

ARIS SUMMARY SHEET

District Geologist, Victoria

Off Confidential: 92.03.12

ASSESSMENT REPORT 21083

MINING DIVISION: New Westminster

PROPERTY: Eagle

LOCATION: LAT 49 32 00 LONG 122 02 00
UTM 10 5486976 569948
NTS 092G09E

CAMP: 020 Lillooet River - Harrison Lake Belt

CLAIM(S): Eagle 1, Eagle 3

OPERATOR(S): Cuttle, J.F.

AUTHOR(S): Cuttle, J.F.

REPORT YEAR: 1991, 30 Pages

COMMODITIES

SEARCHED FOR: Zinc, Lead, Copper, Cadmium, Silver

KEYWORDS: Jurassic, Harrison Lake Formation, Rhyolites, Quartz diorites, Gossans
Sphalerite, Arsenopyrite

WORK

DONE: Geochemical

ROCK 32 sample(s) ;ME
Map(s) - 1; Scale(s) - 1:20 000
SILT 7 sample(s) ;ME

RELATED

REPORTS: 19465

MAP FILE: 092GNE021

SUB-RECORDER
RECEIVED
MAR 12 1991
M.R. # \$
VANCOUVER, B.C.

LOG NO: <i>March 14/91</i>	RD.
ACTION:	
FILE NO:	

EAGLE 1,2 and 3 Mineral CLAIMS

New Westminster Mining Division

NTS 92 G/9E

Longitude 122 02'
Latitude 49 32'

1990 GEOLOGICAL and GEOCHEMICAL PROPERTY WORK
(FAME GRANT # 12000-P22)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,083

by

J. Cuttle
PO Box # 37009
2930 Lonsdale Ave,
North Vancouver, B.C
V7N-2M2

Jan 30, 1991

TABLE OF CONTENTS

	page
SUMMARY	1
INTRODUCTION	2
LOCATION and ACCESS	2
PRESENT CLAIM STATUS	2
HISTORY and PREVIOUS WORK	3
GEOLOGY and MINERALIZATION	3
1990 FIELD WORK	4
Stream Sediment Sampling	4
Rock Geochemistry	4
Prospecting	7
RECOMMENDATIONS	9
REFERENCES	10

ILLUSTRATIONS

- Fig 1. Property Location Map
- Fig 2. Current Claim Map , 92G/9E, 1:50,000
- Fig 3. Property Sample Location, 1:20,000 in folder

APPENDIX

- #1 Rock and Silt Geochemical Results
- #2 Cost breakdown of field work
- #3 Noranda Property Visit and Results, Jun/1990
- #4 Qualifications

SUMMARY

The Eagle claims, located 8 kilometres north of Chehalis Lake in the New Westminster Mining Division received 9 mandays of geochemical sampling and geological groundwork by the author during the summer months of 1990. This program isolated highgrade base metal mineralization (Zn,Pb,Ag,Cu,As) and consequently resulted in the staking of 18 new mineral claims. The work was entirely funded by a provincial prospecting grant.

A total of 44 units (Eagle 1-3) cover a four kilometre area of highly gossanous and hydrothermally altered rhyolitic to andesitic sequence of Harrison Lake and Fire Lake volcanics. Bedding dips gently to the west (20-35) and several of the valleys and gulleys within the claim boundary expose this alteration zone, notably in the south, central and northern portions of the property. The central exposure of this gossanous zone located in a creek valley on Eagle 1 has received the majority of ground work since its staking in 1989. Samples of highly epidotized mafic volcanic with lessor rhyolitic component have given assays up to 13.7% Zn, 8.9% As, 0.75 opt Ag, 0.3% Pb, 0.2% Cu, and 900 ppb Au. Accompanying these float samples are boulders of massive pyrite, rhyolitic agglomerate, arsenopyrite rich quartz diorite, and chloritized and epidotized mafic volcanics. The creek exposures to the north and south of the central gossan on Eagle #1 suggest this alteration zone to be more than 4 kilometres long. These two drainages have yet to be prospected in detail although silt samples from both are anomalous in copper, arsenic, gold and silver, and float samples of massive arsenopyrite and disseminated chalcopyrite are found in mafic volcanics. Interestingly enough the geochemical signatures surrounding and draining the Eagle claims from a regional chemical program conducted by the BCDM (released July 1990) are very similar to that found around the Quet property (Aranlee Resources) at the north end of Harrison Lake.

Only a small portion of the property has been examined on the ground due to lack of funds, the rugged terrain and late season snow conditions. From the 1990 field work and more particularly the 1977 field work conducted by Chevron (#6446) there remain several Zn,Pb,Cu,Ag anomalies that will have to be looked at in detail when weather and snow conditions are more favourable.

INTRODUCTION

The Eagle 1 and 2 claims were staked by the author on April 23, 1989 to cover an extensive zone of sulphide rich skarn formation in contact with and adjacent to the Jurassic Harrison Lake Group and the Cretaceous Coast Plutonic Complex. The Eagle 3 claim was staked on July 6, 1990 to increase the ground position in the area.

A total of 24 rock samples and 4 silt samples were taken during 1990 in areas that could be reached relatively easily, particularly on the east side of Eagle #1 and #3 claims. Other areas of notably heavy gossan seen in the central portions of the claims have yet to be prospected and are considered highly prospective zones for additional outcropping of volcanogenic and skarn type mineralization.

