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KOKANEE EXPLORATION:	sFhL@diO:	<del></del>		

### REPORT ON DIAMOND DRILLING Holes D91-1, D91-2, D91-3 & D91-6

DARLIN 26, 63 & 64 CLAIMS

FORT STEELE MINING DIVISION KIMBERLEY AREA

### ASSESSMENT REPORT

N.T.S. 82F/9E

<u>LAT</u>: 49<sup>0</sup>36'

LONG: 11606'

OWNER

GLEN M. RODGERS
Box 63,
Skookumchuck, B.C.
VOB 2E0

OPERATOR

KOKANEE EXPLORATIONS LTD. #104 - 135 - 10th Ave. S., Cranbrook, B.C. V1C 2N1

Worked Performed from October 3, 1991 to October 24, 1991

GEOLOGICAL BRANCH

Report by: DavAdSLS FiShSnM ENT REPORT Submitted: March, 1992

22,252

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### KOKANEE EXPLORATIONS LTD.

#### REPORT ON DIAMOND DRILLING

#### DARLIN PROPERTY

#### FORT STEELE MINING DIVISION

D.L. Pighin

March, 1992

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

This report summarizes the results of the drilling of four holes on the Darlin property.

Kokanee Explorations Ltd. is the operator of the project on the property. Kokanee Explorations has the right to earn backin 60% to production. A total of 1138.8 metres of diamond drilling was completed in the four holes.

### 2.00 Property Description, Location and Access

The Darlin property consists of 68 2-Post claims which are located 14 kilometres southwest of Kimberley, B.C. Road access to the property is best gained via all weather logging from Cranbrook, B.C. The property is serviced by numerous Forestry roads.

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

The Purcell Supergroup in southeastern B.C. is a thick prism of dominantly clastic sediments, deposited in a large epicratonic Middle Proterozoic basin. These sedimentary rocks form a monotonous succession of drab coloured siltstone, mudstone, lessor quartz arenite, dolomite and limestone. The maximum thickness of the Purcell Supergroup exceeds 10,000 metres with the base unexposed.

In Canada, the Purcell Supergroup is subdivided into eight distinct Formations. The base of the Supergroup is marked by the Fort Steele Formation, consisting mainly of cross-bedded quartzites and mudstones. The Fort Steele Formation is at least 200 metres thick. The Aldridge Formation is 5000 metres thick in the Purcell Mountains. The Aldridge Formation conformably overlies the Fort Steele Formation and consists of mainly siltstone and mudstone. The Creston Formation is 1800 metres thick and conformably overlies the Aldridge Formation. The Creston Formation

consists of green and maroon siltstone, quartzite, mudstone and minor arenite. Conformably overlying the Creston Formation are 1200 metres of green and grey dolomitic mudstone, dolomite, minor quartzite of the Kitchener Formation. The Kitchener in turn is overlain by 200 to 400 metres of green, slightly dolomitic and calcareous mudstone of the Siyeh Formation. Resting with conformity on the Purcell rocks are about 1200 metres of calcareous and dolomitic mudstone, black slates and minor siltstone of the Dutch Creek Formation. The Dutch Creek Formation is overlain by about 1000 metres of grey, green and maroon mudstone, calcareous mudstone, dolomite and white quartzite of the Dutch Creek Formation.

Middle Proterozoic igneous activity in the Purcell Basin is dominated by intrusion of gabbroic sills and lessor dykes. The pegmatitic Hellroaring Creek stock and related satellites intruded metamorphosed and deformed Aldridge sediments. The Hellroaring stock is Proterozoic in age (Ryan and Blenkinson, 1971). Cretaceous batholiths, stocks, plugs and dykes are relatively common throughout the Purcell Basin.

Purcell rocks are folded about a north-trending axes to form the Purcell anticlinorium. Folds comprising the large structure are open and gentle with north plunging axis. Major faults with complex movement cut the Purcell terrain and separate the area in large regions further disrupted by block faulting.

### 4.00 Property Geology

The Darlin claims are underlain by Proterozoic clastic sediments of the Middle and Lower Aldridge Formations. These sediments are intruded by gabbroic sills and dykes, pegmatite sills and dykes.

The Lower Aldridge Formation is principally thin to medium bedded meta-siltite, interbedded phyllitic siltite, phyllitic argillite and/or muscovite schist.

The Middle Aldridge Formation is formed by medium to thick bedded, rarely very thick bedded meta-siltstone, minor quartz arenite interbedded thin to very thin bedded siltites, argillites and minor muscovite schist.

Gabbroic sills account for approximately 1/3 of the total section. The gabbroic sills range from 11 metres to 170 metres in thickness and are typically medium to coarsely crystalline commonly grading to finely crystalline towards the contacts.

Pegmatite sills and dykes occur mainly in the Lower Aldridge Formation. These pegmatite sills and dykes generally range in thickness between 1 and 2 metres. The pegmatites are composed of very coarsely crystalline feldspar, quartz, muscovite, biotite and minor tourmaline.

Structure on the property is dominated by a large northeast trending synform which is complicated by a zone of northwest dipping? thrust faults.

A northeast belt of high grade metamorphism cuts the northern portion of the property. The south end of the metamorphic belt is terminated against the Hellroaring stock. The northern end of the belt ends near the mouth of Matthew Creek were it is marked by sillimanite schist.

### 5.00 <u>Mineralization</u>

On the Darlin property, massive sulphide beds are found near the top of the Lower Aldridge. Groups of sulphide beds have been identified in two separate stratigraphic horizons. The sulphide beds range from 2 to 30cm in thickness. The sulphides consist of mainly massive pyrrhotite with minor sphalerite and rare galena. Sediments which form the footwall and hanging wall of the sulphide beds are commonly albitized? (silicified) and chloritized.

### 6.00 <u>Diamond Drillholes</u>

Diamond drillholes D91-1 to D91-3 were collared near the top of the Lower Aldridge Formation. All of the above holes drilled through the same stratigraphic package. Therefore, the following description of the meta-sediments in hole D91-2 will be referred to in the other 2 holes.

### 6.01 Diamond Drillhole D91-2

Diamond drillhole D91-2 is located on the Darlin 63 claim. The sediments cored by this hole are typical of the Lower Aldridge Formations. They are medium to very thin bedded meta-siltites interbedded phyllitic siltite, argillite with minor interbeds of muscovite schist. The sediments are typically very fine grained. Colours are generally grey, greenish grey and maroon. Bedding planes are commonly flat and sharp. Biotite and lessor sericite is abundant in most of the siltite beds. Silicification is intense in some sections but generally it is patchy throughout the section. Chloritization of the sediments is weakly pervasive. Weakly disseminated pyrrhotite is present in most of the sediments.

Hole D91-2 cored a gabbroic diorite sill from the collar to 49 metres. The sill is generally coarsely crystalline and pyrrhotiferous. A similar sill occurs in the hole between 386.8 and 422.6 metres.

