KOKANEE EXPLORATIONS LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,324

ASSESSMENT REPORT ON DIAMOND DRILL HOLES H90-1 TO H90-9

HOPE PROPERTY

HOPE 2 CLAIM

SLOCAN MINING DIVISION

LEMON CREEK AREA

N.T.S. 82F/11

LAT: 49°44'N LONG: 117°25'W

OWNER

CHAPLEAU RESOURCES LTD.
AND
MR. CRAIG KENNEDY
c/o 607 - 325 Howe St.,
Vancouver, B.C.
V6C 1Z9

OPERATOR

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

Work performed from Sept. 18, 1990 to Oct. 22, 1990

Report by: L. Stephenson
Submitted: April, 1991

TABLE OF CONTENTS

KOKANEE EXPLORATIONS LTD.

REPORT ON DIAMOND DRILL HOLES H90-1 TO H90-9
HOPE 2 CLAIM

Slocan Mining Division

L. Stephenson April, 1991

1.00 INTRODUCTION

In our exploration drilling on the Hope claim group, under option from Chapleau Resources, nine diamond drill holes were completed to evaluate the subsurface potential of the surface mineralization. The results are described below.

2.00 LOCATION AND ACCESS

The Hope property is located some 6 km southeast of Slocan, B.C. at latitude $49^0$44'N and longitude $117^0$25'W on N.T.S. map sheet 82F/11, within the Slocan Mining Division.

Access is via good logging roads from Highway 6 along Lemon Creek road and then Chapleau Creek road which passes the eastern boundary of the Hope 3 and 4 claims.

3.00 TOPOGRAPHY AND VEGETATION

The Hope property, encompassing Cameronian Creek, is generally steep in terrain with a maximum relief of 825 m and a maximum elevation of 1800 m.

Slopes are generally tree covered with a thin to moderate layer of soil and/or talus.

4.00 REGIONAL GEOLOGY

The Hope property is underlain in part by a roof pendant of Triassic, Slocan Group, meta-sediments lying within a Nelson Grandioritic Batholith complex.

Metasediments consist largely of argillite, quartzite, micaceous quartzite and minor carbonate horizons. Beds generally strike NW-SE with shallow dips to the southwest.

5.00 PROPERTY GEOLOGY

The immediate property conforms to the regional scope with sediment bands interjected with granodiorite. Most significant mineralization on the property is a massive sulphide body of the old workings, referred to as the Glory Hole. Mineralization, consisting largely of sphalerite, pyrite, pyrrhotite, and minor galena, appears to be locally skarned (garnet/epidote) by the proximal batholith complex.

As well, an approximately one foot wide bed of massive pyrrhotite, pyrite, sphalerite and galena is stratigraphically conformable within quartzitic horizons.

6.00 1990 DIAMOND DRILL PROGRAM - Holes H90-1 to 9

Nine shallow (maximum depth 48 m) diamond drill holes were drilled during this phase of the operation, mainly focussing on the high grade open pit zone near the old mine area.

All holes intersected sediments and granite while some intersected massive to disseminated sulphideS. The sediments (quartzites, limestones and argillites) exhibited some of the metamorphic effects of the granodiorite intrusive and are cut by numerous granitic related intrusives. Some skarnification and silicification is associated with the mineralized zones and the intrusive rocks. Seven holes terminated in granodiorite suggesting that the roof pendant in the granite batholith is quite thin.

Four holes hit the high grade zone delineating a small tonnage readily available for direct shipping ore. The zone is limited in its western extent but does have some on-strike potential to the east.

In conjunction with the initial sampling done by Kokanee in the open pit area, a reserve of approximately 15,000 tons grading 1.73 oz/ton silver, 1.3% lead and 3.6% zinc is readily available to open pit mining with 1.7:1.0 waste to ore ratio.

Drill Hole Locations:

Hole #	Section	Departure	Dip	Azimuth	Total Depth (m)
H90-1	1000E	1000N	-48.5°	200°	47.85
H90-2	1000E	1000N	-90	200	20.40
H90-3	985E	1003N	-50	200	37.20
H90-4	985E	1003N	-90		38.70
H90-5	1013E	995N	-49	198	29.30
H90-6	1013E	995N	-90		12.20
H90-7	950E	1010N	-62	200	29.60
H90-8	200E	725N	-45	249°	22.90
H90-9	450E	100N	-90°		17.40

The most signficant holes are:

Hole #	Meterage From	To	Width	Silver oz/ton	Pb %	Zn %
H90-1	14.3	22.6	8.3 m	1.78	0.74	2.35
includes	16.3	18.8	2.5 m	6.96	3.02	8.38
H90-3	16.4	25.7	9.3 m	0.60	0.51	1.67
includes	24.4	25.7	1.3 m	2.34	2.23	5.67
H90-5	16.4	19.9	3.5 m	0.74	0.70	2.00
includes	17.7	19.7	2.2 m	0.77	0.71	2.54
H90-6	4.7	5.8	1.1 m	1.22	0.59	2.31
includes	5.1	5.7	0.6 m	1.66	0.81	3.73

7.00 CONCLUSIONS

Drilling has defined a limited high grade tonnage potential associated with the old mine workings on the Hope property. Although some strike length potential to the east could be possible, the limited size of the roof pendant of sediments suggests that only a small zone is present.

Report by:

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

LS/rs

EXHIBIT "A"

STATEMENT OF EXPENDITURES

DIAMOND DRILLING PROGRAM
(H90-1 to H90-9)

ON HOPE 2 CLAIM
SLOCAN M.D.

Covering the period of September 18th to October 22nd, 1990

INDIRECT

SALARIES:

P. Klewchuk - Geologist - Site preparation/Supervision/ Core logging 14.5 days @ $250/day	$ 3,625.00
L. Stephenson - P.Eng. - Report writing 1 day @ $400/day	400.00
ASSAYS: Acme Analytical Laboratories, Vancouver,B.C. 67 core samples - 30 element ICP & Fire assays	969.55
DOMICILE: Hotel + meals - 1 man for 13 days	502.72
TRANSPORTATION: 1 - 4X4 truck; 14 days @ $50/day	700.00

DIRECT

Connor's Drilling Ltd. 2007 West Trans Canada Highway, Kamloops, B.C. (9 Holes)	32,349.83
TOTAL INDIRECT AND DIRECT =	$ 38,447.10

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

IN THE MATTER OF THE

B.C. MINERAL ACT

AND

IN THE MATTER OF A DIAMOND DRILLING PROGRAM

CARRIED OUT ON THE HOPE PROPERTY

LEMON CREEK AREA

in the Slocan Mining Division of
the Province of British Columbia

More Particularily N.T.S. 82F/11

A F F I D A V I T

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

1. That I am employed as a Geologist by Kokanee Explorations Ltd. and as such have a personal knowledge of the facts to which I hereinafter depose:

2. That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a diamond drilling program, on the Hope mineral claims;

3. That the said expenditures were incurred between the 18th day of September, 1990 and the 22nd day of October, 1990 for the purpose of mineral exploration.

