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### KOKANEE EXPLORATIONS LTD FILE NO:

#### REPORT ON A DIAMOND DRILL PROGRAM

(A92-1 to A92-5)

### ARC and SURE BET CLAIMS

SLOCAN MINING DIVISION

### CRAWFORD AREA

N.T.S. 82F/10W

LAT: 49°38'

LONG: 116°51'

OWNER

KOKANEE EXPLORATIONS LTD. Suite 104, 135 - 10th Avenue South Cranbrook, B.C. V1C 2N1

Worked Performed from January 19, 1992 to February 15, 1992

Report by: David L. Pighin Submitted: March, 1992

## GEOLOGICAL BRANCH ASSESSMENT REPORT

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#### REPORT ON FIVE DIAMOND DRILLHOLES

#### ARC, SURE BET and PUP CLAIMS

#### SLOCAN MINING DIVISION

#### D.L. Pighin

March, 1992

#### 1.00 <u>Introduction</u>

The Arc property consists of the Arc, Noah, Sure Bet and Pup claims totalling 125 units. The Arc, Sure Bet and Pup claims are under option from local prospectors. The Noah claims are owned 100% by Kokanee Explorations. Chapleau Resources Ltd. and Barkhor Resources have an earn-in agreement with Kokanee Explorations Ltd. on the Arc property.

The Arc - Sure Bet diamond drilling program in January of 1992 consisted of 5 holes totalling 1094.8 metres of core. The program was designed as an initial test of soil geochemical anomalies supported by geophysical (E.M. and Mag.) anomalies.

#### 2.00 Location and Access

The Arc property is located in the Slocan Mining Division. The claims are situated on the east side of Kootenay Lake, on the west side of Crawford Bay. Access is via Highway 3A from Creston, B.C. A fair network of Forestry roads provide access within the claims.

#### 3.00 <u>Regional Geology</u>

The area immediately to the north of the Arc - Sure Bet claims has been regionally mapped by Trygve Hoy, for the B.C. Department of Mines, 1980 (Bulletin 73 - Geology of the Riondel Area, Central Kootenay Arc, Southeastern B.C.).

Metamorphic rocks, which underlie the region, correlate with the Lower Paleozoic sequence exposed along the trend of the Kootenay Arc to the north and south (T. Hoy, 1986). These rocks consist mainly of quartzites and schists of the Hamil group, overlain by interlayered calcareous schists, marble and quartzites of the Mohican Formation, and Lower Cambrian marble, of the Badshot Formation, as well as micaceous schist, calc-silicate, gneiss and amphibolite, which are part of the Lardeau group. The structure of the area is dominated by a series of west dipping, tight to isoclinal folds (Phase 2) that are superposed on the inverted limb of an earlier limb of a recumbent anticlinal structure named the Riondel Nappe (T. Hoy, 1980).

The regional metamorphic grade ranges from upper green schist facies in the east to amphibolite facies in the west.

### 4.00 Property Geology

Geological work on the property to date consists of reconnaissance geological mapping and core logging. This work suggests that the structures and lithology mapped by T. Hoy in 1980 extend through the Arc - Sure Bet claims.

The property is underlain by the Index, Badshot, Mohican and Hamil Formations. The Index Formation consists principally of an upper division formed by biotite-quartz-feldspar gneiss, minor garnet gneiss and a lower division consisting of calc-silicate, biotite-quartz-feldspar gneiss, and minor phlogopitic quartzite, muscovite gneiss and abundant amphibolite sills.

The Badshot Formation consists of calcite marble and dolomitic marble. Phlogopite is generally weakly disseminated throughout the marble, with some marble units distinctly phlogopite rich. Weakly disseminated graphite generally occurs throughout the marble beds, and in some cases, forms distinct wispy thin lamina. Very weakly disseminated pyrite and rare magnetite occurs in some of the marble beds.

The Mohican Formation consists mainly of calcareous quartzites, calcareous schists, minor marble and amphibolite sills. The Hamil Formation is mainly dark quartzite, white quartzite and quartz schist.

A small quartz monzonite stock occurs near the centre of the property. Thin pegmatite sills, small aplite dykes and sills and biotite quartz monzonite dykes and sills are abundant within the claim block.

Structure on the property is dominated by the Crawford Bay antiform, the Breacher Creek antiform and the Bernard Fault.

### 4.10 <u>Mineralization</u>

Approximately 50 boulders of massive sulphides have been on the Arc - Sure Bet property. The sulphide boulders located commonly consist of pyrrhotite, sphalerite, galena, and chalcopyrite, and on occasion additionally ferbergite. The boulders range in size from 3 tons to a few hundred pounds. The grades commonly range from 10% to 32% combined Pb-Zn, from 0.2% to 4.78% Cu, and from trace to 10 oz/t Ag.

In 1992, Kokanee Exploration completed a large soil geochemical grid which outlined a strong soil Pb-Zn anomaly. The anomaly was approximately five kilometers long by 400 metres wide and correlates with the sulphide boulder float train.

### 5.00 Diamond Drilling

#### 5.10 Diamond Drillhole A92-1

Hole A92-1 was drilled on Arc 22 and Arc 7 claims. This hole was collared at  $-45^{\circ}$  and was cored to a depth of 192.4 metres on a bearing of  $225^{\circ}$  Azimuth. The hole was drilled entirely in quartz monzonite, with the exception of a small diorite dyke near the top of the hole. The hole encountered a number of silicified, sericitic and carbonatized zones associated with crackle breccia and fracture structures. Rare pyrite is associated with these alteration zones. Kaolinization of feldspar phenocrysts occur sparingly throughout the hole. Alteration zones were grab sampled and assayed by 30 element ICP and gold by AA.

#### 5.20 Diamond Drillhole A92-2

Hole A92-2 was drilled on the Arc 22 and Arc 24 claims 350 metres southeast of diamond drillhole A92-1. The hole was collared at  $-45^{\circ}$  and cored to a depth of 297.3 metres on a bearing of 225° Azimuth. The hole was drilled to test a strong Pb-Zn soil anomaly.

The dominant rock type in the hole is biotite-quartzfeldspar gneiss interlayered by calc-silicate. These rocks are typically medium to thinly banded, commonly reddish brown, white and light green, weakly disseminated pyrite and pyrrhotite is usually present. Amphibolite sills are abundant throughout the hole. They are typically fine to medium crystalline rocks and generally contain disseminated pyrrhotite, magnetite, rare chalcopyrite and in some sills subhedral pink garnet is common. Hairline fractures and fine crackle breccia commonly host calcite or epidote. The amphibolite is generally magnetic in core. The amphibolite was routinely grab sampled and assayed by 30 element ICP, plus Au by AA and on occasion assayed for Pt group elements as well.

A distinctive epidote-calc-silicate unit occurs between 188.0 and 199.3 metres, and a phlogopitic quartzite unit occurs between 203.4 and 223.3 metres. The last 8 metres of the hole was in augen quartz muscovite schist.

The stratigraphy cored in this hole is correlated with the Index Formation. Numerous small aplite dykes and narrow sills occur throughout the hole. Small pegmatite sills are rare, and small quartz monzonite dykes are relatively common in the core. A large biotite quartz-monzonite sill is found near the bottom of the hole.

#### 5.30 Diamond Drillhole A92-3

Hole A92-3 was drilled on the Arc 22 and 21 claims, off the same sight as hole A92-2. Hole A92-3 was collared at  $-45^{\circ}$  and drilled to a depth of 211.9m on a bearing of  $045^{\circ}$  Azimuth. This hole was drilled to test a Pb-Zn soil anomaly. This hole cored essentially the same rocks as described in hole A92-2.

### 5.40 Diamond Drillhole A92-4

Hole A92-4 was drilled on the Arc 22 and 21 claims, 250 metres north of hole A92-2. Hole A92-4 was collared at  $-45^{\circ}$  and drilled to a depth of 214.9 metres on a bearing  $045^{\circ}$  Azimuth. The hole was drilled to test a Pb-Zn soil anomaly. This hole also cored essentially the same rocks as described in hole A92-2.

#### 5.50 Diamond Drillhole A92-5

Hole A92-5 was drilled on the Sure Bet 5 claim, 1.6 km south of hole A92-2. The hole was collared at  $-45^{\circ}$  and cored to a depth of 178.4 metres.

The upper part of the hole (3 to 98 metres) consists mainly of calcite marble, interbedded with phlogopite-muscovite schist and minor calc-silicate. The schists are typically thin bedded and commonly calcareous. Marble beds are generally thick bedded and rarely very thick bedded. Calcareous quartzite dominates the section from 98.0 -125.0 metres. The quartzite is generally thick bedded and rarely very thick bedded. The quartzite beds are composed mainly of coarse unsorted quartz sand in a calcite matrix. The quartzite is generally phlogopitic with minor disseminated pyrrhotite, magnetite and very rare red sphalerite.

The lower part of the hole is totally in marble. The marble is generally coarsely crystalline and usually white, bluish grey and pinkish brown. The marble unit consists of both calcite and dolomite marble. Contacts between calcite and dolomite marble are generally sharp. Phlogopite is weakly disseminated throughout the marble. Pinkish brown marble is generally phlogopite rich. Finely crystalline graphite is weakly disseminated in most of the marble beds, and in some cases forms wispy black parallel lamina. Very weakly disseminated pyrite occurs throughout the dolomite beds. 'Vugs' filled by talc, fluorite and red sphalerite occur in dolomitic marble from 146.9 to 178.4 metres. The 'vugs' are very widely scattered. They commonly range from 2 to 4cm and are rarely up to 20cm in size.

The stratigraphy cored from 3 to 125 metres is correlated to the Mohican Formation. The core in the lower part of the hole (125.0 to 178.4 metres) represents the Badshot Formation.

### 6.00 <u>Conclusion</u>

Data gained from the current diamond drill program suggests that further work on the property is warranted.

Report by: ~ David L.

David L. Pighin Senior Geologist

### EXHIBIT "A"

### STATEMENT OF EXPENDITURES

### DIAMOND DRILL PROGRAM

ON ARC 22 AND SURE BET 5 CLAIMS

SLOCAN M.D.

Covering the period from Jan. 19, 1992 to Feb. 15, 1992

INDIRECT

SALARIES: D.L. Pighin - Geologist - core logging 15 days @ \$250/day \$ 3,750.00 Accomodation: re drillers 600.00

DIRECT

LeClerc Drilling Ltd. Beaverdell, B.C. - 5 holes totalling 1094.8 meters

48,779.25

\$53,129.25

TOTAL =

DAVID L. PIGHIN Senior Geologist

### IN THE MATTER OF THE

### B.C. MINERAL ACT

#### AND

IN THE MATTER OF A DIAMOND DRILL PROGRAM

CARRIED OUT ON THE ARC 22 AND SURE BET 5 CLAIMS

CRAWFORD BAY AREA

in the Slocan Mining Division of the Province of British Columbia

More Particularily N.T.S. 82F/10E

AFFIDAVIT

I, David L. Pighin, 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 geophysics program, on the Arc 22 and Sure Bet 5 Mineral Claims.
- 3. That the said expenditures were incurred between the 19th day of January, 1992 and the 15th day of February, 1992 for the purpose of mineral exploration.

DAVID L. PIGHIN Senior Géologist

- 7 -

#### AUTHOR'S QUALIFICATIONS

I, David L. Pighin, of the City of Cranbrook, B.C., in the Province of British Columbia, do hereby certify that:

- I was employed by Cominco Ltd. as a exploration geologist for 15 years;
- I am employed by Kokanee Explorations Ltd. as Senior Geologist;
- 3. I have had over 26 years experience in the field of mining exploration.