LOCATION and ACCESS

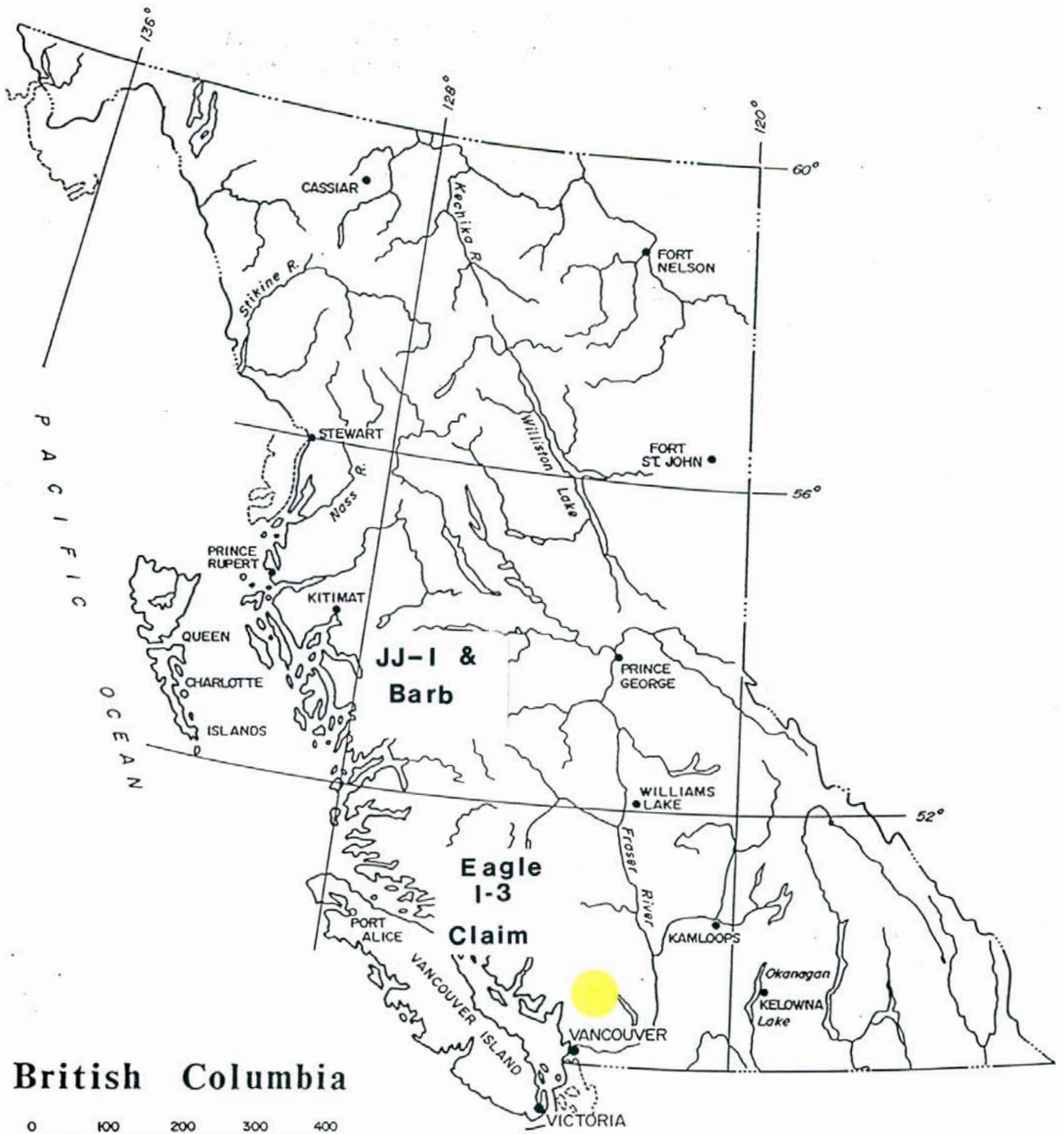
The Eagle mineral claims are found on NTS 92G/9E approximately 8 kilometres north of Chehalis Lake and 110 kilometres east of Vancouver. Well maintained logging roads from Harrison Mills head up the west side of the Chehalis River and access the south and east sides of the Eagle 1, 2 and 3 claims. The remainder of the property is accessible only by foot or helicopter. The topography is extremely rugged throughout the property with elevation varying from 500 to 1650 meters. Recently a new logging road has is being driven to the west along the northern sections of Eagle Creek and when completed it will offer excellent access to the central parts of Eagle #3 claim.

CLAIM STATUS

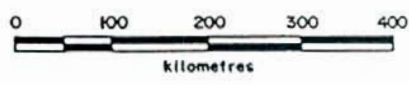
A total of three claims (44 units) surround the sulphide rich zones found in the Eagle Creek area. With the work described in this report the claims are in good standing until April 23 and July 6, 1993.

(** New Westminster Mining Division **)

<u>CLAIM</u>	<u># UNITS</u>	<u>RECORD #</u>	<u>RECORDED</u>	<u>ANNIVERSARY</u>
Eagle 1	20	3622	Apr 23/89	Apr 23/93
Eagle 2	6	3623	Apr 23/89	Apr 23/92
Eagle 3	18	4025	Jul 06/90	Jul 06/93