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

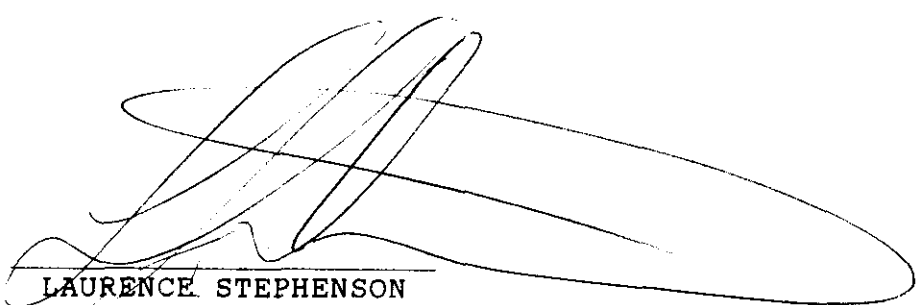
AUTHOR'S QUALIFICATIONS

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

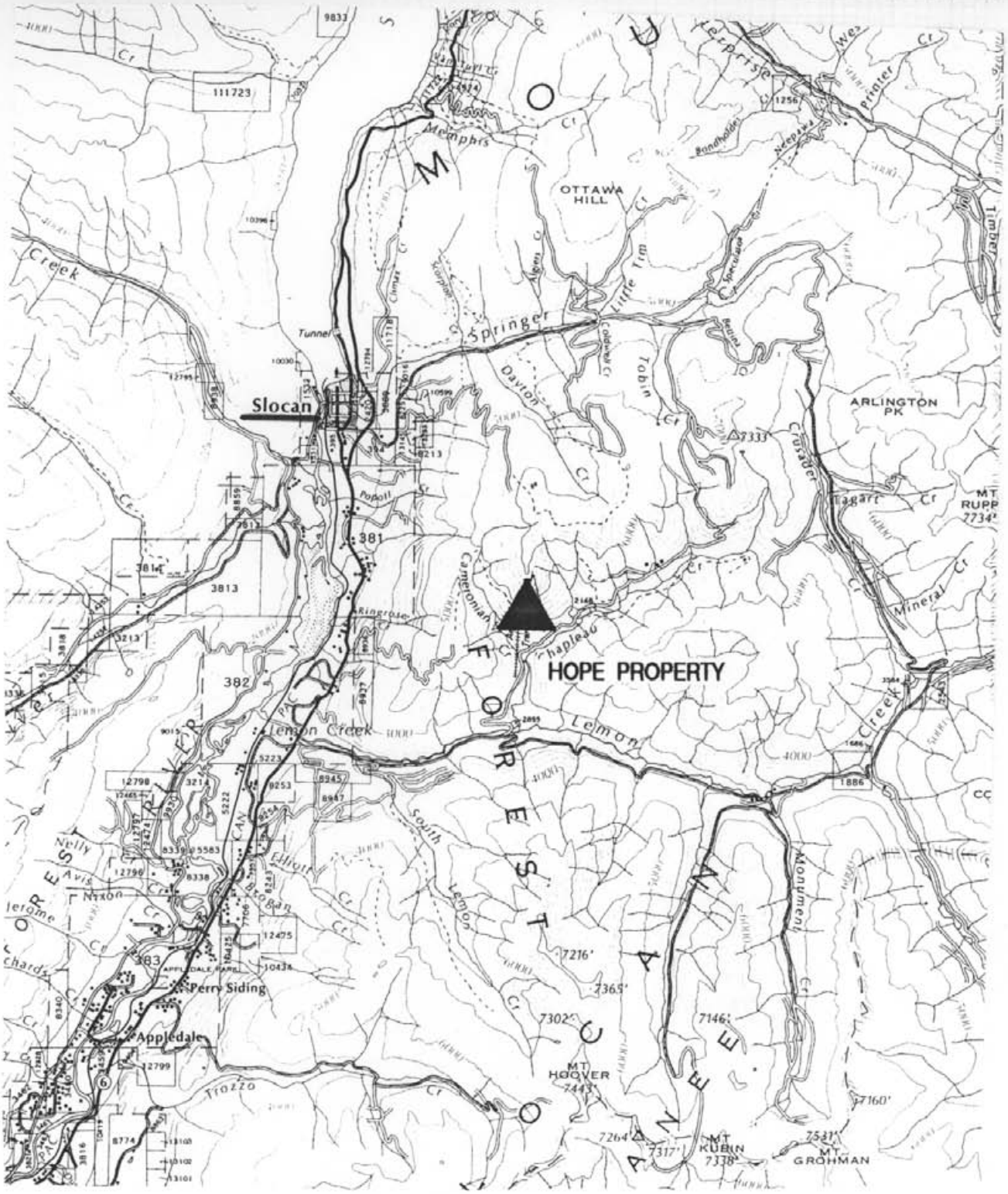
1. I graduated from Carleton University in 1975 with a Bachelor of Science degree in Geology then, in 1985, graduated from York University with a Masters of Business Administration;

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.



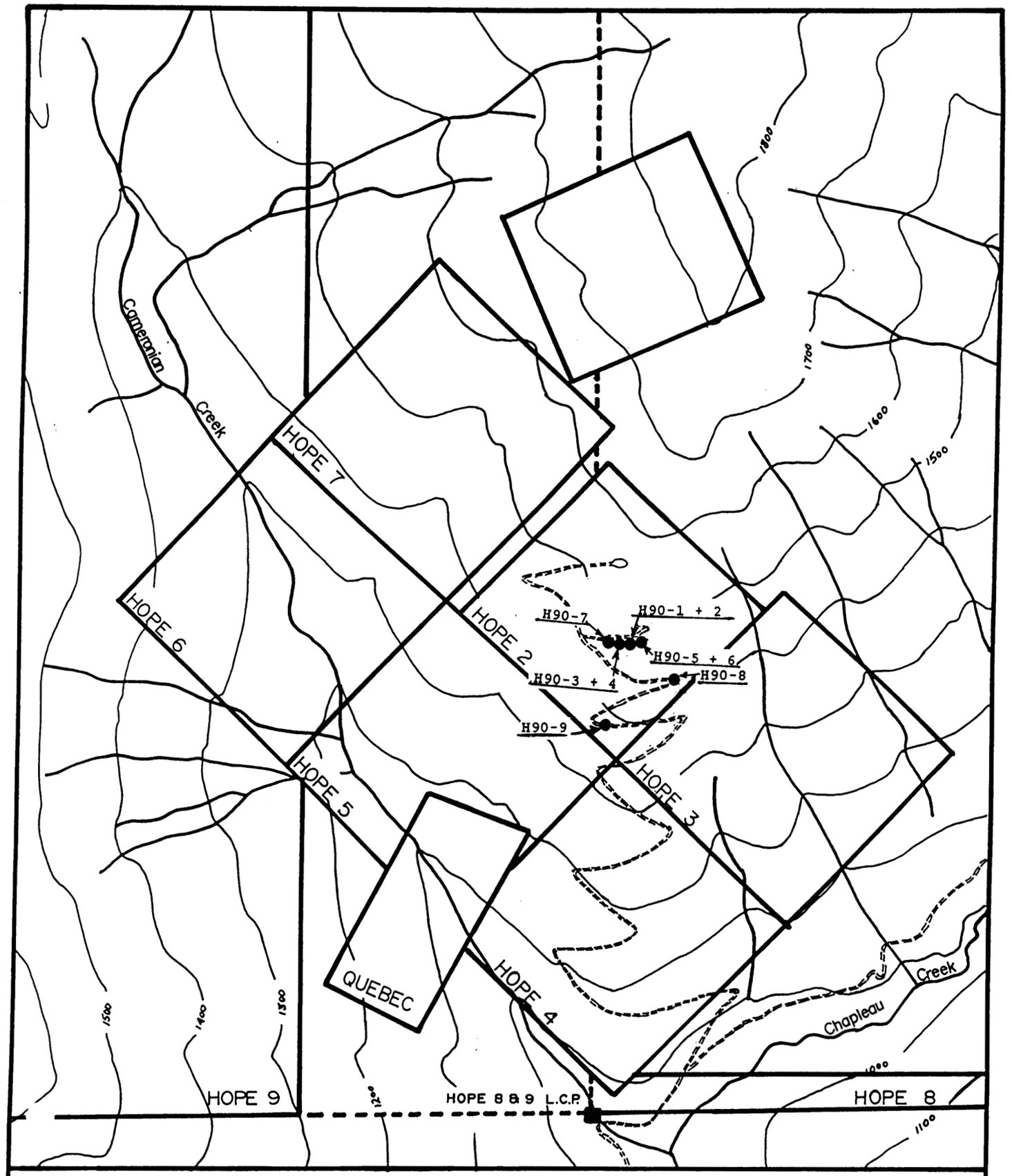
LAURENCE STEPHENSON
B.Sc.,M.B.A.,P.Eng.



KOKANEE EXPLORATIONS LTD.
HOPE PROPERTY

LOCATION MAP

Scale:	Date:
1 : 125 000	SEPT. 1990



N.T.S. 82F/11

N

KOKANEE EXPLORATIONS LTD	
HOPE PROPERTY	
DRILL HOLE LOCATIONS H90-1 TO 9	
Scale: 1 10,000	Date:

APPENDIX I

DRILL CORE ASSAYS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

H90-1

Hope

Kokanee Explorations Ltd. PROJECT HOPE File # 90-5612

104 - 135 - 10th Ave S., Cranbrook BC V1C 2N1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
04501	136	9	87	358	1.8	67	2	2294	1.08	37	5	ND	2	377	2.9	6	2	49	8.82	.148	9	11	.50	39	.03	4	.46	.01	.01	4	16
04502	52	60	1293	2982	13.7	100	6	4092	1.84	23	5	ND	2	2511	41.0	2	2	45	20.83	.157	8	27	.29	245	.02	2	.38	.01	.04	1	9
04503	45	50	373	1165	15.3	109	5	5273	1.41	23	5	ND	2	1569	17.5	6	2	18	20.46	.130	5	8	.29	196	.02	4	.17	.01	.02	1	18
04504	48	79	2731	10040	12.8	70	3	4331	2.20	11	5	ND	3	1361	166.3	5	3	17	21.97	.164	9	14	.18	59	.02	4	.21	.01	.01	2	21
04505	121	32	2000	3747	18.4	64	2	1969	1.88	8	6	ND	2	304	59.2	3	41	18	8.41	.315	13	14	.35	7	.04	2	.46	.01	.01	4	1
04506	58	47	14087	15314	143.2	27	2	2009	2.42	13	24	ND	4	242	284.1	11	399	20	6.90	.252	14	28	.65	60	.03	2	.60	.01	.03	2	10
04507	27	131	1358	31949	42.8	25	3	1996	2.77	12	5	ND	1	441	606.5	4	24	12	11.50	.147	7	12	.49	96	.02	2	.36	.01	.03	3	17
04508	1	30	20284	99999	395.8	33	6	8118	8.21	95	5	ND	1	170	2186.4	2	1252	16	2.61	.031	2	1	.01	10	.01	2	.09	.01	.01	2	15
04509	28	522	25005	34453	71.4	236	14	5884	23.90	53	5	ND	4	96	843.8	42	10	25	1.92	.097	8	1	.03	25	.01	2	.36	.01	.02	2	8
04510	18	218	2147	3900	31.3	63	3	6749	5.55	293	5	ND	1	805	76.5	4	2	13	19.69	.034	6	20	.23	130	.01	2	.28	.01	.03	1	11
04511	12	344	3981	7336	31.2	112	6	7373	9.14	305	5	ND	2	1205	104.0	4	2	34	11.42	.095	4	30	.29	163	.01	2	.50	.01	.05	1	10
04512	38	219	57	14828	2.4	104	10	2945	8.72	2	5	ND	3	298	276.9	2	2	32	4.46	.127	6	15	.13	53	.03	2	.61	.01	.01	1	5
04513	47	78	816	11541	7.9	145	7	2773	3.88	2	5	ND	2	247	210.0	2	16	79	4.78	.186	9	23	.31	129	.04	3	.90	.01	.02	1	1
04514	52	110	632	1774	5.3	180	7	2402	2.67	14	5	ND	3	695	28.4	2	8	66	10.20	.194	9	18	.42	144	.04	2	.72	.02	.03	1	2
04515	68	61	106	3235	1.2	135	6	2270	2.69	7	5	ND	3	212	53.5	2	2	59	5.15	.230	11	20	.16	76	.05	2	.75	.01	.02	1	1
04516	60	189	1059	2507	8.0	216	10	1323	3.24	5	5	ND	4	153	40.7	2	33	112	2.80	.263	14	33	.18	128	.06	2	.54	.03	.03	1	2
04517	57	71	736	4359	6.6	143	7	1491	2.04	4	5	ND	2	187	75.0	2	25	57	3.49	.188	12	19	.23	114	.04	2	.62	.01	.01	1	2
STANDARD C/AU-R	19	62	37	133	7.1	73	32	1051	3.94	41	21	7	40	53	19.0	15	19	60	.45	.097	39	61	.89	187	.08	33	1.89	.07	.13	13	540