Several pegmatite sills were cut by the hole. These sills are rarely more than a metre thick. The pegmatite consists mainly of coarsely crystalline biotite, feldspar, quartz, muscovite, scattered tourmaline needles and pink garnets.

A fault zone at 432 metres cuts the core axis at  $42^{\circ}$ . The fault consists of gouge and brecciated sediments 30cm thick.

Mineralization in the hole consists of massive sulphide beds scattered throughout the stratigraphy from 139.0 metres to 350 metres. The sulphide beds consist principally of pyrrhotite with minor sphalerite and rare galena. Sulphide beds range from 4 to 30cm in thickness. Alteration zones up to a metre thick consisting of chloritization and albitization? (silicification?) occur along the footwall and hanging walls of the various sulphide beds.

At 432.0 metres a fault cuts the core axis at  $40^{\circ}$ . The fault is marked by 30cm of gouge and breccia sediments.

#### 6.02 Diamond Drillhole D91-1

Diamond drillhole D91-1 is located on the Darlin 26 claim. This hole cored Middle Aldridge meta-sediments from 24.5m to 47.9m as described for hold D91-2.

A large pegmatite sill occurs in the hole between 47.9m and 95.4m. The sill consists mainly of quartz, feldspar, muscovite, minor pink garnets, rare disseminated pyrrhotite and pyrite.

A gabbroic diorite sill immediately underlies the pegmatite sill. The gabbroic sill is medium to coarsely crystalline and pyrrhotiferous. The hole was stopped in the sill.

Sphalerite and molybdenite is very weakly disseminated in pegmatite sill adjacent to its lower contact.

### 6.03 Diamond Drillhole D91-3

Diamond drillhole D91-3 is located on the Darlin 64 claim. The hole cored Lower Aldridge stratigraphy as described in D91-2. The hole intersected a gabbroic diorite at 135.7m. The sill is coarse grained and pyrrhotiferous. The hole was stopped in gabbroic diorite.

Mineralization in the hole consisted of one massive sulphide bed at 67.3m in the hole. The sulphide bed is 20cm thick and consists of mainly pyrrhotite with minor sphalerite and galena.

### 6.04 Diamond Drillhole D91-6

Diamond drillhole D91-6 is located on the Darlin 64 claim. This hole cored Lower Aldridge stratigraphy as described for hole D91-2.

A fault between 112.8 m and 113.6 m cuts the core axis at 45°. The fault zone consists of gouge brecciated sediments.

A pyrrhotiferous gabbrioc-diorite sill occurs from 233.7 m to 278.8 m. A meta-siltite bed at 295.0 m hosts 30 cm of heavily disseminated pyrrhotite associated with strong albitization? (silicification?) and chloritization. A massive sulphide bed mainly pyrrhotite 20 cm thick occurs at 312.2 m and at 310.5 m a graphite garnet vein cuts core axis at  $55^{\circ}$ .

#### 7.00 Conclusion

Diamond drilling on the Darlin claims has discovered a number of massive beds which are grouped in at least two stratigraphic horizons. The manner and type of massive sulphide deposition is similar to the sulphide beds which are distal to the Sullivan Orebody. The best lead and zinc values were found in holes drilled in the southeast area of the property. This suggests that the southeast holes are nearest to a potential economic deposit.

### 8.00 <u>Recommendations</u>

Further down dip, drilling is warranted especially in the southeast area of the Darlin claim group.

Report by

David L. Pighim Senior Geologist

Kokanee Explorations Ltd.

### EXHIBIT "A"

### STATEMENT OF EXPENDITURES

DIAMOND DRILLING PROGRAM (Drill holes D91-1, D91-2, D91-3 & D91-6)

ON DARLIN 26, 63 + 64 CLAIMS Ft. Steele M.D.

Covering the period of October 3rd to October 24th, 1991

### DIRECT

Connor's Drilling Ltd.
2007 West Trans Canada Highway,
Kamloops, B.C.
- 4 diamond drillholes totalling 1138.4 m
(invoices #16527 & #16533)

<u>85,671.17</u>

TOTAL DIRECT = \$85,671.17

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 DARLIN 26, 63 AND 64 CLAIMS

#### KIMBERLEY AREA

in the Fort Steele Mining Division of the Province of British Columbia

More Particularily N.T.S. 82F/9E

### AFFIDAVIT

- I, David L. Pighin, 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;
- 2. That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a diamond drill program, on the Darlin 26, 63 and 64 Mineral Claims;
- 3. That the said expenditures were incurred between the 3rd day of October, 1991 and the 24th day of October, 1991 for the purpose of mineral exploration.

DAVID L. PIGHIN Senior Geologist

### AUTHOR'S QUALIFICATIONS

- I, David L. Pighin, of the City of Cranbrook, 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.