British Columbia

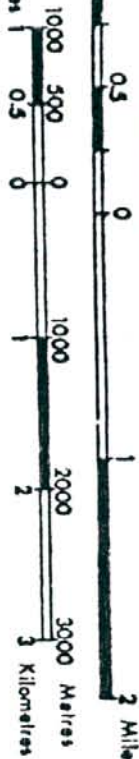


PROPERTY LOCATION			
DRAWN	w.g.l.	SCALE	see above
DATE	Sept. 1990	FIG. No.	1



EAGLE 1-3 CLAIMS

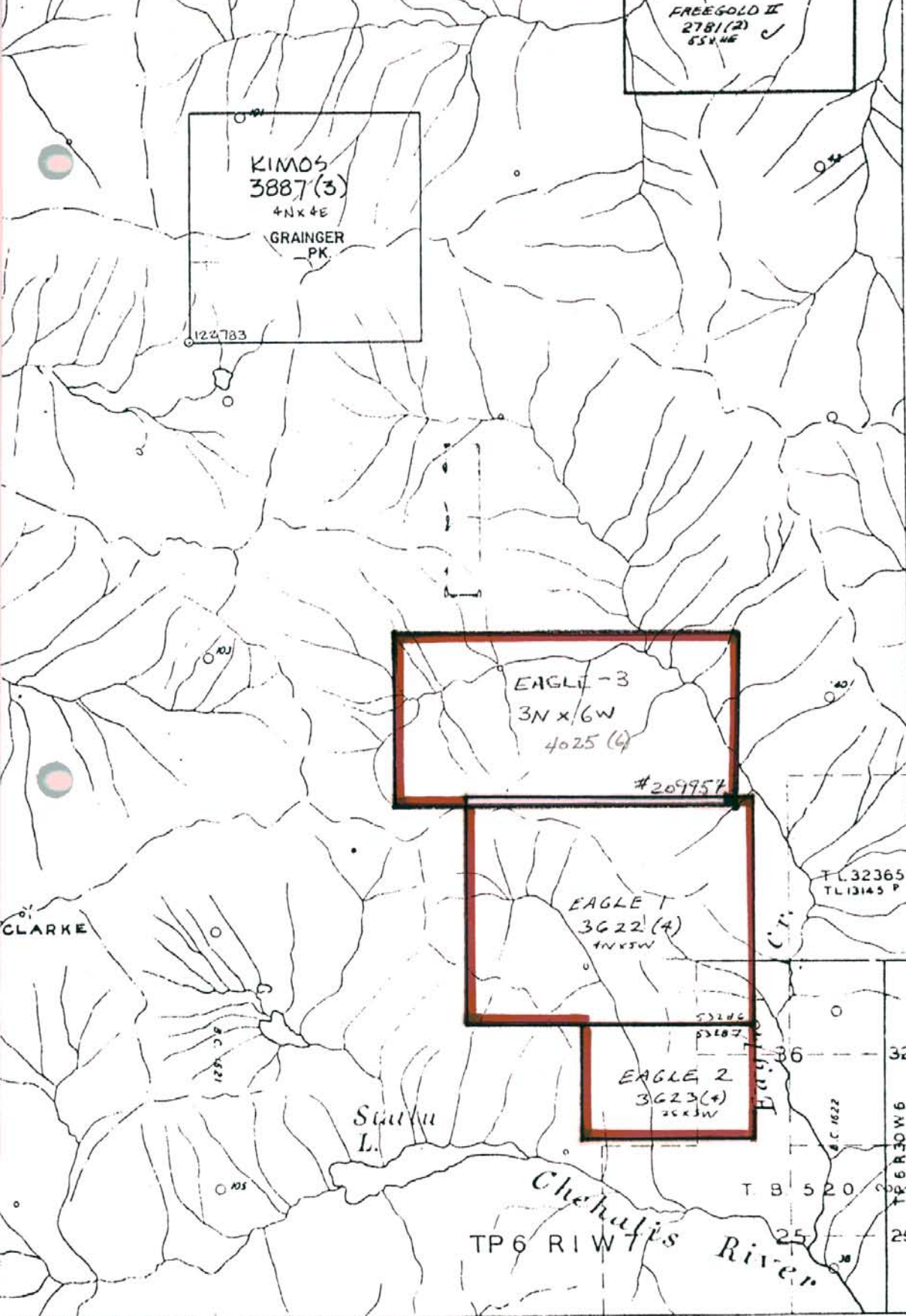
SCALE 1:2,000,000 | Fig. 1.



UNLESS VERIFIED OR SURVEYED, THE MAP POSITION OF A LEGAL CORNER POST IS BASED ON THE LOCATOR'S SKETCH, FOR FURTHER INFORMATION, APPLY TO THE OFFICE OF THE MINING DIVISION CONCERNED.

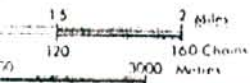
DATE OF MICROFILM: 1990 June 28

M 92G/9E



TITLES REFERENCE MAP 92G/9E
MINING AND PETROLEUM RESOURCES VICTORIA, B.C.
This map shows only the location of mineral claims that have not been surveyed. Where the legal corner post has been verified it is indicated with the symbol, Ver. Additional information on the claims may be obtained at the Mining Division concerned.

Map prepared from Air Interim Map 92G/9E (1959)
Aerial photographs dated 1948, '52
Completed 27-4-76 Mitchum Chang



HISTORY and PREVIOUS WORK

The only recorded data of previous work in this area is from assessment reports submitted by Chevron in 1976 and 1977 where their interest was focused on the potential of Cu,Pb,Zn volcanogenic mineralization hosted by the Harrison Lake Group. Geochemical sampling, geological mapping and reconnaissance prospecting was primarily concentrated on a linear contact zone between the Harrison Lake Group and the Coast Range intrusives. Several areas of massive to semi massive pyrite were isolated over a length of 3.5 kilometres, most of which have coincident but untested copper, lead and zinc geochemical anomalies. There were only a few assays for gold. Chevron had kept the property in good standing for several years and later allowed it to lapse, when it was restaked by J. Cuttle in early 1989.