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 30 1990 DATE REPORT MAILED: Oct 31/90. SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY IN PROGRESS Pb, Zn > 1/2 %
Ag > 30 ppm
Au > 1000 ppb.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Kokanee Explorations Ltd. PROJECT HOPE File # 90-5658

104 - 135 - 10th Ave S., Cranbrook BC V1C 2N1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	
04518	56	393	1280	3248	5.3	432	19	1257	6.33	6	5	ND	3	101	43.4	2	7	75	1.85	.205	13	21	.25	154	.06	2	.72	.05	.05	1	6	*
04519 H90-1	40	162	2491	1385	17.4	163	9	1545	3.60	2	5	ND	4	151	22.9	2	69	73	3.29	.191	13	21	.32	183	.05	2	.75	.05	.04	32	2	
04520	75	41	113	17610	1.2	213	11	3037	3.40	2	5	ND	4	242	326.9	2	2	164	6.62	.236	14	30	.26	126	.03	2	1.06	.01	.03	2	5	
04521	42	230	2815	11370	13.2	108	8	2098	7.18	11	5	ND	7	340	184.6	2	24	111	5.44	.107	16	35	.48	61	.01	2	1.43	.01	.09	3	5	*
04522	31	192	46	309	1.1	94	12	3178	5.38	2	5	ND	4	202	2.4	2	2	30	5.46	.282	19	13	.45	51	.04	2	.98	.01	.02	1	3	*
04523 H90-2	9	24	367	613	3.0	26	6	7823	1.19	56	5	ND	3	1438	12.2	13	2	3	29.74	.140	5	1	.04	100	.01	2	.48	.03	.02	1	36	
04524	5	340	61	318	10.5	56	6	12344	4.13	17	5	ND	3	1849	7.0	2	2	5	31.14	.025	5	1	.26	246	.01	2	.14	.01	.02	1	22	
04525	43	48	119	544	1.1	123	6	1667	1.78	3	6	ND	6	212	6.2	5	2	43	5.94	.230	16	11	.36	254	.04	2	.55	.03	.06	9	7	*
04526	44	34	936	11680	10.3	81	8	3470	1.99	26	5	ND	7	688	197.5	2	14	26	10.94	.151	13	12	.63	253	.03	2	.79	.02	.03	6	5	
04527	99	22	727	984	7.1	79	3	3204	2.02	5	5	ND	4	313	15.1	3	13	24	8.89	.229	15	9	.70	54	.03	2	.82	.01	.01	7	1	
04528	56	80	731	5321	5.1	74	4	1593	4.24	2	5	ND	1	288	82.5	2	13	27	7.27	.201	10	12	.36	32	.03	2	.48	.01	.01	3	2	
04529	92	211	5432	21483	13.9	94	5	1052	7.07	15	5	ND	1	131	366.7	10	2	37	4.31	.173	7	10	.09	54	.02	2	.27	.01	.02	2	3	*
04530	120	67	1032	1402	3.7	197	5	800	2.59	14	5	ND	2	245	23.2	14	2	38	9.67	.199	7	11	.07	81	.04	2	.27	.02	.04	4	1	*
04531 H90-3	82	434	5670	30713	22.4	155	7	2359	15.89	7	5	ND	2	126	534.0	6	4	37	1.98	.152	7	8	.06	17	.03	2	.26	.01	.01	2	3	*
04532	88	174	249	1594	5.2	90	4	2382	6.52	11	5	ND	1	267	27.0	13	2	36	8.92	.202	8	18	.79	24	.04	2	.86	.01	.01	5	2	*
04533	21	189	3531	7195	23.7	67	3	2580	5.15	86	5	ND	1	602	112.8	8	2	27	21.21	.079	11	14	2.10	71	.02	20	.55	.01	.12	1	9	*
04534	34	317	12463	21582	71.9	91	5	2638	9.06	51	5	ND	1	354	372.0	29	2	19	12.44	.116	7	7	.64	51	.01	2	.46	.01	.04	3	6	*
04535	3	287	30235	86212	68.5	119	12	5785	14.45	71	5	ND	1	145	1758.6	2	9	13	2.79	.022	3	1	.05	8	.01	2	.12	.01	.01	2	19	
04536	50	33	521	697	4.5	98	4	2488	1.94	11	5	ND	9	206	8.6	8	7	73	4.04	.113	14	12	.39	333	.05	2	.98	.03	.06	1	2	
04537	76	63	959	3760	7.4	201	5	1934	1.64	2	5	ND	3	181	63.1	3	27	103	4.59	.298	17	24	.16	76	.04	2	.68	.01	.02	2	2	
04538	83	52	135	1559	1.3	230	5	1955	1.65	2	5	ND	3	147	26.4	27	4	157	4.03	.245	14	27	.20	84	.05	2	.72	.02	.01	2	1	
04539	62	150	159	3766	3.2	355	11	1103	2.60	2	5	ND	4	208	63.4	6	6	200	4.51	.525	25	44	.29	134	.04	2	.83	.03	.02	1	2	
04540	53	32	10151	600	41.9	107	3	817	.76	6	5	ND	1	323	15.5	9	131	70	8.47	.138	8	11	.74	89	.03	2	.51	.02	.02	53	5	
04541	2	58	41	334	24.2	12	5	18496	2.64	15	5	ND	1	1652	18.2	2	2	9	30.82	.021	3	3	.28	76	.01	2	.31	.01	.01	1	18	
04542 H90-4	16	119	67	815	2.2	48	6	3631	2.51	2	5	ND	2	454	12.6	2	2	12	11.34	.150	9	4	.14	38	.02	2	.50	.01	.01	1	15	
STANDARD C/AU-R	19	58	41	129	7.1	72	31	1052	3.98	41	16	7	39	53	19.3	15	23	60	.45	.091	40	61	.89	184	.07	34	1.90	.06	.13	13	500	

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 1 1990 **DATE REPORT MAILED:** Nov 5/90 **SIGNED BY** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY RECOMMENDED for Pb, Zn > 1% Ag > 30 ppm (In Progress).

* Samples contain graphite, fire assay Au recommended.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Kokanee Explorations Ltd. PROJECT HOPE File # 90-5740

104 - 135 - 10th Ave S., Cranbrook BC V1C 2M1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
04543	23	277	778	780	4.5	68	4	1398	3.00	28	7	ND	2	280	12.9	9	2	40	11.26	.104	8	12	1.42	34	.03	2	1.25	.01	.08	1	6
04544	16	622	6851	13021	25.6	194	14	1474	9.85	239	5	ND	3	140	186.6	2	42	24	3.62	.108	5	11	.76	19	.02	2	.80	.01	.05	1	17
04545	30	437	1326	3431	5.1	98	6	2046	6.89	13	5	ND	3	113	45.5	2	14	34	3.27	.150	8	14	.50	13	.02	3	.92	.01	.01	1	8
04546 H90-5	30	641	10583	20960	35.7	141	10	1975	7.97	24	5	ND	4	91	320.8	3	121	29	3.07	.128	6	16	.23	7	.02	2	.76	.01	.01	2	21
04547	48	268	1679	9589	10.1	82	6	1347	4.39	9	9	ND	8	63	159.4	2	40	34	2.33	.080	6	16	.18	27	.02	2	.62	.01	.02	1	18
04548	18	243	845	30230	5.2	103	6	1446	4.24	13	5	ND	7	79	455.4	2	13	57	2.15	.148	10	19	.37	21	.03	2	.60	.01	.02	1	5
04549	25	14	40	574	11.0	83	4	3210	1.84	12	8	ND	2	143	5.7	2	2	12	7.11	.113	5	6	.26	17	.02	2	.70	.01	.01	167	5
04550	1	247	1860	1009	20.2	45	4	7463	3.18	34	13	ND	1	668	28.4	2	24	2	30.05	.003	10	1	.20	88	.01	9	.07	.01	.01	1	21
04551 H90-6	1	949	14101	47560	124.5	168	18	2264	12.97	26	5	ND	2	220	901.6	2	367	2	5.70	.006	2	1	.06	25	.01	2	.10	.01	.01	1	17
04552	26	92	805	16195	7.2	43	5	2689	3.13	3	5	ND	2	127	287.0	2	28	15	4.94	.092	5	10	.27	6	.02	2	.65	.01	.01	2	5
04553	37	103	2493	1078	16.8	87	8	1405	3.04	11	5	ND	3	116	16.4	2	58	15	3.58	.144	8	11	.38	94	.03	3	.65	.01	.02	4	6
04554	30	58	435	320	3.7	86	6	896	1.97	4	5	ND	5	102	4.1	3	6	26	2.83	.156	9	11	.31	123	.04	2	.57	.02	.04	1	3
STANDARD C/AU-R	17	57	38	131	7.0	72	32	1053	3.97	41	20	7	39	53	19.4	14	20	56	.46	.095	38	58	.89	182	.08	32	1.89	.06	.13	11	520