DAVID L. PIGHIN

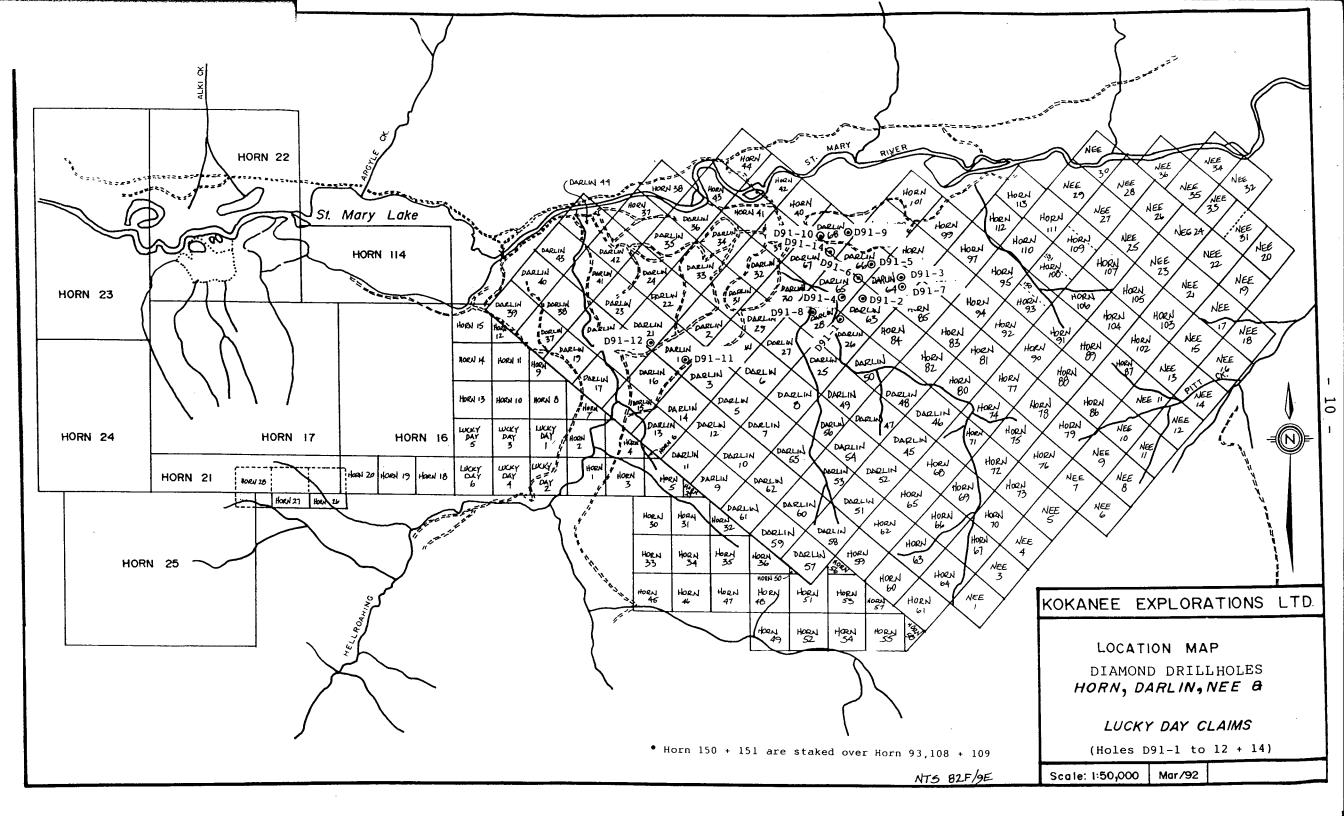
Senior Geologist

### ENDORSER'S QUALIFICATIONS

- I, Laurence Stephenson, of the City of Cranbrook, in the Province of British Columbia, do hereby certify that:
- I graduated from Carleton University in 1975 with a Bachelor of Science degree in Geology then, in 1985, graduated from l. York University with a Masters of Business Administration;
- I am registered as a Professional Engineer for the Province of 2. Ontario (1981) and currently a member in good standing;
- I have had over 24 years experience in the field of mining 3. exploration.
- I have known and worked with Mr. David Pighin professionally 4. since 1988.

LAUKENCE STEPHENSON

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



### KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Page No. 1

Name of Property: DARLIN

Corr. Dip:

Remarks:

Hole No.: D91-1

Length: 161.5m

Co-ordinates: Lat.: 490,36', 8" Long.: 1160, 6',24" Finish Date: October 5, 1991

Location: DARLIN 26 Claim

Start Date: October 3, 1991

Elevation: 1182m

Azimuth: 060°

Collar Dip: -45°

Core Size: NO

Tests at:

Logged by: D. PIGHIN Date:

From To		No.	Prom	То	Au	Ag	Pb	Zn	Cu
					ppb	ppm	8	8	ppm
0.0 - 16.5	Overburden.								
16.5 - 19.2	<u>Siltstone</u> : light grey to grey, thin bedded, bedding to core 18°. Lower contact of unit is a clay band possibly indicating that this is in fact part of the overburden. The unit is weathered with abundant veinlets and thin bedding parallel laminations of limonite.								
19.2 - 24.5	<u>Siltstone</u> : light grey to dark grey, thin bedded, occasional interbeds of light grey argillite. Abundant coarse grained biotite throughout. Bedding to core 67°. Mineralization consists of weakly disseminated pyrite. Fracture surfaces are coated with limonite.								

Page: 2

Property: DARLIN Hole No.: D91-1 Location: DARLIN 26 Claim

METERAG	E DESCRIPTION	Sä	mpl	e					
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
		•			ppb	ppm	8	8	ppm
24.5 - 35.7	Siltstone: light grey to grey, thin to medium bedded, interbedded with grey argillite. Abundant biotite throughout. Bedding to core 70°. Mineralization consists of weakly disseminated pyrite as well as a 2cm band of pyrrhotite and quartz at 33.9m and an 8cm band of strongly disseminated pyrrhotite at 34.6m.								
35.7 - 47.9	Siltstone: grey to light grey, medium bedded to thin bedded, occasional layers of grey argillite, abundant biotite throughout. Bedding to core 71°. Mineralization consists of disseminated pyrrhotite and pyrite as well as bands of heavily disseminated to nearly massive pyrrhotite from 5mm to 2cm thick as at 36.0m, 37.8m, 41.5m. Altered garnets? are present 38.1m.	3846 3847 3848	48.70 50.60 61.40 77.95 92.30	48.90 50.75 61.55 78.10 93.00	3 9 3 34 5	0 0 0 0 2	0.003	0.001 0.001 0.001 0.002 0.015	34 7
47.9 - 95.4	Pegmatite: albite, muscovite garnet pegmatite. Contact at top is conformable with bedding and cuts the core at 55°. Occasional splashes of pyrite and pyrrhotite are present as are other minerals in minor amounts. Sphalerite and MoS, occur as separate grains from 92.3 -93.0m.								

Property: DARLIN

Hole No.: D91-1

Location: DARLIN 26 Claim

Page: 3

METERAG From To	E DESCRIPTION	No.	rom From	То	_ Au ppb	Ag	Pb %	Zn %	Cu
95.4 - 97.5	Fault Zone: consists of sheared and slickensided gabbro and pegmatite along with chloritic gougy material. Shear to core angle 140?				pps	ppm		70	
97.5 - 161.5	<u>Gabbro</u> : finely crystalline at top contact grading to coarsely crystalline at end of hole. The unit also becomes pyrrhotiferous with depth. Occasional cross cutting quartz and pyrrhotite veins occur throughout unit. A massive pyrrhotite vein occurs from 131.5m - 131.8m and cuts the core at 27°.	3850 3851	131.50 146.30	131.80 146.80	5 3	1 0	0.001	0.005	564 55
	END OF HOLE								
	Core stored in racks at Vine Property								

### KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Page No. 1

Name of Property: DARLIN

Corr. Dip:

Remarks:

Hole No.: D91-2

Length: 451.2m

Location: DARLIN 63 Claim

Start Date:

Co-ordinates: Lat.: 490,36',10" Long.: 1160, 6',10" Finish Date: October 10, 1991

Elevation: 1176m

Azimuth: 060°

Collar Dip: -450

Core Size: NQ

Tests at:

Logged by: DLP

Date:

METERAC	E _ DESCRIPTION	Sa	m p 1	e					
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
					ppb	ppm	<u>ፄ</u>	8	ppm
0.0 - 6.0	Overburden.								
•		3852	10.20	10.35	9	0	.002	.01	59
.0 - 29.0	Gabbro: phaneritic, equigranular, dark	3853	14.00	14.15	5	0	.001	.006	37
	grey, mainly hornblende and plagioclase from 6.0m to 17.0m; abundant pyrrhotite as 2mm to 1cm sized blebs, rare specks of chalcopyrite, up to 3% pyrrhotite. At 16.6m, 4cm thick quartz pyrrhotite vein cuts core at 40°.	-	16.60	16.64	4	Ō	.001	.009	330
9.0 - 49.2	Gabbro: fine grained, strongly foliated at 25° to core; abundant sericite and leucoxsin; some sideritization along foliation plains. From 30.4 to 30.9 oxidized siderite-quartz vein cuts core at 6°.	3855	30.50	30.90	6	0	.001	.01	27