GEOLOGY and MINERALIZATION

Much of the Eagle Creek area, although highly faulted includes a variety of incomplete stratigraphic sections of hydrothermally altered Mid Jurassic Harrison Lake felsic volcanics and the associated overlying sedimentary volcanic agglomerates, tuffs, shales and sandstones of the Mysterious Creek and Billhook Creek Formations. A fault bounded sliver of mafic to intermediate volcanic flows and tuffs of what may possibly be the overlying Cretaceous Fire Lake Volcanics can be seen in the north edge of the Eagle # 1 claim. Bedding of the units are generally very flat to the west and southwest. Intruding these volcanics are a variety of feldspar porphyry and quartz diorite plugs and dykes, most of which to date are small intrusives of less than 20 meters in width and they underlie the extensive gossan zone found on the property. Apart from these broad descriptions very little geological mapping has been done to accurately place the stratigraphic successions within a known geological group. Mid to Late Cretaceous quartz diorite of the Coast Range intrusives is in contact with the Harrison Lake Group along the western portions of the claims. This northwest trending contact is a zone of extensive skarn type sulphide enrichment and hornfels development with closely associated areas of massive coarse pyrite, arsenopyrite and minor pyrrhotite. Other float samples of massive and banded arsenopyrite, pyrrhotite, sphalerite and lesser galena and chalcopyrite within a mafic and other times cherty host suggest a volcanogenic nature to the ore. Several NE/SW trending faults (both normal and strike slip), particularly along the north ends of both the Eagle # 1&3 claims cut these gossanous zones and from previous work (Chevron, 1977) are known to host disseminated chalcopyrite, sphalerite, magnetite and pyrrhotite mineralization.

1990 FIELDWORK

Stream Sediment Sampling

A total of four stream sediment samples were taken on small creeks draining to the east in the central parts of the Eagle #3 claim. Only one of these samples is anomalous in arsenic and guided the author to the location of massive arsenopyrite and chalcopyrite boulders. These float samples have been very likely displaced from the upper stretches of North Creek where the gossanous rocks are a 1.5 kilometre strike continuation of the known mineralized (Zn,As,Pb,Ag) gossan zone exposed to the south in Alder Creek on the north edge of Eagle #1 claim. This anomaly coincides very nicely with a larger Au,As,Sb,Zn,Pb silt anomaly isolated by the B.C.D.M in 1990 (GSC Open File # 2184).

A better silt program must be conducted on the smaller creeks that drain this gossan zone on Eagle #3, and in particular a concentrated effort must be taken to sample the upper stretches of all these areas.

Rock Geochemistry

Twenty four rock samples were taken, primarily from the gossanous boulders found along Alder Creek (Eagle #1) and to a lesser extent to the north on Eagle #3 along small creek exposures with similar gossanous material. Locations and descriptions of these rock samples are as follows:

Eag-JC-9 located at 2560' along Eagle Creek to north of claims. Quartz vein or boudin with 5% weathered and fresh disseminated to penny size accumulates of pyrite.

Eag-JC-10 located at 2750' in slide area along south side of Eagle Creek. Greyish yellow quartzite with 2% disseminated pyrite and possible sphalerite.

Eag-R-11 float on Alder Creek at 2540'. Sphalerite rich mafic volcanic(?) with pyrrhotite chlorite and minor silica matrix. Small fine laminated magnetite. (type #1).

Eag-R-12 float on Alder Creek at 2550'. More siliceous epidote/chlorite rich rock with blotchy sphalerite and magnetite. (type #1)

Eag-R-13 float on Alder Creek at 2560'. Rhyolite to felsic subvolcanic with 30% disseminated pyrite in quartz gangue. Common on property.

Eag-R-14 float on Alder Creek at 2610'. Lenses of massive magnetite and sphalerite within epidote pyrrhotite rich matrix. Sample has part of obvious chert bands with disseminated pyrite.

Eag-R-15 float on Alder Creek at 2615'. Pyrrhotite sphalerite mix within an altered intermediate to mafic volcanic host. Zones of silica enrichment.

Eag-R-16 float on Alder Creek at 2630'. Heavy sample of sphalerite, magnetite, pyrrhotite rich rock in mafic volcanic host.

Eag-R-17 float on Alder Creek at 2645'. Epidote arsenopyrite/stibnite rich skarn material (?) with blotchy manganese stain and sphalerite.

Eag-R-18 float on Alder Creek at 2640'. Sphalerite pyrrhotite rich rock in felsic host. Similar to Eag-R-14.

Eag-R-19 float on Alder Creek at 2980'. Epidote, pyrrhotite, magnetite rich mafic volcanic with minor felsic or silicified zones.

Eag-R-20 float on Alder Creek at 3040'. Magnetite, sphalerite, pyrrhotite epidote rich intermediate volcanic. Small specks of muscovite or stibnite(?)

Eag-R-21 float on Alder Creek at 3100'. Epidote, magnetite, pyrrhotite rich altered mafic to intermediate volcanic. Found on left draw looking up.

Eag-R-22 float on Alder Creek at 3150'. Arsenopyrite-sphalerite rich mafic volcanic.

Eag-R-23 @ 2490' on Alder Cr. Arsenopyrite rich altered intrusive(?) float beside o/c of slightly porphyritic quartz diorite in contact with silicified dacite (@ 009/82E).

Eag-R-24 @ 2990' on Alder Creek. Massive arsenopyrite with minor po and cpy. In right draw. Float.