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 5 1990 DATE REPORT MAILED: Nov 9/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY IN PROGRESS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Kokanee Explorations Ltd. PROJECT HOPE File # 90-5782

104 - 135 - 10th Ave S., Cranbrook BC V1C 2N1

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
04555	63	298	28	1489	2.5	107	10	394	6.18	79	5	ND	3	20	22.8	2	2	528	.59	.107	6	93	.20	34	.06	2	.57	.03	.06	2	3
04556	97	529	18	421	3.2	122	23	500	12.78	22	5	ND	4	44	5.2	2	2	196	.80	.119	5	43	.33	23	.04	2	.71	.02	.05	1	1
04557	56	39	28	200	.7	9	1	240	1.00	14	17	ND	14	39	2.9	4	2	10	.91	.012	6	5	.08	40	.01	2	.28	.02	.05	1	1
04558	31	325	10	3303	1.7	100	10	361	6.44	18	5	ND	2	52	40.6	2	2	105	1.10	.122	6	36	.75	34	.06	2	.73	.03	.17	1	2
04559	40	435	12	3497	2.5	119	13	425	7.16	12	5	ND	2	55	41.3	2	2	158	1.16	.116	5	41	1.19	31	.06	2	1.15	.02	.42	1	1

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 7 1990 **DATE REPORT MAILED:** Nov 13/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

H90-9

APPENDIX II

DRILL LOGS

H90-1 to H90-9

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Name of Property: HOPE | Corr. Dip: -48.5° | Remarks:

Hole No: H90-1 | Length: 47.85 m

Location: Hope 2 Claim | Start Date: Oct. 7/90 | Finish Date: Oct. 8/90

Elevation: | Azimuth: 200° | Collar Dip:

Core Size: NQ | Tests at: | Logged by: P. Klewchuk Date: Oct.8/90

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.0	9.8	Overburden - ~2.5 m of rubbly core recovered of boulders of different lithologies including skarned quartzites of biotite granodiorite.								
9.8	10.3	ALTERED QUARTZITE: mottled, light gray to patchy pale pink and green. Fabric, possibly relict bedding, is at ~45° to core axis. Fractures are limonite-stained. Pale pink garnet and lessor light green diopside (?) are variably developed through most of the zone. Disseminated pyrrhotite occurs as fine, ragged, patches of very minor chalcopyrite and a bluish-gray metallic (possibly galena or molybdenite) is also present.								
10.3	10.7	GRANITIC DYKE: white to gray with about 10% chloritic-altered biotite. Coarse grained (mainly 2 - 4 mm grains). Estimated 55% pale to white feldspar,								

Property: HOPE Hole No.: H90-1 Location: Hope 2

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		35% gray quartz and 10% biotite. Upper contact is at ~85° to core axis, intact (i.e. not fractured). Lower contact is at ~65° to core axis, also not broken.								
10.7	13.0	ALTERED QUARTZITE: generally similar to 9.8 - 10.3 m interval. Mottled gray-pink-green color, fine + medium grained. Fabric tends to be at 30-40° to core axis but is not very distinct. A few thin, white, quartz veins are present, as well as small patches of white to light gray calcite. Distinctive MoS_2 is present at 11.7 m as obvious blue-gray flakes; fine, disseminated MoS_2 occurs through some of the rest of the quartzite as well. Disseminated pyrrhotite is common and minor patchy disseminated galena and sphalerite occur in the lower 30 or 40 cm. Core is fractured near 11.15m with probable core loss.	4501 4502	10.7 11.9	11.9 13.0		2 14	0.01 0.13	0.04 0.30	9 60
13.0	15.25	CALCAREOUS ARGILLITE/ARGILLACEOUS MARBLE: mixed argillite + marble. Dark gray to black laminated, sericitic + pyritic argillite is entirely brecciated with a matrix of gray-white calcite + dolomite. Carbonate generally increases downward. Fragments of argillite are typically aligned at 20° to core axis	4503 4504	13.0 14.3	14.3 15.3		15 13	0.04 0.27	0.12 1.47	50 79

Property: HOPE Hole No.: H90-1 Location: Hope 2

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		but variable from 0 to 40^0 to core axis. Disseminated and locally patchy sulphides include pyrite, pyrrhotite, sphalerite, galena and chalcopyrite. Sphalerite is darker brown to black and with galena, is more common in the lower, more carbonate-rich section.								
15.25	18.1	CALC-SILICATE/SKARN-ALTERED QUARTZITE/ DIOPSIDE-QUARTZ-GARNET ROCK: Texture is mottled; fabric tends to be at 30-40^0 to core axis but not very consistent throughout. Sulphides occur through the entire zone; pyrrhotite, sphalerite and galena are most common with very minor pyrite and chalcopyrite. Galena and sphalerite are both disseminated and patchy, not uniformly distributed. Darker green chlorite is common throughout as thin veinlets and small irregular patches; most of the zone is weakly calcareous with local small patches of light gray to white calcite.	4505 4506 4507	15.3 16.3 17.4	16.3 17.4 18.1		18 143 43	0.20 1.67 0.14	0.37 1.98 4.05	32 47 131
18.1	18.6	MASSIVE SULPHIDES: medium to coarse grained sphalerite and galena with finer grained pyrrhotite. Sphalerite predominates and comprises about 45% of the zone with galena and pyrrhotite each at about 10 or 15%. Patchy light green diopside and small rounded gray-white	4508	18.1	18.6		716.2	10.10	29.78	30

Property: HOPE Hole No.: H90-1 Location: Hope 2

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		clots of calcite make up the rest of the zone. Upper contact is at ~65° to core axis. Texture is quite granular with no obvious fabric.								
18.6	18.8	SULPHIDE-MATRIX BRECCIA/BRECCIATED SILTSTONE: light gray siliceous siltstone is broken into small angular elongate fragments in a matrix of swirly 'laminated' vein pyrrhotite and sphalerite. Minor fine grained galena and local chalcopyrite are also present. The massive sulphide zone above is foliated for ~3-4 cm against a pyrrhotite vein at ~80° to core axis but most of this zone is foliated at 25° to 45° to core axis. 45° fabric occurs at the base of the zone. About 65% of the zone is sulphides, mainly pyrrhotite, with ~35% siltstone. Siltstone is locally chloritic.	4509	18.6	18.8		71	2.85	5.21	522
18.8	20.4	MARBLE, MINOR QUARTZITE, MINOR SULPHIDES: white to light gray crystalline calcite with 20% irregularly distributed fragments of light gray, massive fine grained quartzite. The calcite locally forms a matrix to smaller fragments (eg. 18.8 - 19.0 m); elsewhere ragged fragments and bands of quartzites are scattered through the	4510	18.8	19.6		31	0.21	0.39	218
			4511	19.6	20.4		31	0.40	0.73	344

Property: HOPE Hole No.: H90-1 Location: Hope 2

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		marble. Quartzite fragments typically have pyrrhotite associated with them, both on margins and disseminated within the quartzite patches. Locally there is minor silver-gray arsenopyrite within quartzites. Disseminated sphalerite, pyrrhotite and minor galena occur within the more massive marble. One narrow lensy vein (6 mm maximum width) of finely laminated galena and sphalerite cuts the marble at 19.5 m.								
20.4	31.2	CALC-SILICATE/SKARN-ALTERED QUARTZITE/MINOR SULPHIDES/QUARTZ-GARNET-DIOPSIDE-CHLORITE ROCK: mottled, healed breccia texture. Pale pink to reddish garnet, light green diopside and locally white to light gray calcite are patchily developed throughout the interval. A pervasive, healed breccia texture is evident with dark green chlorite typically developed along the fractures. Minor sulphides are scattered through much of the interval with pyrrhotite most common. Sphalerite is most common in the upper 1 m or so but both sphalerite and galena are present with pyrrhotite and very minor chalcopyrite to the base of the interval. Sphalerite	4512	20.4	21.4		2	0.01	2.00	219
			4513	21.4	22.6		8	0.08	1.50	78
			4514	22.6	23.8		5	0.06	0.18	110
			4515	23.8	25.0		1	0.01	0.32	61
			4516	25.0	26.2		8	0.11	0.25	189
			4517	26.2	27.4		7	0.07	0.44	71
			4518	27.4	28.6	6	5	0.13	0.32	393
			4519	28.6	29.8	2	17	0.25	0.14	162
			4520	29.8	31.2	5	1	0.01	1.76	41

