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REPORT ON EIGHT DIAMOND DRIL	L HOLES	N N N N N N N N N N N N N N N N N N N	
CASH PROPERTY		-	
CASH 1,2,4 + 16 CLAIMS	3	S M	
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FT. STEELE MINING DIVIS East Wild Horse River Am		S E	
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N.T.S. 82G/11W		9 4	

LAT: 49° 44'N

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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 :	L7 inc	21.	•	•	. At	tached

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 [067.8 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 monzonitesyenite 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>	Dip
C90-10	5920 N	4150 E	090 ⁰	-50°
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 sympite 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.S.C., M.B.A., P.Eng.

The cove is stored at Kokance's exploration site at Crambrook 1.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 = $\frac{$130,750.34}{}$

ENCE STEPHENSON 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 Particularily N.T.S. 82G/11W

AFFIDAVIT

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

- 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:
- 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 .Sc//,M.B.A.,P.Eng.

- 5 -

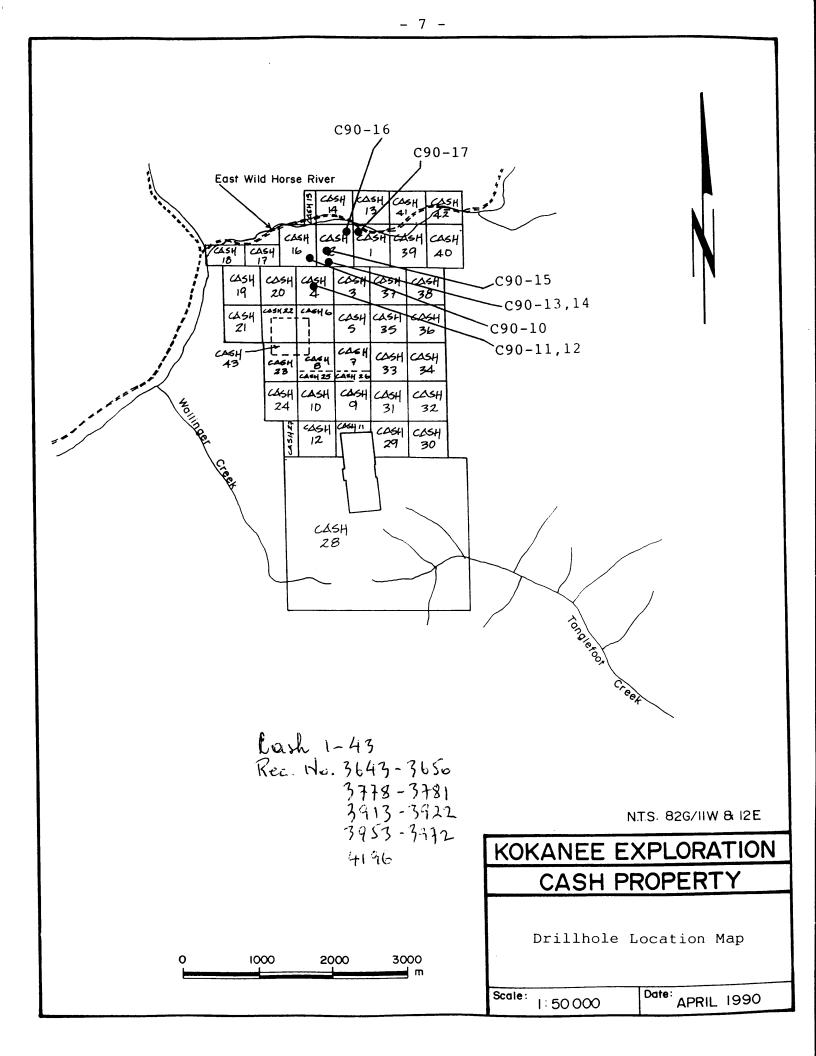
AUTHORS QUALIFICATION'S

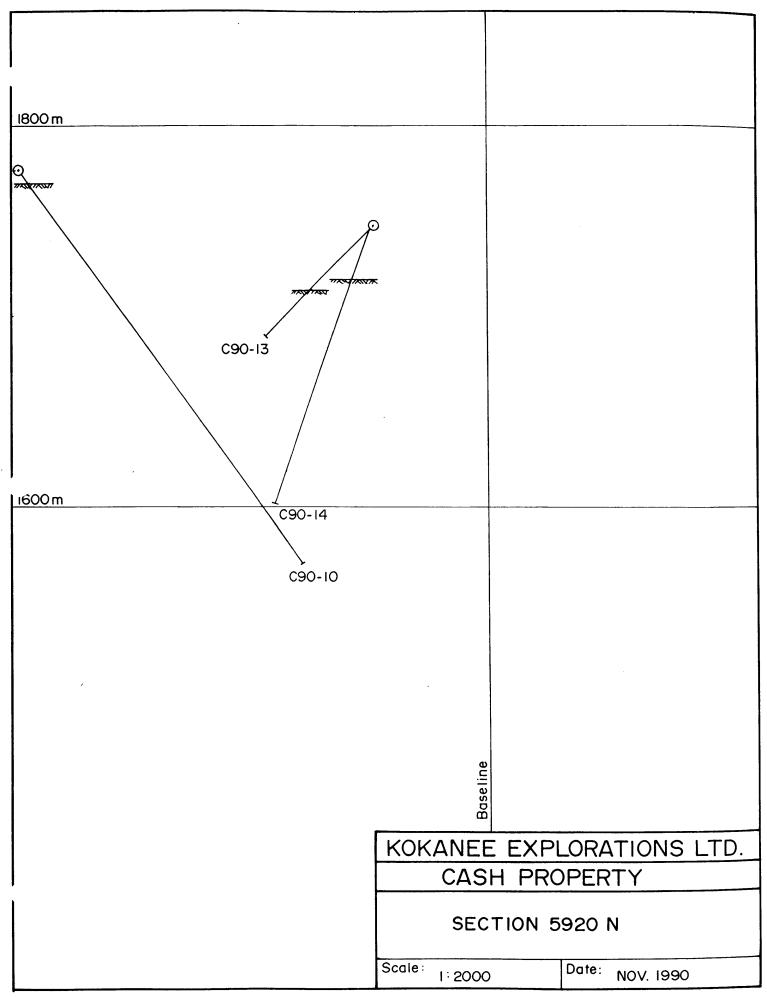
I, Laurence Stephenson, of Cranbrook, B.C., in the Province of British Columbia, do hereby certify that:

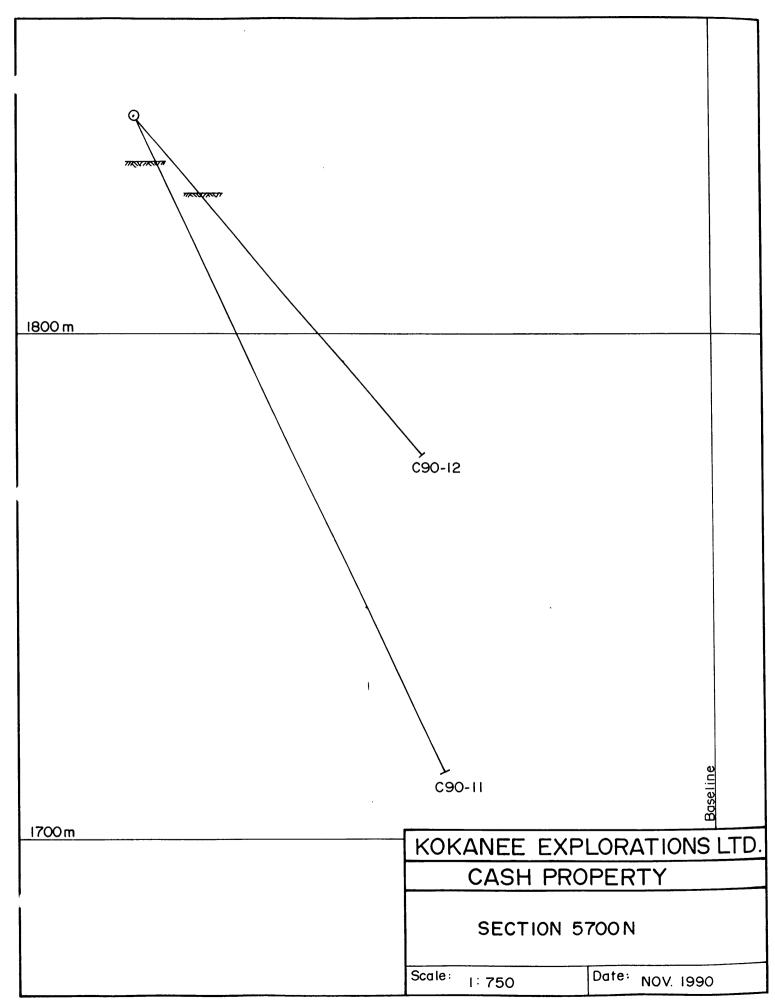
- 1. I graduated from Carleton University in 1975 with a Bachelor of Science degree in Geology then, in 1985, graduated from York University with a Masters of Business Administration.
- 2. I am registered as a Professional Engineer for the Province of Ontario (1981) and currently a member in good standing.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