Eag-R-25 @ 3220' in left draw of Alder Creek. Sphalerite, arsenopyrite, pyrrhotite in altered epidote rich andesite. Float

Eag-R-26 @ 3300' in left draw of Alder Creek. Similar to Eag-R-25. Zn,As,Po rich. Float.

Eag-R-27 @ 3350' in left draw of Alder Creek. Aspy rich with minor sph in gangue of feldspar phenocrysts. Float.

Eag-R-28 @ 3800' near top of left draw on Alder Creek. Outcrop of rusty felsic bed(?) approx 1.0 meter wide, with po, aspy, and py.

Eag-R-29 @ 3460' up left draw of Alder Creek. Aspy, sph, py rich float in mafic matrix(?).

Eag-R-30 @ 3000' in junction of left and right draws. Sphalerite rich mafic volcanic with po and mag.

Eag-R-31 @ 3380' on left branch of North Creek(Eagle #3). Cpy, Po rich mafic volcanic float just below small falls.

Eag-R-32 @ 3395' on left branch of North Creek(Eagle #3). Similar to Eag-R-31. Cpy not as abundant.

(**Samples EAG-R-31 & 32 **)

The snow levels in the North Creek at this point of the year (July) are still very high and better prospecting of the talus float could be conducted in early Sept.

Other rock types seen in the steep creek valleys of Alder Creek and North Creek include dark grey/black dacite, quartzite, various purple hornfels, grey arkose, porphyritic intrusives, argillites, and rhyolitic agglomerates.

The following are the assays from the rock samples obtained during the 1990 field season:

		Ag(ppm)	As(ppm)	Cd(ppm)	Pb(ppm)	Zn(ppm)	Au(ppb)
Eag-R-9	float	.2	14	.6	62	10	4
Eag-R-10	---"	.6	1	.1	26	9	2
Eag-R-11	---"	1.4	159	60.7	40	6126	2
Eag-R-12	---"	2.3	1	17.3	120	1803	1
Eag-R-13	---"	.7	26	1.0	37	88	1
Eag-R-14	---"	1.7	1	.8	46	63	1
Eag-R-15	---"	1.7	1	.2	25	57	2
Eag-R-16	---"	26.0	82	950.1	3184	13.7%	36
Eag-R-17	---"	3.1	1068	110.7	401	1.1%	1
Eag-R-18	---"	2.6	71	118.4	190	1.2%	1
Eag-R-19	---"	5.9	1.6%	313.6	717	2.1%	31
Eag-R-20	---"	2.4	150	54.1	163	5289	2
Eag-R-21	---"	3.7	220	31.9	299	3014	3
Eag-R-22	---"	8.8	8.9%	.1	952	1.2%	162
Eag-R-23	---"	4.1	275	3.8	194	462	20
Eag-R-24	---"	2.1	1	41.4	13	6439	10
Eag-R-25	---"	2.3	149	155.9	161	1.6%	5
Eag-R-26	---"	2.1	51	53.9	237	6057	5
Eag-R-27	---"	11.1	12.1%	1001.8	2004	3.3%	900

		Ag(ppm)	As	Cd	Pb	Zn	Au(ppb)
Eag-R-28	o/c	1.5	291	.1	32	143	10
Eag-R-29	float	4.2	1.1%	382.3	934	2.8%	30
Eag-R-30	--"---	3.1	126	276.7	123	2.9%	40
Eag-R-31	--"---	2.3	372	.1	36	299	10
Eag-R-32	--"---	4.3	806	.1	21	166	5

(** Eag-R-31,32 geochemed 1621 and 1979ppm Cu respectively)

From the location map of these samples on Alder Creek they all can be roughly grouped into 3 general areas of mineralization, as suggested by the property sample location map. This may represent 3 distinct zones of mineralization buried in the talus on Alder creek.

Analysis of the rocks taken within the mineralized areas of the property suggest a close relationship of arsenopyrite / sphalerite / chalcopyrite / galena with associated cadmium, gold and silver. Two types of mineralization are proposed here, epidote rich skarn, and secondly banded volcanogenic massive sulphide.

Prospecting

All the easterly and southeasterly flowing creeks found on the property offer an excellent chance to map in detail the flat lying volcanic and sedimentary rocks of both the Harrison Lake and Fire Lake Groups. Again due to limited access and insufficient funds only the eastern portions of the property were investigated.

The property is underlain by "Harrison Lake" and "Fire Lake" Group volcanic and sedimentary rocks, most of which are partially preserved flat lying stratigraphic sequences. A detailed study of the actual stratigraphy on the property remains to be completed although in the area of Alder Creek in the north east section of the Eagle #1 claim, the base sequence is generally a mafic volcanic flow and tuff with small sections of rhyolitic flows (Fire Lake Volcanics north of Alder Creek fault). It grades upward and is in faulted contact with a rhyolitic cap (Harrison Lake Group) with associated intermixed cherts and argillites. The extreme top of the exposure consists of a thick sedimentary unit (Mysterious Creek and Billhook Creek Formations) of argillite and mudstones, most of which shows little deformation. An extensive gossan zone (> 4 kms) can be seen extending throughout the property boundaries and beyond, particularly to the east across the Eagle Creek valley. This zone, as exposed in Alder Creek, is the result of 5-10% pyrite in rhyolite and chert beds. Some of this rock types have sphalerite,

arsenopyrite and magnetite with massive zones of pyrite and pyrrhotite. The locations of these areas are not confined to Alder Creek alone but float samples of massive arsenopyrite and copper rich mafic volcanic have been isolated to the north on the Eagle #3 claim in one of the creek valleys. This has suggested the flat lying gossanous horizon that stretches throughout all the claims may serve as a marker horizon for a zone of Zn,Pb,Cd,Ag +/- Au mineralization. Prospective areas to look would be in the volcanic pile just below the iron rich cherts and rhyolites within the silicified mafic volcanics. Other areas of interest are the gossanous zones found to the east of Eagle Creek where the same mineralized marker horizon is very likely exposed. Alder Creek itself has formed along a northeast trending fault zone, separating a small sliver of "Fire Lake Volcanics" to the north from "Harrison Lake Volcanics" to the south.