Property: HOPE Hole No.: H90-1 Location: Hope 2

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		near 31.2 m is more reddish colored and occurs with a bright green mineral, probably a silicate.								
31.2	31.6	ARGILLITE: dark gray to black. Brecciated with fragmented veins of white dolomite. Evidently very finely laminated. Upper contact is in broken core, appears to be 25 or 30^0 to core axis. Lower contact is quite sharp, with ~3cm of laminated white vein dolomite developed near the contact, vein is separated from underlying granodiorite by 8-10 mm of argillite with <1 mm veins of dolomite. Lower contact is at 20^0 to core axis.								
31.6	35.8	BIOTITE GRANODIORITE: porphyritic with ~15% feldspar phenocrysts up to 4 cm across. Some are zoned. Feldspars are gray-white, plagioclase feldspars are white to pale green, quartz is light gray. Estimated composition; feldspar 35%, plagioclase 30%, quartz 20%. Biotite is medium grained and makes up ~10%, chlorite is common along discontinuous healed fractures and at some grain boundaries. No obvious sulphides noted.								

Property: HOPE Hole No.: H90-1 Location: Hope 2

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
35.8	36.7	ARGILLACEOUS SILTSTONE AND QUARTZITE: top 50 cm is dark gray, fine grained argillite or argillaceous siltstone. Weakly brecciated with thin veinlets of white dolomite and narrow irregular veins/patches of pyrrhotite. Locally there are patches of sphalerite with minor galena. Minor chlorite occurs throughout. Bottom 40 cm is altered quartzite which has a mottled, healed breccia texture. Patchy light reddish-pink garnets are common with minor light green diopside and dark green chlorite. Both contacts are intact but are quite irregular.	4521	35.8	36.7	5	13	0.28	1.18	230
36.7	47.85	BIOTITE GRANODIORITE: mainly medium-coarse grained and biotitic and chloritic, locally coarse grained and pegmatitic with no biotite. Typically porphyritic with large feldspars up to 3 cm across, usually with indistinct grain margins. Quite strongly chloritic throughout, chlorite is developed along thin healed fractures. Locally there is minor pyrite with the chlorite.								
		*** END OF HOLE AT 47.85 METERS ***								
		Core stored in racks at Vine property site, Cranbrook, B.C.								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Page No. 1

Name of Property: HOPE | Corr. Dip: -90° | Remarks:

Hole No: H90-2 | Length: 20.4 meters

Location: Hope 2 Claim | Start Date: Oct. 8/90 | Finish Date: Oct. 8/90

Elevation: | Azimuth: 200° | Collar Dip:

Core Size: NQ | Tests at: | Logged by: P. Klewchuk Date: Oct./90

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.0	2.44	Overburden - No core.								
2.44	3.4	SILTSTONE or SILTY ARGILLITE: dark gray, mottled, laminated and crenulated. Fabric which may be bedding is at ~70° to core axis. Small, vague, whitish porphyroblasts are common. Siltstone/argillite is sericitic and pyritic; pyrite is developed as very small ragged patches. Contact with underlying quartzite is gradational over ~5 cm.								
3.4	5.5	ALTERED QUARTZITE: light gray, fine grained, light pink to brownish-red garnet porphyroblasts and patches of light green diopside are variably developed throughout giving a mottled texture. Minor sulphides are present through most of the interval, mainly pyrrhotite and very minor chalcopyrite	4522	4.9	5.5	3	1	0.005	0.03	192

Property: HOPE Hole No.: H90-2 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		but some sphalerite occurs in the lower 50 cm or so. At 5.35 m a chloritic, silicified shear is at 30° to core axis. Chlorite is common throughout occurring typically as thin discontinuous veinlets and usually with pyrite. Relict bedding is at 70° to core axis.								
5.5	6.6	PEGMATITE AND APLITE: coarse grained at margins, fine grained at center. White to light gray quartz and feldspar. Minor dark green chlorite on fractures. Minor pyrrhotite is developed in ragged patches with dark green chlorite at ~6.0 m.								
6.6	7.05	ALTERED QUARTZITE/CALC-SILICATE: garnet-diopside-quartz rock with patches of crystalline calcite and veins and patches of chlorite. Minor disseminated pyrrhotite occurs throughout, disseminated pyrite occurs with chlorite and disseminated dark brown sphalerite occurs with pyrrhotite in marble patches. Both contacts are at 45-50° to core axis.								
7.05	7.2	PEGMATITE DYKE: 15 cm wide mottled, light gray pegmatite of ~60% gray quartz, 40% light gray-white to pale								

Property: HOPE Hole No.: H90-2 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		green feldspar. Locally brecciated with chloritic fractures. Both contacts are at 45-50° to core axis but are not parallel.								
7.2	10.9	MIXED ZONE OF ALTERED QUARTZITE/ARGILLACEOUS QUARTZITE + ARGILLITE: altered quartzite is typical quartz-garnet-diopside, more siliceous than most zones seen so far. Argillaceous quartzite is commonly weakly to moderately (healed) brecciated. Argillites are darker gray, recrystallized, laminations are only vaguely evident. Argillites contain disseminated, fine grained, pyrite. Altered quartzites and argillaceous quartzites contain minor disseminated pyrrhotite. Chlorite is fairly common throughout. Bedding and relict bedding is fairly evident throughout, at 75-80° to core axis. Detailed breakdown: 7.2 - 7.8 m - mainly quartzite. 7.8 - 8.5 m - mainly argillaceous quartzite. 8.5 - 10.3 m - mainly quartzite. 10.3 - 10.9 m - argillite. Irregular small patches of crystalline									

Property: HOPE Hole No.: H90-2 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		white to light gray calcite occur through most of the interval, much of the altered quartzite is calcareous.								
10.9	12.55	MARBLE/25% ARGILLACEOUS QUARTZITE: mainly light gray to white calcite but with ragged patches of altered quartzite, garnet and diopside. 11.1 to 11.6 m is mostly recrystallized, laminated argillaceous quartzite with bedding at ~80^0 to core axis. Marble typically contains about 10% sulphide, not very uniformly distributed. Patches of pyrrhotite and 2-3 mm diameter grains of very dark green chlorite are also disseminated through the marble.	4523 4524	10.9 11.6	11.6 12.6	36 22	3 11	0.04 0.01	0.06 0.03	24 340
12.55	17.45	ALTERED QUARTZITE/CALC-SILICATE: garnet-dioside-quartz rock in approximately equal proportions. Texture is generally quite mottled from patchy development of garnet + diopside. Relict bedding is locally evident at 50 to 65^0 to core axis. Variably chloritic, typically along discontinuous healed fractures. Minor sulphides are scattered through some of the interval, mainly disseminated pyrite but also minor sphalerite.								

Property: HOPE Hole No.: H90-2 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
17.45	18.1	ARGILLITE/FAULT ZONE: dark gray to black pyritic, brecciated to recrystallized, bedding is not evident. At ~17.55 m, 5-10 cm of fault breccia and gouge with carbonate and quartz veining at ~45^0 to core axis.								
18.1	20.4	BIOTITE GRANODIORITE: 15 cm of argillite ~19.25 - 19.4 m. Medium and coarse grained, locally pegmatitic. ~10% biotite, chloritic fractures. Minor brecciation is evident with thin lensy quartz and quartz-chlorite veins.								
		*** END OF HOLE AT 20.4 METERS ***								

Core stored in racks at Vine property site, Cranbrook, B.C.

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Name of Property: HOPE | Corr. Dip: -50° | Remarks:

Hole No: H90-3 | Length: 37.2m

Location: Hope 2 Claim | Start Date: October 8, 1990 | Finish Date: October 9, 1990

Elevation: | Azimuth: 200° | Collar Dip:

Core Size: | Tests at: | Logged by: PK | Date: Oct/90

METERAGE From	To	DESCRIPTION
0.00	8.20	Overburden; some rubbly core of boulders, ~1.0m total, mainly altered quartzite.
8.20	19.30	Altered Quartzite, Calc-Silicate, Minor Argillaceous Quartzite; quartz-garnet-diopside rock. Varied, mottled texture; garnet diopside tend to be concentrated in patches although both occur throughout the interval. Variably chloritic with dark green chlorite, occurring along small healed fractures. Narrow zones of medium and dark grey argillaceous quartzite occur within the interval; apparent relict bedding within these zones varies from 25 to 45° to core axis. Minor sulphides appear concentrated in the lower part of the interval; pyrrhotite, sphalerite and chalcopyrite tend to be concentrated in small patches. At 18.6m a 2 x 4cm patch of disseminated molybdenum occurs within a diopside rich zone.

Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
4525	15.30	16.40	31	1	0.01	0.05	48
4526	16.40	17.40	5	10	0.09	1.23	34
4527	17.40	18.50	1	7	0.07	0.10	22
4528	18.50	19.30	2	5	0.07	0.54	80

Property: HOPE Hole No.: H90-3 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
19.30	25.40	Argillite, Minor Vein Sulphides; dark grey to black, locally medium grey. Vaguely laminated to massive and brecciated with irregular lensey veins of white/light grey calcite. Sulphides occur through most of the interval but are not uniformly distributed. Patchy and disseminated pyrrhotite is most common; sphalerite occurs with larger patches of pyrrhotite and isolated in small patches. Minor disseminated chalcopyrite and galena are also present. Bright green mineral occurs locally with pyrrhotite and sphalerite. Largest patches of sulphides occur at 20.1m (5 to 8cm diam.), 22.2m (30% of core over 15cm), 24.5m (5 - 6cm diam.) coarse galena and 24.75m (25% pyrrhotite and galena over 7 - 8cm of core). All of the argillite is silicified. Relict bedding tends to be 50 - 60^0 to core axis but there is considerable wavy texture. 19.30 - 20.20; 0.9m, numerous patches of pyrrhotite and sphalerite. 20.20 - 21.70; 1.5m, very minor sulphides. 21.70 - 22.70; 1.0m, est. 12% total sulphides, pyrrhotite-sphalerite, very minor chalcopyrite. 22.70 - 23.60; 0.9m, minor sulphides, small patches of pyrrhotite. 23.60 - 24.40; 0.8m, more brecciated, more siliceous, chloritic, minor pyrrhotite.	4529	19.30	20.20	3	14	0.59	2.42	211
			4530	20.20	21.70	1	4	0.10	0.14	67
			4531	21.70	22.70	3	22	0.58	3.27	434
			4532	22.70	23.60	2	5	0.02	0.16	174
			4533	23.60	24.40	31	24	0.35	0.78	189
			4534	24.40	25.40	6	71	1.47	2.77	317

Property: HOPE | Hole No.: H90-3 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		24.40 - 25.40; 1.0m, ~7% patchy pyrrhotite, sphalerite, galena, very minor chalcopyrite.								
25.40 -	25.70	Massive Sulphides; est. 55% pyrrhotite, 10% sphalerite, 10% pyrite and 25% quartzite and rounded blebs of calcite. Upper contact is at 35° to core axis, along a minor fault; lower contact is in broken core. Density of sulphides and pyrrhotite content increases downward; sphalerite is most prevalent in the upper 10cm. Pyrrhotite is vaguely foliated at ~65° to core axis; sphalerite and pyrite are intergrown with pyrrhotite and calcite.	4535	25.40	25.70	19	80	4.78	15.32	287
25.70 -	32.50	Altered Quartzite/Calc-Silicate; mainly light grey quartzite with ~35% streaks and patches of pink-brown garnet and light green diopside. Healed breccia texture; dark green chlorite on fractures. Minor sulphides, pyrrhotite, sphalerite and galena are scattered through the interval; locally the bright green mineral is associated with sulphides. Relict bedding is commonly wavy but tends to be at 40 - 60° to core axis. At 29.6m a 10cm wide pegmatite dyke cuts the quartzite at ~40° to core axis and disrupts bedding.	4536	25.70	26.70	2	5	0.05	0.07	33
			4537	26.70	28.00	2	7	0.10	0.38	63
			4538	28.00	29.60	1	1	0.01	0.16	52
			4539	29.60	31.30	2	3	0.02	0.38	150
			4540	31.30	32.50	5	50	1.08	0.06	32

Property: HOPE | Hole No.: H90-3 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		31.30 - 32.50; 1.2m, minor sphalerite, local coarse galena.								
32.50	- 34.60	Argillite; dark grey to black, silicified. Relict laminations at ~65° to core axis. Healed breccia texture; numerous thin, discontinuous and irregular veins of quartz and calcite. Some fine disseminated pyrite with local small disseminated patches of pyrrhotite.								
34.60	- 35.30	Altered Quartzite; light grey, fine grained, 'bedded' (?) at ~45° to core axis. Small pink-light brown garnet porphyroblasts are developed throughout; locally there is minor, light green diopside. Lower contact with intrusive is at ~50° to core axis.								
35.30	- 37.20	Biotite Granodiorite/Pegmatite; white to light grey, medium and coarse grained; locally flecked with biotite and chlorite. Texture varies, in a mottled way, from pegmatitic to biotitic. Chlorite is typically developed on healed fractures, commonly at 20 - 30° to core axis.								
37.20		END OF HOLE Core stored in racks at the Vine property.								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Name of Property: HOPE

Corr. Dip: -90°

Remarks:

Hole No: H90-4

Length: 38.7m

Location: Hope 2 Claim

Start Date: October 10, 1990

Finish Date: October 10, 1990

Elevation:

Azimuth:

Collar Dip:

Core Size: NQ

Tests at:

Logged by: PK Date: Oct./90

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00	2.40	Overburden; cased to 3.05m, core recovered from 2.4m.								
2.40	7.10	Silicified Argillite, Minor Quartzite; dark grey to black, laminated throughout with bedding at 65° to core axis. Pyritic with fine pyrite disseminated throughout, variably calcareous. A few thin irregular calcite veins occur throughout, parallel, sub-parallel and cross-cutting bedding. Uppermost 12cm of core is ~50% calcite.								
7.10	7.80	Quartzite; light grey, fine grained and silicified. Mixed with 10 - 15% thin lensey bands of siltstone or argillite. Bedding is at 60 - 70° to core axis. Fine disseminated pyrite occurs throughout; coarse pyrite occurs locally at 7.5m with coarse rounded blebs of white calcite.								
7.80	9.00	Argillite, Minor Quartzite; medium to dark grey, laminated and banded, bedding at ~65°								

Property: HOPE | Hole No.: H90-4 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		to core axis. Healed breccia texture; locally bedding is offset a few mm along en echelon healed fractures at ~80° to bedding, 30° to core axis; elsewhere elongate, bedding parallel fragments of argillite are rafted in a matrix of calcite. Minor pyrite is disseminated through much of this interval.								
9.00	9.40	Est. 70% Marble, 30% Quartzite and Argillite; rounded to irregular fragments of light grey quartzite and dark grey to black argillite occur in a 'matrix' of white to light grey crystalline marble. Disseminated coarse grains of dark green (almost black) chlorite, dark brown sphalerite, pyrite and pyrrhotite are scattered through the marble. Pyrite and chlorite are locally concentrated along one quartzite-marble contact. Both contacts are cross-cutting bedding attitude; upper contact is at 60° to core axis and quite sharp; lower contact is very ragged, at 30° to core axis.	4541	9.00	9.40	18	24	0.004	0.03	58
9.40	11.30	Silicified Argillite/Siltstone; medium to dark grey, laminated at 65° to core axis. Pyritic and with numerous thin bedding parallel and cross-cutting calcite and quartz-calcite veinlets.								
11.30	14.20	Altered Quartzite/Calc-Silicate; light grey, fine grained quartzite is extensively skarn altered with mottled development of	4542	11.30	12.50	15	2	0.007	0.08	119

Property: HOPE Hole No.: H90-4 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		pale pink-brown garnets and light green diopside. Minor pyrrhotite, sphalerite and very minor copyrite are concentrated within a 30cm section of core at 11.8m, associated with a weak calcareous zone. Fabric, probably relict bedding, is evident through part of the interval, at ~65^0 to core axis.								
14.20	32.30	Silicified Argillite, Minor Quartzite; dark grey to black, evidently laminated but bedding is largely destroyed by silicification. Bedding is quite consistent at ~65^0 to core axis. Fine disseminated pyrite is common throughout, ~2%; locally coarse pyrite is developed with some calcite veins. Calcite veins occur throughout parallel to bedding and cross-cutting. Locally calcite forms a vein matrix in small breccia zones. At 22.0m and 24.3m, vein calcite occurs along minor faults, nearly parallel to core axis, with local broken core. Narrow, light grey quartzite zones, up to 25cm thick, occur in a few places; typically these lack garnet or diopside but some zones have garnet and/or diopside. Between 26.5 and 29.6, a mislatch occurred and only 1.3m of core was recovered; this includes a central quartzite zone; bedding in the quartzite and immediate hangingwall is steeper than normal, 0^0 to 20^0 to core axis suggesting local folding.								

Property: HOPE | Hole No.: H90-4 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
32.30	32.60	Pegmatite Dyke; light grey, coarse grained, mottled. Upper contact at 30° to core axis; lower one at ~45° to core axis; dyke is cut by (mostly healed) chloritic fractures at 60 - 65° to core axis. Minor pyrrhotite and pyrite occur with quartz along a healed fracture at ~90° to chloritic fractures.								
32.60	33.30	Silicified Argillite; similar to above, silicified, locally brecciated with calcite vein matrix. Bedding at 60° to core axis.								
33.30	33.50	Pegmatite Dyke; similar to above; chloritic; top contact at 35° to core axis, broken and offset along a fracture at 10° to core axis; lower contact at 50° to core axis.								
33.50	35.70	Silicified Argillite; as above but more massive; less brecciated, less carbonate veining. Bedding at 75 - 80° to core axis.								
35.70	38.70	Biotite Granodiorite; pale grey-green, medium and coarse grained, porphyritic; chloritic. Texture is quite variable with numerous healed chloritic fractures and veins of light grey quartz and white calcite. Most fractures are at 15 - 30° to core axis.								
38.70		END OF HOLE Core is stored in racks at the Vine property.								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Name of Property: HOPE | Corr. Dip: -45° | Remarks:

Hole No: H90-5 | Length: 29.3m

Location: Hope 2 Claim | Start Date: October 11, 1990 | Finish Date: October 12, 1990

Elevation: | Azimuth: 198° | Collar Dip:

Core Size: NQ | Tests at: | Logged by: PK Date: Oct/90

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00	3.70	Casing; no core. Note: from 3.70 to 13.7m core is broken and rubbly; fractures and ends of pieces are oxidized. Bedding attitudes appear conformable at 30 - 45° to core axis. It appears that this is bedrock but a badly weathered zone. 25% core loss from 3.70m to 13.70m.								
3.70	8.20	Altered Quartzite/Calc-Silicate; mottled texture with grey (quartzite), green (diopside) and pink (garnet). Minor veinlets of dark green chlorite. Local disseminated small patches of pyrrhotite. Relict bedding, where recognizable, is at 45° to core axis.								
8.20	10.80	Argillite; dark grey to black; broken weathered and punky. Locally brecciated. A few irregular quartz veins/inclusion are limonitic.								

