BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1994/95
REPORT #:	PAP 94-32
NAME:	MARY ANNE LARRABEE

DIAMOND DRILLING REPORT
STEELE GROUP MINERAL CLAIMS
Golden Mining Division
Lat.50°43'30'',Long.116°34'
NTS.# 82K/10E

Report For: G.& M.Larrabee
P.O.Box 471,
Invermere, B.C. V0A 1K0

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January, 1995

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(1:1000 scale) . . . (in pocket)

Summary

A surface trench exposes over 1.0 meter of massive sulphide mineralization as replacement mineralization within dolomite of the Mount Nelson Formation. This zone strikes Az340° and dips steeply west. Stratigraphically, this is the same horizon that hosted the 2.3 million ton Pb,Zn,Ag,Cu,Ba deposit at the Mineral King Mine, Toby Creek, B.C.. This zone was intersected by drill hole #S94-1.

The other 5 holes were drilled from one set-up north of the first drill hole site. Intersections of massive sulphide mineralization in some of these holes indicate that a different mineralized zone exists at depth which crosscuts the main dolomite unit, strikes Az030 and dips steeply to the northwest. More than one dolomite unit likely exists on the property as these dolomite units commonly pinch and swell and are intercalated within the Mount Nelson Formation as a whole.

Whereas surface assays from the trench contain mostly steel argentiferous galena (Certificate # A9430706), assays from drill intersections at depth reveal a much lower Pb/Zn ratio with combined assays of up to 50% Pb,Zn and 4.3% Ag. The ICP results show that the arsenic and antimony content is high indicating a vein type of genesis for the ore. However, sulphides within the 2-6 meter thick dolomite unit appear to have replaced carbonate as beds and sporadic disseminations.

Not enough information exists in order to calculate any proven tonnage of ore. However, in the author's opinion it is probable that at least 100,000 tonnes of argentiferous galena and sphalerite rich ore could be developed (using a strike length of 150m, depth of 75m and an average width of 1 meter). The high grade sulphide zone(s) (Zn rich) intersected in hole numbers 2-6 represent an anastomosing vein which cross-cuts the dolomite unit. Replacement type sulphide mineralization (Pb rich) found within this dolomitic unit likely originated from the cross-cutting structure. This is essentially the same circumstance that led to the formation of the Mineral King orebody (2.3 million tons of about 10% combined Pb,Zn with values in Ag,Cu,Cd and Ba.) which is located 40km south but at the same stratigraphic level. Barite values on the Steele Group however are low and this is the only factor that doesn't fit the model. High arsenic values may result in a smelting problem.

Further work is recommended.

1.0 INTRODUCTION

1.1 Location and Access

The Steele group claims are located in the Steele basin which is located north of Lead Queen Mountain on upper Francis Creek approximately 30km northwest of Radium, B.C.. Access is via the Westside Road to the Francis Creek Forest Road (16km sign), then 14km west to the Steele Claims access road (41.7km), then north 6.2km along a narrow mine road to the site.

1.2 Property

The Steele Group consists of 13 two-post claims and two old crown granted claims which are presently held as a mining lease.

Claim Name	# units	Record #	Expiry Date
L12500	1	-	Lease # 96
L12499	1	-	" "
Steele 3	1	1760	AUG. 31, 2004
Steele 4	1	213442	JULY 21, 2002
Steele 5	1	213443	" "
Steele 6	1	213444	" "
Steele 7	1	213445	" "
Steele 8	1	213446	" "
Steele 9	1	213447	" "
Steele 10	1	213448	" "
Steele 11	1	213449	" "
Steele 12	1	213736	AUG. 18, 2002
Steele 13	1	213737	" "
Steele 14	1	213738	" "
Steele 15	1	213739	" "
	15 units total		

