001	11
			290	97.0	98.0	1	0	.001	.001	12
			291	105.0	106.0	2	0	.001	.001	3
			292	112.0	113.0	1	0	.001	.001	16
			293	118.0	119.0	1	0	.001	.001	11
			294	130.0	131.0	1	0	.001	.001	17
			295	140.0	141.0	1	0	.001	.001	17
			296	151.0	152.0	1	0	.001	.004	13
			297	160.0	161.0	1	0	.001	.007	20

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: CASH

Hole No.: C90-17

Location: CASH 1

M E T E R A G E		D E S C R I P T I O N	S a m p l e			Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
From	To		No.	From	To					
		both predate and postdate the slumping. Occasional pyrrhotite in calcite fractures. Bedding at: 25° @ 29.00; 30° @ 34.00; 10° @ 39.00; 0° @ 44.50; 20° @ 55.00. Thin (3cm) gouge zone at 55.40, cut core at 45°.								
56.50	73.60	<p><u>Siliceous Breccia Zone:</u> a siliceous (silicified?), polymictic, mostly matrix supported breccia, completely consolidated. Matrix is light to dark brown to light green chalcedony, in places very slightly calcareous. Clasts are angular to sub-angular and range in size from 2mm to 15cm. Clasts are of two main types. A light brown to black, fine grained, siliceous type that has some faint relict bedding visible in the larger clasts, and a whitish, calcareous type that has 7% - 20% fine grained disseminated pyrrhotite and pyrite. Clast boundaries for the darker, siliceous clasts are generally sharp except in sections with a light green matrix when they tend to be gradational, as if the matrix was replacing the clast. Clast boundaries for the lighter, calcareous, pyrrhotiferous clast are usually gradational. Unit can be roughly broken down as follows: <u>56.50 - 57.60:</u> mostly calcareous</p>	305	56.5	57.6	10	0	.005	.01	14
			306	57.5	58.6	105	0	.001	.001	12
			307	58.6	59.6	10	0	.001	.001	14
			308	59.6	60.6	5	0	.001	.001	10
			309	60.6	61.6	5	0	.001	.001	10
			310	61.6	62.6	5	0	.001	.001	10
			311	62.6	63.6	10	0	.001	.001	9
			312	63.6	65.0	10	0	.001	.001	9
			313	65.0	66.	10	0	.001	.001	17
			314	66.4	67.5	10	0	.001	.001	25
			315	67.5	68.5	5	0	.001	.001	23
			316	68.5	69.5	10	0	.001	.001	37
			317	69.5	70.6	5	0	.001	.001	25
			318	70.6	71.6	5	0	.001	.001	44
			319	71.6	72.6	5	0	.001	.002	39
		320	72.6	73.6	5	0	.001	.001	27	
		321	73.6	74.6	5	0	.001	.001	27	

