Bon Accord Claims, Figure 6

This is believed to be a restaking of the L.L. & H. Group which was located on the north side of Hartley Gulch. Reference to Minister of Mines reports indicates the following:

a. (1912)

Three parallel veins (shears?) outcrop. On surface, No. 2 vein contained from 4 to 12 feet of vein filling mineralized with arsenopyrite carrying gold and silver values. A tunnel driven to intersect this vein hit water. Vein No. 3 is 12 feet wide in outcrop and carries galena and arsenopyrite.

b. (1921)

Above veins are hosted by argillite intruded by greenstone. These strike at about 70° and dip 60° northeast. In outcrop vein filling is quartz and fragmented wall rock mineralized with arsenopyrite and less galena and chalcopyrite. The upper vein, No. 3 where exposed by tunnelling, is 32 ins. wide; composed of 16 ins. of quartz and 16 ins. comminuted wall rock. The quartz carries pyrite, sphalerite, galena and values in gold and silver. Elevation of tunnel is 3700 feet. Veins 2 and 3 are 300 feet apart vertically.

c. (1928)

Argillites strike at 105 and dip 45 north. Bands of greenstone (dyke swarm?) are more or less conformable. The showings lie along silicified argillite - greenstone contacts. Surface work was done on same zone some 500 feet east of the tunnels. At one point a 12 foot wide zone returned values of $3 to $4 Au (0.145 to 0.194 oz/st. with gold at $20.676/oz.) A new(?) mineralised fault zone showing shearing over 6 feet was discovered. At three points over a distance of 700 feet the zone carries tetrahedrite with good silver values. The zone at surface is in a dangerous locaton (in a cliff?) so drift was started on the zone.

d. (1929)