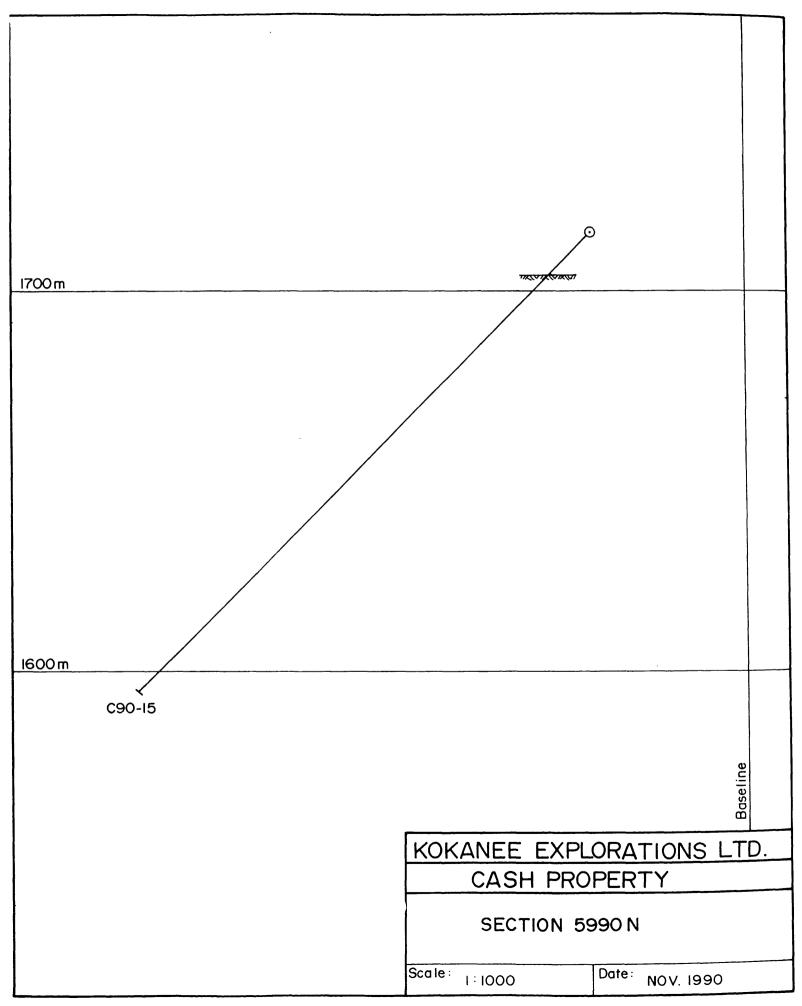
LAURENCE TEPHENSON B.Sc., M.S.A., P.Eng

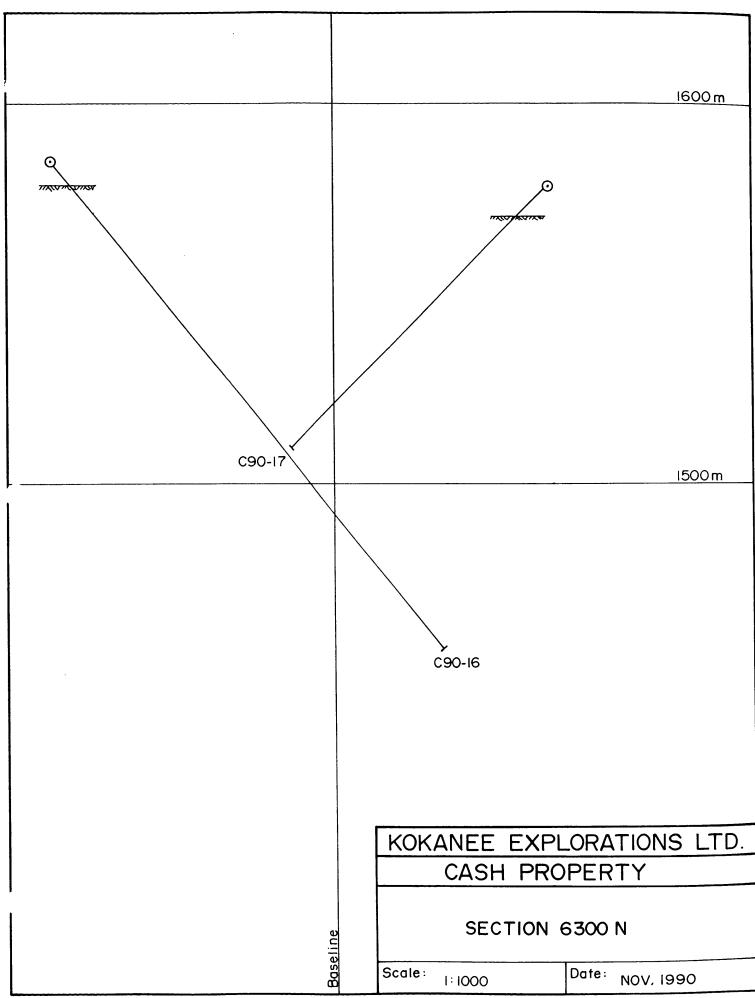
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- 11 -

DRILL HOLE RECORD

Page No. l

.

Name of Property: CASHCorr. Dip:Remarks:Hole No: C90-10Length: 255.7mLocation: Cash 16/Ft. Steele M.D.
5957N + 4150EStart date: July 27/90Finish date: August 4/90Elevation: 1769mAzimuth: 090°Collar Dip: -50°Core Size: HQTests at: 50° @ 0', 55° @ 255.7mLogged by: G.D.P.Date: Aug./90

METERAGE	DESCRIPTION	Sample					
From To		No. From To	Au	Ag	Pb	Zn	Cu
0.00 - 4.00	<u>Overburden</u> .		<u>daa</u>	mqq	<u> </u>		m
4.00 - 37.00	<u>Ouartzite</u> : light green, fine grain quartzite. Very broken ground, abundant rounded core. 70% recovery.						
37.00 - 45.00	Marble: light grey to light indigo blue. Lacework intraclastic texture. Bedding(?) @ 45°. Abundant serpentinization in patches and along fractures. Occasional short patch of broken quartzite. Very broken core, 80% recovery. Very minor pyrite, with magnetite rims.						
45.00 - 51.00	<u>Quartzite</u> : as before, very broken and rubbly core. Quartzite slightly calcareous.						
51.00 - 52.30	<u>Marble</u> : as before, 100% recovery below 52.30m.						

KOKANEE E DRILL HOE	XPLORATIONS LTD. E RECORD						Page 2	2	
Property: CASH	Hole No. C90-10					Lo	cation:	Cash l	6 Claim
METERAGE From To	DESCRIPTION	S No.	ampl From		<u>_</u>		Pb		
52.30 - 58.50	Hornfelsic Marble: 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	<u>ppb</u> 3	<u>ppm</u> _0	9.001	8	a ppus
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 ⁰ - 30 ⁰ . 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 @ <u>64.60</u> . Contact with monzonite @ 75° <u>+</u> .		63.4	64.4	1	0		0.001	
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.		65.4	66.2	1	0	.005	.002	45

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Page 3

Property: CASH	Hole No. C90-10					Lc	cation:	Cash 10	5 claim
METERAGE From To	DESCRIPTION	No.	<u>5 a m p l</u> From	<u>е</u> То	Au	Ag	Pb	Zn	Cu
66.15 - 67.20	<u>Hornfelsic Marble</u> : alternating sections of hornfels and marble. Mottled texture.					m	<u> </u>	<u> </u>	« ppm
67.20 - 72.10	<u>Marble</u> : light grey intraclastic marble. Intraclastic texture at 10 - 20 ⁰ to core. Minor serpentinite stringers. Minor hornfelsic patches. Bottom contact @ 40 ⁰ .								
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	Marble: 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 ⁰ .	54	74.2	74.7	4	0	0.001	0.002	4

Property: CASH	Hole No. C90-10					Loc	ation:	Cash 16	Claim
		-							
<u>1ETERAGE</u> From To	DESCRIPTION	No.	<u>ampl</u> From	<u>е</u> То	Au	Ag	Pb	Zn	Cu
1011 10		NO.	FLOM		_ nu dqq	ng maa	8		1 bon
78.30 - 79.40	<u>Marble</u> : light grey with biotitic- serpentinite bands as <u>73.30 - 74.20</u> . Cut core @ 10 ⁰ . Bottom contact gradational @ 10 ⁰ .				<u></u>	- <u></u>		<u> </u>	- [[
79.40 - 83.30	<u>Hornfels</u> : as <u>74.20 - 78.30</u> .	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.		85.5	86.5	1	0	0.001	0.002	20
86.50 - 90.40	Granite(?): 67% - plagioclase; 15% -	4	86.5	87.5	3	0	0.001	0.001	73
	orthoclase; 10% - guartz; 5%-hornblend	5	87.5	88.5	1	0		0.001	
	and mica; 3% - pyrite. Medium grained		88.8	89.5	1	0	0.001		
	equigranular. Top metre has some hornfels contamination. 10cm gouge zone @ <u>88.40</u> , cuts core @ 25 ⁰ . Bottom 50cm is more syenitic. Higher concentration of pyrite at transition zone to syenite.	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	

<u>KOKANEE E</u> DRILL HOL	XPLORATIONS LTD. E RECORD						Page 5		
Property: CASH	Hole No. C90-10					Lo	cation:	Cash 16	Claim
METERAGE From To	DESCRIPTION	S No.	ampl From	<u>е</u> То	Au	Ag	Pb	Zn	Cu
95.50 - 98.60	Marble: light indigo blue colour, brucite? Mottled texture with some short hornfelsic sections. Moderate serpentinization, bedding parallel? @ 55°. Very minor disseminated pyrite.			-		m <u>q</u>			æ ppm
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	Altered Granite(?): feldspar rich section in the hornfels. Very mottled, crystal faces not discernable. 5% pyrite, oxidized. Top and bottom contacts are gradational.		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>Svenite</u> : medium pink porphyritic syenite. Euhedral, zoned phenocrysts. Abundant mariolitic cavities. Minor pyrite.	10 11	105.0 106.0	106.0 106.8	1 1	0 0	0.001 0.001		