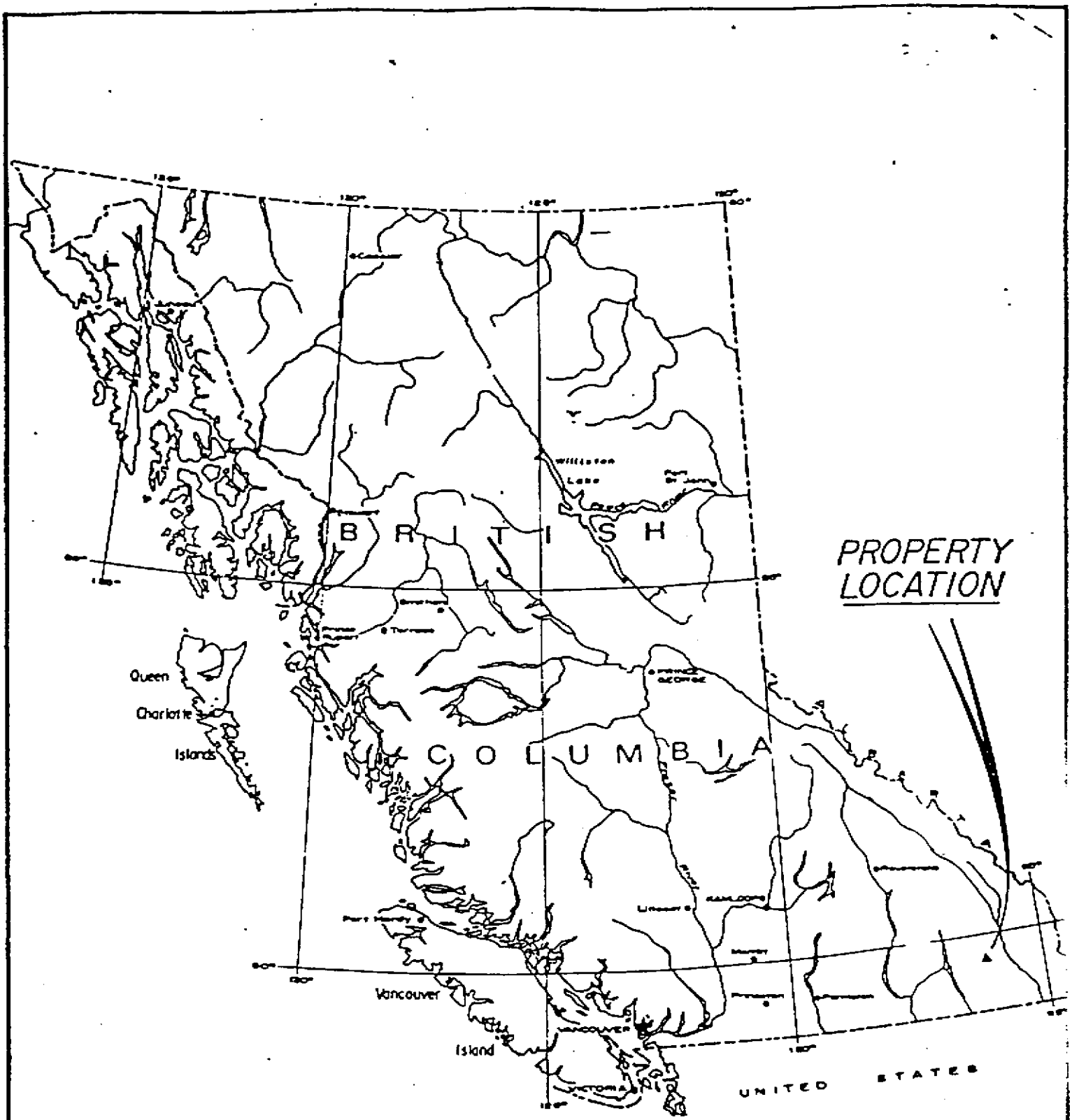
1.3 History

Intermittent work done from 1900 to 1925 involved two adits and some stoping. A total of 450 tons shipped.

Property acquired in 1969 by G.& M.Larrabee. One option agreement started with Francis Creek Mines Ltd. with no work done on the ground.

Work done during 1994 consisted of 1111 feet(338.6m) of AQ diamond drilling.

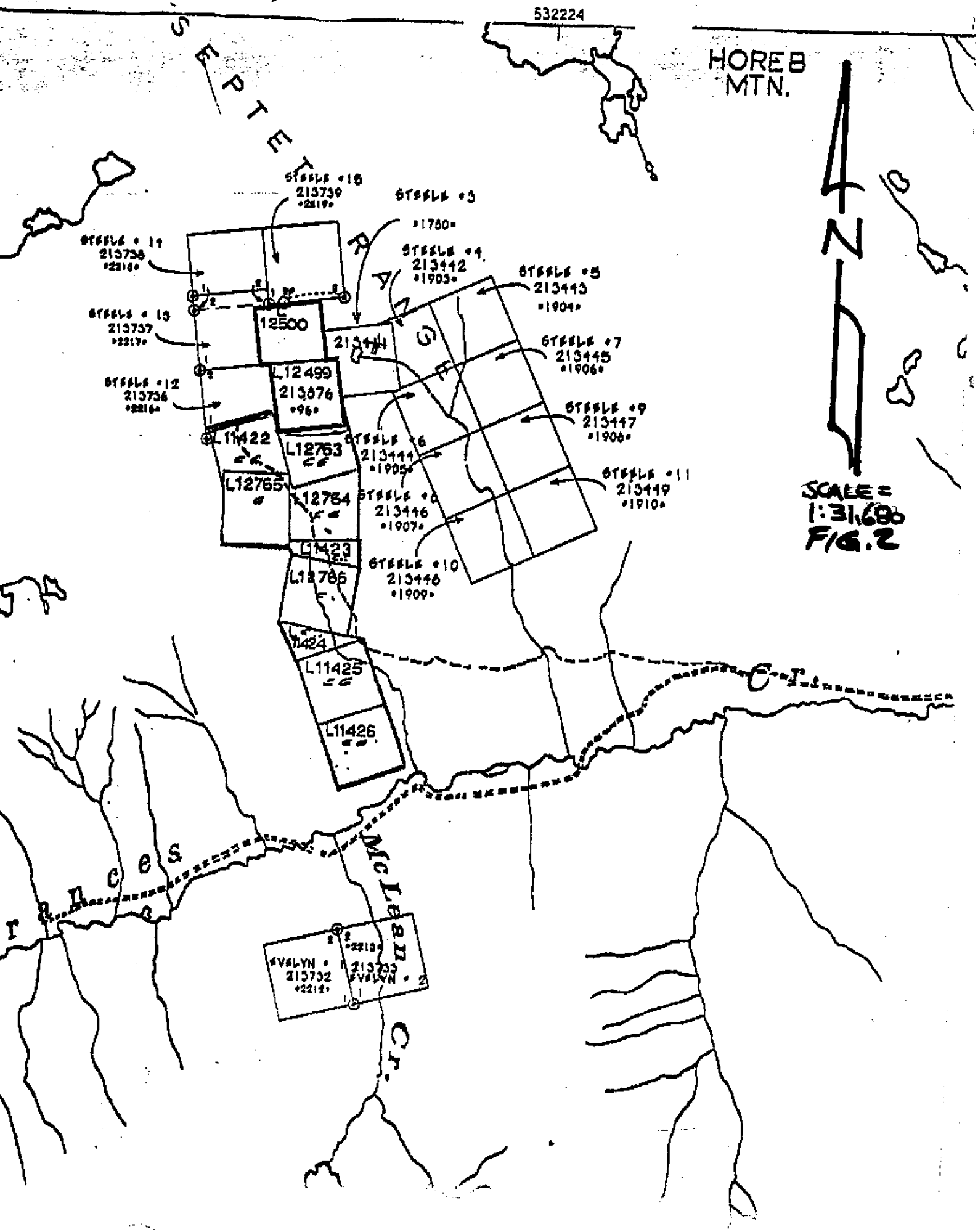
Prior to 1994, no geological mapping, geophysics, diamond drilling or systematic sampling had ever been done on the property.



STEELE GROUP

Figure 1

LOCATION MAP


532224
HOREB MTN.
SEPTET
PASS
STEELE #15
213739
#2219
STEELE #3
#1760
STEELE #14
213738
#2218
STEELE #4
213442
#1903
STEELE #5
213443
#1904
STEELE #13
213737
#2217
L12500
213111
STEELE #7
213445
#1906
L12499
213676
#96
STEELE #12
213736
#2216
STEELE #9
213447
#1908
L11422
L12763
STEELE #6
213444
#1905
L12765
L12764
STEELE #8
213446
#1907
STEELE #11
213449
#1910
L11423
L12766
STEELE #10
213446
#1909
L11424
L11425
L11426
McLean Cr.
EVELYN #2
213732
#2212
EVELYN #1
213733
#2213
SCALE = 1:31,680
FIG. 2

2.0 GEOLOGY

2.1 Regional Geology

The Steele Group lies within the Mount Nelson Formation of Upper Proterozoic Age. A large outcrop of thick bedded, very fine grained white quartzite marks the base of the Mount Nelson Formation which is overlain by units of grey-purple argillite and dolomite. The dolomite weathers buff-brown and is often cherty and argillaceous. It commonly occurs as thin beds or lenses and is the host rock for the replacement type Pb,Zn,Ag,Cu,Ba,Cd orebody at the Mineral King Mine, Toby Creek, B.C..The Mineral King mine produced 2.3 million tons of ore which commonly ran 6-10% combined Pb,Zn and 0.5-1.0oz/t Ag.