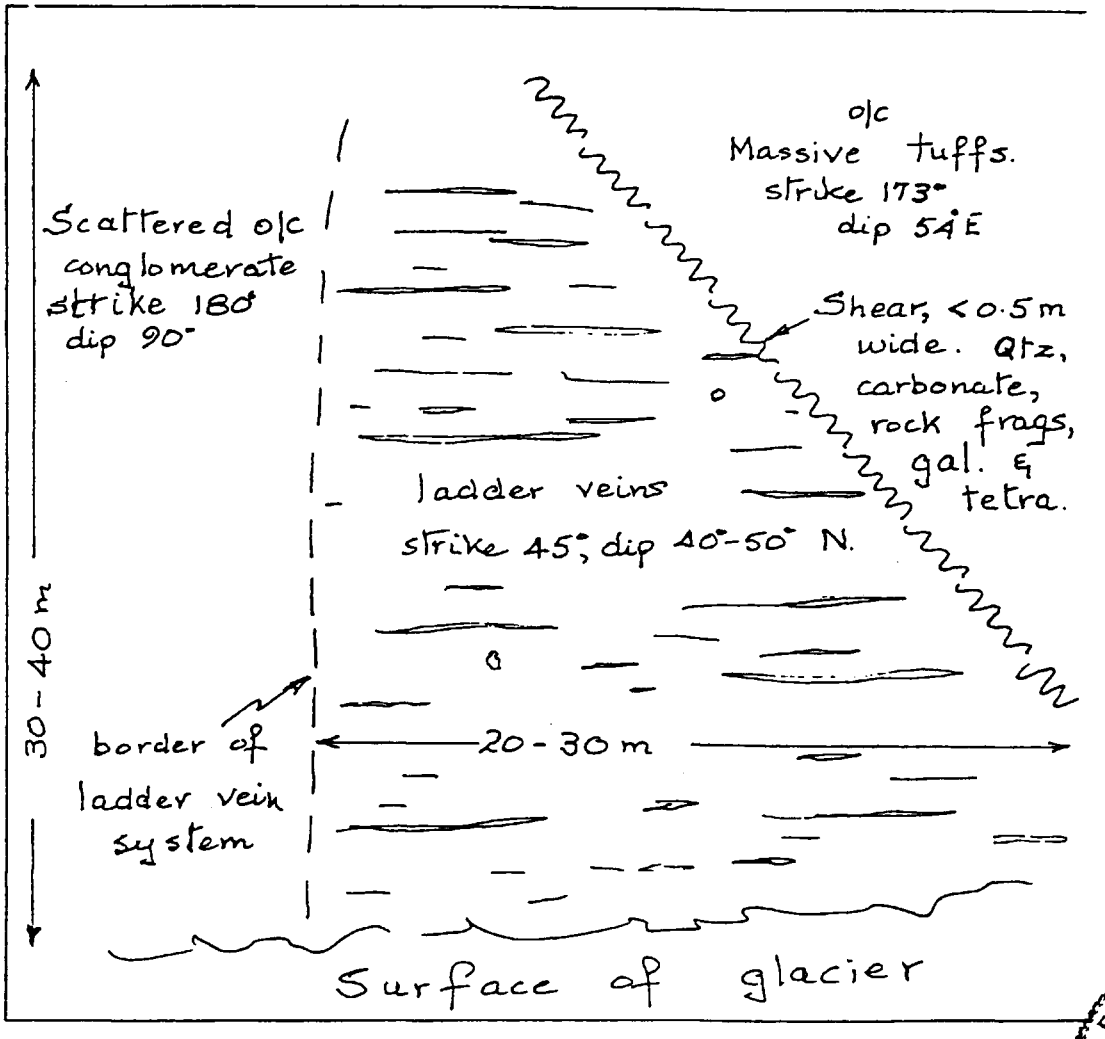
Claims are underlain by argillite intruded by augite porphyry. Later pyritized syenite dykes cut the formations. The new mineralized fault found in 1928 is 2.5 feet wide and carries nodules of high grade galena and tetrahedrite. The tunnel on this fault was extended to about 100 feet. The two tunnels described previously are at elevation 3425 and 3500 feet. These are in a replacement shear zone in volcanics which carries galena, sphalerite, less pyrite and arsenopyrite. A sample in the upper tunnel, vein No. 3, across 3.7 feet in the face assayed: Au 0.12oz/st, Ag 7.5 oz.st, Pb 4.7% and Zn 9.8%. In the lower tunnel a 62-foot width of mineralization is present. A grab sample from a dyke outcrop carrying pyrite and arsenopyrite situated 60 feet east of the upper tunnel assayed: Au 0.44 oz/st and Ag 1.5 oz/st.

e. (1934)

Claims held by Playfair Gold Mines, Ltd. Underground workings were sampled by an independent engineer (Fig. 6).

f. (1941)

Four hundred and fifty feet of crosscut driven.



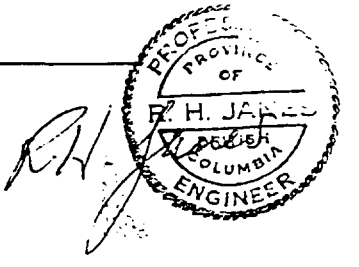


Figure 5. DIAGRAMATIC SKETCH OF GLACIER OR NO. 4 SHOWING. LOOKING NORTH.

No. 3 Showing

A set of "ladder veins" is exposed by a three metre long trench in a steep hillside some 400 feet above a glacier. The veins strike east-west and dip 25° to 30° north. Fifteen to twenty quartz veins are exposed over about 3m, one is 20 cms. wide, most are less than 1 cm. wide. No sulphide minerals were seen. The host is a pebble sized conglomerate of volcanic material, matrix is carbonatized. These "ladder veins" are interpreted as tension fractures and if so probably companion a major shear which may be mineralized.

Glacier or No. 4 Showing, Figure 5

This was examined but briefly due to time constraints and bad weather. Though not extensive the showing is impressive. Outcrop on a steep hillside over some 30 to 40 m along slope and about 20 m across slope exhibits a well developed "ladder vein system" abutting against a strong shear zone. (photos).