Signed by: Klick David L. Pighin Senior Geologist Endorsed by: Laurence Stephenson B.Sc, M.B.A., P.Eng.

### ENDORSER'S QUALIFICATIONS

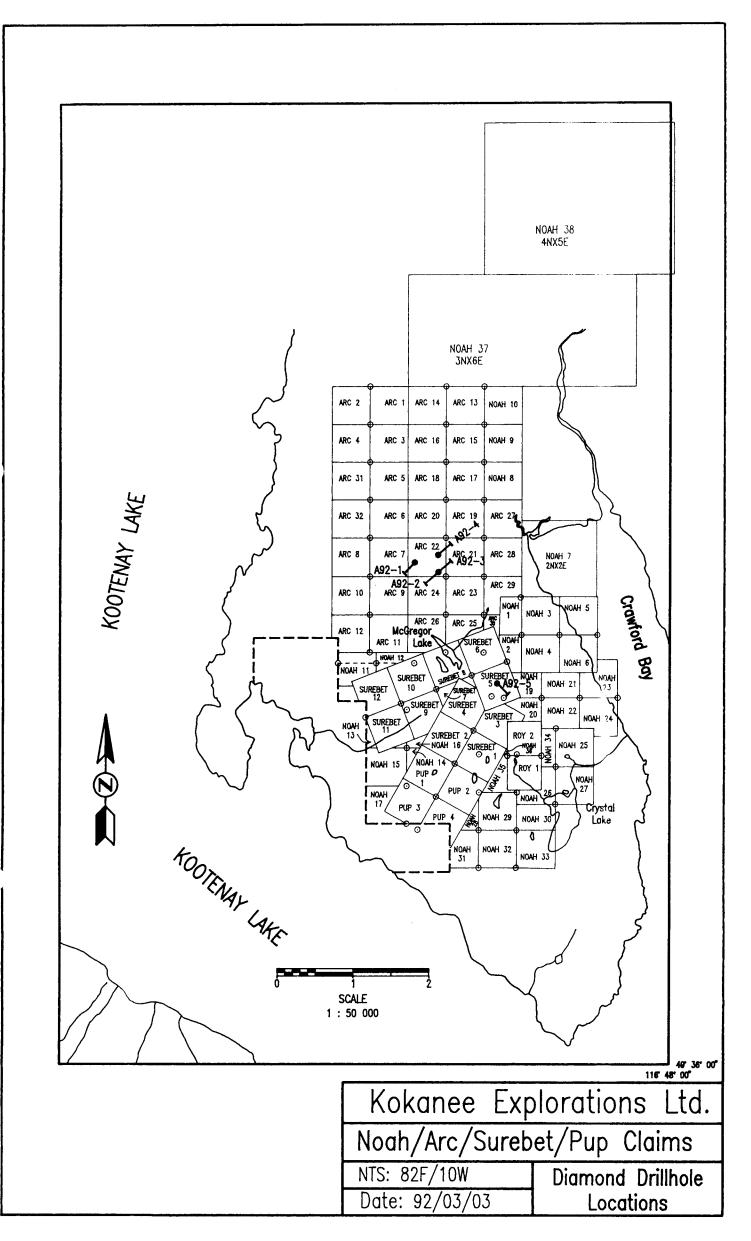
I, Laurence Stephenson, of the City of Cranbrook, in the Province of British Columbia, do hereby certify that:

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;

4

- 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 24 years experience in the field of mining exploration.
- I have known and worked with Mr. David Pighin professionally since 1988.

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



DRILL LOGS

Diamond Drillholes A92-1 to A92-5

Corr. Dip: 45°

Azimuth: 225°

Tests at:

Length: 192.3m

Start Date: January 21, 1992

### DRILL HOLE RECORD

Name of Property: ARC

Location: ARC 7 Claim

Hole No.: A92-1

Elevation: 845m

Core Size: NQ

Page No. 1 Remarks: UTM Co-ordinates: North - 5,500,616 East - 511,093 Finish Date: January 23, 1992 Collar Dip: -45° Logged by: DLP Date: Jan. 24/92

METERA	GE DESCRIPTION		ampl.		· ·				<u>-</u>
<u>From To</u>	· · · · · · · · · · · · · · · · · · ·	No.	From	То	Au ppb	Ag ppm	Pb %	Zn E	Cu ppm
0.0 - 1.8	<u>Overburden</u> .								
1.8 - 5.0	<u>Quartz Monzonite</u> : phaneritic, generally equigranular, locally with a graphic texture, widely scattered, tiny euhedral red garnets. Widely scattered fractures cut core at 25° - 30°, generally produce pinkish alteration in adjacent feldspar.								
5.0 - 6.2	<u>Diorite</u> : medium grained, dark green, mainly hornblende in grey plagioclase matrix. Generally crackle brecciated and	765	6.00		1	0	.001	.004	79
	healed by quartz and epidote.	766	24.90		5	0	.001	.005	7
	<b>-</b>	767	43.00		2	0	.001	.006	7
6.2 - 84.0	<u>Quartz Monzonite</u> : as above.	768	70.40		2	0	.001	.004	5
		769	76.00		1	1	.001	.005	6
84.0 - 87.0	<u>Crackle Brecciated Quartz Monzonite</u> :	770	81.50		1	1	.001	.003	8
	healed by diopside, talc, iron ocher,	771	85.10		1	0	.001	.001	4

### DRILL HOLE RECORD

Property: ARC

### Hole No.: A92-1

<u>METÉRAG</u> From <u>To</u>	E DESCRIPTION	No.	<u>imple</u> From	То	Au	Ag	Pb	Zn	Cu
					ppb	ppm	8	8	ppm
	minor quartz and calcite. Pinkish alteration of feldspar adjacent to fractures.								
87.0 - 88.5	<u>Quartz Monzonite</u> : as above.								
88.5 - 95.0	<u>Quartz Monzonite</u> : silicified, sericitic, calcareous, light green with chloritic fractures.	772	88.50	95.00	4	0	.001	.001	8
95.0 - 154.0	<u>Quartz Monzonite</u> : as described above.		·						
154.0 - 155.5	<u>Kaolinized Quartz Monzonite</u> : numerous thin, soft white clay veins cut core @ 30°.	773	154.40		1	0	.001	.003	8
155.5 - 170.0	<u>Quartz Monzonite</u> : as described above.								
170.0 - 171.3	<u>Altered Monzonite</u> : strongly silicified with weak sericitization, generally a light buff colour. Widely scattered, reddish brown limonite, pseudomorphous after pyrite?	774	171.00		1	1	.001	.002	4
171.3 - 175.0	) <u>Kaolinized Monzonite</u> : tiny, soft white limy clay veins cut core at 38º.	775	172.50		1	0	.001	.002	6
175.0 - 192.4	Quartz Monzonite: as described above.	776 777	180.00 188.70		2 4	0 0	.001 .001	.001 .001	5 4

Page: 2

### DRILL HOLE RECORD

Page: 3

P	r	0	p	е	r	t	У	:	ARC	
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#### Hole No.: A92-1

TERA M TO		No.	ampl From	То	Au	Ag	Pb	Zn	Cu
					ppb	ppm	8	*	PF
						<b>.</b>			
	179.8 - 180.2: pegmatite dyke, mainly								
	coarsely crystalline, pink orthoclase and								
	quartz, minor muscovite, minor disseminated								
	magnetite, cuts core at 13°.								
	188.5 - 189.2: pegmatite dyke as above.								
		1							
	END OF HOLE								
	Core stored in racks at the Vine property.								
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### DRILL HOLE RECORD

Page	No.	1
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Name of Property: ARC	Corr. Dip: -45°	Remarks:
Hole No.: A92-2	Length: 297.3m	UTM Co-ordinates: North - 5,500,492 East - 511,402
Location: ARC 22 Claims	Start Date: January 23, 1992	Finish Date: January 26, 1992
Elevation: 805m	Azimuth: 225°	Collar Dip: -45°
Core Size: N.Q.	Tests at:	Logged by: DLP Date: Feb 6/92
METERAGE DES	CRIPTION Sample	

TION	<u> </u>	a m	p 1	е	
		_			-

From To	· · · · · · · · · · · · · · · · · · ·	No.	From	<u>To</u>	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.0 - 7.3	Overburden.								
7.3 - 10.2	Quartz-Biotite-Phlogopite-Feldspar Gneiss: interlayered calc-silicate gneiss. Thin to very thinly banded, light greenish white, dark reddish brown and white. Quartz- biotite-muscovite gneiss bands generally consist of quartz and reddish brown biotite, phlogopite and feldspar, weakly calcareous in part, generally medium crystalline. Calc-silicate-quartz layers consist of mainly quartz, actinolite (epidote) and calcite, generally medium to coarsely crystalline. Some unite are up to 40% calcite. Rare crystals of pyrite throughout. Bedding to core 56 <sup>6</sup> .								

### DRILL HOLE RECORD

#### Page: 2

<u>From To</u>		No.	From	To	Au ppb	Ag ppm	Pb %	Zn F	Cu ppn
10.2 - 12.0	<u>Amphibolite Sill</u> : dark green, medium crystalline, consists mainly 60% amphibolite and 40% quartz with scattered crystals of tremolite or wollastonite?. Minor disseminated pyrite and pyrrhotite.	778	11.20		9	0	.003	.004	104
12.0 - 16.8	<u>Quartz-Biotite-Muscovite Gneiss</u> : interlayered calc-silicate gneiss as described above. Widely scattered pyrite.								
16.8 - 19.7	<u>Amphibolite Sill</u> : with scattered biotite phenocrysts, equigranular and coarsely crystalline, widely scattered pyrite.	779 780	15.80 18.80		8 8	0 0	.001 .001	.002	60 6
19.7 - 42.5	Quartz-Biotite-Muscovite Gneiss: interlayered calc-silicate as previously described. 21.6 - 21.9m: ribbon quartz - biotite vein parallel to bedding. 28.5 - 29.0m: fault gouge, contact- indistinct. 26.0m: banding (bedding to core) 52°. 26.2 - 27.0m: fault gouge, contacts indistinct. 30.1m: thin gouge filled shear cuts core @ 7°.	781 782	21.60 34.40		6 4	0	.001 .001	.002	24 6

Property: ARC

### Hole No.: A92-2

### DRILL HOLE RECORD

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Proper	ty:	ARC
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### Hole No.: A92-2

Location: ARC 22 Claims

METERAG	E DESCRIPTION	<u> </u>	ampl.	e					
From To		No.	From	<u> </u>	Au	Ag	Pb	Zn	Cu
					ppb	ppm	8	8	ppm
	34.2 - 34.7m: pegmatite sill, mainly coarsely crystalline feldspar-quartz and biotite, rare pyrite. Feldspar light greenish blue and light orange.								
42.5 - 43.1	<u>Fault</u> : abundant fault gouge, shearing appears to be 7 <sup>0</sup> to core.								
43.1 - 44.2	<u>Rubbly Core</u> : mixed pegmatite and gneiss. 44.2 – 44.3m: reddish brown mud seam.								
44.2 - 46.3	<u>Amphibolite Sill</u> : dark green, medium crystal, 70% amphibolite, 30% guartz and feldspar, generally limy, scattered calcite veinlets and widely scattered disseminated pyrite. Banding to core (bedding) 45°.	783 784	44.20 44.40	44.30	6 6	0 0	.002	.008 .004	95 91
46.3 - 61.5	<u>Quartz-Biotite-Muscovite Gneiss</u> : interlayered with calc-silicate as described between 7.3m and 10.2m.								
61.5 - 63.5	Amphibolite Sill: dark green, equigranular, medium crystalline, consists of 80% amphibole, 17% quartz and feldspar, 3% pyrrhotite and lessor chalcopyrite, rare garnets. Sill is magnetic.	785	62.00		7	1	.001	.004	896