Page: 2

Property: DARLIN Hole No.: D91-2 Location: DARLIN 63 Claim

<u>IETERAG</u>	E DESCRIPTION		mple	То	7		n.	7 10	O.,
rom To		No.	From	то	_ Au ppb_	Ag ppm	Pb %	Zn %	Cu ppm
19.2 - 93.6	Sericite-Biotite Phyllite: medium to thin bedded, bedding plains flat-sharp, biotite and sericite coarsely crystalline. Some thin interbeds of muscovite schist, 1 to 3% disseminated pyrrhotite through-out section. (Meta-Lower Aldridge alteration consists of silicification as at 61.4m, 64.3m, 71.2m - 72.1m, 75.1m; Albitization as at 50.8m, 53.2m, 54.1m, 55.2m, 57.3m, 60.7m, 67.5 - 68.0m, 68.8 - 69.2m, 72.7 - 72.9m. Pegmatites occur from 62.7 - 63.0m and 74.0 - 74.3m - pegmatites are albite, muscovite and garnet and occur as dykes. The contacts are wavy and appear to cut the core at 42° for the lower unit and 69° for the upper unit. Bedding to core at 76.6m is 63°, foliations cut the core at 44°.	3856 3857	62.70 74.00	63.00 74.30	6 4	0 0	.001	.003	3 5
93.6 - 145.4	Siltstone: grey, thin bedded, biotitic, frequently demonstrating characteristics of previous unit with regard to metamorphism but over very short intervals. Bedding to core 75°. This unit is more typical of Lower Aldridge formation. Alteration consists primarily of silicification in infrequent occurrences. Sulphide occurs as disseminated pyrrhotite and in rare	3858 3859		106.80 143.10	6	0 3	.006	.001	7 88

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Property: DAF M E T E R A G		No.: I	)91-2 1 m 10 l (	, e		Locat	ion: D	ARLIN 6	3 Claim
From To		No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
	veinlets throughout unit. Where foliations are obvious, they cross-cut the bedding.								
*	A pegmatite unit that is sub-parallel to bedding occurs from 106.6 to 106.8m. The upper contact is sharp but appears to have partially eroded the bed at an angle other than the bedding plane; the lower contact is wispy and appears to be sub-parallel to bedding. Bedding to core 69°, dyke to core 74°, 106.6m.								
	Sulphides also occur in bands of mostly pyrrhotite up to 10cm thick as at 142.9m as well as in veinlets up to 3mm thick as at 142.7m - galena, sphalerite.	2060	157.60	157.00		1	0.1	or	405
145.4 - 179.3	Siltstone: light grey, thin to medium bedded; thin bands of medium crystalline biotite, muscovite phyllite occur throughout unit but are more common near the top of the unit. Disseminated pyrrhotite is common throughout unit and averages 1 to 3%. Where foliations are discernable, they cross-cut the bedding, foliation to core angle 28°, bedding to core 74° (at 152.8m). Alteration consists of silicification and albitization.	3861 3862	161.50	157.90 161.80 162.10	6 1 5	0 0	.01 .001 .001	.05 .006 .009	495 163 167

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Location: DARLIN 63 Claim

Property: DARLIN

Hole No.: D91-2

METERAGE DESCRIPTION Sample From To No. From To Pb Zn Au Ag Cu ppb\_ ppm ppm The albitization appears to coincide with the presence of banded sulphides. Bedded sulphides occur as follows: 151.6m - 4cm - pyrrhotite bands 157.6m - 30cm - pyrrhotite bands and massive pyrrhotite 161.5m - 30cm - pyrrhotite bands, nearly massive 162.0m - 10cm - pyrrhotite bands, nearly massive 167.6m - 3cm - nearly massive pyrrhotite band 179.3 - 245.1 Siltstone: grey to light grey, thin to 3863 195.30 195.60 .002 . 67 102 medium bedded, occasional muscovite biotite 3864 233.40 233.60 .001 .006 381 phyllites tending to schists up to 30cm thick are present throughout unit. Pyrrhotite is common and present in volumes of 1% to 3% as in all units logged to date. The top of the unit is marked by a crushed and fractured zone with minor shearing. Alteration consists commonly of silicification throughout the unit and rare albitization. Bedding to core 73°. As in previous unit, foliations cross-cut the bedding at a high angle. Foliation to core 21°. Mud seam at 243.8m

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Property: DARLIN Hole No.: D91-2 Location: DARLIN 63 Claim

METERAG From To	E DESCRIPTION	No.	From	To	Au	ÞΑ	Pb	Zn	Cu
10111			1 2 0		ppb	ppm	8	8	ppm
	195.3 - 195.6 - bedded sphalerite pyrrhotite. 233.4 - 233.6 - bedded pyrrhotite.								
45.1 - 246.9	<u>Pegmatite Sill</u> : albite, muscovite are the main minerals with minor iron sulphides. Contacts are clean and sharp and cut the core at 75°.	3865	246.65	246.90	3	0	.001	.003	4
46.9 - 253.0	<u>Meta-Siltstone</u> : typical of the Lower Aldridge as described previously.								
53.0 - 254.6	Minette?: dyke cuts the core at 39° with clean, sharp contact.								
54.6 - 256.5	Meta-Siltstone: as previously described.								
56.5 - 257.4	Minette? Sill?: contacts are wavy and cut the core at $75^{\circ}$ .								
257.4 - 285.4	Siltstone: grey, thin bedded, sericitic and biotitic, as in previous units 1% to 3% pyrrhotite is present throughout.  Occasional layers of schist occur throughout unit. Silicification is common and much more frequent than in previous units. Mineralization consists of various bands of heavily disseminated to near	3866	285.00	285.10	5	0	.002	.004	268

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Property: DARLIN Hole No.: D91-2 Location: DARLIN 63 Claim

METERAG	E DESCRIPTION	S a	mple	<u> </u>					
From To		No.	From	То	_ Au	Ag	Pb	Zn	Cu
	massive pyrrhotite as well as a single impressive pyrrhotite concretion. Examples: 274.0 - 3cm pyrrhotite, pyrite band 283.9 - 15cm pyrrhotite concretion 285.0 - 10cm pyrrhotite bed - heavily disseminated.				<u>dqq</u>	<u>PPM</u>	<b>%</b>	<b>- %</b>	<u>ppm</u>
285.4 - 286.2	Pegmatite Sill: muscovite albite. Sample: 285.4 - 285.75	3867	285.40	385.75	1	0	.001	.001	4
286.2 - 320.0	Siltstone: thin bedded, grey, sericitic and biotitic, some chloritic alteration, occasional silicification is present throughout unit as in previous units more schistose bands of rock are distributed throughout the section, however, the schistose nature is less intense than in previous sections. On occasion some of the beds are crenulated. Mineralization consists of 1% to 3% disseminated pyrrhotite and rare thin veinlets of pyrrhotite (1 ~ 3mm) as at 292.3m and 297.2m as well as rare thin beds of pyrrhotite (<3mm) as at 290.0m. Bedding to core 75°.								