The Dutch Creek formation underlies the Mount Nelson Formation and contains slates, quartzites, limestone, dolomite and quartzites. Overlying the Mount Nelson Formation is a pebble, boulder conglomerate known as the Toby Formation.

The Mount Nelson Formation is 900-1200 meters thick in the Francis Creek area.

2.2 Property Geology

Rock types on the property include green-grey-tan schist / argillite, dark grey-light grey cherty argillaceous dolomite, white quartzite and grey-brown argillite.

The property is located within the Mount Nelson Formation. The basal white quartzite unit is located 300 meters west of the workings and drill sites.

Ore lenses and pods developed within the main dolomite unit exhibit replacement type characteristics. Occasional disseminations of Pb and Zn also occur within the dolomite. An open cut west of the drill holes exposes a 1.0 meter thick section of massive steel galena with minor brown sphalerite, quartz and pyrolusite. This mineralization can be traced to the south within the dolomite for at least 100 meters. It thins out to the south after approximately 30 meters and can be traced for another 70 meters south within the dolomite as sporadic pods and wisps containing increasing amounts of manganese.

Shearing has been observed striking Az030^{o} on the property. The dolomite unit which hosts the ore lies on the west limb of a recumbent anticline which is open to the east.(see figure 3)

Other occurrences of Pb, Zn and Cu are known of on the property but were not investigated by the author.

3.0 DIAMOND DRILLING

A total of 1111 feet (338.6 meters) of AQ core diamond drilling was done on the property during 1994 in six holes.

The following table summarizes the drill program;

Hole #	Depth (feet)	Depth (meters)	Bearing	Dip
S94-1	70	21.3	243°	-8
S94-2	237	72.2	245°	-15
S94-3	225	68.6	289°	0
S94-4	171	52.1	284°	-35
S94-5	168	51.2	310°	0
S94-6	240	73.2	310°	-35
	1111 ft	338.6m		

Hole numbers 2,4 & 6 had 2-3 meters of extreme core loss. Core recovery overall was good (95-98%). The core loss in these holes is suspected to represent soft sulphide zones. In hole number 2 the drill cuttings were saved and these assayed almost 5% combined Pb and Zn.

Hole number 1 intersected 0.7m of massive sulphide within a green-grey cherty, phyllitic, argillaceous dolomite. The sulphides present consist of Pb,Zn with anomalous amounts of AsPy and Sb.

Hole number 3 intersected two sulphide zones separated by 18.5ft (5.6m) of grey-white argillaceous quartzite. The upper zone gave 21.5% combined Pb,Zn in (0.3m) assays and the lower zone gave 24.% combined Pb,Zn over 0.9m. The lower sulphide zone was intersected 20m before the main dolomitic unit.

Hole number 5 intersected 0.7m of massive sulphide concordant with bedding and then 0.06m of quartz-PbS breccia with 0.5m of argillaceous dolomite in-between containing disseminated Pb and Zn. Assays gave an average of about 45% combined Pb,Zn and 5.0oz/t Ag over 0.7m. The lower 0.6cm zone contained about 5.0% Zn.

Alteration on both footwall and hangingwall sides of vein mineralization commonly consists of sericitization, kaolinization and carbonate freckling. Shearing and brecciation near to vein mineralization is commonly healed by quartz. Manganese is common within the main dolomite unit. Trace amounts of chrysocolla were observed on fractures near the bottom of hole number 5.

Drill core is presently stored at the residence of the author.

4.0 CONCLUSIONS and RECOMMENDATIONS

A surface trench exposes over 1.0 meter of massive sulphide mineralization as replacement mineralization within dolomite of the Mount Nelson Formation. This zone strikes Az340^{O} and dips steeply west. Stratigraphically, this is the same horizon that hosted the 2.3 million ton Pb,Zn,Ag,Cu,Ba deposit at the Mineral King Mine, Toby Creek, B.C.. This zone was intersected by drill hole #S94-1.

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Seasonal road access is good except for the last kilometer. The ore zone area is covered by a mining lease (#96) and the area is not affected by the impending CORE land use decisions.

A sample of lead should be age dated (Proterozoic lead would indicate a syngenetic origin).

Steep topography precludes most geophysical surveys. Mise a la Masse however would probably work well. Enough conductive sulphide exists in the mineralized zone to be energized. Downhole EM might also be tried.

A detailed geological map should be made of the immediate area including all other showings.

Further diamond drilling is warranted however as the zone(s) of interest appear to dip to the west and northwest, drill sites will be difficult to establish.

REFERENCES

Reesor,J.E.,1973;Geology of the Lardeau Map-Area East-Half, British Columbia. GSC Memoir 369.

STATEMENT of QUALIFICATIONS

I, Glen M. Rodgers of Skookumchuck, B.C., hereby certify as follows:

1. I am a consulting Geological Engineer presently registered with the Association of Professional Engineers and Geoscientists of British Columbia.

2. I graduated from the University of Manitoba in 1977 with a bachelor's degree in Geological Engineering.

3. Since graduation, I have practised my profession continuously in Western Canada, Yukon Territory, Alaska and Central America working primarily in the field of mineral exploration.

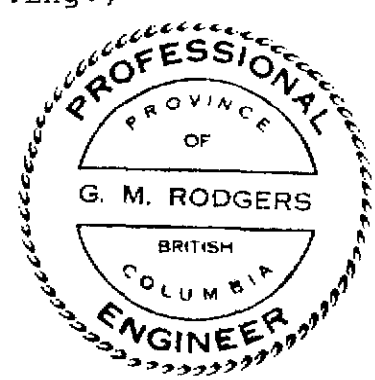
4. I have based this report on work done by myself and observations made while visiting the Steele Group of claims during Sept.7,1994.

5. I hold no interest in the Steele property nor in any property within 10 km .

-dated this 12th day of January , Cranbrook, British Columbia.

-

(Glen M. Rodgers, P.Eng.)



APPENDIX I
ASSAY CERTIFICATES

Eco-Tech LABORATORIES LTD.