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### DRILL HOLE RECORD

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<u>From To</u>		No.	From To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppn
63.5 - 66.2	<u>Quartz-Biotite-Muscovite Gneiss</u> : interlayered calc-silicate gneiss as described between 7.3m and 10.2m. Banding to core 57 <sup>0</sup> . (bedding?)							
66.2 - 67.4	<u>Amphibolite Sill</u> : dark green, equigranular, medium crystalline with scattered biotite phenocrysts. composition 40% amphibole, 50% biotite, 10% guartz and feldspar. Locally up to 1% sulphides mainly pyrite-pyrrhotite, rare chalcopyrite, not magnetic, rare garnets are pink in colour.	786	67.20	5	0	.001	.002	216
67.4 - 91.2	Quartz-Biotite-Muscovite Gneiss: interlayered calc-silicate, as described between 7.3m and 10.2m. Scattered with quartz veins parallel to banding (bedding) veins commonly are ribboned by chlorite or biotite lamina. Some veins host subhedral pink garnets, widely scattered thin calcite veins cut core at 46°. Banding to 50° @ 90.0m.	787	77.90	11	0	.001	.001	4

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Property: ARC

#### Hole No.: A92-2

### DRILL HOLE RECORD

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From To		No.	From	To	Au	Ag	Pb	Zn	Cu
					ppb	ppm	8	8	ppr
91.2 - 92.2	<u>Amphibolite Sill</u> : dark green, equigranular, coarsely crystalline, scattered biotite phenocrysts. Composition 50% amphibole, 50% biotite. Quartz is very rare.								
92.2 - 100.1	<u>Quartz-Biotite-Muscovite Gneiss</u> : interlayered calc-silicate as described between 7.3m to 10.2m.								
00.1 - 101.8	<u>Calcareous Biotite-Muscovite Gneiss</u> : dark grey and black with tannish brown carbonate banding, coarsely crystalline. Biotite and muscovite, carbonate band host tiny magnetite crystals (magnetic unit). Estimated 5% disseminated pyrrhotite, very rare chalcopyrite.	788	101.50		6	0	.001	.005	78
.01.8 - 110.0	Calcareous Calc-Silicate: light green with white and pink mottling, medium crystalline, massive, some poor banding, some scattered pink feldspar, wispy thin quartz layers. 108.4 to 108.9m: epidote greenstone dyke cuts core at 23°, 50% epidote by volume.								

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Property: ARC

#### Hole No.: A92-2

### DRILL HOLE RECORD

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Property: ARC

### Hole No.: A92-2

### Location: ARC 22 Claims

<u>METERAG</u>	E DESCRIPTION		<u>imple</u>						·····
From To		No.	From	То	_ Au	Ag ppm	Pb %	Zn St	Cu
					ppb_	ppm	<u> </u>	<u> </u>	ppm
110.0 - 137.1	<u>Quartz-Biotite-Muscovite Gneiss</u> : interlayered calc-silicate as described between 7.3m to 10.2m. Very widely scattered thin (1 to 2cm thick) quartz veins parallel to banding at 130.5m. Banding to core (bedding?) is 42 <sup>0</sup> .	789	136.00		9	0	.001	.002	507
137.1 - 136.5	<u>Amphibolite Sill</u> : dark green, equigranular, medium crystalline. 50% amphibole, 50% guartz and feldspar, weakly disseminated pyrrhotite and chalcopyrite, widely scattered subhedral pink garnets. Widely scattered thin calcite veins cut core at 45°. Two thin shears cut core at 26°.								
136.5 - 156.0	<u>Quartz-Biotite-Muscovite Gneiss</u> : interlayered calc-silicate as described between 7.3m to 10.2m. 154.0m: banding to core 56 <sup>0</sup> (bedding?). 149.0m: disseminated pyrrhotite and magnetite.	790	149.00		10	1	.001	.002	101
156.0 - 157.4	<u>Amphibolite Sill</u> : dark green, equigranular, medium crystalline, calcareous. Consists of 60% amphiboles and biotite, 40% quartz and feldspar. Sulphides are very rare.								

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### DRILL HOLE RECORD

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Property: ARC

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### Hole No.: A92-2

From To		No.	From	To	Au	Ag	Pb	Zn	Cu
					ppb	ppm	*	8	ppm
157.4 - 160.2	<u>Biotite Quartz-Monzonite Dyke</u> : bluish grey matrix with small white feldspar phenocrysts. Phenocrysts are generally subhedral and commonly zoned. Dyke appears fresh, no evidence of gneissose texture. Dyke cuts core at $40^{\circ}$ and cuts gneissic texture of host rock at $72^{\circ}$ .								
160.2 - 163.2	<u>Amphibolite Sill</u> : as described above but cut by small white biotite quartz monzonite dyke rarely more than 50cm thick. Dykes cut core at 75°. Dykes are fresh (no gneissic texture). Widely scattered pink garnets, some dendritic patches of pyrrhotite.	791	160.90		5	0	.001	.004	65
163.2 - 188.0	Quartz-Biotite-Muscovite Gneiss: interlayered calc-silicate as described between 7.3m to 10.2m. 169.2 - 170.8m: epidote-feldspar-calc- silicate. Banded white, green and apple green, generally limy. 170.8 - 171.5m: amphibolite sill. Dark green, abundant subhedral pink and whitish garnets, cut by numerous veins of pure epidote. 178.0m: strongly slickensided fractures cut core at 14° and 38°.								

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### DRILL HOLE RECORD

#### Page: 8

Property: ARC

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#### Hole No.: A92-2

From To		No.	From To	Au	Ag	Pb	Zn	Cu
				ppb	ppm	8	8	ppm
188.0 - 199.3	<u>Calc-Silicate</u> : thinly banded (bedding) white, dark green and apple green. Unit consists of roughly 1/3 epidote, 1/3 feldspar and 1/3 actinolite, minor tremolite. Some quartz present, weakly calcareous throughout. Banding to core 48°.	792	194.00	4	0	.001	.001	2
199.3 - 202.4	<u>Biotite-Phlogopite-Quartz-Feldspar Gneiss</u> : generally as described between 7.3m - 10.2m with scattered units of coarsely crystalline biotite-quartz gneiss. In some cases this unit might be described as feldspar-quartz-augen gneiss.							
202.4 - 203.4	Amphibolite Sill: black, medium crystalline, equigranular, mainly amphibole with minor feldspar. Abundant round subhedral light pink garnet porphyroblasts, up to lcm in size. Garnets commonly rimmed by quartz and host disseminated magnetite, pyrrhotite and rare chalcopyrite. Pyrrhotite and some magnetite is disseminated in the amphibolite. Some small irregular veinlets of epidote.	793	203.00	15	1	.001	.003	925
203.4 - 214.0	<u>Biotite-Phlogopite-Quartz-Feldspar Gneiss</u> : see 199.3m to 202.4m. Banding to core @ 210m 36 <sup>0</sup> .	794	214.00	2	0	.001	.001	78

### DRILL HOLE RECORD

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Property: ARC

#### Hole No.: A92-2

<u>METERAG</u>	E DESCRIPTION	Sa	ample					
From To		No.	From To	Au Au	Ag	Pb	Zn	Cu
				ppb	ppm	<u> </u>	8	ppm
214.0 - 214.9	<u>Amphibolite Sill</u> : dark grey, medium to finely crystalline. Mainly amphibolite and feldspar 50%/50%, rare quartz up to 1% disseminated pyrrhotite.	795	214.60	3	0	.001	.001	22
214.9 - 223.3	Phlogopitic Quartzite: with minor thin interlayers of calc-silicate and biotite gneiss. Generally a light reddish brown with white banding, rarely light green banding, thin to medium thick banding phlogopite medium to coarsely crystalline, relic sand grains can be observed, muscovite or sericite can be abundant locally. Locally, disseminated pyrrhotite may be abundant. Some of the very white bands may be finely crystalline feldspar. 219.6m: disseminated pyrrhotite.	796	219.60	7	0	.001	.002	291
223.3 - 224.0	Amphibolite Sill: dark green, medium crystalline, 50% amphibole and 50% feldspar, abundant pyrrhotite, minor chalcopyrite near base of sill. Scattered quartz boudins. Phlogopitic Quartzite: as described	797	226.90	4	0	.001	.002	116
224.0 - 220.0	between 199.3m to 202.4m.							

### DRILL HOLE RECORD

#### Page: 10

### Hole No.: A92-2

METERAG	E DESCRIPTION	Sa	ampl	е					
<u>From To</u>		No.	From	To	Au	Ag	Pb	Zn	Cu
					ppb	ppm	8	<u> </u>	ppm
226.0 - 227.1	<u>Amphibolite Sill</u> : dark green, medium to finely crystalline. Approximately 50% amphibole and 50% feldspar-quartz. Abundant pink garnet porphyroblasts, generally same small rare 5mm in size.								
227.1 - 234.3	<u>Biotite-Phlogopite-Feldspar-Quartz Gneiss</u> : interlayered calc-silicate as described between 7.3m and 10.2m., but with more interlayers of coarsely crystalline boudin textured quartz-biotite gneiss.								
234.3 - 235.3	<u>Amphibolite Sill</u> : dark green, medium- finely crystalline, approximately 50% amphibole and 50% feldspar-quartz.								
235.3 - 239.2	<u>Gneiss</u> : as described at 227.lm - 234.3m.								
239.2 - 242.4	<u>Amphibolite Sill</u> : dark green, medium to locally coarsely crystalline. Approximately 50% amphibole, 50% quartz and feldspar, abundant round subhedral light pink garnet porphyroblasts, rarely more than 5mm in size. Prophyroblasts commonly rimmed by quartz. Disseminated magnetite throughout. Locally abundant, disseminated pyrrhotite and chalcopyrite.	798 799	241.30 241.90		9 7	0 0	.001 .001	.005	322 284

### DRILL HOLE RECORD

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Property: ARC

### Hole No.: A92-2

<u>METERAG</u> From <u>To</u>	E DESCRIPTION	No.	<u>ample</u> From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppn
242.4 - 255.2	Biotite, Phlogopite, Quartz-Feldspar <u>Gneiss</u> : interlayered with calc-silicate as described between 7.3m and 10.2m. 243.4 - 243.9m: leucocratic granite dyke, cuts core at 40°, very finely crystalline, mainly quartz and feldspar, approximately 50%/50%, minor disseminated biotite, widely scattered tiny euhedral light pink and orange garnet, rare pyrite. 253.2 - 253.4m: leucocratic aplite sill, mainly feldspar, lessor quartz, minor sericite and chlorite, scattered subhedral pink garnets.								
255.2 - 257.0	<u>Amphibolite Sill</u> : dark green, coarsely crystalline, 70% biotite and amphibole matrix feldspar with lessor quartz, rare actinolite, minor disseminated pyrrhotite. Unit is cut by widely scattered pink feldsite veins.	800	256.60		4	0	.001	.003	59
257.0 - 278.0	<u>Sericitized-Silicified Quartz Monzonite</u> <u>Sill</u> : generally light greenish white, some remnant patches of biotitic quartz monzonite. Looks like sericite is after biotite, widely scattered tiny pink	901 902 903 904	257.00 263.00 268.20 271.50		4 3 3 3	0 0 0	.001 .001 .001 .001	.001 .001 .003 .001	84 11 2 55