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: HOPE Hole No.: H90-5 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
10.80	13.70	Altered Quartzite, Minor Calc-Silicate; medium grey, generally spotted throughout with very pale pink garget porphyroblasts. Locally pink garnets and green diopside creates a mottled texture. At ~12.80m a 10cm section of darker chloritic garnet-diopside altered quartzite comes minor sphalerite and pyrrhotite and the bright green mineral. Bedding is generally quite vague, at ~35° to core axis.								
13.70	14.30	Silicified Argillite; dark grey to black, foliated (probably relict bedding) at 10 - 25° to core axis. Minor fine grained pyrite is disseminated throughout.								
14.30	16.00	Biotite Granodiorite; mottled, light grey-white-very light green colour; medium coarse grained, chloritic. Fractures are limonitic from surface weathering; both contacts are broken and limonitic.								
16.00	19.90	Altered Quartzite/Calc-Silicate, Vein and Disseminated Sulphides, 2 Narrow Pegmatite Dykes; grey, fine grained quartzite is largely obliterated by strong mottled development of light pink-brown garnets and light green diopside. Most of the interval is a healed breccia with narrow discontinuous veinlets of dark green chlorite and sulphides	4543	16.00	16.40	6	5	0.08	0.08	277
			4544	16.40	17.10	17	37	1.16	1.72	622
			4545	17.10	17.70	8	5	0.13	0.34	437
			4546	17.70	18.50	21	52	1.73	2.85	641
			4547	18.50	19.30	18	10	0.17	1.35	268
			4548	19.30	19.90	5	5	0.08	3.72	243

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		including pyrrhotite, sphalerite, pyrite, galena and very minor chalcopyrite. Sulphides occur through the entire interval but are irregularly distributed. Most of the interval is weakly to strongly magnetic; strongest where sulphides are concentrated. The top 40cm of the interval is more argillaceous, more brecciated with vein matrix of chlorite and white calcite or dolomite, and with only minor sulphides. At 17.40m a 15cm section of core is strongly, almost entirely, chloritic. Calc-silicate is weakly calcareous. Relict bedding is typically at ~40° to core axis. Two narrow pegmatite dykes are present; at 18.40 - 18.60 and 19.00 - 19.30m. Both are light grey to pale green, coarse grained and with virtually no mafics; very minor chlorite. All contacts are parallel or sub-parallel to each other at 30° to 45° to core axis.								
19.90 - 24.40		Biotite Granodiorite; fairly leucocratic; biotite content varies from <1% to ~7%. Light grey mottled, medium coarse grained, weakly chloritic. Light pink garnet porphyroblasts are scattered through most of the interval, comprising 1 - 1.5% of the rock; locally there is minor disseminated pyrite.								

Property: HOPE Hole No.: H90-5 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
24.40	25.90	Argillite; dark grey to black; relict bedding is at ~60° to core axis. Locally pyrrhotite and the bright green mineral are associated with light grey quartz (quartzite?) lenses or patches. Bright green mineral and pyrrhotite are also disseminated through the argillite. One thin biotite granodiorite dyke, 25.25 - 25.45m, has sharp contacts at 60° to core axis, weakly chloritic.								
25.90	29.30	Biotite Granodiorite; light grey, mottled, porphyritic; few large feld Spars up to 6cm long. Weakly chloritic throughout with a few light pink garnets and very minor disseminated pyrite.								
29.30		END OF HOLE								
		Core stored in racks at the Vine property.								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Name of Property: HOPE | Corr. Dip: -90o | Remarks:

Hole No: H90-6 | Length: 12.2m

Location: Hope 2 Claim | Start Date: October 12, 1990 | Finish Date: October 12, 1990

Elevation: | Azimuth: 198^0 | Collar Dip:

Core Size: NQ | Tests at: | Logged by: PK | Date: Oct. 13/90

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00	3.05	Casing; no core.								
3.05	4.65	Calc-Silicate Skarn, Altered Quartzite; mainly light green diopside, darker green chlorite, pink - light brown garnets and minor light grey quartzite. Mottled texture, in part healed breccia. Minor pyrrhotite and sphalerite are scattered through the interval.	4549	3.10	4.70	5	1	0.004	0.06	14
4.65	5.10	Marble, Disseminated Sulphides; light grey to very pale green, generally coarse grained, moderately magnetic. Disseminated and ragged vein sulphides occur throughout, estimate 7% total volume. Mainly pyrrhotite and sphalerite with lesser galena and minor chalcopyrite. Sulphides increase towards the base of the zone and grade into more massive sulphides below. Hangingwall contact is a "minor" slip, at 65^0 to core axis; sharp, broken contact.	4550	4.70	5.10	21	20	0.19	0.10	247

Property: HOPE Hole No.: H90-6 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
5.10	5.30	Semi-Massive Sulphides; contact between marble and underlying skarn calc-silicate appears to be at 20° to core axis and hosts a 5 to 7cm wide pyrrhotite-sphalerite vein. Lower contact with silicate is sharpest but disseminated and ragged vein sulphides extend both upwards into marble and downwards into calc-silicate. Sulphides are mainly pyrrhotite with lesser, but significant, sphalerite and minor galena and chalcopyrite. Strongly magnetic.	4551	5.10	5.30	17	163	2.65	8.45	949
5.30	8.00	Altered Quartzite, ~50% Calc-Silicate, ~15% Silicified Argillite; mainly light grey, fine grained silicified quartzite with patchy development of garnet-diopside skarn and scattered narrow zones of silicified laminated black argillite. Pyrrhotite and sphalerite are common in the upper 10cm, diminishing rapidly below, although disseminated pyrrhotite and sphalerite occur throughout. Minor galena occurs locally. Chloritic, much of it is a healed breccia. Bedding in argillites is at 40° to 60° to core axis.	4552	5.30	5.80	5	7	0.08	1.84	92
			4553	5.80	6.90	6	17	0.25	0.11	103
			4554	6.90	8.00	3	4	0.04	0.03	58

Property: HOPE | Hole No.: H90-6 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
8.0	11.0	Argillite, Minor Calc-Silicate and Marble; dark grey to black, laminated, sericitic and silicified. Disseminated pyrrhotite and pyrite are common. Bedding is quite uniform at ~65° to core axis. Narrow bands of lighter grey quartzite with some garnet-diopside are present; these typically have minor sulphides including pyrrhotite, pyrite, sphalerite and chalcopyrite. One 4cm wide band of white/light grey marble at 10.4m carries minor disseminated pyrrhotite, pyrite and sphalerite. Bright green mineral is locally present.								
11.0	12.2	Biotite Granodiorite; medium coarse grained, porphyritic. Pale grey to greenish, chloritic. About 30cm of the zone near 11.3m is light grey (bleached?) argillite or siltstone, brecciated by granodiorite.								
12.2		END OF HOLE								
		Core stored in racks at the Vine Property								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Name of Property: HOPE | Corr. Dip: -62° | Remarks:

Hole No: H90-7 | Length: 29.6m

Location: Hope 2 Claim | Start Date: October 13, 1990 | Finish Date: October 13, 1990

Elevation: | Azimuth: 200° | Collar Dip:

Core Size: NQ | Tests at: | Logged by: PK | Date: Oct/90

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00	6.10	Casing; no core.								
6.10	7.00	Mixed Lithologies of Broken Core; bottom 30cm is mixed siliceous argillite and altered quartzite/calc-silicate, may be bedrock. Contact at 7.0m is in broken, oxidized core.								
7.00	10.90	Granite/Biotite Granodiorite; light grey to very pale green, medium coarse grained. Varies from quite leucocratic to having ~6% biotite and chlorite. Core is fairly broken with limonitic fractures. At 9.8m a 2 - 3cm wide quartz vein at 40° to core carries patchy irregular veinlets of sulphides, mainly pyrrhotite and sphalerite with minor pyrite and galena. Sulphides comprise about 15% of the narrow vein and extend a short distance into the adjacent leucocratic granite.								