Property: CASH

: CASH Hole No. C90-10

METERAGE	DESCRIPTION	ຣ	ampl	e					
From To		No.	From	То	Au	Ag	Pb	Zn	* bpm
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 13	106.8 107.5	107.5 108.2	<u>ррb</u> 2 3	<u>ррт</u> 0 0	% 0.001 0.001	8 0.002 0.002	501
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

DRILL HOL	E RECORD						Page 7		
Property: CASH	Hole No. C90-10					Lc	cation:	Cash 16	6 Claim
METERAGE	DESCRIPTION		Sampl						
From To		No.	From	То	^{Au}	Ag	Pb	Zn %	Cu
	Hornfels-marble contacts @ $35 - 45^{\circ}$. <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.				<u>dqq</u>	<u> </u>	3		æ ppm
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		
133.70 - 136.50	Hornfels: as before, with some plagioclase contamination <u>134,30</u> 134,50. 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		

•

Property: CASH

Hole No. C90-10

Location: Cash 16 Claim

METERAGE	DESCRIPTION	No.	ampl	<u>е</u> То	Au	Ag	Pb	Zn	Cu
From To		NO.	From		Au ppb	ppm	Р.5 9к		15 boh
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	Pyritic, Biotitic Marble: 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 ⁰ to core. Light grey in colour.	22	138.1	138.3	1	0	0.001	0.001	101
138.30 - 142.80	Marble with Pyritic Sections: light	23	138.3	139.3	1	0	0.001	0.001	18
130.30 142.00	grey-blue. Intraclastic to round-clast	24	139.3	140.3	1 2	0	0.001	0.001	22
	breccia. Some short (10cm) biotitic-	25	140.3	141.3	ī	Ō	0.001	0.002	202
	pyritic sections like <u>137.50 - 138.10</u> . 2 - 3% pyrite overall. Minor serpentinization. Bottom contact @ 55°.	26	141.3	142.8	ī	0	0.001	0.002	136

Property: CASH Hole No. C9

Page 9

Location: Cash 16 Claim

METERAGE	DESCRIPTION	S	ampl	e					
From To		No.	From	То	_ Au	Ag	Pb	Zn	Cu
					daa	ppm		<u> </u>	s ppm
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	Marble: white to light grey intraclastic	28	143.0	144.0	2	0	0.001	0.002	137
	marble with minor pyrite. 5cm of 30% pyrite@ <u>144.10</u> . Minor serpentinization.		144.0	145.0	2 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 ⁰ .	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 -</u> <u>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 HO		

Property: C	AS	SH
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Location: Cash 16 Claim

METERAGE	DESCRIPTION	5	ampl	е					
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
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°.		157.1	157.2	<u>ppb</u> 1	<u>ppm</u> 0	<u>%</u> 0.001	<u>%</u> 0.001	209 pp/m 209
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	Bedded Marble: 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		194.5	195.5	2	1	0.002	0.001	27

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Property: CASH

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Location: Cash 16 Claim

METERAGE	DESCRIPTION		a m p l						
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
	disseminated pyrite throughout, slightly more in more biotitic sections. Unit as a transitional zone between units above and below.				<u>לממ</u>	<u>mqq</u>	8	<u> </u>	Е. ррт
195.50 - 199.80	<u>Mottled, Pyritic Marble</u> : light grey mottled/contorted/brecciatedmarblewith l% pyrite in irregular, contorted	36 37 38	195.5 196.5 197.5	196.5 197.5 198.5	2 4 2	1 1 3	0.004 0.001 0.007	0.001 0.001	13 19
	stringers and small disseminated patches. Very similar to section 31.80 - 68.00 in C90-9. Disturbed sediments. Very rare open vug.	39	198.5	199.8	2	1	0.005	0.001	41
199.80 - 208.00	Mottled Marble with Pyritic Hornfels:	40	199.8	200.0	1	1	0.005	0.003	158
	similar mottled/contorted/brecciated texture as above but with several short biotitic-hornfelsic sections with up to 10% pyrite. Hornfelsic-pyritic sections sampled.	41	204.0	205.0	1	1	0.002	0.003	15
208.00 - 252.80	Mottled Marble: similar light grey	42	217.5	218.5	3	1	0.002	0.001	4
	mottled/contorted/brecciated texture as	43	218.5	219.5	1	0	0.001	0.001	5
	195.50 - 199.80. Alternating sections	44	219.5	220.5	4	1	0.002	0.001	25
	(1 - 3m) with and without light honey	45	223.5	223.9	3	2	0.01	0.001	11
	coloured stringers/matrix. Some sections	46	225.5	226.5	3	1	0.003	0.001	7
	with 1 - 2% pyrite as 195.50 - 199.80	47	226.5	227.5	2	1	0.002	0.001	8
	sampled. Occasional open vug. Very	48	227.5	228.5	2	1	0.005	0.001	17
	minor serpentinization. Vuggy section -	49	228.5	229.5	2	1	0.004	0.001	11
	<u>239.30 - 240.20</u> . Bottom 10 metres contains some sections with a round-clast breccia texture.	50	239.5	240.2	1	0	0.001	0.001	5

Hole No. C90-10

Property: CASH	Hole No. C90-10		Lo	cation	: Cash	16 Claim	
METERAGE From To	DESCRIPTION	Sample No. From To	Au ppb	Ag ppm	Pb	Zn	Cu
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°.			<u><u> </u></u>			. (p
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 ⁰						

END OF HOLE AT 255.7 METERS

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DRILL HOL	E RECORD					Page	No. 1			
Name of Property:	CASH	Corr. Dip: H.Q.				Remarks:				
Hole No: C90-11		Length: 143.0m								
Location: CASH 4/Ft. Steele M.D. Start Date: Augus		5, 19	90		Finish Dat	e: Aug	ust 7,	1990		
5683N + 4286E Elevation: 1843m Azim		Azimuth: 090 ⁰				Collar Dip	: −65°			
Core Size: H.Q.		Tests at: -70° at	121.6	m		Logged by:	G.D.P	. Date	: Augus	t 8/90
METERAGE	DESCRIP	TION		amp						
From To			No.	From	То	Au ppb	Ag ppm	Pb %	2n 	Cu ppm
0.00 - 10.00 10.00 - 14.50 14.50 - 23.50	marble, syenite a larger marble s banding @ 60°. <u>Hornfels</u> : light grained diopside biotite-K-spar h grained section h and brown biotitic irregular patches	ections have faint green fine to medium e-actinolite-calcite-	61		20.0		D	.001		1
23.40 - 25.60	grained porphyrit hornfels and marbl very broken and fracture set @ 10 %	pink, fine to medium fic syenite. 10% e xenoliths. Core is cracked. Prominent to 0° to core. Little er contact is coarsely		:24.0	2 <i>5</i> .0	2	٥	.002		

Hole No.: C90-11 Location: CASH 4 CLAIM Property: CASH Sample DESCRIPTION METERAGE Pb Cu Zn No. From То Au λq From To 8 8 ppm ppb ppm .004 Hornfels: as 14.50 - 23.40. Biotitic 63 26.0 27.0 0 .001 6 25.60 - 27.001 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. 28.0 3 0 .001 .001 6 27.0 27.00 - 27.70Syenite: as 23.40 - 25.60. Little or 64 no pyrite. Bottom contact is very sharp, @ 5° to core. .003 .001 1 Hornfels: as before, but slightly 65 32.0 4 0 31.0 27.70 - 34.20coarser grained and slightly more biotitic. Biotitic bands highlight a fabric @ 50°. Several small breaks/ faults: slikensided surface at 30.00, cuts core @ 20°; slikensides run @ 20° to long axis; 2cm gouge zone @ 31.30, cuts core (0.80°) ; 2cm gouge zone (0.34.00), cuts core @ 20^d. Bottom 20cm is more highly altered?, has a dirty brown colour. Bottom contact is coarsely broken core. 8 .001 .001 35.0 36.0 2 0 slightly rusty monzonite 66 Monzonite: 34.20 - 37.00with 5% pyrite. Very minor biotite. Core is coarsely broken and slightly rounded.