Of particular interest are two mineralized outcrops of arsenopyrite and/or pyrrhotite rich intrusive quartz diorite and feldspar porphyry. The first outcropping of this rock type can be located on Alder creek at 2490'. This small dyke or plug of quartz diorite has intruded and silicified the surrounding dacite. Second, and perhaps more interestingly is the location of a larger feldspar porphyry plug (approx exposure of 20m x 20m) underlying the flat lying and stratigraphically controlled (?) gossan zone on the upper reaches of Alder Creek (+3100'). A very short time was spent at these outcrops and they without hesitation deserve to be prospected and sampled in detail.

RECOMMENDATIONS

The Eagle claims need additional groundwork to isolate potential drill targets. To elevate this mineral property to such a status the following is recommended:

1). Geochemical stream sediment sampling of the smaller creeks found on Eagle #3 claim that drain the gossanous and possibly mineralized marker horizon. Any anomalous results for Zn,Pb,Cu,Ag and in particular Au,As and Sb have suggested in the past the existence of mineralized float up stream.

2). The flat lying gossanous "marker horizon" found throughout the property should be prospected particularly in the three creek exposures of Sulphide Creek in the southwest, along Alder Creek in the central portion of the claims and along North Creek on the Eagle #3 claim in the north. Access to some of these areas is particularly lengthy and if possible helicopter should be used. This marker horizon is thought to be very closely associated to the stratabound and skarn type mineralization found on the property.

3). Investigate the extent of the known small intrusive bodies (feldspar porphyry and quartz diorite), their location with respect to the gossanous marker horizon and better still their location with respect to mineralization if the sphalerite is found in outcrop. Any alteration (clay,sericite,chlorite) of the intrusive or distinct zones of quartz vein stockwork suggest these stocks may be very closely associated with the mineralization.

4). A soil sampling program conducted over the gossanous areas of the property would locate and verify results obtained by Chevron in 1977. All soils this time would be analyzed for Zn,Cu,Pb,Cd,Ba,As,Sb,Ag,and Au.

REFERENCES

- Cuttle, J., 1989. Geochemical and Geological Report on the Eagle 1 and 2 Mineral Claims, New Westminster Mining Division. NTS. 92G/9E
- Dodson, E., 1971. Geological Report on the HI Claims. NTS: 92G/9E Assessment Report # 3622.
- Fox, M., 1977. Geological and Geochemical Report on the Shrew Property for Chevron Standard Minerals Ltd. NTS: 92G/9E. Assessment Report # 6446. 11 p.
- Journeyay, M., and Csontos, L., 1989. Structural Setting along the Southeast Flank of the Coast Belt, B.C., in Current Research, Part E, GSC Paper 89-1E, p 177-187.
- _____, 1990. Stream Sediment Survey, NTS: 92G. B.C. RGS 26, GSC Open File 2184.
- Wilson, R., 1990. Noranda Property Visit of Eagle Claims. Private Company Files. Geochem results and notes.

APPENDIX 1
(Rock and Silt Geochemical Results)

APPENDIX 2
(Statement of Costs)

Statement of Costs

<u>Wages</u>	9 Mandays @ 350/day	3150.00
<u>Samples</u>	24 rock and 4 silt	400.00
<u>Rentals</u>	Truck @ 60/day for 8 days	480.00
<u>Expenses</u>	Gas, food and supplies	500.00
<u>Drafting</u>	Base maps with new addition of claims	200.00
<u>Report Compilation</u>	3 days	1050.00
<u>Map copies and Xerox</u>	70.00
<u>Noranda Property Visit</u>	Rob Wilson, June 29/90	500.00
	(8 rocks and 3 silts + time)	
	Total	6350.00
	plus 30% PAC	1905.00
		8255.00

Eagle #1 (20 units)	\$4000	2 years work (1993)	
Eagle #2 (6 units)	\$600	1 years work, [REDACTED] (1992)	
Eagle #3 (18 units)	\$3600	2 years work (1993)	
	\$8200		

APPENDIX 3

(Noranda Property Visit, Jun 1990)

Noranda Exploration Company, Limited
(no personal liability)
P.O. Box 2380,
Vancouver, B.C.
V6B 3T5

noranda

1050 Davie Street
Phone (604) 684-9246
Fax (604) 689-8439
Telex 04-51331

November 2, 1990

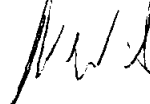
Mr. Jim Cuttle,
c/o Cyprus Gold,
1810 - 1055 West Hastings Street,
Vancouver, B.C.
V6E 2E9

Dear Jim;

As per our telephone conversation of this A.M. please find enclosed a photocopy of the results of samples I collected on your Eagle Claims (92G/9E) June 29, 1990. Included is a sample location map at 1:50,000. Please note that the rock samples were of creek bed float only, and that "R" designates rock sample and "S" designates silt sample.