Property: HOPE | Hole No.: H90-7 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
10.90	14.20	Silicified Argillite; ~25% quartzite. Mainly dark grey to black but also medium and light grey. Mostly laminated at 40 - 50° to core axis. Some healed breccia texture with veinlets and patches of quartz and calcite. Fine disseminated pyrite occurs throughout.								
14.20	15.00	Mainly Quartzite, Minor Skarn and Marble; light grey to white, locally pink garnets and green diopside. Banded at 40° to core and mottled. Marble occurs intermixed with medium grey quartzite from 14.2 to 14.7m; mostly skarn below. Minor disseminated sphalerite and pyrrhotite and pyrite occurs in the marble and there is minor sphalerite and pyrrhotite in the skarn. One very small patch of molybdenite at 15.0m.								
15.00	29.60	Argillite, very minor Marble and Quartzite; generally dark grey to black, locally medium grey. Typically laminated with bedding at 35 - 40° to core axis. Locally graphitic; at 18.3m a very irregular, convoluted contact between slightly folded argillite and mottled greenish quartzite/calc-silicate is a graphite vein 1 - 4mm wide. Sericitic and pyritic. Minor patches of quartzite/calc-silicate of marble occur scattered through								

Property: HOPE | Hole No.: H90-7 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		the argillite; these vary from being bedding-parallel to being irregular patches. Minor sulphides, pyrrhotite, sphalerite, galena and pyrite occur with some of the calc-silicate and marble.								
29.60		END OF HOLE								
		Core stored in racks at the Vine property								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Name of Property: HOPE | Corr. Dip: -45° | Remarks:

Hole No: H90-8 | Length: 22.9m

Location: Hope 2 Claim | Start Date: October 14, 1990 | Finish Date: October 14, 1990

Elevation: | Azimuth: 249° | Collar Dip:

Core Size: NQ | Tests at: | Logged by: PK | Date: Oct/90

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00	1.50	Casing; no core.								
1.50	4.80	Argillite; 1.5m to 4.6m only ~1.0m maximum recovery. Broken, rubbly core; generally dark grey to black, limonitic-oxidized. Fresher pieces are pyritic. A few pieces of core are of lighter grey quartzite. Bedding is at 40 - 45° to core axis. At ~4.0m 5-10cm of rubbly core is pegmatite, probably a narrow dyke.								
4.80	22.86	Quartzite, Minor Argillite, few Pegmatite/Granite Dykes; most of the interval is thin bedded, silicified quartzite; typically light grey, medium grey, light green, light brown and pinkish-orange i.e. quite vari-coloured. Pink garnets and green diopside are developed locally and chlorite is common through much of the zone. This interval differs from previous quartzite								

Property: HOPE | Hole No.: H90-8 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		intersections in holes 1 through 7 in that the quartzite is more uniformly thin bedded and has less calc-silicate developed. Narrow zones are dark grey to black, evidently silicified argillite. Bedding is typically and fairly consistently at ~45° to core axis but locally varies from 80° to 25° to core axis. Weak vein and disseminated sulphides occur through most of the section, usually pyrite with chlorite but also pyrrhotite and minor sphalerite. The bright green mineral is also present. Three pegmatite, granite dykes are present, detailed below. At 7.9m, an irregular white pegmatite vein 2 - 6cm wide cuts the core at ~90° to bedding. Detailed stratigraphy: 4.80 - 5.45; banded quartzite, medium grey to pale pink chloritic, pyritic patches and bedding-ll laminations. 5.45 - 5.60; white-light grey chloritic pegmatite dyke, contacts ll and sub-ll to bedding at 45° to 60° to core axis. 5.60 - 9.90; banded, vari-coloured quartzite with ~20% darker grey argillite. Bottom 50cm is mainly argillite. 9.90 - 10.35; coarse-grained, light grey pegmatite dyke, leucocratic. Contacts sub-parallel to bedding, slightly irregular, at ~70° to core axis.								

KOKANEE EXPLORATIONS LTD.
DRILL HOLE RECORD

Property: HOPE | Hole No.: H90-8 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		10.35 - 11.25; light, medium and dark grey quartzite and 15% argillite. Vein and disseminated pyrrhotite and pyrite are common over 20cm near 10.75m.								
		11.25 - 12.00; biotite/chlorite granodiorite. Medium coarse grained; biotite and chlorite are generally strongly developed but vary in concentration. One 10cm zone at 11.85m contains ~40% mafics.								
		12.00 - 16.25; light grey, pink and brown banded quartzite.								
		16.25 - 22.86; mixed quartzite and ~30% argillite. Argillite is silicified, pyritic, discontinuously interbedded with quartzite.								
22.86		END OF HOLE								
		Core stored in racks at the Vine property.								

KOKANEE EXPLORATIONS LTD.

DRILL HOLE RECORD

Name of Property: HOPE | Corr. Dip: -90° | Remarks:

Hole No: H90-9 | Length: 17.4m

Location: Hope 2 Claim | Start Date: October 15, 1990 | Finish Date: October 15, 1990

Elevation: | Azimuth: | Collar Dip:

Core Size: NQ | Tests at: | Logged by: PK | Date: Oct/90

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
0.00	1.50	Casing; core starts at ~1.0m NOTE: Bedrock at drill site on surface is argillite so DDH H90-9 is collared at an argillite-quartzite contact.								
1.00	17.37	Mainly Altered Quartzite, Minor Pegmatite Dykes and Biotite Granodiorite								
1.00	1.90	Altered Quartzite; light and medium grey, locally skarn/calc-silicate altered with pink garnets and light green diopside. Banded (relict bedding) at 60 - 80° to core axis. Minor sulphides are scattered through the quartzite; small patches of pyrrhotite and sphalerite.								
1.90	2.30	Pegmatite Dyke; light grey-white to very pale green. Coarse grained. Chloritic fractures at 5° to 30° to core axis; minor fault with some clay gouge at ~30° to core axis at ~2.0 m. Both contacts are at 70 - 80° to core axis.								

Property: HOPE Hole No.: H90-9 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
2.30	5.50	Altered Quartzite; medium to light grey, typically thinly banded at 75° to core axis. Fine grained and silicified. Very minor sulphides (1-2%) are scattered through the zone; disseminated and in ragged vein-like patches, usually associated with dark green chlorite. Pyrite, pyrrhotite and sphalerite are present.								
5.50	7.40	Altered Quartzite, Vein Sulphides; medium dark grey, vaguely banded and 65 - 70° to core axis. About 5% patchy vein and disseminated sulphides occur through the interval; these are typically associated with chlorite. Sulphides are mainly pyrrhotite and associated chalcopyrite with minor local sphalerite.	4555	5.50	6.00	3	3	0.003	0.15	298
			4556	6.00	7.40	1	3	0.002	0.04	529
7.40	7.95	Pegmatite, Minor Vein Sulphides; medium coarse grained, light grey-green, mottled, chloritic. Minor pyrrhotite, pyrite, and sphalerite occur with chloritic veins; a few small isolated patches of pyrite are scattered through the intrusive.	4557	7.40	8.00	1	1	0.003	0.02	39
7.95	10.15	Altered Quartzite; medium to darker grey, quite chloritic. Fairly well banded/laminated at 70 - 80° to core axis. Minor patchy vein and disseminated sulphides occur throughout. Mainly pyrrhotite but with	4558	8.00	9.10	2	2	0.001	0.33	325
			4559	9.10	10.20	1	3	0.001	0.35	435

Property: HOPE Hole No.: H90-9 Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
		minor chalcopyrite and sphalerite. Texture is most disturbed where sulphides are more concentrated.								
10.15	10.80	Altered Quartzite; medium grey, locally pink and brown from development of garnet. Still chloritic and with minor sulphides but diminished from overlying zone. Three narrow pegmatite dykes, 1 - 6cm wide, occur sub-parallel and cutting bedding at 40 to 80° to core axis.								
10.80	12.10	Pegmatite or Granite; light grey-white, medium coarse grained, mottled and chloritic. May be leucocratic "biotite granodiorite". Both contacts cut bedding at 10.8m, 80° to core axis, 20° to bedding; at 12.1m, 40° to core axis, 50° to bedding.								
12.10	14.40	Altered Quartzite, Calc-Silicate Skarn; light grey to pink-brown. Locally darker pink-brown and light green from mottled development with garnet and diopside. Relict bedding is at 80° to core axis. Very minor disseminated pyrrhotite. 7 - 8cm wide, bedding-parallel quartz-rich pegmatite veins near 12.8m.								

Property: HOPE | Hole No.: H90-9 | Location: Hope 2 Claim

METERAGE From	To	DESCRIPTION	Sample No.	From	To	Au ppb	Ag ppm	Pb %	Zn %	Cu ppm
14.40	15.70	Biotite Granodiorite; grey-white quartz and feldspar, est. 10% biotite, 5% chlorite. Mottled, medium and coarse grained. Both contacts are sharp, parallel or sub-parallel to bedding at ~80° to core axis.								
15.70	16.75	Altered Quartzite, Minor Granite; medium grey to grey-green, wavy laminated at 75 - 80° to core axis. Very minor disseminated iron sulphides, 15cm wide granite dyke, 70° to core axis, cuts bedding at ~30°, at 16.3m.								
16.75	17.37	Biotite Granodiorite; mottled light grey, est. 3 - 4% biotite, 3% chlorite, 1/2 - 1% very small pale pink-brown garnets. Hangingwall contact is bedding-parallel at ~65° to core axis.								
17.37		END OF HOLE								
		Core stored in racks at the Vine property.								