Page 2

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Page 3

Property: CASH

Hole No.: C90-11

<u>1 E T E R A G E</u> From To	DESCRIPTION	No.	ampl From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
7.00 - 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</u> - <u>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.		38 <i>.0</i>	38.4	- <u></u>	0	.003	.006	17
1.20 - 45.20	<u>Monzonite and Syenite</u> : symetrically 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.		44.2	45.2	3	0	.00 1	.001	15

Property: CF	ASH Hole	No.:	C9(0-11		Lo	ocation:	CASH	LAIM
METERAGE	DESCRIPTION	S	ampl	e					
From To		No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
45.20 - 53.50	Hornfels: 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.	70 71	45.2 50.0 53.2	46.2 51.0 43.5	3 		. 001 .001 .001	.004 .008 .006	29 4 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	Ø	. 00 1	.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		59.B	60.8	/	0	.001	.007	22

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DRILL HOLE RECORD

Property:		No.:		0-11		Lo	cation:	CASH 4	CLAIM
<u>METERAGE</u> From To	DESCRIPTION	S No.	ampl From	e To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
	crystalline calcite infilling cut core @ 15º to 35º. Contact with unit below is very sharp and jagged. Start of creamy- white calcite alteration.	1							
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 <u>61.00</u> - <u>61.20</u> 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?		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 <u>63.30 - 63.60</u> . Top contact @ 30 ⁰ , bottom contact @? Prominent fracture set @ 60 ⁰ . Some broken core.		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		67.0	68.0	1	0	.001	. 004	5

Page 5

CASH

Property:

Page 6

Location: CASH 4 CLAIM

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ETERAGE rom To	DESCRIPTION	No.	ampl From	e To	Au	Ag	Pb	Zn	Cu
	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°.				ppb	ppm	<u> </u>	<u> </u>	mqq_
3.00 - 68.50	Lamprophyre?: medium grained biotite- muscovite-calcite. Crystals randomly oriented. Cuts core @ 60 - 70°, contacts slightly gradational.		68.0	68.5	4	0	.001	.009	2
3.50 - 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?								
L.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.		73.0	74.0	8	0	.001	.00'2	4
5.40 - 77.00	<u>Marble</u> : medium grey intraclastic marble. Fabric @ 30 - 40 ⁰ .								
7.00 - 79.00	<u>Hornfels</u> : light green, mostly fine grained diopside-actinolite-calcite hornfels. Some intense lime green		77.0	78.0	/	0	,001	.002	Ž

Hole No.: C90-11

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Page 7

Property:	CASH	Hole No.:	C90-11
		_	

<u>METERAGE</u> From To	DESCRIPTION	No.	<u>ampl</u> From	<u>то</u>	Au	Ag	Pb	Zn	Cu
<u>10</u>	serpentinization, includes a faint blood-red mineral, iron stained serpentinite?				ppb	mqq	<u> </u>	<u> </u>	ppm
79.00 - 84.00	<u>Marble</u> : light grey intraclastic marble, some creamy white, brownish sections, some hornfels, serpentinized sections, intraclastic fabric @ 35 deg. Bottom contact quite broken, fault?								
84.00 - 88.00	<u>Hornfels</u> : mostly fine grained diopside- actinolite-calcite hornfels, minor muscovite and serpentinization, bottom contact @ 50 deg.		66.0	87.0	9	0	,001	, <i>00</i> [/
88.00 - 90.50	<u>Marble</u> : as above, intraclastic fabric @ 45 deg.								
90.50 - 92.00	<u>Hornfels</u> : as above.	81	91.0	92.0	/	0	.001	.001	1
92.00 - 97.20	<u>Marble</u> : light grey, massive to intraclastic marble with fairly strong lime green serpentinite in irregular patches and along fractures. Some biotitic sections.								

CASH

Property:

Page 8

Hole No.: C90-11

METERAGE	DESCRIPTION	Sa	ampl	e					
From To		No.	From	То	_ Au	Ag	Pb	Zn	Cu
		•	00.0	00 -	ppb	ppm	8	8	ppm
of med min abu sli Cal	<u>infels + Marble</u> : alternating sections hornfels sections contain abundant dium grained biotite and muscovite, hor amounts of rhodochrosite?, and undant serpentinite (00082). Hornfels ghtly darker green than usual. cite filled fractures @ 20 deg., hor pyrite.		99.3 100.3	100.3 101.3	1	0	,001 .001	. <i>004</i> . <i>C</i> 03	74 3
alt mar abo wit occ 102 pyr wor fra cor cle Cha alt dis ser	citic Marble and Hornfels: cernating sections of grey massive ble and medium green hornfels as ove but with 2-5% pyrite/magnetite, th minor chalcopyrite. Mineralization curs in thin veinlets, (3 cm vein @ 2.6 m cuts core and 20 deg., 80% tite and 1% chalcopyrite), in lace the of intraclastic texture and along actures running subparallel to the te. Magnetite rims the pyrite and is early an alteration of it. Copyrite also appears to be an ceration of the pyrite. Minor seminated ruby red ocher? Moderate pentinization, contact with syenite to deg.	86	101.3 102.3 103.3 104.3	102.3 103.3 104.3 105.4	4 3 3 4	1 0 1	.01 .02 .001 .01	.01 .005 .004 .005	664 476 433 814

DRILL HOLE RECORD

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Property: CASH

Hole No.: C90-11

METERAGE	DESCRIPTION	S	ampl	e	<u></u>				
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
105.40 - 143.00	Syenite and Monzonite: varying from medium pink porphyritic syenite to white, equigranular monzonite. In detail as follows: 105.4 - 114.0 - variable, grades between syenite and monzonite. 104.0 - 127.5 - monzonite becoming more equigranular, smaller grained and more biotitic downward. 127.5 - 133.2 - syenite, contact with monzonite is very sharp @ 30 deg to core. 133.2 - 140.0 - monzonite, porphrytic, light pink in color, grading downward into syenite. 140.0 - 143.0 - syenite, with minor monzonite patches. 5% fine grained disseminated pyrite throughout, slightly more in the more biotitic sections.	889 90 91 92 93 94 91 92 92 91 92 91 92 91	105.4 110.0 116.0 126.0 131.0 136.0 136.0 138.0	106.4 111.0 120.0 120.0 132.0 137.0 139.0 143.0	ppb 4 2 4 2 2 1 6 1		8 001 001 001 001 001 001 001 00	8 .002 .001 .001 .001 .001 .001 .001	ppm 160 33 94 14 6 9 309 55 142

DRILL HOLE RECORD

Page No. 1

Name of Property: CASH	Corr. Dip:	Remarks:
Hole No: C90-12	Length: 87.50m	
Location: CASH 4/Ft. Steele M.D.	Start Date: August 7, 1990	Finish Date:
5683N + 4286E Elevation: 1843m	Azimuth: 090°	Collar Dip: -50°
Core Size: H.Q.	Tests at: -57° @ 60.7 m	Logged by: G.D.P. Date: August 11,1990

DESCRIPTION METERAGE From To Sampl е | No From

<u>METERAGE</u> From To	DESCRIPTION	<u>No.</u>	From	To	_ Au	Ag	Pb	Zn	Cu
0.00 - 20.00	<u>Overburden</u> .				dqq	ppm	<u> </u>	8	mqq
20.00 - 31.20	<u>Hornfels</u> : light green fine to medium grained diopside-actinolite-biotite-K- spar hornfels. Very contorted fabric outlined by biotitic bands, occasional coarse grained biotite patch. Bottom 2 meters is coarser grained with up to 80% coarse grained biotite. Bottom Contact is 20cm of gouge?	102	24.0 30.2	25.0 31.2	3 Z	00	.00 1 .00 1	.003 .006	// /
31.20 - 34.60	<u>Marble</u> : light indigo blue intraclastic marble. Intraclastic fabric @ 70 - 80 ⁰ to core. Bottom contact is a fault, cuts core @?								
34.60 - 36.20	<u>Hornfels and Sinter</u> : fine to medium grain micaceous hornfels. Section includes interval <u>34,50 - 34.80</u> of angular quartz clasts in a matrix of creamy-white, brownish calcite-limonite-		34.6	35.6	2	0	.001	<i>_006</i>	Z

Page 2

Property: CASH

ETERAGE rom To	DESCRIPTION	No.	From	То	Au	Aq	Pb	Zn	Cu
					ppb	ppm	8	8	ppm
	siderite(?) similar to zone 60.80 - 61.60 in C90-11. <u>Sinter?</u> shearing @ 30 - 35°. Bottom of interval includes very								
	fine grain ruby-violet mineral as seen elsewhere and a set of calcite filled fractures cutting core @ 35 ⁰ , parallel to shear fabric. Hornfels have a								
	phyllitic sheen in the region of the fractures. Minor very fine grained ruby-violet mineral throughout hornfels section, along fractures.								
6.20 - 42.00	<u>Hornfels and Sinter</u> : as above with abundant sections of the same creamy- white, brownish calcite-limonite material, some of it is silicified? Section includes several sections with coarse gained K-spar and plagioclase. Light ruby-violet mineral throughout. Several short (50cm) marble sections. Sinter sections cut core @ 30°. Some serpentinization. Some fractures @ 20°.	105	37.5 40.4	38.5 41.4	2 /	0 D	.001 .001	.008 .006	
2.00 - 44.00	<u>Marble</u> : grey to yellow, intraclastic to round-clast breccia. Very broken core, fault running sub-parallel to core. Some fault breccia.								

Page 3

Property:	CASH Hole	No.:	C9	0-12		Lo	ocation:	CASH 4	CLAIM
METERAGE	DESCRIPTION		ampl						
From To		No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
44.00 - 49.40	<u>Hornfels</u> : mostly medium grained diopside-calcite-mica-K-spar hornfels. Lacks calcareous-silicious sinter seen in hornfels unit above. Fractures running @ 10 ⁰ to core, some with minor rust. Bottom metre is very broken, some unconsolidated mica-calcite patches.	106 107	40.4 46.6 48.9	41.4 47.6 49.4	 	0	.001 .001 .001	.006 .004 .005	15 32 13
49.40 - 51.00	<u>Micaceous Monzonite</u> : light coloured mixture of 50% muscovite and fine grained feldspar and quartz. Disseminated rusty patches throughout. Very broken core, abundant mariolitic cavities.	113	49.4 49.9		/ /	0 0	.002 .01	.006 .004	Z
51.00 - 52.00	<u>Hornfels and Syenite</u> : zone of hornfels, syenite and a medium grained, euhedral section of 50% K-spar, 50% hornfels minerals. Section of K-spar and hornfels is quite porous. Contacts between zones of hornfels and zones of syenite cut core @ 90°.		51.0	52.0	/	0	.001	.002	3
52.00 - 57.00	<u>Syenite</u> : medium to coarse grained. Occasional biotitic xenoliths. Very broken core, includes some gouge? Minor pyrite.		55.5	56.5	1	0	. 001	.002	90
57.00 - 57.80	<u>Hornfels</u> : fine grained diopside- calcite-actinolite hornfels. Very contorted texture. Little or no pyrite.								