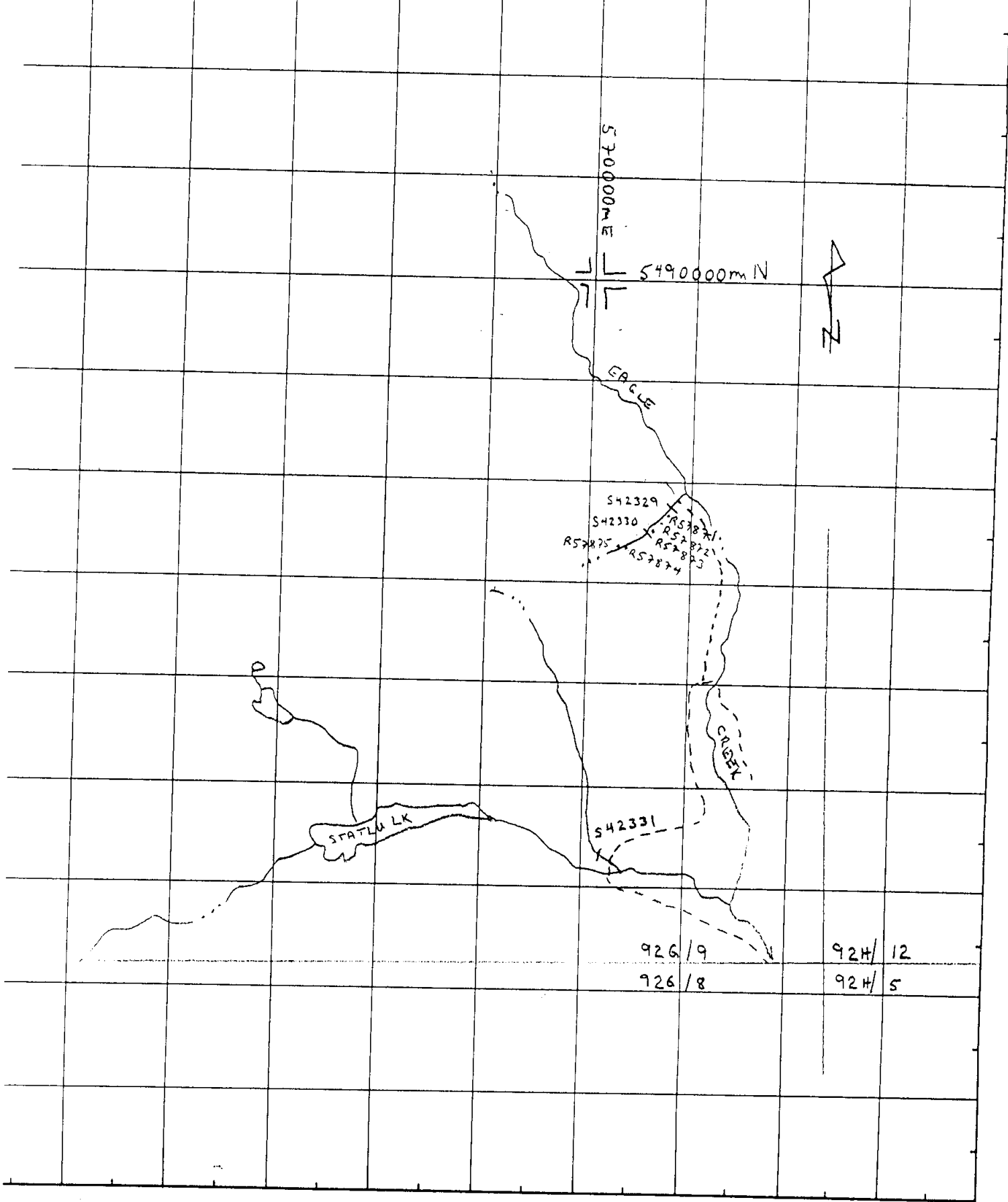
Should you feel that new discoveries (especially the source of the mineralized float) warrant a return visit I would be happy to accompany you. My current understanding is that you are not presently vending the property, however, if you decide to option or sell same please let Rick Kemp or I know. Your property has some interesting potential and Noranda would like to consider it further as a possible acquisition.

Yours sincerely,



Rob Wilson
Project Geologist

RW/ie
encl.



No. of SAMPLES 8 SAMPLE No's. S 42329 - S42331
R 57871 - 57875

PROJECT 127 DATES SAMPLED JN 27/10 to 1/1 COLLECTORS RW

REMARKS GENERAL - Prop Claim EAGLE CLAIMS - JIM CUTLER

SCALE 1:50,000 N.T.S. No. 926/9

G.C.I. No. 57932

GEOCHEMICAL ANALYSIS CERTIFICATE

Eagle Claims (RW)

Noranda Exploration Co. Ltd. PROJECT 9007-077 127 File # 90-2912 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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
R 57871	2	670	448	18129	3.4	9	31	412	6.70	7	5	ND	1	59	154.7	3	12	16	1.33	.075	2	12	.11	5	.19	2	.80	.01	.01	3	11
R 57872	2	99	21	148	.4	41	19	206	5.95	9	5	ND	2	106	.9	4	2	26	.89	.051	2	12	.22	55	.13	2	.93	.06	.06	1	5
R 57873	2	418	1352	13074	8.8	13	262	341	6.32	44826	5	ND	1	58	112.1	14	20	11	1.06	.061	2	8	.11	4	.05	4	.70	.01	.01	1	100
R 57874	3	288	343	1423	2.8	17	306	638	8.92	50641	5	ND	1	59	11.1	25	16	24	.90	.042	3	14	.84	13	.06	2	1.57	.06	.02	1	310
R 57875	2	614	757	19057	5.7	16	138	354	7.09	17260	6	ND	1	57	169.4	8	10	10	1.00	.054	2	12	.08	2	.06	3	.67	.01	.01	3	70
STANDARD C	18	60	38	132	7.0	72	31	1057	3.97	37	23	7	40	52	18.5	12	20	59	.56	.094	40	59	.93	183	.09	36	2.00	.06	.13	13	-