ASSAYING
GEOCHEMISTRY
ANALYTICAL CHEMISTRY
ENVIRONMENTAL TESTING

10041 E. Trans Canada Hwy., R.R. #2, Kamloops, B.C. V2C 2J3 Phone (604) 573-5700
Fax (604) 573-4557

CERTIFICATE OF ASSAY ETK 94-1018

GORDON & MARY ANNE LARABEE
P.O. BOX 471
INVERMERE, B.C.
V0A 1K0

22-Dec-94

17 CORE & 2 DRILL CUTTING samples received December 21, 1994

ET #.	Tag #		Ag (g/t)	Ag (oz/t)	As %	Pb %	Zn %
1	439001		158.3	4.617	-	5.36	8.52
4	439004	Drill Cuttings	-	-	-	1.86	3.96
11	439011		218.2	6.363	-	12.32	9.16
12	439012		231.6	6.754	-	9.64	6.06
13	439013		371.8	10.837	-	13.96	18.66
14	439014		29.3	0.854	-	0.84	0.86
15	439015		179.4	5.232	1.36	12.44	31.30
16	439016		148.3	4.325	1.14	10.20	40.45
17	439017		-	-	-	1.48	1.74
18	439018		-	-	-	-	5.40

FEED FAX THIS END

FAX

To: Glen Rodgers
Dept.:
Fax No.: 422-3748
No. of Pages: 3
From: Sandy
Date: Dec '23
Company:
Fax No.:
Comments: 1018 - Assays & ICP

Post-it™ fax pad 7903E

cc: Glen Rod
Fax: 422-37

per

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T.
B.C. Certified Assayer

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: HASTINGS MANAGEMENT CORP. ##

1000 - 675 W. HASTINGS
VANCOUVER, BC
V6B 1N6

Project :
Comments: ATTN: LARRY MCLEAN CC: GLEN RODGERS

Page Number :1
Total Pages :1
Certificate Date: 18-NOV-94
Invoice No. :19430706
P.O. Number :
Account :JCL

CERTIFICATE OF ANALYSIS A9430706

SAMPLE	PREP CODE		Ag oz/T	Pb %	Zn %							
STEELE	208	226	10.80	16.50	1.81							

CERTIFICATION:

22-Dec-94

ECO-TECH LABORATORIES LTD.
10041 East Trans Canada Highway
KAMLOOPS, B.C.
V2C 2J3

Phone 604-573-5700
Fax : 604-573-4557

GORDON & MARY ANNE LARABEE ETK 1918
P.O. BOX 471
INVERMERE, B.C.
V0A 1K0

17 CORE & 2 DRILL CUTTINGS samples received December 21, 1994

Values in ppm unless otherwise reported

Et #.	Tag #	Au ppb	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	HOLE#1 436001 (HOLE#1, 55-57')	<5	>30	0.12	605	70	30	2.31	388	15	47	133	> 15	<10	6.10	>10000	<1	<.01	13	70	>10000	240	<20	22	0.07	<10	14	<10	<1	>10000
2	HOLE#2 436002 (HOLE#2, 48-49')	<5	0.2	0.63	10	20	5	2.09	<1	29	57	4	2.57	<10	1.75	179	2	<.01	18	60	138	15	<20	13	<.01	<10	4	<10	<1	137
3	" " 436003 (HOLE#2, 81-82')	<5	<.2	2.08	20	40	10	0.77	<1	41	46	29	3.08	<10	3.12	86	<1	<.01	17	180	108	25	<20	4	0.02	<10	11	<10	<1	85
4	HOLE#2 436004 Drill Cuttings 2nd	40	21.8	1.16	505	65	5	3.65	160	28	157	116	7.82	<10	2.36	6477	18	0.01	43	230	>10000	45	<20	32	0.01	<10	16	<10	<1	>10000
5	" " 436005 Drill Cuttings 217.5 2.3kg	65	8.6	0.30	730	50	<5	4.75	57	31	30	131	8.33	<10	2.34	3967	34	<.01	53	170	3648	30	<20	97	<.01	<10	11	<10	<1	9103
6	" " 436006 215'-217.5'	65	1.4	0.24	740	25	10	5.92	7	20	65	16	4.54	<10	2.60	4112	2	<.01	30	150	436	30	<20	119	<.01	<10	9	<10	<1	646
7	HOLE#1 436007 53'-55'	5	3.6	0.17	175	20	<5	8.86	10	6	71	4	3.21	<10	6.43	5937	3	<.01	13	330	2018	90	<20	90	<.01	<10	11	<10	3	1680
8	" " 436008 57.5'-59'	<5	4.8	0.21	120	80	<5	8.66	9	9	78	2	3.20	<10	5.41	6885	2	<.01	9	400	1876	40	<20	128	<.01	<10	5	<10	7	1761
9	HOLE#3 436009 3'-5'	<5	<.2	0.71	10	15	<5	0.37	<1	17	82	3	2.01	<10	1.08	161	6	0.01	12	80	80	10	<20	4	<.01	<10	5	<10	<1	62
10	" " 436010 108'-109'	<5	<.2	0.23	5	90	<5	1.42	<1	16	70	15	2.56	<10	2.65	443	3	<.01	17	50	28	20	<20	24	<.01	<10	4	<10	<1	106
11	" " 436011 113'-114'	110	>30	0.11	1586	30	<5	0.17	337	19	58	94	8.06	<10	0.58	6124	<1	<.01	22	200	>10000	195	<20	<1	<.01	<10	3	<10	<1	>10000
12	" " 436012 132'-134'	<5	>30	0.04	810	70	20	0.78	259	10	57	54	> 15	<10	6.15	>10000	<1	<.01	5	<10	>10000	215	<20	15	0.07	<10	15	<10	<1	>10000
13	" " 436013 154'-155'	5	>30	0.03	6425	65	<5	0.17	846	12	34	260	> 15	<10	3.70	>10000	<1	<.01	10	<10	>10000	830	<20	27	0.04	<10	9	<10	<1	>10000
14	HOLE#5 436014 116'-118'	105	29.6	0.21	840	20	5	3.58	32	13	61	13	5.10	<10	2.37	9984	<1	<.01	18	310	6132	78	<20	33	<.01	<10	8	<10	<1	5869
15	" " 436015 118'-119.5'	60	>30	0.10	>10000	40	<5	0.08	>1000	13	32	263	8.29	<10	0.10	1984	<1	<.01	10	<10	>10000	2150	<20	14	<.01	<10	<1	<10	<1	>10000
16	" " 436016 119.5'-120.5'	10	>30	0.06	>10000	25	<5	0.04	>1000	7	28	373	5.84	<10	0.23	2189	<1	<.01	4	<10	>10000	4140	<20	2	<.01	<10	<1	<10	<1	>10000
17	" " 436017 120.5'-122.5'	10	16.0	0.19	2810	30	15	0.63	72	28	55	13	7.23	<10	1.45	>10000	<1	<.01	22	<10	>10000	86	<20	2	0.02	<10	5	<10	<1	>10000
18	" " 436018 128'-129'	5	9.0	0.22	1020	30	<5	4.47	254	12	54	60	6.15	<10	3.25	>10000	<1	<.01	12	<10	8744	80	<20	39	0.02	<10	12	<10	<1	>10000
19	" " 436019 62 - 63	<5	3.0	0.27	205	5	<5	3.82	13	32	83	8	2.36	<10	2.23	547	4	0.03	17	50	1946	45	<20	22	<.01	<10	8	<10	<1	2470