Page 4

Property: C	CASH			
METERAGE	DF	SCR	грт	ION

Hole No.: C90-12

METERAGE	DESCRIPTION	Sa	mple	e				<u></u>	
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
57.80 - 60.70	<u>Syenite</u> : as above, some rusty fractures. Bottom contact @ 70°.	110	58.5	59.5	ppb Z	 <i>O</i>	% .001	% .001	<u>ppm</u> 25
60.70 - 73.00	<u>Hornfels</u> : light green diopside-calcite- mica-K-spar-actinolite hornfels. Fine	111	63.0 67.0	64.0 68.0	1	0	.001 .001	.002 .001	1
	to medium grained. Occasional medium grained micaceous patch. Occasional K- spar rich section, in places hornfels clasts are suspended in syenite. Bottom contact with marble @ 45°.					U	,		·
73.00 - 81.50	<u>Marble</u> : light grey intraclastic marble with fairly strong yellow to lime green serpentinization along fractures and in patches within the marble with gradational boundaries. Intraclastic fabric $(0, 50^{\circ})$ to core. Very broken core, abundant broken, clayey sections, faults(?) cut core $(0, 70, -45^{\circ})$. Hornfels section <u>79.50 - 80.00</u> .								
81.50 - 83.00	<u>Hornfels</u> : light green fine grained diopside-calcite-mica-plagioclase hornfels. Very broken core as above. Bottom contact is a fault? @ 20 ⁰ to core.		81.5	β3.O	/	0	.00	,003	30
83.00 - 84.80	<u>Marble</u> : light grey to light yellow (serpentinized?) intraclastic marble. Intense serpentinization. Intraclastic fabric @ 40 ⁰ .	1							

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Property:	CASH	Но	le No.:	C90	-12		Lc	cation:	CASH 4
METERAG	E DE:	SCRIPTION	S	ampl	e				
From To	·····		No.	From	To	Au ppb_	Ag ppm	Pb %	Zn %
84.80 - 85.80	white brow sinter(?) medium gu Sinter is filled w grained b very fine Unit cuts	Ad Altered Hornfels?: creamy whish calcareous and siliceous and a very fine grained reen serpentinized hornfels s fractured, with fracture ith calcite and very fir biotite(?) Minor amounts of grained ruby-violet mineral core @ 25 - 55°. Fracture se ular to trend of zone?	is ?? es ef	64.8	85.8	ŝ	0	.001	.004

<u>Marble</u>: light indigo blue intraclastic marble. Minor serpentinization along 86.80 - 87.50 fractures.

HOLE LOST AT 87.50.

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Location: CASH 4 CLAIM

Cu

14

ppm

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.	Start Date: August 10/90	Finish Date:
5920N + 4340E 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

From To		No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00 - 23.60	<u>Overburden</u> : no core.								
23.60 - 30.10	Interbedded Marble and Hornfels: 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 $@~60^\circ$ to core. Fault zone $@~27.8$, cuts core $@~25^\circ$. 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.	118 119 120 121 122 123	23,6 24,6 25,6 26,6 27,6 28,6 29,6	24.6 25.6 25.6 27.6 28.6 29.6 30.1	671132	/	.001 .005 .002 .002 .004 .01 .001	.001 .008 .001 .002 .001 .001 .001	38 59 189 18 28 21 21 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).		30 ,	31.1	/	2	.005	,005	145

Page 2

Property: CASH

METERAGE	DESCRIPTION	S	a m p l	e					
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
	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.				<u>ppb</u>	<u>p</u> pm		<u> </u>	
31.10 - 41.40	Marble with Pyritic Fractures: 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.	126 1278 1290 131 1333 134	31. 32. 0 34. 35. 35. 35. 35. 35. 39. 40.	32.1 53.1 34.1 35.1 36.1 37.1 38.1 39.1 40.1 41.1	221111111	 	. 002 .007 .001 .007 .004 .004 .004 .004 .006 .01 .02	,002 ,001 ,002 ,002 ,007 ,007 ,004 ,003 ,001	36 30

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Property: CASH	
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Hole No.: C90-13

From To		No.	From	To	Au	Ag	Pb	Zn	Cu
41.40 - 42.70	<u>Hornfels</u> : light green, fine grained diopside-calcite-biotite-muscovite hornfels. Micaceous bands @ 45 ⁰ to core. Minor pyrite.		41.4	42.7	<u>dqq</u> /	ppm O	<u>8</u> .00 Z	8 ,002	<u>ppm</u> 67
42.70 - 44.40	Pyritic, Hornfelsic Marble: 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.	137	42.7 43.1	43.7 44.4	2 4	/ Z	.0Z :07	.007. .003	571 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.	139 140 141 142	44.4 45.4 46.4 47.4 46.4	45.4 46.4 47.4 48.9 48.9		 	.006 .04 .006 .01 .006	.007 3.003 .002	121

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Property: CASH

Hole No.: C90-13

<u>METERAGE</u> From To	DESCRIPTION	No.	ample From	То	Au	Ag	Pb	Zn %	Cu mqq
48.90 - 49.40	Pyritic Serpentinite and Marble: 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 ⁴ to core.		48.9	49.4	<u>ppb</u> 2	ppm Z		,003	3862
49.40 - 56.60	Pyritic, Serpentinized, Marble Breccia: 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 48.90 - 49.40; 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	146 147 148 149 150	49.4 51.4 52.4 53.4 54.4 55.4	50.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4	/////2	12111	.003 .002 .005 .005 .005 .002 .02	- 002 -002 -007 -003 -003 -003	1175 837 3322 1861

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Property: CASH

From To		No.	From	То	Au	Ag	Pb	Zn	Cu
	angular but become slightly round and have gradational boundaries in areas with a more biotitic matrix. Very rare open vug. In the matrix the pyrite is not massive but occurs in contorted lacework stringers and irregular patches.				<u>dqq</u>	ppm	₹	<u>.</u>	<u>ppm</u>
6.60 - 62.40	<u>Brecciated to Intraclastic, Hornfelsic</u> <u>Marble</u> : white to light grey massive to intraclastic marble, in places coarsely brecciated with an indigo blue, serpentinite matrix as above but with only 1 - 2% pyrite, and in places mixed with a biotite hornfels in a highly contorted fabric. Intraclastic fabric at 35° . Some pyrite occurs within the more massive white sections in thin stringers. Very minor pyrite in the hornfels.	152 153 154 155 156	56.6 57.6 58.6 59.6 60.6 61.6	57.6 58.6 59.6 60.6 61.6 62.4	1252-4	0 0 0 1 0 1	.001 .004 .005 .15 .001 .05	.00/ .002 .002 .006 .007 .004	55 504 631 641 418 158
64.70	<u>Hornfels</u> : light green, fine grained diopside-calcite-biotite hornfels. Very porous and crumbly core. Little or no pyrite. Faint mottled texture outlined by biotitic stringers.		62.4	63.4	1	0	.001	.004	25
4.70 - 66.30	<u>Marble and Hornfels</u> : light grey intraclastic to round-clast breccia marble and hornfels as above. Very minor pyrite-magnetite.								

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Property: CASH	
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Hole No.: C90-13

<u>METERAGE</u> From To		No.	From	To	Au	Ag	Pb	Zn %	Cu
66.30 - 66.50	<u>Fault Zone</u> : light green, calcareous, phyllitic gouge. Shearing cuts core @ 60 ⁰ . Slickensides run at roughly 60 ⁰ to long axis.	158	<i>blo</i> .3	66.5	<u>ppb</u> 4	<u>ppm</u> /		.05	<u>ppm</u> 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°.		70.2	70.5	/	2	.02	.002	220
78.80 - 79.80	<u>Hornfels</u> : as above. Minor pyrite.	160	78.8	79.8	2	/	.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.	162	79.8 81.0	81. 0 82.0	2	2 1	.02 •01		22 18
	END OF HOLE.								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Page No. l

Name of Property: CASH	Corr. Dip:	Remarks:
Hole No: C90-14	Length: 155.15m	
Location: Cash 2/Ft. Steele M.D.	Start Date: August 12, 1990	Finish Date: August 16, 1990
5920N + 4340E Elevation: 1749.0m	Azimuth: 270°	Collar Dip: -70°
Core Size: H.Q.	Tests at: 70° at collar	Logged by:G.D.P. Date:

METERAGE DESCRIPTION Sample

From To		No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00 - 14.00	<u>Overburden</u> : no core.				<u>PP</u>	PPm			
14.00 - 17.00	<u>Rust Stained Marble and Gossen</u> : massive to intraclastic marble with very strong limonite staining, in places unconsolidated and gossenous (00165). Minor rusted pyrite in vugs in the few	164 165	14.0 15.0 16.0	15.0 16.0 17.0	2 3 1	001	.001 .001 .002	,00] .00] .00]	3 8 4
17.00 - 28.60	solid pieces of marble in the gossen. <u>Marble</u> : light grey to light indigo blue intraclastic marble. Very minor pyrite, occasional rusty fracture. Intraclastic fabric is highlighted by indigo blue serpentinite(?). More intense serpentinization section <u>26.50 - 28.60</u> . Patchy lime green serpentinite and fine grained, disseminated, specular blue serpentinite throughout. Intraclastic fabric @ 45 ⁰ . Occasional vug.								