### DRILL HOLE RECORD

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Property: ARC

### Hole No.: A92-2

#### Location: ARC 22 Claims

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<u>M E T E R A G</u>	E DESCRIPTION		ampl_	e					
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
					ppb	ppm	*	*	ррп
	euhedral garnets throughout sill, widely scattered blebs and disseminated pyrrhotite and pyrite. 267.0 - 270.0m: thin talc lined fracture cuts core at 14 <sup>0</sup> .								
278.0 - 280.0	<u>Muscovite-Biotite-Quartz and Quartz Augen</u> <u>Schist</u> : reddish brown with white banding and white mottling, coarsely crystalline micas (might have been a quartz pebble grit). Banding to core 46 <sup>0</sup> .								
280.0 - 283.7	<u>Pegmatite</u> : grey quartz with light green feldspar, coarsely crystalline, scattered coarsely crystalline biotite, minor muscovite, strongly kaolinization in patches.	905	280.50		2	0	.001	.002	7
283.7 - 288.0	<u>Quartz-Sericite-Biotite Gneiss</u> : grey quartz with black biotite banding, fine to medium crystalline, very vuggy, scattered light greenish white dolomite phenocrysts. Unit consists of (estimates) 80% quartz, 20% biotite, muscovite and dolomite. Rare thin layers of dark green amphibolite.	906	285.80		4	O	.001	.001	4

### DRILL HOLE RECORD

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Property: ARC

### Hole No.: A92-2

<u>METERAG</u>	E DESCRIPTION		amp l		·				
<u>From</u> To		No.	From	<u>To</u>	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
288.0 - 289.3	<u>Pegmatite Sill</u> : mainly pink feldspar, minor light grey quartz, scattered patches of coarsely crystalline biotite and muscovite, minor chlorite.	9 			PPD	<b>P P M</b>	<u> </u>	¥	
289.3 - 297.3	<u>Augen Quartz</u> : muscovite schist, silvery grey with white quartz-augens. Unit is 90% (estimate) coarsely crystalline muscovite, scattered crysts of limy kaolimité? after feldspar? rare thin bands of amphibolite and quartz monzonite. Banding to core 47°.								
	END OF HOLE								
	Core stored in racks at the Vine Property.								

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### DRILL HOLE RECORD

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Page	No.	1

Name of Property: ARC	Corr. Dip: -45 <sup>0</sup>	Remarks:
Hole No.: A92-3	Length: 211.9m	UTM Co-ordinates: North - 5,500,492 East - 511,402
Location: ARC 22 Claim	Start Date: January 23, 1992	Finish Date: January 26, 1992
Elevation: 805m	Azimuth: 045°	Collar Dip: -45°
Core Size: NQ	Tests at: NIL	Logged by: DLP Date: Feb/92

METERA	GE DESCRIPTION	1	<u>ampl</u>						,
<u>From To</u>		No.	From	<u>To</u>	Au ppb	Ag ppm	Pb %	Zn Z	Cu ppm
0.0 - 4.9	<u>Overburden</u> .								
4.9 - 6.5	Biotite-Quartz-Feldspar Gneiss: interlayered calc-silicate, banded dark reddish brown and whitish green, medium to thinly banded, medium to coarsely crystalline. Biotite-quartz-feldspar gneiss is mainly (estimate) 30% biotite, 70% quartz and feldspar. Calc-silicate is mainly (estimate) 50% actinolite, lessor tremolite and 50% quartz lessor feldspar. Banding to core 47 <sup>0</sup> .								
6.5 - 8.4	<u>Pegmatite Dyke</u> : cuts core at 33 <sup>0</sup> , generally white, mainly quartz and white feldspar, widely scattered coarsely crystalline	907	7.60		5	0	.001	.001	4

### KOKANEE EXPLORATIONS LTD. DRILL HOLE RECORD

Property: ARC

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### Page: 2

Location: ARC 22 Claim

From To	GE DESCRIPTION	No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppn
	biotite books, widely scattered tourmaline crystals, some muscovite and very rare pyrite.								
8.4 - 11.3	<u>Amphibolite Sill</u> : dark green, medium crystalline, composition (estimate) 80% amphibole and 20% feldspar lessor quartz.								
11.3 - 20.7	<u>Biotite-Quartz-Feldspar Gneiss</u> :interlayered calc-silicate as described between 4.9m to 6.5m. 15.0 - 15.7m: amphibolite sill.		·						
20.7 - 22.2	<u>Biotite-Quartz-Monzonite Dyke</u> : light grey, medium crystalline, minor thin quartz vein cuts core at 45 <sup>0</sup> . Patchy silicification, chloritization and sericitization, widely scattered pyrite generally associated with alteration.	908	21.30		2	0	.001	.002	34
22.2 - 24.2	<u>Pegmatite Dyke</u> : generally white, coarsely crystalline, widely scattered books of black biotite, rare black tourmaline crystals, some muscovite and chlorite veinlets cut core at 11°.								

Hole No.: A92-3

### DRILL HOLE RECORD

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### Page: 3

Property: ARC	Hole No.:	A92-3
METERAGE DESCRIPTION	S	<u>a mple</u>
From To	No.	From

<u>From To</u>		<u>No.</u>	From To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
24.2 - 25.7	<u>Amphibolite Sill?</u> : black, medium crystalline. Estimate 80% amphibole, 20% quartz and feldspar, abundant disseminated pyrrhotite and pyrite, rare chalcopyrite.	909	24.80	2	0	.001	.016	296
25.7 - 27.0	<u>Biotite-Quartz-Monzonite Dyke</u> : cuts core at 10 <sup>0</sup> , light grey, medium crystalline, generally equigranular.							
27.0 - 31.0	<u>Pegmatite</u> : cuts core at 28°, white, coarsely crystalline, mainly white feldspar and quartz, widely scattered biotite and chlorite.							
31.0 - 62.6	<u>Biotite-Quartz-Feldspar Gneiss</u> : interlayered calc-silicate as described between 4.9m to 6.5m. 50.0 - 50.4m: biotite-quartz-monzonite dyke cuts core at 55°. Light grey, medium crystalline equigranular, abundant pink garnets developed along footwall. 56.6 - 57.0m: ribbon quartz vein, parallel to banding, banded quartz, calcite and minor chlorite, rare pyrite. 58.2 - 58.4m: amphibolite sill. 61.4 - 61.8m: amphibolite sill.	910	56.80	1	0	.001	.001	6

### DRILL HOLE RECORD

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Property:	ARC
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#### Hole No.: A92-3

<u>From To</u>		<u>No,</u>	From	<u>To</u>	Au ppb	Ag ppm	Pb %	Zn %	Cu ppn
62.6 - 67.0	<u>Amphibolite Sill</u> : dark green to black, medium crystalline, equigranular. Composition 80% amphibole, 20% quartz- feldspar, slightly limy, very widely scattered irregular quartz veinlets, disseminated pyrrhotite and chalcopyrite. Unit is magnetic in patches.	911	66.80		1	0	.001	.003	266
67.0 - 76.5	<u>Biotite-Quartz-Feldspar Gneiss</u> : interlayered calc-silicate as described between 4.9m to 6.5m. 50.0 - 50.4m: biotite quartz monzonite dyke cuts core at 55°. Light grey medium crystalline equigranular, abundant pink garnets developed along footwall. 58.2 - 58.4m: amphibolite sill. 61.4 - 61.8m: amphibolite sill.		·						
62.6 - 67.0	<u>Amphibolite Sill</u> : dark green to black, medium crystalline, equigranular. Composition 80% amphibole, 20% quartz- feldspar. Slightly limy, very widely scattered irregular quartz veinlets, disseminated pyrrhotite and chalcopyrite. Unit is magnetic in patches.								

### DRILL HOLE RECORD

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Property: ARC

#### Hole No.: A92-3

<u>METERAG</u>	E DESCRIPTION		ampl				<del></del>		
<u>From To</u>		No.	From	То	Au	Ag ppm	Pb %	Zn Se	Cu
					ppb	_ppm	3		ppm
67.0 - 76.5	<u>Biotite-Quartz-Feldspar Gneiss</u> : interlayered calc-silicate, as described between 4,9m to 6.5m.								
76.5 - 78.5	<u>Amphibolite Sill</u> : dark green to black, medium crystalline, equigranular. Estimate 80% amphibolite and 20% feldspar-quartz, weakly disseminated pyrrhotite, lessor chalcopyrite. Widely scattered thin irregular epidote veinlets, 2cm thick barren quartz vein cuts core at 54°. Interval includes 50cm of gneiss.		·						
78.5 - 87.8	<u>Biotite-Quartz-Feldspar Gneiss</u> : interlayered calc-silicate as described between 4.9m to 6.5m. Banding to core at 85m is 35 <sup>0</sup> . 83.8 to 84.2m; amphibolite sill.								
87.8 - 89.9	<u>Amphibolite Sill</u> : dark green speckled white, medium crystalline, equigranular, 50% amphibole (estimate) and 50% feldspar minor guartz. Generally crackle brecciated and mineralized by epidote. Weakly disseminated pyrrhotite, chalcopyrite and magnetite.								

### DRILL HOLE RECORD

#### Page: 6

Property: ARC

### Hole No.: A92-3

Location: ARC 22 Claim

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METERAG	E DESCRIPTION		<u>imple</u>		•	-	-		~ ~
From To		No.	From	To	_ Au	Ag	Pb %	Zn	Cu
					ppb	ppm		8	ppm
89.9 - 165.2	Biotite-Quartz-Feldspar Gneiss: interlayered calc-silicate as described between 4.9m to 6.5m. 95.8 - 96.4m: pegmatite dyke cuts core at 22°, mainly quartz and white feldspar, minor biotite, muscovite and chlorite. 99.5 - 99.7m: pegmatite sill, as above. 104.8 - 105.0m: amphibolite sill. 110.2 - 111.1m: biotite quartz monzonite dyke cuts core at 24°. Weakly disseminated chlorite, very weak disseminated pyrrhotite and pyrite. Widely scattered tiny pink euhedral garnets. 117.0 - 118.2m: biotite quartz-monzonite dyke cuts core at 9°. 119.8 - 120.4m: quartz-epidote gneiss. 131.0 - 131.8m: biotite-amphibolite sill, dark green, (estimate) 50% coarsely crystalline biotite, 50% amphibole minor feldspar. 135.0 - 137.0m: scattered thin (5cm) quartz monzonite dyke cuts core at 53°. 136.8 - 137.5m: amphibolite sill, dark green, medium crystalline, approximately 50% amphiboles and 50% quartz-feldspar, irregular barren calcite veins mark the	912 913	89.90 111.00		1	0 0	.001 .001	.005	388 24