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Property: DARLIN Hole No.: D91-2

Location: DARLIN 63 Claim

<u> </u>	E DESCRIPTION	No.	<u>m p l ∈</u> From	To	Au	Ag	Pb	Zn	Cu
From To		NO.	FI OIII	10	_ nu ppb	ppm	_ %	8	<u>ppm</u>
320.0 - 337.5	Siltstone: as described above, alteration consists of silicification and albitization. Albitized sediments are more common than in previous unit.  Mineralization consists of disseminated pyrrhotite throughout (1% - 3%) and occasional veinlets or pyrite and pyrrhotite. Pyrrhotite is also present in bands as follows:  321.lm - 4cm band of strongly disseminated; 326.4m - 20cm band of heavily disseminated to massive pyrrhotite; 321.lm - 6cm of strongly disseminated; 321.5m - 5cm of strongly disseminated. Bedding to core 75°.	3868	326.40	326.60	6	0	.001	.007	218
337.5 - 338.6	Lamprophyre Dyke: contact angle 47° to core sub-parallel to bedding. Contacts are clean and distinct.								
338.6 ~ 374.9	Siltstone: as described previously. Alteration consists primarily of albitization and silicification. Occasionally chloritic alteration is present as well and in particularly noticeable on fracture surfaces. Minor crushing/shearing occurs at 345.9m, 346.3, 351.7m. Mineralization consists of 1% - 3%		344.90 347.30	345.00 347.40	<b>5</b> 69	0	.005	.02	320 594

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Location: DARLIN 63 Claim

Property: DARLIN

Hole No.: D91-2

Sample DESCRIPTION METERAGE\_\_\_\_ From Au Ag Pb Zn Cu To From To No. ppb 8 ppm ppm disseminated pyrrhotite and pyrrhotite in bands as follows: 347.3m - 8cm of massive pyrrhotite. Bedding to core at 357.5m, 72°. 374.9 - 386.8 Meta-Siltstone: thin to very thin bedded, grey. Bedding to core 79°. Unit is chloritic sericitic and biotitic. Mineralization consists of disseminated pyrrhotite (1% - 3%) as well as bands of heavily disseminate nearly massive pyrrhotite up to 1cm thick as at 382.7m. Occasional disseminations of sphalerite are also present as at 382.8m. 386.8 - 422.6 Gabbro Sill?: upper contact is wavy, .004 .006 60 bedding in adjoining unit is contorted 3880 388.20 388.40 3881 405.80 406.00 1 .002 .004 181 lower contact is also wavy but is estimated 3882 408.20 408.50 1 .002 .002 278 at 78°. Contact is much cleaner than upper 3883 409.30 409.60 .001 .003 113 contact. The unit exhibits various crystallinity from fine to coarse. It also contains possible xenoliths of sedimentary country rock e.g. 480.2 - 480.5. Veins of quartz, calcite and pyrite are common throughout unit; examples include 394.3/3cm/ $39^{0}$  - calcite; 396.9/10cm/ $63^{0}$  calcite quartz; 405.9/2cm/200 - pyrite calcite: 420.0/10cm/630 - calcite,

Page: 9

Property: DARLIN Hole No.: D91-2

Location: DARLIN 63 Claim

DESCRIPTION Sample METERAGE Pb Zn CuNo. From Τo Au Αg From To ₽s. ppm ppm quartz, pyrite. The unit also demonstrates granitic tendencies as observed from 388.2 - 389.8m. .002 105 422.6 - 448.2 Meta-Siltstone (phyllite): thin to very 3884 431.60 431.80 1 0 .001 thin bedded. Core is very blocky. Unit is sericitic, biotitic and chloritic. Chloritization increases drastically from 445 to 448.2m. Some of the bedding is crenulated, silicification and albitization occur primarily near the top of the unit. Gougy material occurs at 432.0m and 431.7m. The last gougy unit is approximately 30cm thick and could indicate a fault plane contact angle estimated at 17° or 40°. Mineralization consists of 1% - 3% disseminated pyrrhotite as well as bands of heavily disseminated pyrrhotite as at 443.3m. A pyrrhotite fragmental? occurs from 431.7 - 431.8m. A 2cm bedding parallel quartz sulphide vein occurs at 435.5 and contains quartz, calcite, pyrite, sphalerite and galena. Calcareous alteration occurs throughout unit.

Page: 10

Property: DARLIN

Hole No.: D91-2

Location: DARLIN 63 Claim

METERAGE DESCRIPTION	S a	Sample						
From To	No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
448.2 - 451.2 <u>Gabbro Sill</u> : contact to core is 78°.  Gabbro is pyrrhotiferous and is cross-cut by quartz pyrrhotite veins as at 450.1/5mm/9°	3885	450.10	450.40	4	0	.006	.006	48

END OF HOLE

Core stored in racks at the Vine Property.

### KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Page No. 1

Name of Property: DARLIN

Corr. Dip:

Remarks:

Hole No.: D91-3

Length: 176.8m

Co-ordinates: Lat.: 49°,36',20" Long.: 116°, 5',47"

Location: DARLIN 62 Claim

Start Date: October 10, 1991

Finish Date:

Elevation: 1109m

Azimuth: 060°

Collar Dip: -45°

Core Size: NQ

Tests at:

Logged by: DM

Date:

From To		No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.0 - 3.0	Overburden.							·····	
3.0 - 32.0	Meta-Siltstone: thin bedded, grey, sericitic and biotitic, chloritic partings are common throughout unit. Occasional thin layers of muscovite schist are present as well throughout unit. The unit is virtually identical to the bottom part of D91-2. Sulphides (primarily pyrrhotite) are present as disseminations (1% - 3%) and in veinlets throughout unit. Bedding to core 71°.	3871	32.00	32.30	8	0	.009	.007	20
32.0 - 32.3	<u>Pegmatite</u> : albite, muscovite, dyke contact angle $56^{\circ}$ .								