The shear contains milky quartz, wall rock fragments, carbonate and masses of argentiferous galena and less tetrahedrite. The "ladder veins" are tension fractures filled with milky quartz and less carbonate, sulphides are rare. Many are 2 to 3 cms. wide. Vein frequency may average around seven per metre. Irregular masses of quartz and carbonate also occur. Carbonate alteration of the host has produced a gossan and destroyed the conglomerate structure.

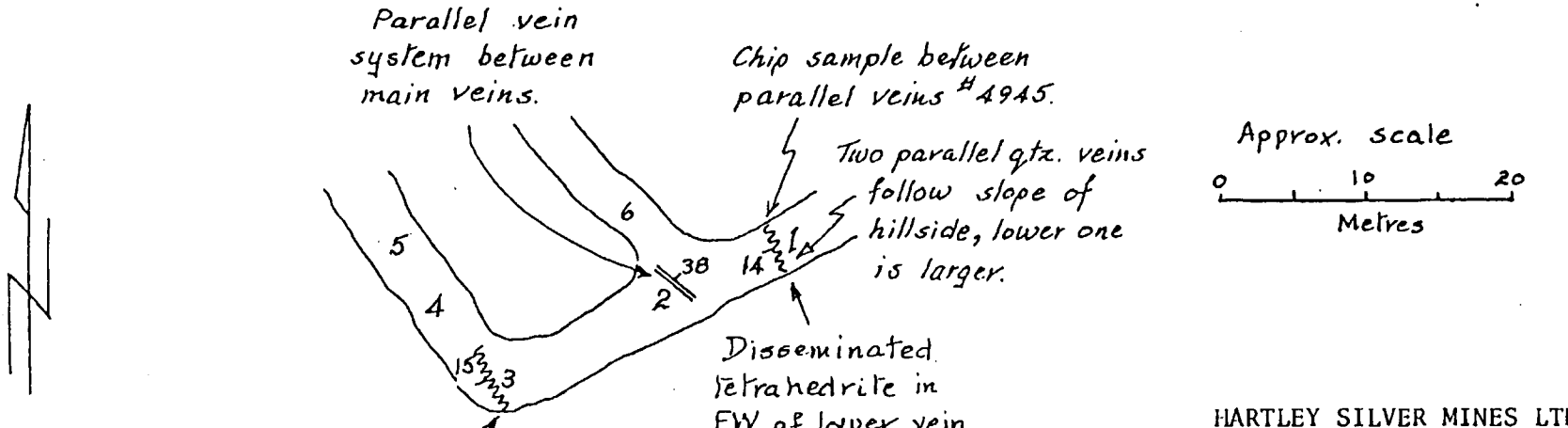
Old Chum Group

Location is uncertain. Minister of Mines, B.C. Ann. Rept., 1911 indicates that the group was located on the south side of Hartley Gulch and northwest of present Lot 6289. This location may be on claim Kim 14. This report also describes workings between 3300 and 3500 feet that exposed:

a. A shear zone containing a four foot quartz vein carryng arsenopyrite, galena and chalcopyrite. Sample across the vein assayed Au $1.00 (about 0.05 oz/st) and Ag 6.6 oz/st.

b. A higher shear zone 8 to 10 feet wide with similar mineralization but possibly containing more chalcopyrite and less galena. Values in gold and silver were obtained.