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Property: CASH

Hole No.: C90-14

METERAGE	DESCRIPTION	S	ampl	e					
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
28.60 - 29.90	<u>Marble, Pyritic</u> in part: white intraclastic-mottled marble with 3% pyrite in thin (lmm - 3mm) contorted, anastomosing stringers which highlight the intraclastic-mottled texture. Minor magnetite. Occasional vug. Very minor serpentinite.	_	28.6	29.9	<u>dqq</u> /	O D		- % ,001	ppm 2/
29.90 - 35.00 35.00 - 45.30	<u>Marble</u> : as $17.00 - 28.60$. Occasional pyrite-magnetite filled fracture. Occasional hornfelsic section. Moderate green to indigo blue serpentinization <u>Pyritic Silicified</u> , <u>Dolomitized?</u> <u>M a r b l e</u> : white to light yellow massive to brecciated marble. Has a brittle, cra ckly fracture, slightly silicified? Brecciated sections are finely b r e c c i a t e d 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 1 pyrite stringer (stylolite?). Yellow colour and perhaps silicification, bec oming less pronounced downwards. More pyritic sections at <u>41.00 - 43.00</u> , (00 173, 00174). Little or no s e r p e n t i n i t e. Fracture set @ 35^0 to core is prevalent over top three metres. Occasional vug , bottom 2 metres. Same zone as 52.40 - 66.40 in C90-7.	1660123456	35.0 36.0 39.0 40.0 41.0 42.0 44.0 44.0	36.0 37.0 389.0 40.0 42.3 41.0 42.3 44.0 44.3 44.0 44.3	1211213112	0070-042-1	.00/ .003 .001 .001 .002 .01 .01 .01 .01	.007	6213566986

Property: CASH

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FromToNo.FromToAuAgPbZnCu45.30 - 53.20Marble, Silicified, Pyritic in part: alternating sections of light grey/blue intraclastic, serpentinized marble with 1% 46.317745.346.5/0.005.0/601% pyrite and sections of light yellow, solicified marble with pyrite; brecciated, vuggy sections as unit above. This section probably represents a transitional zone with units above and below. Vugs are more prominent in this section as unit above. Yellowish, silicified arche zones, up to 10%. Some core loss in vuggy zones. Pyrite occurs as thin, anastomosing, lacework stringers and as coatings on open vugs. Some minor breccia marble, with some short sections of hornfels and massive to intraclastic light indigo blue marble. Round-clast breccia sections have characteristic gradational clast-matrix boundaries. Matrix is very fine grained biotite- calcite-amphibole(?) - and very minor pyrite.No.FromToNo.ForCuNo.Port4.6.344.5/0.002.007.002.002.002.002.002.002.007.5911.6.5.0.6.5.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6.0.6.6 <td< th=""><th>METERAGE</th><th>DESCRIPTION</th><th>Sa</th><th>ample</th><th>e</th><th></th><th></th><th></th><th></th><th></th></td<>	METERAGE	DESCRIPTION	Sa	ample	e					
 45.30 - 53.20 Marble, Silicified, Pyritic in part: alternating sections of light grey/blue intraclastic, serpentinized marble with l% pyrite and sections of light yellow, silicified marble with pyritc; /26 46.3 47.3 / 0 .00/ .002 8 /29 47.3 48.3 4 0 .00/ .002 8 /20 47.3 57.3 / 0 .002 .005 /B /20 47.3 57.3 / 0 .002 .007 59 /// 47.3 57.3 57.3 / 0 .002 .007 59 /// 52 57.3 53.2 / 0 .002 .007 59 /// 52 57.3 53.2 / 0 .002 .007 59 /// 53 57.3 / 0 .002 .007 59 // 54 57.3 / 0 .002 .007 59 // 54 57.3 / 0 .002 .007 59 // 53 57.3 / 0 .002 .007 59 // 54 57.3 / 0 .002 .007 59 // 53 57.3 / 0 .002 .007 59 // 54 57.3 / 0 .002 .007 59 			No.	From	То		Ag	Pb	Zn	Cu
unit. Bedding at: 35° @ <u>70.00</u> , 35° at <u>74.00</u> . Mild serpentinization throughout. Rare pyrite-magnetite	45.30 - 53.20	alternating sections of light grey/blue intraclastic, serpentinized marble with 1% pyrite and sections of light yellow, silicified marble with pyritic, brecciated, vuggy sections as unit above. This section probably represents a transitional zone with units above and below. Vugs are more prominent in this section as unit above. Yellowish, silicified zones have more pyrite than serpentinized marble zones, up to 10%. Some core loss in vuggy zones. Pyrite occurs as thin, anastomosing, lacework stringers and as coatings on open vugs. Some minor breccia matrix pyrite in silicified sections. <u>Marble</u> : mostly biotitic, round-clast breccia marble, with some short sections of hornfels and massive to intraclastic light indigo blue marble. Round-clast breccia sections have characteristic gradational clast-matrix boundaries. Matrix is very fine grained biotite- calcite-amphibole(?) - and very minor pyrite. Entire unit represents disturbed sediments, very monotonous unit. Bedding at: 35° @ 70.00, 35° at 74.00. Mild serpentinization	177 178 179 180 182 182 183 184	447.83 447.83 447.83 447.83 50.3 51.3	47.3 48.3 49.3 51.3 52.3		0001010	.005 .001 .001 .002 .002 .006 .005	·0/ .006 .002 .005 .006 .006 .005	6 30 18 11 28 36

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Property: CASH

Hole No.: C90-14

om To		No.	From	<u>To</u>	_ Au	Ag	Pb	Zn	Cu
					ppb	ppm	ક	8	ppm
	filled fracture.								
	Samples as follow:	0-	70.0	71 .	/	0	.001	.004	86
	00185: <u>70.00 - 71.00</u> , Hornfelsic	185	70.0	71.0	/	0	.001	.009	
	section; 00186: <u>72.00 - 73.00</u> , Hornfelsic	101-	72.0	73.0	/	0	.001	.004	296
	00186: <u>72.00 - 73.00</u> , Hornfelsic section:	100	12.0	15.0	•	U			76
	00187: <u>78.30 - 78.60</u> , Fine grained	187	78.3	78.6	/	0	.002	.002	26
	disseminated grossular?;	101							_
	00188: <u>85.00 - 86.00</u> , Marble with honey	188	85.0	86.0	3	1	.001	.00/	29
	coloured stringers;						00-	001	~
	00189: <u>88.20 - 88.50</u> , Marble with honey	189	88.Z	88.5	/	/	.005	.001	г
	coloured stringers;		0	0					
	00190: <u>90.00 - 91.00</u> , 2% pyrite-	190	90.0	91.0	1	/	.01	.007	20
	magnetite in anastomosing stringers;			00 0				001	-
	00191: <u>98.00 - 99.00</u> , Hornfelsic	191	9B.O	99.0	/	0	.001	.00/	Z,
	section;	102	100.0	101.30	1	0	.003	.003	7
	00192: <u>100.00 - 101.30</u> , Highly biotitic	192	100.0	101.50		Ŭ			
	section; 00193: <u>109,40 - 109.70</u> , 2cm irregular	193	109.4	109.7	,	1	.006	.00/	' /
	band with pyrite-magnetite and fine		,	101					
	grained brown mineral @ 25° to core;				,		0-1	.003	. د
	00194: 57.00 - 58.00, Marble with	194	57.0	58.0	/	0	.001	.000	3 2
	moderate serpentinite;		50 .	50 -	,	~	.002	00-	7
	00195: <u>58.00 - 59.00</u> , Marble with	195	58.0	59.0	/	0	.002	.00	/
	moderate serpentinization;					~	000	\sim	5 1
	00196: <u>60.00 - 61.00</u> , Biotitic, round-	196	60.0	61.0	/	0	.00Z	·uq	<u>، د</u>
	clast breccia marble;		<i>.</i> -	110	,		007	<u>^</u>	
	00197: <u>63.00 - 64.00</u> , Biotitic,	197	63.0	64.0	/	0	.002	,00	2

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Property: CASH

Hole No.: C90-14

METERAGE	DESCRIPTION	Sa	mple	e					· ·
From To		No.	From	To	_ Au	Ag	Pb	Zn %	Cu
111.20 - 112.20	<u>Syenite</u> : medium pink porphyritic syenite. Abundant mariolitic cavities. l% pyrite. Cuts core @ 80 ⁰ .	19B	111.2	112.2	<u>ppb</u> /	 0	.001	.001	z76
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 $(0, 70^{\circ})$. Minor pyrite- magnetite throughout in fractures and stringers, also in stylolites? Contact with syenite $(0, 80^{\circ})$.	199	119.7	120.7	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.		126.7	127.7	/	0	.001	.00	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	00	.003 .001	.003 ,002	150 49

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Property: CASH

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Hole No.: C90-14

METERAGE	DESCRIPTION	S a	ampl	e					
From To		No.	From	To	_ Au	Ag	Pb	Zn	Cu
	massive white marble. Section $147.20 - 148.20$ contains 30% dark, pyritic fine grained biotite matrix. Pyrite occurs in fine bands running parallel to the core.		147.2	<i>148</i> .2	ppb 6	<u> </u>			<u>ppm</u> 342
	END OF HOLE								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD		Page No. 1
Name of Property: CASH	Corr. Dip:	Remarks:
Hole No: C90-15	Length: 170.40m	
Location: CASH 2/Ft. Steele M.D. 5990 N + 4360 E	Start Date: August 16/90	Finish Date:
Elevation: 1715m (topographical)	Azimuth: 270°	Collar Dip: -45 ⁰
Core Size: H.Q.	Tests at: -51º @ 61 m;-52º @ 122 m	Logged by: G.D.P. Date:

METERAGE	DESCRIPTION		ampl						
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
0.00 - 15.00	<u>Overburden</u> : no core.				dqq	ppm	8	8	ppm
15.00 - 26.50	<u>Marble</u> : white to light grey massive to slightly intraclastic marble. Occasional short (50cm) hornfelsic section. Occasional vuggy sections. Moderate serpentinization along fractures and along vugs. Mostly solid core, hornfelsic sections are quite crumbly.								
26.50 - 43.00	Bedded Marble and Hornfels, with minor Gossen: well bedded marble and hornfels, bedding is discontinuous and undulatory, with beds highlighted by darker, more biotitic bands grading into lighter, less biotitic ones. Beds average 2 - 4cm. Some gossen, pyritic- magnetitic sections. Mostly solid core, gossenous section sometimes quite crumbly. Bedding at: 65° @ 27.50; 65° @ 41.00. In places pyrite-magnetite	205 206 207 208 209 209 210 211 212	26.5 27.5 29.5 30.5 31.5 32.5 00 37.0 37.0 37.0 37.0 37.0 37.0 37.0 3	27.5 28.5 30.5 31.5 32.5 345.0 345.0 345.0 345.0 345.0 35 345.0 38.0 39.0	3ヨーレース マーー・・・	000000000000000000000000000000000000000	.00/ .001 .001 .01 .001 .001 .001 .001	.003 .001 .002 .003 .003 .003 .001 .002 .001 .004 .001	7319059115014

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Property: CASH

Hole No.: C90-15

METERAGE	DESCRIPTION	S	ampl						
From To		No.	From	То	Au	Ag	Pb %	Zn %	Cu ppm
	occur in thin (2mm) bedding parallel bands (00216). Hornfels section average 50cm, 20% of interval.		39.0 40. 0 41.0 42.0	40.0 41.0 42.0 43.0	<u>ppb</u> / / /	ppm 0 0 0 0	• CO I • 00 I • 00 I • 00 I	,002 ,003 ,002 ,002	i16 84 42 284
43.00 - 54.30	Bedded Marble and Hornfels: as above but with no gossenous patches and only very minor pyrite-magnetite, mostly in hornfelsic sections. Hornfelsic sections average 50cm, comprise 30% of interval. Bedding at: 50° @ <u>46.00</u> ; 55° @ <u>50.00m</u> . Bedding becoming less defined downward.								
54.30 - 62.80	Marble and Hornfels: 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	Marble, with 3% Pyrite-Magnetite: 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.	221 222	62.8 (A.0 (5.0	64.0 65.0 66.0	 Z	000	- 001 - 007 - 001	,003 ,002 ,002	87 41 . 49

Property: CASH

Hole No.: C90-15

Location: CASH 2

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From To	DESCRIPTION	No.	From	То	Au	Ag	Pb	Zn	Cu
	Moderate lime green serpentinite throughout. Magnetite occurs as rims around the pyrite.				dqq	ppm	8	8	ppm
6.00 - 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)	Ι	.003	.007	171
57.10 - 74.10	Marble, with 2% Pyrite: 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.	225 226 227 228 229	67. 68.1 69. 1 70. 1 71.1 72.1 73. 1	68.1 69.1 70.1 71.1 72.1 73.1 74.2	1 1 1 3 1 1	0 0 0 0 0 0 1	. 00 .00 .00 .00 .00 .00 .00	.002 - 06 - 002 - 003 - 003 - 004 -001	36 94 473 110
74.10 - 113.70	Marble: 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	132 233	84.0 108.0 112.7 113.7	88.0 109.0 113.7 114.7	 2 	0100	.00 .00 .00 .00	. 00 . 00 . 00 . 00	Z

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Property: CASH

Hole No.: C90-15

METERAGE	DESCRIPTION	S	ampl	e					
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
	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.				<u>dqq</u>	ppm	8	8	mqq
113.70 - 122.70	Marble with 2% - 15% Pyrite: 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.	136 137 138 239 240 241 241 142	114.7 115.7 117.7 118.7 118.7 118.7 118.7 118.7 120.7	115.7 116.7 117.7 119.7 119.7 120.7 121.7 122.7	1 1 1 2211	0000000	.001 ,002 .002 .001 .001 .001 .005	.001 .001 .001 .001 .001 .001 .002	7 18 9 16 4 36 9 13 13 13
122.70 - 130.00	Massive Marble with Pyritic Fractures: 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.	244	122.7 123.7 124.1 125.7 126.7 121.7 128.7	125.7 124.7 125.7 126.7 126.7 128.7 128.7 130.7	,	0 0 000 0 0	002 003 001 002 003 003	,001 ,001 ,001 ,001 ,000 ,000	3 78 197 1241

Property: CASH

Hole No.: C90-15

Location: CASH 2

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METERAGE	DESCRIPTION	S	ampl	e					
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
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.				dad	mqq	<u> 8 </u>	<u>8</u>	
136.90 - 139.10	<u>Massive Marble with Pyritic Fractures</u> : as above with 2% pyrite.	250 US 1	136.9 138-0	138:0 139.1	 	0 0	,002 ,002	. 00 ,00	9 10
139.10 - 151.60	<u>Marble</u> : mostly white to light grey massive to intraclastic marble. Very minor pyrite-pyrrhotite along fractures. Section <u>146.90 - 147.60</u> has 10% pyrite, along with a patch of light tan green talcos(?) marble with pyrite with an indian red coloured rim.	253	146.9 150.6	147.6 151.6	1	10	.02 .DDZ	:001 .001	Z3 20
151.60 - 159.70	<u>Marble with up to 30% Pyrite</u> : very similar to section <u>113.70 - 122.70</u> . As before, the pyrite occurs in the more mottled sections as irregular, spheroid to chainlike aggregates. Section <u>151.60</u> <u>- 152.00</u> has 10% pyrite, 10% pyrhotite in a large fracture running at 10 - 20 ⁰ to core. Some of the matrix material is slightly talcos, slightly marly.	255 256 257 258 259 260	IS 1.6 IS2.0 IS3.0 IS4.0 IS5.0 IS5.0 IS7.0 IS7.0 IS9.0	152.0 153.0 154.0 155.0 156.0 157.0 159.0 159.0 159.7	1212131811	01310110	•001 .004 .03 .004 .006 .006 .002 .006 .001	,00 3 ,007 ,007 ,007 ,007 ,007 ,007 ,007	22
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

Page 6

Property: CASH

Hole No.: C90-15

METERAGE	DESCRIPTION		ample Brow		<u></u>	Ag	Pb	Zn	Cu
From To		No.	From	To	Au ppb	ng ppm	8 8	8	ppm
	along fractures. Section $159.70 - 160.20$ is a very light grey marl with small (1 - 5mm) spherical white spots disseminated throughout. White spots are siliceous and comprise 15% of the interval.								
163.20 - 166.00	Brecciated Marble with Pyritic, Talcos Matrix: light grey brecciated marble with honey-tan coloured talcos, marly matrix. Matrix is very fragmented and contorted in texture. 7% pyrite, often with an indian red coloured rim as seen in other talcos section.	264 265	163.2 164.0 165.0	164.0 165.0 166.0	1 1 2	000	•004 •00 (•00	.00/	14 11 16
166.00 - 170.4 0	<u>Marble</u> : light grey to white round-clast breccia marble. Minor pyrite.								
	END OF HOLE 170.40m								

KOKANEE EXPLORATIONS LTD.

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DRILL HOL	E RECORD						Page N	o. 1				
Name of Property:	CASH	Corr. Dip:				Remar	ks:					
Hole No: C90-16		Length: 164.30m										
Location: CASH 2/1	Ft. Steele M.D. + 4655 E	Start Date: August	17, 19	990		Finis	h Date	:				
Elevation: 1585m	F 4055 E	Azimuth: 090°				Colla	r Dip:	-45°				
Core Size: H.Q.		Tests at: -52° @ 61 -51° @ 164		⁰@122	m;	Logge	d by:	G.D.P		Date:		
<u>METERAGE</u> From To	DESCRIP	TION	Sa No.	<u>ampl</u> From	<u>е</u> То		Au	7~	Pb	Zn		
	·····		NO.	FION	10		ppb	Ag ppm	РD %	211 %	Cu ppm	
0.00 - 8.00	<u>Overburden</u> : no con	ce.										
8.00 - 13.00		massive white marble, . Occasional small tylolites. Bedded bedding @ 20 ⁰ .										
13.00 - 25.80	dolomitic marble t with a light tan to matrix. Clast-ma slightly round but gradational. Matr grained, compact, s very minor pyrite. lined with calcif pyrite. Within the are abundant pat radiating, pure whi vary in size from 2	brecciated white, o light grey marble o light brown calcite atrix contacts are do not appear to be rix is a very fine sucrosic calcite with Occasional open vug te and very minor emarble clasts there schy aggregated of the calcite. Patchess mm - 4cm. Section as more grey, less Interval is 80%	267	14.5 18.5	14.7 19.0		1	0	,001 ,001	.001 .001	6	

Page 2

Property: CASH

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Hole No.: C90-16

METERAGE	DESCRIPTION	S	ampl	e					
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
	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.				<u>dađ</u>	<u>ppm</u>	8	8	mqq
25.80 - 57.50	Intraclastic to Brecciated Marble: 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 42.00 - 48.00 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.		32.0 42.0	33.0 43.0	13	0	•00 (•00 (. <i>0</i> 0/ ,00/	0