Page: 2

Property: DARLIN Hole No.: D91-3 Location: DARLIN 62 Claim

METERAG	E DESCRIPTION	Sa	mplo	e					
From To		No.	From	То	Au	Ag	Pb	Zn	Cu
					ppb	ppm	<u> </u>	<u> </u>	ppm
32.3 - 80.8	Meta-Siltstone: thin bedded, grey, sericitic, biotitic, disseminated pyrrhotite (3% - 5%). Bedding to core 71°. Rare muscovite schist. The overall grade of metamorphism appears to be decreasing. Occasionally, silicification is present. Chlorite appears present on fracture/parting surfaces. Albite? silica appears to be present in association with mineralization at 61.m and 67.6m. Occasional veins of quartz (<3cm thick) are also present. Mineralization is as follows: 50.8m pyrrhotite in a 4cm "nest" of veinlets minor sphalerite; 60.95 ~ 61.1m heavily disseminated pyrrhotite; 67.5	3872 3873	60.95 67.50	61.10 67.70	2 7	1 0	.001	.011	173 257
	67.7m bedded pyrrhotite sphalerite.								
80.8 - 82.2	<u>Lamprophyre Sill</u> : contacts are clean and sharp contact angle $75^{\circ}$ .								
82.2 - 88.5	Meta-Siltstone: thin bedded, grey, sericitic, biotitic. Mineralization with disseminated pyrrhotite as well as minor veinlets of pyrrhotite. Chloritic alteration has increased, albitization has also become more common. Bedding to core 75°.								

Page: 3

Property: DARLIN Hole No.: D91-3 Location: DARLIN 62 Claim

METERAG	E DESCRIPTION		mple						
From To		No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
88.5 - 135.7	Meta-Siltstone: thin bedded, grey; sericitic, biotitic, extremely chloritic. Bedding planes are commonly twisted and folded. Sulphides (primarily pyrrhotite, minor chalcopyrite, sphalerite and arsenopyrite) occur in veinlets that run along bedding planes and give the feeling of remobilization. Examples occur at 88.5m, 88.9 - 89.2m, 90.7m, 91.0m, 92.6m. Bedding to core 70°. At 100m, 5cm thick quartz-chlorite vein hosts abundant pyrrhotite and rare sphalerite. 118.9 - 123.0: strong silicification, olive green, scattered thin to very thin. Quartz-carbonate, rarely 5cm thick, host abundant pyrrhotite, rare galena and sphalerite, scattered blebs of massive pyrrhotite rarely more than 3mm thick. At 135.0m bedding to core 76°.								
135.7 - 176.8	Gabbro Sill: contact is wavy and cuts core at approximately 80°. 135.7 - 139.2: altered gabbro with bleached appearance. Quartz vein at 168.8m cuts core at 43°/true width 7cm upper contact has sheared appearance. END OF HOLE Core stored in racks at the Vine Property.	3875	152.20 168.80 169.40	149.10	6 2 2 2 2 41 6	0 0 0 0 0	.002 .001 .001 .003 .004	.009 .006 .007 .006 .005	35 13 22 60 56 54

### KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Page No. 1

Name of Property: DARLIN

Corr. Dip:

Remarks:

Hole No.: D91-6

Length: 347.6m

Co-ordinates: Lat.: 490,36',22"

Long.: 116°, 6',17"

Location: DARLIN 64 Claim

Start Date: October 21, 1991

Finish Date: October 26, 1991

Elevation: 1080m

Azimuth: 0350

Collar Dip: -45°

Core Size: NQ

Tests at:

Logged by: ASH Date: Oct/91

METERAGE	DESCRIPTION	s	amp1	e					
From To		No.	From	To	Au	Ag	Pb	Zn	Cu
				·	daa	maa	ૠ	8	ppm

#### 0.0 - 42.7 Overburden.

42.7 - 109.9

Siltstones and Argillites: thin bedded to laminated meta-sediments. Rock is micaceous, lightly chloritized and variously schistoses. Biotite most common throughout except in most intensely metamorphosed, very thin beds (less than 2cm) where muscovite is most prominent. Mineralization is very weak, occurring as scattered, occasional flecks of pyrite and pyrrhotite. One 3.5cm bed at 78.85m contains approximately 20% by volume of fine, disseminated pyrite. A similar 1.2cm bed occurs at 98.3m. Rare, erratic, thin quartz/calcite veining contains only minor

Page: 2

Property: DARLIN

Hole No.: D91-6

Location: DARLIN 66 Claim

			<b>D</b> J1 0			Hocat	1011.	NYVPIN (	o Claim
METERAG	E DESCRIPTION	\$	ampl	е					
From To		No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
	pyrrhotite, pyrite, chalcopyrite and occasional sphalerite and galena. Bedding 75 - 80° to core.								
109.9 - 111.6	<pre>Intrusion: sill-like, medium grained, biotite rich (up to 60%) rock, chloritized in part. Fine pyrite/pyrrhotite flecks common.</pre>								
111.6 - 112.8	Meta-Sediment: similar to 42.7 - 109.9.								
112.8 - 113.6	Fault Zone: moderate to intensely broken core, gouge in part. Base contact 45° to core.								
113.6 - 114.3	Meta-Sediments: as from 111.6 - 112.8 etc.								
114.3 - 114.45	Intrusion: similar to 109.9 - 111.6. Base of this thin body indicates it to be crosscutting the sediments along a plane approximately normal to bedding strike. It cuts the stratigraphy at a shallow angle relative to bedding.								
114.5 - 133.0	Siltstones and Argillites: meta-sediments similar to those previously described. Very minor mineralization consisting of scattered, fine flecks of pyrite and								

Page: 3

Property: DARLIN Hole No.: D91-6

Location: DARLIN 66 Claim

_ <u> </u>						20040	10111	DIMEDIN C	o Claim
METERAG	E DESCRIPTION	s	ampl	e					
From To		No.	From	То	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
·	pyrrhotite as in previous segments. A 10cm quartz/chlorite vein with minor pyrite/pyrrhotite, parallel to bedding, at 115m. A 14cm thick, fine biotite rich intrusion crosscuts beds at a shallow angle at 130.6m. Bedding 75° to core.								
133.0 - 133.8	Intrusion: dyke, containing abundant fine biotite, chlorite and carbonate. Top contact $45^{\circ}$ , base $40^{\circ}$ to core.								
133.8 - 143.5	Meta-Sediments: as described in previous segments. Only very minor fine fracturing occasionally. Bedding 75° to core.								
143.5 - 143.6	Thin Fault Zone: containing gouge, calcite and chlorite with minor pyrite/pyrrhotite. Upper contact 45° to core with slickensides along contact plane. Base contact 60° to core.								
143.6 - 145.4	Meta-Sediments: as from 133.8 - 143.5 etc.								
145.4 - 146.3	<pre>Intrusion: fine grained, dark green, calcite, gabbro-like rock containing sub-rounded, olive green blebs in part. Base contact 750 to core.</pre>								

back to 75 - 80° to end of this segment

Page: 4

Property: DARLIN Hole No.: D91-6 Location: DARLIN 66 Claim

METERAGE DESCRIPTION Sample No. From To Αu Αg Pb  $\mathbf{z}_{\mathbf{n}}$ Cu ppb ppm ૠ ૠ ppm 146.3 - 146.4 Meta-Sediments: as above. 146.4 - 147.1 Quartz Vein: containing abundant muscovite. Only very rare pyrite fleck noted. Top contact 80°, base 20 - 45° to core. 147.1 - 177.2 Siltstones and Argillite: medium bedded to laminated meta-sediments, similar to previously described sediment. Rocks are notably micaceous throughout. At 151.4 to 151.8, a 20cm quartz/muscovite (similar to 146.4 - 147.1) vein with crush/gouge zone at base, top 70° to core, base not clear. Bedding 75° to core. 177.2 - 173.2 Two Intrusions: sill-like, upper 28cm, lower 48cm separated by meta-sediment as described above. Intrusions are similar to 109.6 to 111.6 in composition and contain fragments of sediments similar to adjacent beds. 173.2 - 233.7 Meta-Sediments: similar to 147.1 - 177.2 etc. Only very minor fracturing from place to place. Bedding 75 -  $80^{\circ}$  to core to 205m changing to  $45^{\circ}$  at 212m,  $68^{\circ}$  at 214m and