Loc	Approx. elev. (ft)	Mineralised shears in zone: strike	dip	width (cms)	zone width (m).	Grab samples. by	tag no.	Pb %	Zn %	Ag oz/st	Cu ppm	Au ppb	Pb ppm	Zn ppm
1	5600	160 *	14W	5-8	1.5+?	JN	5898E	1.21	3.6	0.89	50	5	–	–
		160	14W	2-4										
	Above two parallel veins exposed by trench'g. Chip sample between veins: width 1.7 m					RJ	4945	–	–	0.09	91	–	32	118
2	5594	127	~38N	0-1	2?	–	–	–	–	–	–	–	–	–
3	5585	160	~15W	5-8	1.5?	JN	5899E	0.42	4.09	0.43	43	5	–	–
4	–	–	–	–	–	JN	5895E	0.11	0.76	0.15	24	5		
5	–	–	–	–	–	JN	5896E	13.55	19.9	7.3	76	90	–	–
6	–	–	–	–	–	JN	5897E	0.8	2.3	1.18	143	20	–	–



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
R. H. JANES

HARTLEY SILVER MINES LTD.
OTTER MTN. PROPERTY
Skeena M.D., B.C.
Figure 4
TRENCH or NO. 2 SHOWING
GEOLOGY & SAMPLING
R.H. Janes Sept. 84

Sketch map based on sketch by T.T. Neelands.

TABLE I

MAIN SHOWING - MINERALISED SHEAR & SAMPLE DETAIL

Loc.	Approx. Elev.* (ft.)	Mineralised Shears in Zone: Strike	Dip	Width (cms)	Zone Width (m)	By	GRAB SAMPLES: Tag No.	ASSAYS: Pb %	Zn %	Ag oz/st	Au oz/st	GEOCHEMICAL ANALYSES: Au ppb	Pb ppm	Zn ppm	Cu ppm	Sb ppm	As ppm
1.	4741	90	V	10±		RJ	4929	0.82	9.44	46.63	0.010	-	-	-	3,200	2,215	>2000
		140	36 SW	10±	~7.5	JN	H2	2.01	8.05	54.00	-	60	-	-	3,000	-	-
		180	V	1													
		- Plus Others -															
		Host volcanic adjacent main vein				RJ	4896	-	-	-	-	nd	-	-	117	nd	-
2.	4823	90	V	6±		JN	H3	0.06	0.14	0.82	-	5	-	-	83	-	-
		90	80 S	2.5													
		65	70 W	6±													
		13	~ 40 W	1	~7.5												
		80	80 S?	Covered													
		140	36 W	10±													
		90	~ 32 N	1													
3.	4833	90	35 W	0-6	Part of						-						
		140	36 SW	0-6	Zone												
4.	4898	90	55 N	0-6	Part of												
		90	52 S	0-6	Zone												
5.	4819	180	30 E	0-5	Part of	RJ	4931	0.59	5.50	52.21	0.014	-	-	-	5,400	3,255	400
		100	V	0-8	Zone	JN	H1	1.17	1.96	9.10	-	10	-	-	570	-	-
6.	?	80	50 N	?		JN	5899E	23.4	15.40	83.00	-	270	-	-	3,600	-	-
		Vein covered by snow September 1984															
7.	4961	136	52 SW	0-25	Part of	RJ	4930	4.10	33.50	183.97	0.023	-	-	-	17,300	13,350	1600
		70	26 N	~1	Zone												
		Source of high grade shipment															
8.	5052	110	43 S	7-8	Part of Zone	RJ	4932	0.02	0.19	113.28	0.016	-	-	-	12,500	6,810	600
9.	-	93	V	?	North Edge of Zone							- Not Visited -					
10.	Chip samples in 5m. lengths taken from north to south. Mineralised shears omitted.					RJ	4933	-	-	0.06	-	-	140	252	65	-	-
							4934	-	-	0.12	-	-	135	500	70	-	-
							4935	-	-	0.05	-	-	30	88	74	-	-
							4936	-	-	0.04	-	-	34	133	66	-	-
							4937	-	-	0.01	-	-	33	80	55	-	-
							4938	-	-	0.02	-	-	27	65	82	-	-
							4939	-	-	0.05	-	-	49	136	73	-	-
							4940	-	-	0.01	-	-	22	48	75	-	-
							4941	-	-	0.18	-	-	580	1090	74	-	-
							4942	-	-	0.30	-	-	238	357	79	-	-
							4943	-	-	0.01	-	-	25	63	195	-	-
							4944	-	-	0.13	-	-	44	375	57	-	-

nd Not detected.
* Related to orbitary datum of 5200 feet at cabin.