GORDON & MARY ANNE LARABEE ETK 1018

QC DATA

El #.	Tag #	Au ppb	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
Repeats:																														
1	439001	<5	>30	0.12	705	75	30	2.26	393	16	47	131	> 15	<10	5.86	>10000	<1	< 01	10	90	>10000	235	<20	21	0.07	<10	13	<10	<1	>10000

ECO-TECH LABORATORIES LTD.
Frank J. Pezzotti, A.Sc.T
B.C. Certified Assayer

cc Glen Rodgers
Fax 422-3748

XLS/Kmisc8
df/1018

APPENDIX II
DIAMOND DRILL LOGS

S94-1

Diamond Drill Geological Log

KOOTENAY GEO-SERVICES
BOX 63, SKOOKUMCHUCK, B.C. V0B 2E0

COMPANY Larrabee Steele Group

Objective:

Drilling Started: JULY '94 Drilling Completed: SEPT. '94

Logged by: GMR. Date: DEC. '94

Samples Submitted to: ECO-TECH (Lab.)-Date: DEC. 24 '94

Lat.:	Long.:	Place:	App.Bear.:	App.Dip.:	Length:
		UPPER PORTAL	243°	−8	70' (21.3m)

GRAPHIC LOG

Scale:

Lithology	Sampling

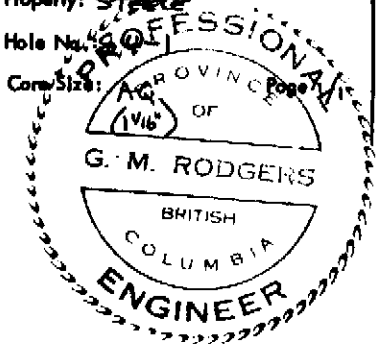
CORE ANGLE
1.8–28
24–46
6.1–35
12.5–52
11.2–39
13.1–52
14.6–44
17.7–50
19.8–55
20.7–46
21.3–55

From	To	Length	Recov.	Remarks: 13 SAMPLES #43900, 7, 8
0	17.8	1.5	80%	GREEN-GREY CHERTY, ARGILLACEOUS DOLOMITE
		2.7	70%	15.5–17.8; FRACTURES CARRY MnO, Py (LIMONITE); TR. TO 1% PbS AS RARE
		4.3	65%	DISSEMINATED CRYSTALS & CLUSTERS ALONG BEDDING PLANES.
		5.5	25%	(16.8–17.5) MASSIVE SULPHIDE (BEDDING PLANE PARALLEL VEIN?),
		7.4	40%	CONTACTS NOT OBSERVED. SULPHIDE ZONE HAS BEEN
		9.1	15%	WASHED & GROUND (SANDY RESIDUE IS ALL THAT REMAINS)
		10.7	85%	–SUSPECT LOWER GRADE DUE TO DILUTION FROM CUTTINGS FROM
		11.6	85%	ABOVE.
		12.5	85%	1.2–1.4 CO_2 FRACTURE
		13.7	85%	15.5 – 90°, FRACT. WITH MnO, LIMONITE, WOLLASTONITE, MINOR
		15.2	85%	BEDDING PLANE SLIPS & SPARSE Py
		16.8	85%	12.8–16.2 – DISTURBED BEDS (FINING → TOP (↓))
17.8	20.6	18.3	90%	17.8–20.6 SILTY ARGILLITE & WHITE BEDDED QUARTZ ↓
		19.8	90%	GRADATIONAL CONTACT:
20.6	21.3	21.3		20.0–21.3 TAN–KHAKI–BROWN, CHERTY, PHYLLITIC ARGILLITE
				18.3; 7cm, Pb/Zn FINES (PROBABLY DUST GROUND CAVE AT
				BLOCK DUE TO ROD CHANGE)
				21.3 = END OF HOLE

Property: Steele

Hole No.: S94-1

Core Size: AQ (1 7/16") Page 1/1



Diamond Drill Geological Log

KOOTENAY GEO-SERVICES
BOX 63, SKOOKUMCHUCK, B.C. V0B 2E0

COMPANY: LARRADEE / STEELE GROUP

S94-2

GRAPHIC LOG

Scale:

Objective:

Drilling Started: JULY '94 Drilling Completed: SEPT. 94

Logged by: GMR. Date: DEC. '94

Samples Submitted to: ECO-TECH (Lab.)-Date: DEC. 24 '94

Lat.:	Long.:	Place:	App.Bear.:	App.Dip.:	Length:
		LOWER PORTAL	245°	-15	237' (72.2)

From	To	Length	Recov.	Remarks: No SULPHIDE RECOVERED, 5 SAMPLES #439002-6
0	1.5	0-18.3	100%	NO CORE
1.5	72.2	18.3-19.5	25%	BLACK-GREY-GREEN/GREY CHERTY ARGILLACEOUS DOLOMITE
		19.5-30	100%	1.5-10.4' SV-BLACK CHERTY DOLOMITE
		30-37.3	5%	10.4-45' GREEN-GREY/-KHAKI ARGILLITE, QUARTZ AS BLEBS & VEINLETS, UP TO
		37.3-38.5	80%	1% Py, VFG/FG DISSEMINATED Py ALONG FRACTURES, LOCALLY SHEARED
		38.5-40.5	100%	WITH PROGRESSIVE SLIP (MICRO FOLDING), CARBONIFEROUS PARTINGS,
		40.5-40.5	75%	SMALL QUARTZ VEINLETS WITH ALBITIC ALTERATION, MINOR
		40.5-41.5	50%	DISRUPTED BEDS
		41.5-42	75%	45'-55.2 WHITE, SERICITIC, CHERTY ARGILLITE/QUARTZ SERICITE SCHIST
		42-47.2	100%	55.2-72.2 GREEN-KHAKI-GREY SILTY ARGILLITE @ CO_3 FRACTURING.
		47.2-49.5	50%	64.0-65.2: EXTREME CORE LOSS (CUTTINGS SAVED)
		49.5-50.3	60%	66.3-67': " " " " "
		50.3-54	100%	-ARGILLIC ALTERATION, HIGH MANGANESE & IRON SULPHIDES ON
		54-64	100%	FRACTURES, SERICITE & KAOLIN
		64-65.2	60%	67.0-68.9 STRONG FRACTURING
		65.2-65.4	0%	68.9-72.2 INTENSE "
		65.4-66.3	50%	
		66.3-67	0%	
		67-67.5	50%	
		67.5-68.3	20%	
		68.3-68.9	50%	
		68.9-70.7	60%	
		70.7-72.2	40%	
				END OF HOLE = 237' (72.2)