Property: DARLIN

Page: 5

Location:

DARLIN 66 Claim

METERAGE DESCRIPTION Sample From To No. From Τo Au Αq Pb Zn Cu ppb ppm ૠ ppm indicating local fold. At 212.2m, a 15cm intrusion containing quartz and abundant biotite, predominantly a distinctive green colour in lower half. 233.7 - 278.8 Intrusion: diorite sill. Fine to medium grained rock with various concentrations of biotite and amphibole throughout. Some irregular, elliptical and lenticular forms included in upper portion of this body are suggestively sediment remnants. This intrusion is similar to that in D91-5 hole from 49.5 - 119.2. Fault from 264.6 to 264.8 contains calcite healed diorite fragments with some crushed rock and gouge. Finer grained diorite in base 4m commonly contains erratic, calcite healed fractures up to 1cm thick. 278.8 - 328.0 Meta-Sediments: similar to those described 3899 310.50 310.70 .003 .007 above foregoing diorite. Bedding 3900 312.54 312.65 .008 .003 307 immediately below diorite 60 - 65° to core. A segment from 287.2 - 287.6 displays bleaching or albitization effects and includes a few thin beds containing abundant disseminated pyrite/pyrrhotite. Minor slumping indicated by distorted beds

Hole No.: D91-6

Page: 6

Property: DARLIN

Hole No.: D91-6

Location: DARLIN 66 Claim

 METERAGE
 DESCRIPTION
 Sample

 From To
 No. From To
 Au Ag Pb Zn Cu ppb ppm % % ppm

295.06 - 295.2: heavy disseminated pyrrhotite (25% pyrrhotite), 30cm of albitization and chloritization mark footwall and hanging wall of sulphide zone. 310.5 - 310.7: garnet, quartz, chlorite, graphite, minor calcite vein cuts core at 55°. 312.54 - 312.65: sulphide bed 50 - 80% pyrrhotite, footwall marked by 2cm albite layer.

328.0 - 347.6 <u>Diorite</u>: contact, hard to define, appear gradational with host sediments, generally finely crystalline to 339.0m. Finely foliated, marked biotization along foliation plains. 339.0 - 347.6: coarser grained, mainly quartz, plagioclase? and biotite (quartz diorite), abundant disseminated pyrrhotite.

END OF HOLE

Core stored in racks at the Vine Property.

### GEOCHEMICA AS Y CERTIFICATE

Kokahee Explorations Etd. PROJECT D91-1 File # 91

SAMPLE#	rio.	Cu	Pb	20	Ag.	Ni	Co	Ma	Fe	:43	U	Act	Th	SE	Cd	Sb	Bi	V	('s	,,	Lo	Cr	No	51.63	Ti	6	41	Ra	×.	11	Au.	Ų	Se
								ppm	2,	PPR	pen	pķm	ppm	ppm	Fyzr	prat:	ppas	teca	χ,	7.	(XXII)	ppm	%	ppn	7,	thu	X	X.	۲,	ppm	rpb	X	4
ON THE PROPERTY OF THE PARTY OF	neurgs	435	enegyja	中元学	Seale	755	causgin	#57OF	al dual to	nouses	nesinojasi	n-Seas	TERANS	an sign		manya	mengre	4 Property	mr 33	unagy#	same de	MULTINE I	emply to	en fills	neepay.	nemagn	esterana y	actives:		PET.	2002	ings	Chails
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03848	2	47	178	18	4 9	19		428	1.43	105	5	HD	1	12	1 1	2	134	1		.026	2.3	0.201	.15	7.00	.01	5		.08	-19	- 2		.01	
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03551	1	55	- 4	55	3	57	51	302	3.95		5	20	. 2	3;		.4		43		_030			1.07				2.02					.01	.31.
STANDARD C/MJ-R	20	63	42	1.10	1.1	72	.54	1031	3.95	43	17	15	44	2.5	11.6	16	61	CAT.		21,540	40	25	.88	1//	1.65	33	1,50	.:1/4	- 10	- 11	970		

TCP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML T-1-2 HCL-8803-820 AT 25 DEG.C FOR ONE HOWR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MY PE OR CA P LA CRING BAIT! O W AND INNIED FOR HAIR AND AL. AU DEFECTION LIMIT BY ICP IN J PYM. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF OU PE 24 AS > 12, AG > 30 FPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK Supples beginning 'PE' are duplicate smoothes. W- Algo, due on accompany of Sn- Fing I forman

DATE RECEIVED: OCI 7 1991 DATE REPORT MALLED: Oct 10/91. SIGNED MY STATYTH. OLTOR, CLECKS, ILMAG, CERTIFICA ILC. ASSAPIRE