### DRILL HOLE RECORD

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Property: ARC

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#### Hole No.: A92-3

From To	E DESCRIPTION	No.	ampl From	То	Au	Ag	Pb	Zn	Cu
					ppb	ppm	*	<u>8</u>	ppn
	<pre>base of sill. Weakly disseminated pyrrhotite. 146.0m: banding to core 36<sup>6</sup>. 140.0 - 141.6m: amphibolite sill, greenish grey, medium to coarsely crystalline. Approximately 60% coarsely crystalline biotite and amphibole, 40% feldspar and quartz. 146.8 - 147.0m: two thin (5cm) pegmatite dykes, cut core at 74<sup>6</sup>, mainly white feldspar and quartz with 1cm thick bands of massive pink garnets.</pre>		·						
165.2 - 168.2	2 <u>Migmatite</u> : mottled green, reddish brown and white. Massive, mainly mixed calc- silicate-biotite-quartz-feldspar gneiss.								
168.2 - 178.0	<u>Biotite-Quartz-Feldspar Gneiss</u> : interlayered calc-silicate as described between 4.9m to 6.5m. 176.0 - 177.0m: biotite-feldspar gneiss, coarse grained.								
178.0 - 180.0	<u>Amphibolite Sill</u> : dark green, medium crystalline, approximately 50% amphibole and 50% quartz-feldspar, weakly crackle								

## DRILL HOLE RECORD

### Page: 8

Property: ARC

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### Hole No.: A92-3

Location: ARC 22 Claim

METERAG	<u>E DESCRIPTION</u>	S	ample	2					
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
					ppb	ppm	*	<u></u>	ppm
	brecciated healed by calcite, epidote lessor quartz, rare garnets, weakly disseminated pyrrhotite, 10cm thick barren quartz vein cuts core at 75°.								
180.0 - 208.6	Biotite-Ouartz-Feldspar Gneiss:	914	188.00		1	0	.001	.006	926
10010 10010	interlayered calc-silicate as described	915			ĩ	0	.001	.004	135
	between 4.9m to 6.5m.	916	197.80		1	0	.001	.005	158
	186.8 - 188.2m: amphibolite sill, green								
	to dark green, medium crystalline.								
	Approximately 50% amphibole, 50% quartz-								
	feldspar. Scattered patches and stringers	1							
	of aplite and quartz. Weakly disseminated pyrrhotite, pyrrhotite and chalcopyrite	1							
	more abundant in amphibolite in areas								
	adjacent to aplite stringers.								
	190.5 - 191.0m: amphibolite sill.								
	191.8 - 193.0m: biotite gneiss, mainly	1							
	coarsely crystalline biotite, minor quartz								
	and feldspar.								
	194.7 - 195.5m: biotite gneiss, mainly								
	coarsely crystalline biotite, minor quartz								
	and feldspar.								
	195.8 - 196.6m: amphibolite sill, dark green, generally finely crystalline.	Į.							
	Approximately 80% amphibolite with	1							
	approximately 20% quartz-feldspar-chlorite								
	and garnet phenocrysts. Garnets appear	-							

## KOKANEE EXPLORATIONS LTD. DRILL HOLE RECORD

### Page: 9

<u>METERAG</u> From To	E DESCRIPTION	No.	<u>ample</u> From	То	Au	Ag	Pb %	Zn %	Cu
	to be a replacement of the quartz-feldspar- chlorite phenocrysts, phenocrysts commonly host disseminated pyrrhotite, chalcopyrite and magnetite. Unit is magnetic. 197.6 - 199.0m: amphibolite sill, as above. 206.6 - 207.4m: amphibolite sill.				dad	тqq	<u> </u>	<u> </u>	<u>991</u>
208.6 - 211.9	<u>Amphibolite Sill</u> : dark green to brownish dark green, medium to coarsely crystalline. Approximately 80% amphibole and 20% feldspar-lessor quartz. Scattered irregular veinlets of calcite and actinolite which commonly host disseminated pyrrhotite, pyrite and chalcopyrite.	917	211.50		1	ο	.001	.006	110
	END OF HOLE								
	Core stored in racks at the Vine property.	-							

Property: ARC

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### Hole No.: A92-3

Location: ARC 22 Claim

### DRILL HOLE RECORD

Name of Property: ARC

Location: ARC 20 Claim

Hole No.: A92-4

Elevation: 780m

METERAGE

Core Size: NO

From To

	No. From To	Au Ag Pb Zn Cu
DESC	RIPTIONSample	
	Tests at: NIL	Logged by: DLP Date:
	Azimuth: 045°	Collar Dip: -45°
	Start Date: January 28, 1992	Finish Date: January 30, 1992
	Length: 214.9m	UTM Co-ordinates: North: 5,500,715 East: 511,399
	Corr. Dip: -45 <sup>0</sup>	Remarks:
JKD		Page No. l

ppb

mqq

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ppm

0.0 - 1.5	<u>Overburden</u> .

1.5 - 18.0 Biotite-Quartz-Feldspar Gneiss: interlayered calc-silicate, generally medium to thin banded reddish brown, light green and white, generally medium crystalline. Biotite-Ouartz-Feldspar, generally reddish brown, consisting mainly of 30 to 40% biotite, and from 70 to 60% quartz and feldspar. Calc-silicate, generally light greenish white, consisting mainly of (estimate) 20% tremolite, 80% quartz-calcite and feldspar. Banding to core 47° at 6.3m, 47° at 16.0m. 2.0 - 2.5m: aplite dyke cuts core at  $20^{\circ}$ .

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## DRILL HOLE RECORD

### Page: 2

Property: A	RC Hole	e No.:	A92-4			Locat	ion: A	RC 20 C	laim
<u>METERAG</u> From To	E DESCRIPTION	S	a <u>mpl</u> From	<u>е</u> То					
<u></u>			<u> </u>	10	_ Au ppb_	Ag ppm	Pb t	Zn %	Cu ppm
18.0 - 21.0	<u>Amphibolite Sill</u> : dark green, medium crystalline, composed mainly of (estimate) 60% amphiboles and 40% quartz-feldspar. Some widely scattered thin veinlets of quartz.								
21.0 - 41.2	Biotite-Quartz-Feldspar Gneiss: interlayered calc-silicate, as described between 1.5m and 18.0m. Banding to core at 24m is 36°. 27.9 - 28.3m: amphibolite sill, as previously described. 29.0 - 29.4m: amphibolite sill, as previously described. 31.0m: banding to core 40°. 32.4m: thin shear marked by 1cm of gouge cuts core at 35°.								
41.2 - 105.0	<u>Calc-Silicate, Minor Biotite, Quartz-</u> <u>Feldspar Gneiss</u> : interlayered biotitic, amphibolite calc-silicate as described between 1.5m to 18.0m. Biotite-quartz- feldspar gneiss as described between 1.5m to 18.0m. Amphibolite occurs as thin layers and lenticular bands throughout this interval. However, there are some 1 to 3 metre thick amphibolite sills as well. Thin aplite dykes as sills scattered throughout.	918 919 920			1 6 3	0 0 1	.001 .001 .001	.010 .006 .008	71 20 730

## DRILL HOLE RECORD

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Property: ARC

### Hole No.: A92-4

### Location: ARC 20 Claim

<u>METERA</u> From To	<u>GEDESCRIPTION</u>	No.	ampl From	To	Au	Ag	Pb %	Zn %	Cu
	<ul> <li>41.2 - 45.5m: calcareous amphibolite sill, dark brownish green, medium crystalline with coarsely crystalline biotite, approximate composition 80% biotite and amphibole, 10% calcite, 10% feldspar, guartz is rare.</li> <li>45.5 - 46.5m: aplite dyke cuts core at 25°, white. Approximately 80% feldspar, 20% guartz with minor wisps of green chlorite, weakly pyritic near contact.</li> <li>50.0m: banding to core 54°.</li> <li>50.4 - 50.7m: aplite sill, as previously described.</li> <li>52.9 - 53.1m: aplite sill, as previously described.</li> <li>63.0 - 73.0m: calcareous amphibolite sill, dark green, medium to coarsely crystalline, approximate composition 80% amphibolite and biotite, 10% calcite, 10% feldspar - guartz is rare, rare disseminated pyrrhotite.</li> <li>70.0 - 70.5m: aplite dyke cuts core at 37°.</li> <li>78.0m: banding to core 60°.</li> <li>78.5 - 84.0m: calcareous amphibolite sill, dark green, medium crystalline, approximate composition 90% amphibolite sill, dark green, medium crystalline, approximate composition 90% amphibole and biotite, 10% calcite quartz is rare.</li> </ul>				<u>ppb</u>	<u>ppm</u>			<u>pp</u>

## KOKANEE EXPLORATIONS LTD. DRILL HOLE RECORD

Page: 4

From To		No.	From	То	Au	Ag	Pb	Zn	Cu
					ppb	ppm	8	8	ррі
	<ul> <li>85.0 - 87.5m: amphibolite sill, dark green, medium crystalline, approximately</li> <li>80% amphibole and biotite, 20% feldspar and quartz.</li> <li>89.5m: banding to core is 43°.</li> <li>95.0m: quartz vein 1cm thick hosts chalcopyrite and pyrrhotite. Parallel to banding.</li> <li>102.0m: banding to core is 48°.</li> </ul>								
05.0 - 214.9	Biotite-Quartz-Feldspar Gneiss: interlayered calc-silicate as described between 1.5m to 18.0m. 114.3m: banding to core is 46°. 118.6 - 121.5m: amphibolite sill, dark green, medium crystalline. Approximately 80% amphibole, 20% feldspar and quartz, rare thin fractures lined by epidote, strongly disseminated pyrrhotite. 125.0m: banding to core 47°. 129.5 - 131.0m: amphibolite sill, dark green, medium crystalline. Approximately 80% amphibolite, 20% quartz and feldspar, abundant subhedral pink garnet porphyroblasts near base. Sill is cut by thin epidote-pink feldspar veinlets. Thin quartz monzonite dykes cut amphibolite,	921	146.50		2	0	.001	.009	32

Property: ARC

### Hole No.: A92-4

### Location: ARC 20 Claim

## DRILL HOLE RECORD

### Page: 5

### Hole No.: A92-4

### Location: ARC 20 Claim

Tropercy. mo	note No	A)2 4			Docat	1011. 1	HRC 20 0	JI A T III
METERAGE       DESCRIPTION         From       To         these dykes cut core at 18° and 9° epid is developed along dyke contacts. 136.8 - 133.3m: amphibolite sill as a 145.5m: banding to core 45°. 142.3 - 143.4m: biotite-quartz monzon sill, biotite commonly altered to chlo rare pyrite. 146.0 - 147.2m: amphibolite sill, bla medium crystalline, 70% amphibole, rar biotite, 30% feldspar, rare quartz,	S No. lote bove. ite rite, ck,	<u>ampl</u> From	e To	Au ppb	Ag ppm	Pb %	Zn R	Cu
abundant disseminated pyrrhotite. 163.5 - 166.0m: scattered thin (10 - aplite dykes cut core at 9° and 12°, mi scattered euhedral to subhedral ruby r garnets, very rare pyrite. 169.5 - 170.2m: biotite quartz monzon dyke cuts core at 39°. 171.0m: banding to core is 43°. 179.3 - 179.6m: amphibolite sill. 180.2 - 181.3m: amphibolite sill, dar green, medium to coarsely crystalline, approximately 60% amphibole, 40% bioti minor disseminated pyrrhotite. 181.3 - 185.0m: massive calc-silicate mottled light green and white has a mi texture, abundant biotite porphyroblas	nor ed ite k te, , xed							

## DRILL HOLE RECORD

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Property: ARC

### Hole No.: A92-4

Location: ARC 20 Claim

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То	No.	From	То	Au	Ag	Pb	Zn	С
					ppm	Ł	8	P
188.5 - 190.0m: biotitic quartzite,								
massive, brownish grey, medium crystalline,								
rare pyrite.								
194.0m: banding to core 38°.								
197.0m: banding to core 41°.								
202.6 - 203.4m: calc-silicate massive,								
mottled light green and white scattered								
biotite porphyroblasts.								
210.4 - 210.8m: amphibolite sill.								
212.5m: banding to core 51 <sup>0</sup> .								
END OF HOLE								
Core stared in racks at the Vine property								
Core stored in racks at the Vine property.								