CORE ANGLE

1.8	-25°
3.7	-20°
5.2	-15°
9.1	-0°
10'	-55°
HR	-70°
25.2	-30°
29.3	-22°
35.4	-62°
37.2	-35°
50.6	-58°
57.4	-46°
60.3	-52°
63.4	-40°

Property: STEELE

Hole No.: S94-2

Core Size: NQ

0-10' = BQ (1⅝")

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PROVINCE OF BRITISH COLUMBIA
G. M. RODGERS

S94-3

Diamond Drill Geological Log

KOOTENAY GEO-SERVICES
BOX 63, SKOOKUMCHUCK, B.C. V0B 2E0

COMPANY: LARRABEE / STEELE GROUP

GRAPHIC LOG — Scale: — Lithology | Sampling

Objective:

Drilling Started: JULY '94 | Drilling Completed: SEPT. '94

Logged by: G.M.R. | Date: DEC '94 | Samples Submitted to: ECO-TECH | (Lab.)-Date: DEC. 24 '94

Lat.: | Long.: | Place: LOWER PORTAL | App. Bear.: 289° | App. Dip.: 0° | Length: 225' (68 m)

Remarks: 1.2 m TOTAL MASSIVE SULPHIDES, 5 SAMPLES # 439009-13

From	To	Length	Recov.	Remarks
0	7.6	0–63'	100%	GREY CHERTY ARGILLACEOUS DOLOMITE; THIN-MED. BEDD, CARBONACEOUS WISPY LAMINAE, OCC. THIN QTZ-CARB VEINLETS
7.6	26.8	63'–63.7	20%	GREEN-GREY-KHAKI-TAN SILTY ARGILLITE, SHEARED, CONTORTED, CARBONACEOUS WISPY LAMINAE
		63.7–64.6	60%	8.0–9.1 BRECCIA, OCC. INTERCALATED QUARTZ
		64.6–66.1	85%	11.3–12.2 ALBITIC ALTERATION @ MnO & VUGGY QUARTZ.
26.8	32.3	66.1–68	100%	WHITE-GREY-TAN CHERTY ARGILLITE / SILTY ARGILLITE
32.3	34.4			SHEARED CONTACT GREEN-GREY-YELLOW ARGILLACEOUS DOLOMITE BRECCIA; KAOLINIZED; RND-SUB. ANG. CLASTS PARALLEL TO BEDDING.
34.4	34.7			MASSIVE SULPHIDE "VEIN" (10 cm MASSIVE; REST DISSEMINATED IN SHEARED/BRECCIATED ARGILLITE)
34.7	40.4	MOD. FRACTURING		GREY-BUFF-WHITE ARGILLACEOUS QUARTZITE, OCC. MINOR BRECCIA, PATCHY QUARTZ
40.4	41.3	INTENSE FRACTURING		MASSIVE SULPHIDE "VEIN" (0.9 m TOT. – 60% MASSIVE; PbS, CHALCOPYRITE, ZnS, MAGNETITE, SM. RND. CHERTY CLASTS (≤2 mm))
41.3	54.6			GREY-BUFF-KHAKI CHERTY ARGILLACEOUS SILTSTONE LAMINATED / THIN BEDDED
54.6	61.0			TAN-GREY-KHAKI CHERTY ARGILLACEOUS DOLOMITE, HOMOGENEOUS/UNIFORM,
61.0	68.0			TAN-GREY-KHAKI ARGILLACEOUS DOLOMITE, DENDRITIC MANGANESE, SM. QTZ & ALBITIC/SIDERITIC PATCHES 65.5 – VUGGY QUARTZ

END OF HOLE = 225' (68 m)

CORE ANGLE:
- 2.1 – 35°
- 3.7 – 25°
- 10.1 – 40°
- 11.3 – 65°
- 16.0 – 50°
- 29.0 – 45°
- 32.3 – 80°
- 45.1 – 90°
- 50.6 – 65°
- 60.0 – 60°
- 67.? – 20°

Property: STEELE
Hole No.: S94-3
Core Size:

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Diamond Drill Geological Log

KOOTENAY GEO-SERVICES
BOX 63, SKOOKUMCHUCK, B.C. V0B 2R0

COMPANY: LARRABEE STEELE GROUP

S94-4
GRAPHIC LOG

Objective:

Drilling Started: JULY '94 Drilling Completed: SEPT. '94

Logged by: GMR Date: DEC '94

Samples Submitted to: ECO-TECH (Lab.)-Date: DEC. 24 '94

Lat.: Long.: Place: LOWER PORTAL App.Bear.: 284° App.Dip.: -35° Length: 171' (52.1m)

From	To	Length	Recov.	Remarks:
				NO SULPHIDE RECOVERED, NUMEROUS SMALL DIKES. ; NO SAMPLES
0	1.5	0-4.9'	100%	NO CORE
1.5	52.1	4.9-7.9'	90%	DARK GREY, ARGILLACEOUS CHERTY DOLOMITE (WITH SEVERAL QUARTZ-FELDSPAR-PORPHYRY DIKES (2-4cm), SCATTERED QUARTZ STOCKWORK VEINLETS & OCCASIONAL
		7.9-11.8'	100%	
		11.8-14.1'	80%	GREY-BLACK PORPHYRITIC (INDISTINCT) UNITS; QUARTZ AS IRREGULAR VEINLETS
		14.1-17.1'	100%	(.05mm TO 1.0cm)
		17.1-20.7'	66%	24.4 - QUARTZ FELDSPAR DIKE (PORPHYRITIC - 4cm ø); c/a = 75°, MANY PARALLEL QUARTZ VEINLETS
		20.7-23.8'	90%	25.3 - " " " " 3cm " " " " "
		23.8-26.4'	100%	25.8 - " " " " 4cm " " " " "
		26.4-26.8'	30%	25.8 - " " " " 2cm " " " " "
		26.8-29.7'	90%	25.9 - " " " " 2cm " " " " "
		29.7-31.4'	90%	26.1 - " " " " 2cm " " " " "
		31.5-32.1'	75%	GREY, QUARTZ FELDSPAR (PORPHYRITIC) MATERIAL AT 35.4, 36.9, 37.8, 44.1' (2cm ø) c/a 60° @ 17.2; 40° @ 21.5, 25° @ 27.9
				42.4 - 46.6; 70% CORE LOSS; ARGILLIC/KAOLIN ALTERATION (TAN-LT. BROWN)
				END OF HOLE = 52!