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Property: CASH

METERAGE	DESCRIPTION	S	ampl	e					
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
57.50 - 63.50	<u>Brecciated Marble with Pyrrhotite</u> <u>Lenses</u> : light to medium grey, argillaceous marble breccia with a light grey calcarious to a light tan siliceous matrix. Oblong lenses of pyrrhotite, lmm 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</u> - <u>61.50</u> has light tan, siliceous matrix. Thin (2cm) gouge zones at <u>62.80</u> , cuts core at 70 - 90 ⁹ .	271 272 273 274	57.5 58.5 59.5 60.5 60.5 62.5	58.5 59.5 61.5 62.5 62.5 63.5	ppb 2 7 7 2 2	20 0 0 0 0	8 .001 .001 .001 .001 .001 .001	₹ .00/ .00/ .00/ .00/ .003	ррт 41 56 6 1В 28 37
63.50 - 69.00	Argillaceous Limestone with Pyrrhotite Lenses: 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	277 2 1 8 279 280	63.5 64.5 65.5 66.5 67.5	64.5 65.5 67.5 69.0	21432	00000	.00 .00 .00 .00 .00	. 00 / . 00 2 .00 (.00 / .00 /	18 38 19 60 19

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Property: CASH

Hole No.: C90-16

METERAGE	DESCRIPTION	Sa	mpl	e					
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
	chaotic. Not a breccia, but an interval of contorted bedding. Pyrrhotite averages $1\% \pm .$ Thin (4cm) gouge zone at <u>64.40</u> cuts core at 50 - 60°. Section <u>67.00 - 67.40</u> is light cream green colour, silicified?				<u>dqq</u>	ppm	<u> </u>	<u>~</u>	ppm
69.00 - 72.50	Laminated Argillaceous Limestone: dark grey argillaceous limestone with very fine light and dark laminations. Bedding is slightly undulatory and in places broken and boudinaged cuts core $(0.35 - 50^{\circ})$. 2% very fine grained disseminated pyrite, in places forming thin lams, rare pyrrhotite lamination.	282 283	69.0 70.0 71.0	10.0 11.0 72.5	137	000	. 001 .001 .001	.001 -00 (.001	19 16 14
72.50 - 89.00	Argillaceous Limestone, Intraformational Breccia: well developed intraformational breccia. Angular, rectangular, polygonal clasts of medium to dark grey laminated argillaceous limestone, ranging in size from 1 to locm, 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	285 280 287 288	72,5 76.0 79.0 84.0 88.0	13.5 77.0 80.0 85.0 89.0	1 /3	00000	.001 .001 .001 .001	201 .001 .001 .001	34

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Property: CASH

Hole No.: C90-16

rom To		No.	From	То	Au	Ag	Pb	Zn	Cu
	bedded sections, bedding @ 60 - 70º. Darker coloured limestone is slightly graphitic – carbonaceous.				dqq	<u>ppm</u>	₹	<u> </u>	ppm
9.00 - 164.30	Laminated Argillaceous Limestone: finely laminated grey to light brown to white argillaceous limestone. 1% finely disseminated pyrite throughout, rare pyrhotite 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: 89.00 - 94.00: broadly folded, in places broken. Bedding tops slightly undulatory. 94.00 - 103.00: bedding consistent at 50° , bedding tops planar. 103.00 - 117.00: broadly folded, contorted and broken bedding. Bedding tops undulatory, occasional calcite filled fractures, bedding at $30 - 50^{\circ}$ 117.00 - 122.00: broadly folded bedding for most of this interval the bedding is parallel or sub-parallel to the core. 122.00 - 142.00: mostly planar bedding with occasional contorted section. Some low angle, large scale cross bedding, (slumping?), calcite filled fractures throughout,	290 291 292 293 294 295 296 297	92.0 91.0 105.0 118.0 130.0 140.0 151.0 160.0	93.0 98.0 106.0 113.0 131.0 141.0 152.0 161.0	 	00000000	•001 •001 •001 •001 •001 •001 •001	,001 ,001 ,001 ,001 ,001 ,004 ,007	11 12 3 16 11 71 13 20

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Property: CASH

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Hole No.: C90-16

METERAGE	DESCRIPTION	<u>S</u> a	mple	e					
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
	some with minor pyrrhotite. Prevalent set of en-echelon micro-fractures running roughly perpendicular to the bedding. Bedding at: 35° @ 126.00; 55° @ 132.00; 65° @ 135.00; 60° @ 141.00. 142.00 - 146.00: tightly folded (slumped?) bedding in places, often associated with large (2cm) calcite filled fractures. Some cross-bedded sections. 146.00 - 164.30: mostly undisturbed bedding, some short section with disturbed bedding. Minor calcite fractures, with very minor pyrrhotite. Bedding at: 60° @ 147.00; 60° @ 151.00; 63° @ 155.50; 58° @ 163.00. OF HOLE AT 164.3 METERS				<u>ppb</u>	ppm	. 8		ppm

KOKANEE EXPLORATIONS LTD.

DRILL HOLE	RECORD					Page	No. l			
Name of Property: C	CASH	Corr. Dip:			Rem	arks:				
Hole No: C90-17		Length: 97.20m								
Location: CASH 1/Ft 6300 N +		Start Date: August	17/90		Fin	ish Dat	e: Aug	ust 20/	90	
Elevation: 1578m	4/82 E	Azimuth: 270 ⁰			Col	lar Dip	: −45°			
Core Size: H.Q.		Tests at: -52° @ 66.	.5 m		Log	ged by:	G.D.P		Date:	
METERAGE	DESCRIP	TION		mple						
From To			No.	From	То	_ Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00 - 11.00	Overburden: no con	ce.		. –		<u>, , , , , , , , , , , , , , , , , , , </u>			.001	
	Limestone: dar argillaceous limes with thin white lan tensional soft s features such as slu beds. Bedding tops planar where not grained pyrite the pyrrhotite in calci	elsic Argillaceous k grey hornfelsic tone as in C90-16, minations. Abundant ediment deformation umping and boudinaged s are generally quite disturbed. 1% fine roughout, occasional te filled fractures. <u>12.00;</u> 25° @ <u>16.50;</u>		<i>IS</i> .0	16.0	/	0	.007		//
	Limestone: similar slump features are the bedding is slig		303 304	28.0 36.0 54.0	29.0 37.0 55.0	3	000	.001 .001 .001	.001 .001 .001	6 10 8

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Property: CASH

Hole No.: C90-17

<u>METERAGE</u> From To	DESCRIPTION	No.	ampl From	<u> </u>	Au	Ag	Pb	Zn	Cu
<u>rom 10</u>		NO.	FIOM	10	ppb	ppm	8	*	ppm
	both predate and postdate the slumping. Occasional pyrrhotite in calcite fractures. Bedding at: 25° (29.00; 30° (34.00; 100 (39.00; 0° (44.50; 20° (55.00. Thin (3cm) gouge zone at 55.40,								<u>ppn</u>
56.50 - 73.60	cut core at 45°. <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 relect 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: 56.50 - 57.60: mostly calcareous	306 3307 308 301 301 301 301 301 301 301 301 301 301	555566666666666666666666666666666666666	58.6 59.6 60.6	0 60 55 5000000055555	000000000000000000000000000000000000000	1005 1001 1001 1001 1001 1001 1001 1001	.01 .001 .001 .001 .001 .001 .001 .001	25 44 39 27

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Property: CASH

Hole No.: C90-17

METERAGE	DESCRIPTION		ampl						~
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
	pyritic clasts in a light green matrix. Milky quartz-calcite vein (2 cm) at 57.30 cuts core @ 25°. 57.60 - 65.00: mostly dark, siliceous clasts in a very dark grey to light brown matrix. Section $58.70 - 59.20$ has a fabric @ 20° highlighted by an alignment of lenticular clasts. 65.00 - 66.40: as $56.50 - 57.60$. 66.40 - 68.50: as $57.60 - 65.00$. 68.50 - 71.60: as $56.50 - 57.60$. 71.60 - 73.60: light green to light grey chalcedony with minor clasts. Bottom 40cm contains some rectangular, light grey calcareous clasts, giving the interval a intraformational breccia look. Bottom 60cm is fairly calcareous on the whole, a gradational contact with the bedded sediments below.				<u>dqq</u>	<u>ppm</u>	98		ppm
73.60 - 97.20	Laminated Hornfelsic Argillaceous Limestone: light to dark grey finely laminated hornfelsic marble. Abundant soft sediment tensional slump features like contorted-boudinaged bedding and intraformational breccias. 1% fine grained disseminated pyrite throughout. Occasional small (3mm) lenses of pyrrhotite in the sediments and in small calcite fractures. <u>86.00 - 86.30</u> : clasts filled calcite-		63. <i>5</i>	84.5	5	0	.001	.001	14

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Property: CASH

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Hole No.: C90-17

ETERAGE	DESCRIPTION	S	ampl	<u>e</u>			-1		0
om To		No.	From	То	Au	Ag	Pb %	Zn S	Cu ppm
	quartz vein. Clasts very angular. Cuts core @ 15 ⁰ , cuts bedding at 60 ⁰ . Bedding at: 60 ⁰ @ <u>73.60</u> ; 50 ⁰ @ <u>82.00</u> ; 50 ⁰ @ <u>88.00</u> ; 53 ⁰ @ <u>97.00</u> .				dqq	ppm			<u> </u>
	END OF HOLE AT 97.2 METERS								