## DRILL HOLE RECORD

Page No. 1

Name of Property: ARC	Corr. Dip: -45 <sup>0</sup>	Remarks:
Hole No.: A92-5	Length: 178.4m	UTM Co-ordinates: North: 5,499,032 East: 512,188
Location: Sure Bet 5 Claim	Start Date: January 30, 1992	Finish Date: January 31, 1992
Elevation: 858m	Azimuth: 135°	Collar Dip: -45°
Core Size: NQ	Tests at:	Logged by: DLP Date: Feb/92

### <u>METERAGE</u> From To DESCRIPTION Sa mp No. Au Ag То From

. . . . . . .

<u>METERAG</u> From To		No.	From	 Au Ppb	Ag ppm	Pb %	Zn L	Cu ppm
0.0 - 3.0	Overburden.							
3.0 - 4.7	<u>Calcareous Quartzite</u> : light whitish green, weakly banded, finely crystalline.							
4.7 - 6.0	<u>Biotite-Feldspar Gneiss</u> : minor quartz, dark grey, medium crystalline, bedding (banding) to core 47 <sup>0</sup> .	- - - -						
6.0 - 14.8	<u>Dolomitic Marble</u> : white to creamy white, medium to coarsely crystalline. Massive with some thin wispy phlogopite banding, thin irregular veinlets and patches of tremolite and actinolite, some wispy patches of finely crystalline apple green limestone.							

# DRILL HOLE RECORD

Page: 2

Property:	ARC Hole	No.:	A92-5			Locat	ion: S	ure Bet	5 Claim
<u>METERA</u>	GE DESCRIPTION	s	ampl	e					
From To		No.	From	То	_ Au ppb_	Ag ppm	Pb %	Zn ¥	Cu ppm
14.8 - 16.5	Marble: interbedded calc-silicate and biotite-quartz-feldspar gneiss, very thin to thin bedded. Marble is generally bluish grey to white, coarsely crystalline, finely laminated in part by phlogopite and magnetite, rare thin arenaceous marble beds, very widely scattered tiny pyrite crystals. Calc-silicate and biotite- quartz-feldspar beds are green and reddish brown, commonly finely parallel laminated by biotite, tremolite, actinolite and minor phlogopite. 16.0m: bedding to core is 55°.								
<b>16</b> .5 - 17.3	Marble: light bluish grey with mottling, finely crystalline with large white rounded carbonate crystals (carbonate pellets?). Some widely scattered black biotite, rare pyrite.								
17.3 - 86.2	<u>Mainly Calcareous Marble</u> : interbedded, phlogopite-muscovite schist, minor calc- silicate, minor quartz-biotite gneiss. The section is generally thin to very thin bedded, with lessor thick marble beds, bedding plains are sharp and wavy.	922 923 924 925	39.20 57.50 61.30 68.80		1 1 1	0 0 0	.001 .001 .001 .001	.007 .003 .002 .009	78 47 167 323
	Calcareous marble is brownish grey, generally coarsely crystalline, weak to	,							

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## DRILL HOLE RECORD

Page: 3

Property: ARC

### Hole No.: A92-5

Location: Sure Bet 5 Claim

To		No.	From	<b>T</b> o	Au	Ag	Pb	Zn	Cu
					ppb	ppm		8	ppm
	<pre>strongly disseminated phlogopite, widely scattered to abundantly disseminated magnetite and generally rare disseminated pyrite or pyrrhotite, can be weakly banded by fine graphite or phlogopite. Phlogopite-muscovite schist is reddish brown to silvery reddish brown, commonly calcareous, can contain thin lenses of quartz or marble, weak to strongly disseminated pyrite or pyrrhotite. Calc- silicate units are rare and are usually light green. Biotite-quartz gneiss is usually reddish brown, finely parallel banded and rare disseminated pyrrhotite and pyrite. 19.0 - 19.0m: calcareous marble, white with dark grey wisps, coarsely crystalline, weakly disseminated graphite, rare specks of pyrrhotite, rare crystals of phlogopite. 27.2 - 27.0m: muscovite schist, silver grey, coarsely crystalline. 28.0m: muscovite-minor phlogopite schist, silver grey. minor reddish brown, coarsely crystalline. 31.8 - 32.7m: amphibolite sill, dark green, finely crystalline, approximately 50% amphibole, 50% quartz-feldspar, rare magnetite and pyrrhotite.</pre>								
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## DRILL HOLE RECORD

Page: 4

Property: ARC

### Hole No.: A92-5

### Location: Sure Bet 5 Claim

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Prom       To       No.       From       To       Au       Ag       Pb       Zn       Cù         34.5 - 35.7m:       amphibolite sill, as above       but with rare pink garnets.       35.7 - 36.0m:       muscovite schist, as above.       38.0 - 38.8m:       amphibolite sill, as above.       38.0 - 38.8m:       amphibolite sill, as above.       38.8 - 39.5m:       muscovite, minor phlogopite       schist, silvery brownish grey, coarsely       crystalline with scattered small (1 to 3m)       lenses of fine graphitic quartz. Weakly       calcareous unit, relatively abundant pyrite       and pyrnhotite.       Bedding to core at 39.5m       is 82 <sup>2</sup> .       39.5 - 41.4m:       calcareous marble, bluish       grey and white with dark grey wisps.       Coarsely crystalline, weak finely       disseminated graphite throughout, rare         pyrite.       40.5 - 41.0m:       quartz-feldspar dyke cuts       core at 12 <sup>6</sup> , medium crystalline, scattered       euhedral pink garnets, abundant sericite.       43.0 - 44.2m:       biotitic amphibolite sill,       dark greyish green, finely crystalline,       approximately 50% biotite and amphibole, 50% feldspar, some disseminated pyrnhotite.       46.0 - 47.1m:       biotitic amphibolite sill, as above.	METERAGE DESCRIPTION	A	ampl	 		 	
	From To          34.5 - 35.7m:       amphibolite sill, as above but with rare pink garnets.         35.7 - 36.0m:       muscovite schist, as above.         38.0 - 38.8m:       amphibolite sill, as above.         38.8 - 39.5m:       muscovite, minor phlogopite schist, silvery brownish grey, coarsely crystalline with scattered small (1 to 3m) lenses of fine graphitic quartz. Weakly calcareous unit, relatively abundant pyrite and pyrrhotite.         Bedding to core at 39.5m         is 82 <sup>0</sup> .         39.5 - 41.4m:       calcareous marble, bluish grey and white with dark grey wisps.         Coarsely crystalline, weak finely disseminated graphite throughout, rare pyrite.         40.5 - 41.0m:       quartz-feldspar dyke cuts core at 12 <sup>0</sup> , medium crystalline, scattered euhedral pink garnets, abundant sericite.         43.0 - 44.2m:       biotitic amphibolite sill, dark greyish green, finely crystalline, approximately 50% biotite and amphibole, 50% feldspar, some disseminated pyrhotite.	A		 	-	 	

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## DRILL HOLE RECORD

### Property: ARC

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### Hole No.: A92-5

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METERAGE DESCRIPTION Sample From To No. From To λu Pb Ag Zn Cu ppb ppm 8 8 ppm crystalline, weakly disseminated graphite, rare crystals of pyrite. 53.4 - 60.3m: amphibolite sill, dark green, finely crystalline, approximately 50% amphibolite, 50% guartz-feldspar, ÷. disseminated pyrite and pyrrhotite, disseminated magnetite, unit is magnetic in core. 61.3m: 10cm thick muscovite schist unit host several layers of massive pyrite, up to 5mm thick. 62.0m: bedding to core 60°. 65.3 - 66.8m: amphibolite sill, dark green, finely crystalline, approximately 50% amphibole, 50% quartz-feldspar, has a layered texture with rare thin beds of calcitic marble, scattered garnets, disseminated pyrite and pyrrhotite and minor disseminated magnetite. Unit in core is weakly magnetic, from 68.0 to 69.0m thin 2cm quartz-chlorite-pyrrhotite vein cuts core at 2°, rare chalcopyrite and pyrite. 78.0 - 80.0m: amphibolite sill, dark green, finely crystalline, approximately 50% amphiboles, 50% guartz-feldspar, has a layered texture, minor disseminated pyrite, pyrrhotite and magnetite, is magnetic in core.

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Location: Sure Bet 5 Claim

# DRILL HOLE RECORD

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METERAG	<u>GEDESCRIPTION</u>		<u>ampl</u>						
From To		No.	From	<u>To</u>	Au ppb	Ag ppm	РЬ 	Zn 8	Cu ppm
	82.1 – 84.5m: amphibolite sill, dark green, medium crystalline, approximately 80% biotite and amphibole, 20% quartz- feldspar, weakly magnetic in core.		,		·				
86.2 - 87.5	<u>Marble</u> : bluish grey with white mottling, massive bedded, coarsely crystalline. Small irregular lenses of massive phlogopite.								
87.5 - 89.0	<u>Marble</u> : as above, but thin bedded. 88.5m: bedding to core is 85°.								
89.0 - 91.3	<u>Quartz-Sericite-Phlogopite Schist</u> : light silvery grey, medium crystalline with scattered books of coarsely crystalline phlogopite.								
91.3 - 98.2	Calcite Marble: interbedded phlogopite schist, medium to thin bedded, undulating sharp bedding plains. Marble beds are bluish grey, brownish grey and white. Some beds are phlogopitic with minor disseminated phlogopite and pyrite in beds Phlogopite schist interbeds are generally reddish brown consisting mainly of phlogopite and minor calcite. 93.5 - 94.5m: quartz-sericite-phlogpite schist.								
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## DRILL HOLE RECORD

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Property: ARC

Hole No.: A92-5

Location: Sure Bet 5 Claim

From To		No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
98.2 - 109.0	Calcareous Quartzite: minor arenaceous marble, generally light bluish grey to brownish grey, thick to very thick bedded, generally consists of coarse to medium coarse quartz sand in a marble matrix. Some beds are strongly phlogopitic with distorted wisps and bands of nearly massive phlogopite, abundant small pink subhedral garnets disseminated throughout unit. Weakly disseminated pyrite, pyrrhotite and magnetite occurs throughout this unit as well. 107.0 - 108.5m: rare specks of reddish brown sphalerite. This unit is weakly magnetic in core.	926	108.20		1	0	.001	.009	7
109.0 - 112.0	Biotitic-Quartz Gneiss: interbedded calc- silicate, reddish brown with light green banding, thin bedded. Biotitic-quartz gneiss, approximately 50% quartz, 50% biotite, generally very calcareous. Calc- silicate, mainly actinolite, quartz and calcite.								
112.0 - 113.0	<u>Pegmatite Sill</u> : coarsely crystalline, mainly quartz and feldspar, scattered pink subhedral garnets, abundant large black tourmaline crystals near base of sill.								