Property: STEELE
Hole No.: S94-4
Core Size: A-Q

Lithology | Sampling

CORE ANGLE
9.4 12°
FRACT'D 10°
35.5-25°
35.8-30°
37.8-20°
42.7-20°

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PROVINCE OF BRITISH COLUMBIA
G. M. RODGERS

Diamond Drill Geological Log

KOOTENAY GEO-SERVICES
BOX 63, SKOOKUMCHUCK, B.C. V0B 2E0

COMPANY: LARRABEE / STEELE GROUP

594-5
GRAPHIC LOG

Objective:

Drilling Started: JULY '94 — Drilling Completed: SEPT. '94

Logged by: GMR — Date: DEC '94 — Samples Submitted to: ECO-TECH — (Lab.)-Date: DEC. 24, 94

Lat.: — Long.: — Place: LOWER PORTAL — App. Bear.: 310° — App. Dip.: 0° — Length: 168' (51.2)

From	To	Length	Recov.	Remarks: 0.8m TOT. MASSIVE SULPHIDE 6 SAMPLES #439014-9
0	5.5	0-11.6	100%	NO CORE
5.5	17.4	11.6-12.3	95%	GREY ARGILLACEOUS DOLOMITE ̄c MINOR TAN-BROWN SILTY ARGILLITE
		12.3-21.9	100%	8.8 BEDDING PLANE SLIP ̄c Py AS DISCRETE CRYSTALS / CLOTS
		21.9-23.5	90%	11.9-12.5 SILICIFIED ̄c SERICITIC ALTERATION, LIMONITE ON FRACTURES
		23.5-30.9	100%	OCCASIONAL QUARTZ VEINLETS OF 2.0 cm
		30.9-32.6	95%	11.9-14.6 : VFG Py THROUGHOUT, CO_3 FRECKLING AS PATCHES / LAYERS
		32.6-37.5	90%	13.4-15.8 : SHEARED ARGILLITE ̄c SHREDS / FRAGMENTS, CO_3 FRECKLING,
		37.5-38.2	50%	HEALED BY SILICA.
17.4	51.2	38.2-39.6	80%	LT. BROWN - TAN - BUFF - KHAKI CHERTY ARGILLACEOUS DOLOMITE;
		39.6-40.5	90%	SERICITIC / ARGILLIC ALTERATION, COMMONLY BRECCIATED.
		40.5-41.2	55%	
		41.2-45.4	100%	36.1-36.7 MASSIVE SULPHIDE (Pb ; CHOC. BRN. ZN ̄c Py, AsPy), VFG —
		45.4-48.5	80%	GRADATIONAL CONTACT / 10 cm ̄c DISSEMINATED Pb/Zn PARALLEL
		48.5-49.1	50%	TO BEDDING.
		49.1-51.2	100%	36.7-37.2 DISSEMINATED Pb/Zn IN ARGILLACEOUS DOLOMITE
				39.0 — 6cm OF QUARTZ — PbS BRECCIA ̄c GARNETS
				@35.4 @40.5 CHRYSOCOLLA ? MARCASITE ?
				END OF HOLE = 168' (51.2 m)

Property: STEELE
Hole No.: S94-5
Core Size: BQ
Page 1/1

Scale:	
Lithology	Samp
CORE ANGLE	
8.2 - 10°	
9.0 - 10°	
14.4 - 30°	
15.2 - 50°	
20.? - 55°	
21.9 - 20°	
23.8 - 40°	
28.6 - 35°	
31.1 - 35°	
35.4 - 40°	
43.0 - 30°	
49.7 - 20°	
50.3 - 30°	

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G. M. RODGERS

594-6

Diamond Drill Geological Log

KOOTENAY GEO-SERVICES
BOX 63, SKOOKUMCHUCK, B.C. V0B 2E0

COMPANY: LARRABEE STEELE GROUP

Objective:

Drilling Started: JULY '94 | Drilling Completed: SEPT. '94

Logged by: GMR | Date: DEC '94 | Samples Submitted to: ECO-TECH | (Lab.)-Date: DEC. 24 '94

Lat.: | Long.: | Place: LOWER PORTAL | App.Bear.: 310° | App.Dip.: -35° | Length: 240' (73.2 m)

From	To	Length	Recov.	Remarks: NO SULPHIDES BUT EXTREME CORE LOSS @ 65.8-68.3; NO SAMPLES
0	62.6	0-62.3	98%	GREY - LIGHT GREY ARGILLACEOUS CHERTY DOLOMITE
		62.3-63.1	75%	47.9-48.2 - BRECCIA (DARK GREY SUB ANG. FRAGMENTS @ LT. GREY-
		63.1-63.9	100%	WHITE MATRIX).
		63.9-64.3	70%	
62.6	73.1	64.3-65.8	65%	LIGHT GREY-TAN-GREEN ARGILLACEOUS CHERTY DOLOMITE (ARGILLIC, SERICITIC
		65.8-68.3	2%	KAOLINITIC ALTERATION); TR. Fe PYRITES & SIDERITE.
		68.3-70.1	60%	
		70.1-73.2	20%	
				65.8-68.3 : INTENSE CORE LOSS (POS. SULPHIDE ZONE)

GRAPHIC LOG

Scale:

Lithology	Sampling

CORE ANGLE
3.0 — 0°
7.6 — 15°
8.0 — 40° (OFF)
10.4 — 30°
17.1 — 25°
19.8 — 30°
24.4 — 35° (OTE-40°)
27.4 — 30°
29.0 — 30°
34.1 — 15°
35.4 — 30° (2mm OTE-50°)
36.9 — 30°
42.2 — 40°
43.6 — 20°
49.1 — 30° (1mm OTE -60°)
57.8 — 20°
54.9 — 35° (1mm OTE 60°)
60.7 — 30°
62.2 — 20° (2mm OTE -60°)
64.8 — 35°
73.1 — 35°