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: P1 Rock P2 Silt AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUL 25 1990

DATE REPORT MAILED: Aug 2/90

SIGNED BY.....D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

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
S 42329	3	93	43	207	.2	28	19	843	7.75	383	5	ND	1	152	1.2	7	2	60	1.07	.067	7	22	1.20	196	.06	2	3.25	.07	.06	2	11
S 42330	3	116	38	265	.2	36	27	960	8.41	591	5	ND	1	172	1.2	15	7	60	1.10	.068	8	22	1.19	159	.05	7	3.68	.07	.06	1	21
S 42331	5	120	24	122	.2	20	26	625	6.52	98	5	ND	1	88	.9	2	2	113	1.01	.042	4	33	1.21	105	.12	2	3.19	.08	.09	1	30

APPENDIX 4
(Qualifications)

STATEMENT OF QUALIFICATIONS

I, JIM CUTTLE, of the Municipality of North Vancouver, in the Province of British Columbia, certify as follows regarding the work performed on the Eagle 1-3 Mineral Claims .

That I am a geologist having practised my profession in Canada and Norway for the past 11 years.

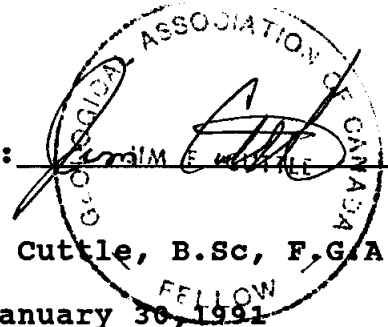
That I am a graduate of the University of New Brunswick with a Bachelor of Science in Geology.

That I am presently working as a private consultant at the home address of P.O # 37009, 2930 Lonsdale Ave, North Vancouver, B.C.

That I am a Fellow of the Geological Association of Canada.

That I am the sole owner of the Eagle 1,2 and 3 mineral claims located in the New Westminster Mining Division of British Columbia.

Signed:



Jim Cuttle, B.Sc, F.G.A.C

January 30, 1991



The following are geochemical results from silt samples taken during ~~1990~~ 1990 field season by J. Cutler: (** 1990 Noranda #'s 8-42330 **)

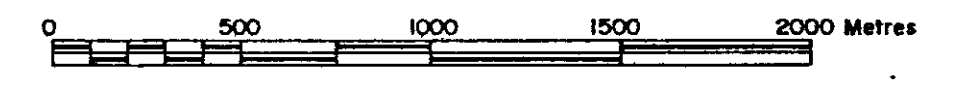
	Ag (ppm)	As (ppm)	Sb (ppm)	Cu (ppm)	Zn (ppm)	Au (ppb)	
Eag-S-13	1.2	1	1	70	53	1	Eagle Cr
Eag-S-14	1.3	1	1	66	51	1	-----
Eag-S-15	.5	1	1	29	26	2	North Cr
Eag-S-16	1.0	159	1	91	93	2	-----

The following are geochemical results from rock samples obtained during ~~1990~~ 1990 field seasons:

	Ag (ppm)	As (ppm)	Cd (ppm)	Pb (ppm)	Zn (ppm)	Au (ppb)	
Eag-R-9	.2	14	.6	62	10	4	
Eag-R-10	.6	1	.1	26	9	2	
Eag-R-11	1.4	159	60.7	40	6126	2	
Eag-R-12	2.3	1	17.3	120	1803	1	
Eag-R-13	.7	26	1.0	37	88	1	
Eag-R-14	1.7	1	.8	46	63	1	
Eag-R-15	1.7	1	.2	25	57	2	
Eag-R-16	26.0	82	950.1	3184	13.7%	36	
Eag-R-17	3.1	1068	110.7	401	1.1%	1	
Eag-R-18	2.6	71	118.4	190	1.2%	1	
Eag-R-19	5.9	1.6%	313.6	717	2.1%	31	
Eag-R-20	2.4	150	54.1	163	5289	2	
Eag-R-21	3.7	220	31.9	299	3014	3	
Eag-R-22	8.8	8.9%	.1	952	1.2%	162	
Eag-R-23	4.1	275	3.8	194	462	20	
Eag-R-24	2.1	1	41.4	13	6439	10	
Eag-R-25	2.3	149	155.9	161	1.6%	5	
Eag-R-26	2.1	51	53.9	237	6057	5	
Eag-R-27	11.1	12.1%	1001.8	2004	3.3%	900	
Eag-R-28	O/C	1.5	291	.1	32	143	10
Eag-R-29	float	4.2	1.1%	382.3	934	2.8%	30
Eag-R-30	---	3.1	126	276.7	123	2.9%	40
Eag-R-31	---	2.3	372	.1	36	299	10
Eag-R-32	---	4.3	806	.1	21	166	5

(Eag-R-8, 31, 32 geochemed 2062, 1621 and 1979ppm Cu respectively)

- + + + Intrusive Rocks
- ~ ~ ~ NE, + NW FAULTS
- EAG-R-13 - Rock Samples
- x EAG-S-15 - Silt Samples
- ||||| Gossan Zone



EAGLE 1, 2, 3 CLAIMS
 Rock Sample Location
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

SCALE 1:20000 NTS: 92G/9

21,083