### DRILL HOLE RECORD

### Property: ARC Hole No.: A92-5 Location: Sure Bet 5 Claim METERAGE DESCRIPTION Sample From To From Pb No. To Au λq Zn Cu ppb \* 8 ppm ppm 113.0 - 115.0 Biotite-Quartz Gneiss: interbedded calc-927 113.00 1 0 .002 .001 6 silicate as described between 109.0 to 112.0m. Bedding to core $75^{\circ}$ . 115.0 - 118.0 Calcareous Ouartzite: light grey to 2 928 115.80 0 .001 .005 31 brownish grey, thick bedded, coarse grained, composed mainly of unsorted quartz sand in a calcite matrix. Scattered phlogopite throughout, weakly disseminated pyrrhotite throughout, unit is weakly magnetic. 929 125.00 118.0 - 125.5 Calcareous Quartzite: interbedded 1 0 .001 .011 176 calcareous phlogopitic quartzite, light brownish grey banded reddish brown, thin to very thin bedded, bedding distorted and sharp. Calcareous quartzite are as above. Calcareous phlogopitic quartzite beds are typically thin and strongly distorted. They consist of approximately 50% phlogopite-biotite and 50% quartz, host abundant disseminated pyrite and pyrrhotite. 930 126.20 1 0 .001 .003 12 125.0 - 178.0 Bad-Shot Formation Marble: 931 132.80 1 0 .001 .002 23 125.0 - 127.5m: calcite marble, light grey 932 144.20 1 0 .002 .006 44 with thin dark grey wispy lamina, coarsely 933 148.60 1 0 .001 .002 8 crystalline, weakly disseminated graphite, 934 164.80 1 0 .001 .002 436

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## KOKANEE EXPLORATIONS LTD. DRILL HOLE RECORD

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Property: ARC

### Hole No.: A92-5

Location: Sure Bet 5 Claim

<u>METER</u> From To		No.	From	TO	Au	Aq	Pb	Zn	Cu
<u></u>					ppb	ppm	8	8	<u>pp</u>
	· · · · · · · · · · · · · · · · · · ·	[							
	pyrite and pyrrhotite. Some thin wispy								
	limonite banding, very rare specks of brown								
	sphalerite.								
	127.5 - 130.5m: dolomitic marble, white,								
	coarsely crystalline, very rare specks of								
	graphite, very rare phlogopite, rare small								
	irregular patches of light brown limonitic								
	calcite.								
	130.5 - 134.5m: calcitic marble, light								
	pinkish brown with white banding and								
	mottling, coarsely crystalline, relatively								
	abundant phlogopite, rare disseminated								
	pyrrhotite, very rare chalcopyrite.	i i							
	132.8m: 3cm thick micaceous limestone								
	band.								
	134.5 - 144.3m: dolomitic marble, minor								
	calcitic marble, mainly white with some								
	wispy pinkish banding, relatively abundant								
	yellowish brown banding and mottling.								
	Coarsely crystalline, weakly disseminated								
	phlogopite, relatively abundant patches and								
	thin bands of calcareous limonite. rare								
	disseminated pyrite.	]							
	144.2m; 10cm limonitic zone hosts abundant								
	pyrite.	1							
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	an anna								

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## DRILL HOLE RECORD

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Property: ARC

Hole No.: A92-5

Location: Sure Bet 5 Claim

om To		No.	From	То	Au	Ag	Pb	Zn	Cu
					ppb_	ppm	₹		ppi
	144.3 - 146.9m: calcitic marble, light								
	bluish grey, coarsely crystalline, wisps								
	and patches of limonitic marble, abundant								
	irregular paper thin limonite lined								
	fractures, very weak disseminated pyrite, rare phlogopite, widely scattered vugs								
	ranging in size between 1 and 3cm, are								
	filled by talc, green and purple fluorite,								
	sericite, phlogopite.								
	146.9 - 178.4m: dolomitic marble, white,								
	coarsely crystalline, irregular hair lined								
	filled fractures throughout. Very weakly disseminated pyrite throughout.	[							
	148.6m: large vug (20cm) filled by green								
	and purple fluorite, talc, sericite.								
	163.0 - 165.5m: scattered vugs as above,								
	ranging in size from 3 to 15cm.								
	END OF HOLE	İ							
	and should in under the black Duranty								
	Core stored in racks at the Vine Property.								
	ч <b>у</b> .								
							*	-	

AA (					Kol	kanı	ne ) 10	<u>Exp</u> 4 - 1	G) 101( 35 -	atic	ons	Ltd	1. 1	PRO	TECH	r A.	-92-	-1	FL	le	# 91 Pigsi	2-0: N	266						43	A REAL
AMPLE#	Mo ppm	Ci- ppri	P5 ppn	Za ppn	A9 ppxi	Ni popul	Co ppm	Ma pro		As Pixia	U ppa	Au pos	Th PPB	Sr ppm	53 ମସ୍ପ	St) p;m	Bi Ppn	y Popor	Co %	ч Х	Le pps	Cr pin	19 3	9a pexil	71 X	s ppm	А1 Х	Ke Se	# 11 # K	1920 14
0765	1 1	79	10	41	.4	29	13	404	2.64	3	5	<b>K</b> D	2	50	. 0	2	2	79	1.87		2	3.5	1.06	15	.27	2	1.32	.25	.23	2
766	2	7	5	52	. 1	7	1	1.74	1.24	5	5	NC	1	32	. 2	7	1	14,	.42	.018	4	18	.25	62	.71	2	.55	. 11	.19	3
67	2	7	14	61	.3	7	÷.	428	1.32	1	5	ND	3	30	1	e.	5	15	.25		5	10	.25	47	-15	2	.59	.12	.33	
763	1 1	5	12	41	.3	6	2	348	.91	5	5	ND	6	105	.2	2	2	5	.76	.017	12	7	.13	84	.02	5	.35	.05	. * 6	2
769	3	Ь	14	49	.5	6	i	490	.53	5, 2	8	ND	6	251	.3	2	2	\$	2.26	.008	10	27	.07	164	.01	S		.125	, 9 Z	1
70	2	8	14	27	.6	5	2	230	.77	S	8	hù	t	23	.2	3	ż	6	.52	DUB	9	7	. 15	43	.03	2	.45	-79B	$\cdot t^{\epsilon}$	-
71	1 1	4	12	15	.3	4	3	268	.43	2	5	ND	6	128	.2	2	5	2	1.12	.012	34	6	.05	30	.01	2	. 19	.06	.10	3
00768	1 1	7	12	32	. t.	6	2	326	.80	2	5	ND	5	58	.2	2	2	6	.79	.013	12	7	.12	81	.01	2	.33	.07	.17	1
772	3	8	4	19	.4	5	1	311	.32	S	5	ND	8	167	.2	2	2	3	.70	.009	15	24	.02	271	.01	2	.22	.07	. 13	2
773	5	8	16	26	.3	3	1	283	.79	2	5	ND	6	83	.2	2	61	6	.62	.011	24	n	. 11	47	.01	2	.34	.07	. 22	7
774	1	4	10	19	.5	0	1	267	.65	2	5	ha)	5	65	.2	2	2	$\sim l^{-1}$	.59	.005	0	7	.07	24	.01	2	.21	.06	.1.1	1
75	3	ć	8	20	.1	6	5	295	.7?	2	5	ND	3	100	.2	2	3	5	.83	.071	7	2?	.12	38	. 05	2	.36	.08	.13	- 3
776	2	5	6	13	.4	4	1	306	.49	2	7	C3	7	97	.2	2	2	2	.72	.605	7	6	.06	35	.01	2	.23	05	. 13	7
777	1	4	8	14	.4	5	1	440	.49	3	13	1271	7	148	. 2	4	2	ĩ	1.22	.001	4	5	. 94	12	.01	2	.17	.04	. 14	7
ANDARD C/AU-R	19	62	36	123	7.3	68	32	953	3.85	42	22	7	35	54	18.4	17	21	60	.49	021	39	55	.90	178	.08	35	1.43	.00	. 16	1

ICP - .500 GRAW SAMPLE IS DIGESTED WITH 3ML 3-1-2 HOL-BNO3-R20 AL 95 DEG. C FOR ONE HOUR AND IS DELUTED TO 70 HL MITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR HG BA 11 B W AND LIMITED FOR NA K AND AL. AU DELECTION LIMIT BY ICP IS 3 PPM. ASSAY RECOMMENDED FOR NOCK AND EDRE SAMPLES IF CU P9 ZN AS > 1%, AC > 30 PPM & AU > 1000 FPB

- SANFLE TYPE: CORE AU\* ANALYSIS BY ACID LEACH/AA FROM 10 CH SAMFLE. Sugares beginking 'RF' are cuplicate samples.

DATE RECEIVED: MES 5 1992 DATE REPORT MAILED:

Feb 11 92 SIGNED BY . . . MYTTED. TOYE, C. LEONG, J. HANG; CERTIFIED B.C. ASSAYERS

A92-

ARC-

AA LL	A	(Çtı	C	1	- D	K	okar	neo	EXI						Fi					C	Pag	je :	1				-		4	All and a second
.4P1.E#	Ho	Cu psm	96 PDD	2rs p;pin	49 1999 1999		Co Ppm	bbu NU		As pam	U extq		Th PCC	5r ppm	Cd P(zh	Sb pt>n	Ві рюча	V ppix	Ca X	۲ ۲	L E ppm	Cr ppm	Mg X	Ba PSG	11 X	R P≎n	41 X	46 %	< 2	14
79	3	50	10	19	. 1	12	6	81	.56	4	5	NG.	1	63	.2	2	2	7	1.72	.019	4	30	.37	18	.08	2	.49	.05	. 15	
1	2	24	5	10	. 1	15	6	121		6	5	ND	7	23	. 2	2	2	7	1.4.1.94		2	\$2	.47	79	Ð6	2		.02	.32	2
2	1	6	5	30	. 7	5	1	132	.89	2	5	ЧÐ	10	12	.2	2	ć				20	7	.18		.03	ĉ		. 25	-28	5
93	1 1	95	23	62	.3	50	24	603 3		4	6	ND	1	187	.3	2	2		5.96		5		1.65		. 12			. 03	.94	2
00792	1 1	1	5	9	-1	4	1	61	.37	3	5	ND	2	38	.2	3	2	ò	1.04	. 039	7	30	.17	16	- 99	2	.25	.04	-0-	19
87	2	4	5	11	.1	8	2	222	.61	3	5	ND	3	32	.2	2	2	ß	2.59	510.	3	34	35.	10	.98	2	.33	.02	. 13	-
90	1	101	5	24	.5	12	5	140	1.19	6	5	ND	3	19	,6	2	2	11	1.28	650.	7	16	.52	58	.10	2	. 7. 7	.65	.25	1
91	1 2	65	6	37		11	1.	312		2	5	ND	٦	40	.2	Z	2		.89		3	35	.42		. ? 1	2	.71	.65	. 30	1
'92	1	5	5	a	. 1	4	1		.34	3	5	ND	5	36	.2	2	2		1.12		6	8	.18		.87	2	. 24	06	- 95g	1
94	1	22	3	74	.2	104	33	179 3	2.58	2	5	ND	1	4	.2-	2	2	35	1.60	.098	2	96	1.12	3	.12	2	1. 12	, ¢ t	$.6^{\circ}$	1
95	5	22	5	7	.1	16	7		1.19	4	5	64	2	41	.2	Ż	S		.93		6	29	31		. 62	2	1.32	. \$6	.01	1
93	1	355	2	32	. 5	27	22	361 3		5	3	140	3	29	-2	2	3	100	2.02		5	23	.98		- 36	2	1.42		1.112	
101	1	P.4	9	12	.2	18	6	149	BB	3	5	85	L	51	.2	2	2	10	.90		- 6	74	.28		.94	2		.07	. 74	5
202	2	12	26	15	. 1	5	1	103	.45	3	5	140	4.	17	.2	2	5	1			10	20	.02	21	-01	<i>e.</i>		194		
63	2	5	14	55	-1	5	1	128	.45	4	5	ND	4	30	-5	2	2	1	.41	.015	11	5	.03	51	.01	ě.	.26	114	. 14.	3
ж	2	55	7	12	.1	5	1	107	, 87	: 3	5	សព	$t_{t}$	37	.2	2	2	1		016	B	4	.02	15	.01	2		.03	.75	
05	1 2	7	14	10	- 1	7	2	104	.69	3	5	HD	2	23	.2	5	2	5		.909	Б	36	. 15		-01	ŝ.	1. 25	192	- 17	1
-06	1 2	4	5	11	- ?	12	3	77	. 65	3	5	ND	28	50	.2	5	2	4		.010	75	12	.1:		. 03	2		. 15-	, 1E	
WDARD C/AU-R	1 20	0.5	10.5	138	1.3	13	3.5	1034 4	4.63	41	2.2	G	47	54	19.0	12	6.00	63	.50	.097	14.3	59	90	183	. 69		144	.410	- 355	110