Property: STEELE
Hole No.: S94-6
Core Size: AQ

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PROVINCE OF BRITISH COLUMBIA
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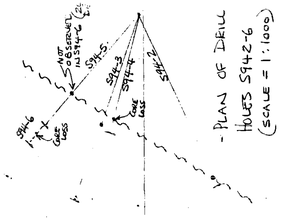
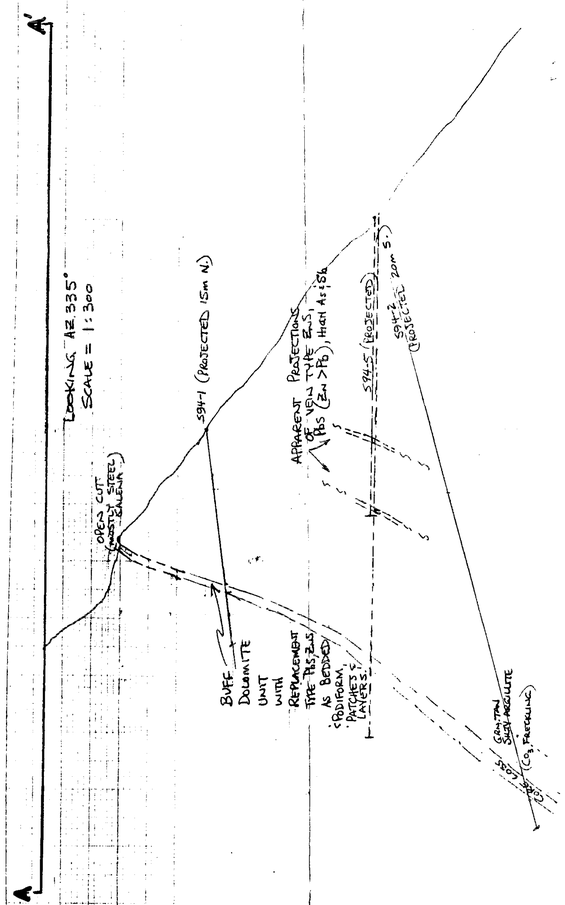


- PLAN OF DRILL HOLES S94-2-6 (SCALE = 1:1000)

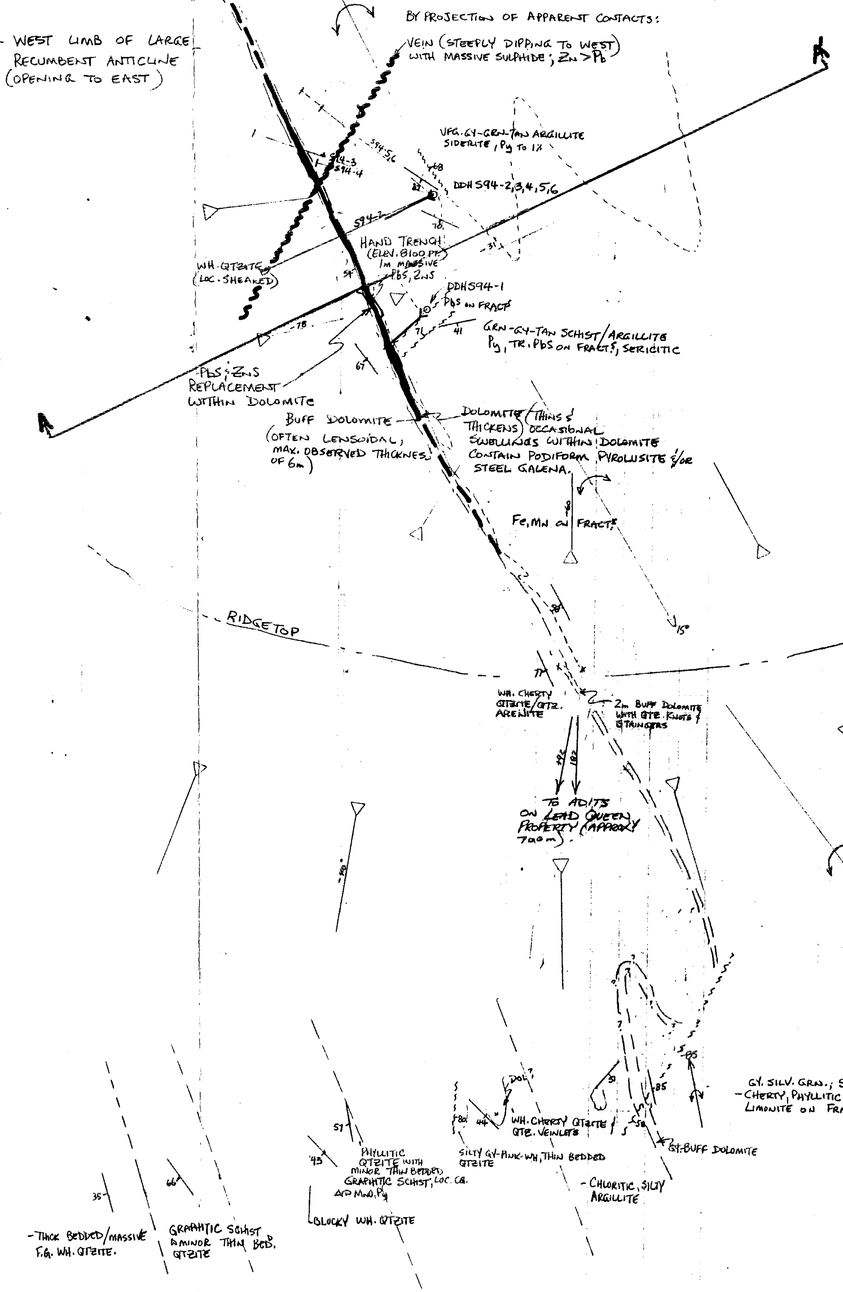
LOOKING AZ 335°
SCALE = 1:300

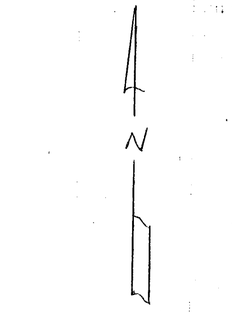


GLACIER

- WEST LIMB OF LARGE RECUMBENT ANTICLINE (OPENING TO EAST)

BY PROJECTION OF APPARENT CONTACTS:





STEELE GROUP CLAIMS

PROPERTY GEOLOGY

(BASED ON ½ DAY OF MAPPING, SEPT. 7, 1994).

SCALE = 1:1000

SECTION SCALE = 1:300

GNR, JAN '95

FIG #3

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — G. M. RODGERS

RECEIVED — JAN 23 1995 — PROSPECTORS PROGRAM MEMPR

LEGEND

- 67 BEDDING
- FAULT
- GEOLOGICAL CONTACT
- ANTICLINE AXIS
- ADIT
- DRILL COLLAR
- SURFACE SLOPE
- TRAIL
- TRENCH