GEOCHENICA. JULY CERTIFICATU

### Kokanse Explorations Utd. File # 91-5029

SAMPLEA	Fia	Cu	:6	7.71	-69	41	Co	Mex	Fe	1.5	U	-tu	Th	Se	Co	56	fil	7	Çn	t.	1.6	Se	110	do	11	- 31	A	thi	K	11 1	LU!	4
-			tha						×	Distr.	(C) 411	pint	D'x1	PA	17970	CHAN	ppm	epri		×	ppar	Pin	X	bba	30	ррич	Ž	. 2	χ.	62;an 5	50	X,
3852	1	59	19	98	.2.	61	68	416	4,81	2	5	110	3	31	.2	2	2	42	1.16	.029	9	36	1.13	22	.18	3	2.13	.21	.12	4	9	27
3853	1	37	9	60	. 2	62	42	359	3.20	11	5	ND	3	2.0	- 2	2	2	35	.88.	0.50	9	35	1.70	17	.16	2	1.65	.11	. 11		5 .	
3854	1	330	2																	: 620											4	
3855	151	27	13	101	.2	45	52	1527	6.25	49	5	110	1	149	.2.	2	7	6.5	11.61	1;215	6	25	1.23	36	.00	25	1.80	.04	.47	23	6 .	
3956	1	3																		- , 690											e 1	
3957	1	5	11	5	.3	6	2	73	.50	2	5	ND	2	13	.7	2	2	1	2.07	1.105	5	4	.04	47	.01	8	.64	.06	26		4	
3858	1	7	61	13	3	4	3	545	.72	. 3	5	Ho		12	. 2	2	2	2	.75	-224	6	4	.07	18	101	7	.45	.03	24	1	6 1	
RE 3863		97	22	6360	.4	23	2.5	451	7.27		3	NO	14	25	3:.4	*,	2	25	.50	.064	. 33	30	1.11	55	.16	- 2	1.55	. 10	.00	33		
385?	1 1	88	1352	188	3.3	26	30	568	5.46	5	5	110	13	25	. 2	2	7	29	.79		74	33	.77	51	.16	2	1,46	- 19	.39	1	6 3	
3860	- 1	495	114	468	.7	91	131	176	18,62	3	5	NO	3	35	2.5	2	7	.5	.58	.053	3	11	.07	19	6.1	2	,41	67	. 1	2	6.3	
3861	i 1	161	13	63	.4	39	39	346	10.16	1	5	2	14	39	.2	2	2	12	.55	. 1152	37	27	1,29	30	. 14	4	1.50	4)7	167		1	i
3362	1	167	5	53	.2.	30	3/1	415	9.15	. 2	3	1/3	1.5	57	,	17	- 7	15		_1146	34	25	1.35	50	-16	4	1.79	. 10	5. 0	. 9	1.3	
3653	1 3	201	18	8566		30	26	468	7.73	. 5	15	ND	75	24	33,1	2	2	26	.53	.067	36	29	1.18	57	,17	2	1.60	.08	. 373	37	7 1	
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3868	1 .	218	5		.2	25	50	377	11.98	6	5	10	7	2.5	- 7.	2	2	20	_34	,649	23	23	1.22	41	- 12	2	1.45	.03	. 97		6 .	
3665	1 1:	320	49	205	-	40	69	400	13.60	. 2	5	NO	5	13	1.1	2	2	1	.31	032	30	25	. 64	56	.07	2	1.37	.10	.73		5 .0	
3870	1:	594	47						28.18			NO	5	36	2	?	7	25	.50	-017	10	30	1.40	107	. 15-	2	2.11	.13	1.50	10	(P)	1
STANDARO C/AU-R	19	64	35	136	7.3	72	34	1130	3.96	44	18	G	40	50	18.0	15	20	61	49	.828.	40	60	-91	152	.10	37	1.33	.07	-76	11 5	713	

TOP - .500 GRAN SAMPLE IS DIGESTED WITH GML 3-1-2 NCL-MADS-MED AT 95 DEG.C FOR ONE MOUR AND IS DITLIFED TO TO TO HE WITH WATER. THIS LEACH IS PARTIAL FOR MA FE SHICA PILATER NG DAILY SIN AND LIMITED FOR HAIK AND ALL. AND DESECTION LIBER BY NOT BE SHICK BY THE SINGLE SIN ASSAY RECOMMENDED FOR ROCK AND CORE SARPLES IF CU PB 2N AS > 1%, AG > 30 PPW & AU > 1000 PPB Semples beginning '88' are duplicate somples. . SAMPLE TYPE: CORE

DATE RECEIVED: OCT 11 1991 DATE REPORT MAILED: Oct 16/11.

SIGNED BY TO THE PROPERTY OF THE COLEONS, J. MANG. CERTIFIED P. C. ASSATERS

DARLIN

### AGEOCHEMICAL MA SIS CERTIFICATE

353 c. (35' may 500 4 (10) of 1.0 or 10

Kokanee Explorations Ltd. File # 91-5167

SAMPLE#	No ppm		26 264		'Ag penu	ki ppa	Co	Mil pgg/s		As pres	bbru		fh opr	DEW SE	164 163	न्हेचा 29	91 ppn	y ppm	Ca X	P %	ta oper	Cr ppn	744 7.	8a <b>c</b> om	Ti %	ppo e	ví X	¥9 1	X Y p
3871		.20 173	91 13	72 145	27.5	13 34	10 52	145 514	2.69 9.30	15	5	NO.	1.	19 25	.6 2	2. ?	2 2	37	.51	.055	2 36		2.29	11 34	.01	4	2.59	. (1)	.13 1.30
3674 3674 D9.1-3		257 35 13	50 51	2560 86 53	22.2	3.7 2 6	50 17	278 234 567	7.09 4.37	. 2	5 5	NO NO	2 4	26 20 9	.5	7 7	2.2	148 70	1.57	.060 .079 .052	37 10 22	16 8 25	.65 .83 .85	13 32 51	.35		37 6.72 1.70	-01 -01	.12 .41 1.48
3576	1	22	13	67	1 .2.	?	12	503	4.47	2	5	80	ė.	11	ă	2	?			.052	21	17	7.7		.32	8	1,50	.06	1.77
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ICP - .500 GRAM SAMPLE IS DIGESTED WITH 5ML 3-1-2 HCL-HNG3-B2O AT 95 DEG. C FOR UNE HOUR AND IS DIRLUTED TO 10 HL WITH WATER.
THIS LEACH IS PARTIAL FOR HN FE SR CA P LA CR MG BA TI 8 M AND LIMITED FOR HA X AND AL. AN DETECTION LIMIT BY ICP IS 3 PPH.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLET IF CJ PB ZN AS > 1%, AS > 30 PPM A AU > 1000 PPR
- SAMPLE TYPE: LOPE - ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. Symptos Sentinging 1881 not chaptions and core samples.

DATE RECEIVED: DOI 21 1991 DATE REPORT MATLED: Oct 25/91. SIGNED BY C. I. T. T. T. D. T. O. LOVE, C. LEONG, J. MAIG; CHATFIEL S.C. ASSAURS

DARLIN D91-2+3

### GEOCHEMICAL ANAL-SIS CERTIFICATE

Kokanae Explorations Ltd. PROJECT DARLIN D91-8/D91-9 File # 91-5536 20104 - 1350+ With Ave S., Crambrook Bt VIC 201 Submitted by: Dul. Plonth

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06/01/93

500, 600 Ph

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-MNO3-HZO AT 75 DEG. C FOR DME HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MM FE SR CA P LA CR MG BA TI B W AND LIMITED FOR MA K AND AL. AU DELECTION LIMIT BY FCP IS T PPM. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU FB ZN AS - 1%, AG > 30 PPM & AU > 1000 FPM AU\* SHALYSIS BY ACID LEACH/AA FROM 10 GH SAMPLE. Semples beging TRET are duplicate samples. - TAMPLE TYPE: CORE

DADE RECEIVED: MOV 20 1901 DATE REPORT MAILED: NOV 25 /9/.

SIGNED BY. TILLYTT D. TOTE, C. LEGNO, J. WANG; CERTIFIED BLC. ASSAYERS

DARLIN