ICP - .500 GRAM SAMPLE IS DICESTED WITH 3ML 3-1-2 HCL-RND3-N20 AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WIGH WATER. THIS LEACH IS PARTIAL FOR MH FE SP. CA P LA CR MG BA TI B W AND LIMITED FOR MA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PM 2N AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: COPE AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. <u>Samples beginning 'RE' are duplicate samples</u>.

DATE RECEIVED: FOR 12 1992 DATE REPORT MAILED: Feb 20/92 

A92-2

ARC.

Rokanes Explorations Ltd. FILE # 92-0310

SAHPLE#	MO	Cu					Co	Mn	Fe		U	Au	Th	Sr	Ed	5b	Вī	v	CA	P	La	Cr	Ng	Ba	Ti	B	AL	Hn	×		1979 a		Fd**
	'ppm	ppn	ppm	in the second	bbyu	pom	pixn	ppm	10	<b>bbu</b>	ppm	por	ppm	bixu	pixua.	ppm	ppin	Plan	4	Ā	ppiti	p(xn	3	b(x.)	3	ppm				Pixl)	ppia	bby)	600
00778	1 1	104	3	61	.2	34	19	469	3.58	2	5	ND.	1	27	3	2	2	90	2.37	.075	5	28	.21	36	.38	2	1.42	.22	.19	2	0	Ģ	7
00780 /s or	1	5	2	45	. 1	202	15	124	1.95	2	5	ND.	1	15	.7	2	2	43	1.11		10.00	221.2			.20				.67	1	8	10	
00785 -	1 1	91	10	37	.1	64	23	347	2.95	2	5	45	1	71	.2	2	2		2.65			\$6 1			. 19		1.36		.11	1	t.	50	
10785 Am	1 11	895	3	37	.7	49	41	609	5.64	2	5	KD.	1	22	.5	2	2	104	2.20	.138	4	28 1	1.27	19	.41	2	1.63	. 14	. 15	1	T	16	2
0786 P-A	11	216	3	21	.2	85	20	282	2.08	S	5	40	1	22	2	z	2	60	1.49	.059	2	79	.95	7	.31	2	.97	.12	.14	2	5	£.	\$
0788	1.	73	2	51	5	664	72	570	4.76	2	5	HD.	1	97	2	2	2	จก	5.59	022	21	59120	\$ 2.6	(in)	10	2	7.76	02	1.40	1	1	5	
00789	A	507	3	24	13				3.16		5	ND	1	20	2	2	3		1.78			56 1			37		1.29			1	0	10	1
0793	1 1	925	9	28	.6	62	43	5.5.5.8	2.56	- 10 M	5	RD	1	31	.2	2	3		1.68		2	122.01	.54	3	.17	2	.93		.06	1	15	1	2
0796	1 1 1	291	2	22	.2	51	40	165	4.30	2	5	NO	1	62	.2	2	2		1.27		2	20	.70	8	17	4	20.1	.11	.04	1	7	- 5	2
0797	1 1	110	2	18	. 1	53	23	202	2.32	2	5	ND	1	34	-2	2	2		1.57		2	48	.96	5	. 12	2	1.64	.15	.04	٩	4	ç	1
0797	1 1	284	2	53	.2	25	18	308	3.47	Z	5	NC	1	16	.2	2	z	95	1 87	. 174	2	22	35.	23	.35	2	1.33	. 16	.17	۲	7	8	1
E 00793	1 1	047	7	30	. 8	61	45	170	2.13	2	5	ND	1	32	.2	2	2	55	1.77	.190	2	26	.56		.18	2	.98	.05	.00	7	12	3	2
00800	1 1	59	2	33	.1	1845	22	228	2.45	2	5	NO	1	13	.2	2	2	52	1.20	.048	2	185.12		59	.31	2	1.68	.08	, 44	î.	i.	5	
TANDARD C/AU-10R	20	63	45	135	7.3	13	33	1034	4.03	43	22	E	41	54	19.0	15	23	51		.097				183	120	32	1.84	.06	. 15	11	477	473	41.

Fage 2

Sample type: CORE. Samples beginning 'RE' are duplicate complex.

A92-2 ARC

ACHE ANAL!	PAL I	ABON	ATOP	I E S	2,413)	•	8!	52 E	. BA	STI	NGS	Śĩ.	•	):000	ER	e.c.	v	6n 1)	16	2	ROM	\$(60	4)25	3-3	2.55 1	Jeo	4) 35	1-17	21
ALL.					Koka	10	4 - 5		oral	cion	ns 1 ., cr	enbro	. Pl	ROJI Vic	CT	ARC	n itted	CATE File by: 0	e ∦ 1F	IGMIN				ł		×			
SAMPLE#	Mo Cr ppn ppr		Zn ppin	٨g	សរ	Co ppa	Max	50	AS ppa	U	Au	Th	Sr	Cd p;xn	\$0	Bi ppo	٧	1.0 5.	₽	1.0	Cr proi	Mg L	8.a Pern	31 3	B AL Spei A	на •	k K		Au <sup>4</sup> PD <sup>2</sup> 2
00907 00908 00909 00915 00915 00911	2 30 2 30 1 290 4 0 1 260	5 4 5 13	7 24 162 3 27		7 3 114 7 72	1	58 237 1611 1621 338	9.55	NUMBER	55645	kd ko hd No nd	65231	10 18 45 208 18	N.N.N.N.N.	22222	2 11 2 20 23	3		.009	11 2 7 2	31	.05 .28 2.07 .21 1.03	38 30 171 3 5	.02 .06 .60 .01 .31	2 .23 2 .59 2 3.51 2 .12 4 1.13	. (11)	. 13 . 36 1.98 . 02 . 16	NETEN	52255
00912 00913 00914 00915 00916	1 308 2 20 1 926 1 135 1 157	4 3 5 2 7	50 42	.1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	38 7 105 37 28	1 43 17	579 336 609 401 565	.80 5.11 3.25	NININN	うちちかう	80 80 80 80 80	13111	45 11 17 25 12	-2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	2222	OF N N N N F4	83 5 92 77 90	2.22 .25 2.96 1.99 1.86	.096 .043 .106	10 10 10 10 10 10 10 10 10 10 10 10 10 1	37 12 36 27 17	.09 .27 1.37 .94 .85	8 15 95 3 22	.46 .05 .33 .34 .34	3 1.36 3	. 13 .28	.28 .72 .07		3 7 7 7 7
00917 00918 00919 00919 00919 00919 00919 00917 00917 00917 00917 00917 00917 00917 00917 00917 00917 00917 00918 00918	1 110 1 71 1 20 1 730		63 108 61 78 28	17.163	158 97 254 295 35	34 25 37 42 36	983 640 741 486 875	4.38 5.40 5.30	27223	50400	nd Ng Ng Ng Ng	1 5 1 2 1	186 108 150 32 14	12344	2222	N N PI PI PI	45		.130 .159 .225	23 4	281 158	1.54	301 51 665 64 159	135 125 149 142 155	2 2.07 2 1.75 2 3.17 2 1.93 7 2.45	.07 .23 .11	.30 1.72 1.45		1 1 6 3 1
00922 00923 00924 00925 00925 00926	1 78 1 41 2 161 1 321 1 1	7 2	28 17 93	.1 .3 .1 .2	50 47 45 43 7	23		2.55 6.65	さんかん	55557	36 110 110 110 110	13 1 4 1 3	18 173 43 48 15 19	????5	22222	NEWNER	110	.59 2.39 1.58 2.95 31,49	.063	17 2 14 2 8	37 18	1.52 .80 .78 5.2P .39	60 3 13 7 4	,13 ,29 ,01 ,40 ,02	2 2.00 3 2.52 2 1.34 2 2.04 2 .23	.04 .74 .93 .99 .99	1.66 (54 (17) (17) (17) (17)	$= f_{1} \cdot f_{2} = 0$	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
00927 00928 00929 00930 00931	3 1 1 31 3 177 1 12 1 23	1 9 5 3 6	112	.2.2.1	7 17 96 9	7	139 562 430 134 353	.80	24222	87758	ND ND ND ND	23415	14 201 107 376 37	shows.	2222	244222	79 6	.52 17.09 7.18 29.10 15.52	.121 .044	2 5 9 10 5	6	.06 .76 1.80 .26 6.34	2 8 40 5 11	.01 .13 .13 .01 .01	3 .30 2 .84 2 3.55 2 .26 2 .59	.10 .05 .12 .01 .01	.13 .28 .46 .02 .29	1.7	6 [] e + 1
00932 00933 RE 00929 00934	2 44 3 163 3 163 1 430 17 55	2 2 3 3	62 15 113 19 137	.1 .3 .3 7.3	65 11 97 58 75	19 1 23 40 33	753 18 429 75 1097	80. 79.0	7 3 5 2 43	5 9 5 16	ND ND ND ND 8	1 3 39	61 9 105 61 52	2. 2. 2. 18.9	2 0 2 2 2 2 15	20	4	17.59 1.58 7.13 4.73 .56	.152 .118	4 2 9 9 3 9	73 70 50	7.81 .41 1.79 2.10 .91	8 5 40 49 187	.01 .01 .13 .01 .10	2 .20 2 1.67 2 3.57 6 .93 34 1.92	.63		42 14 14 14 14 14	) 1 1 470

ICH - .500 GRAM SAMPLE IS DIGESTED WITH 3ME 3-3-2 HCL-HNOS-NZO AT 95 DEG. C FOR DNE HOUR AND IS DIJUTED TO 10 ML HITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR DA P LA OR NG BA TI B W AND LINIFED FOR NA K AND AL. AU DETECTION LINIT BY ICP IS 3 PPH. ASCAY RECOMMENDED FOR ROCK AND FORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: CORE AU\* ANALYSIS BY ACID LEACH/AA FROM 10 GN SAMPLE. <u>Samples beginfring /RE/ are duplicate samples</u>.

ADC.