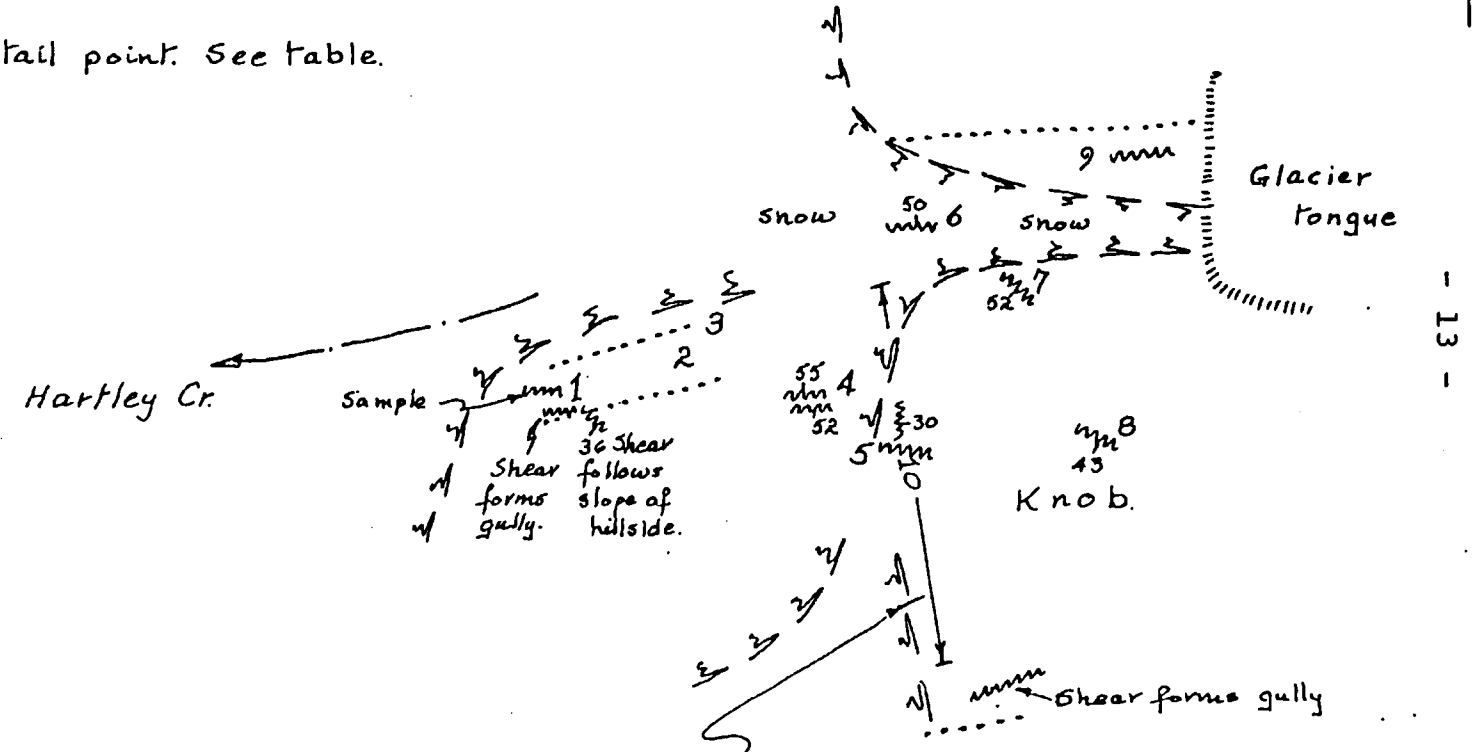
Legend.

- Mineralised shear showing strike & dip. Quartz & carbonate generally present with occassional pods of sphalerite, galena & tetrahedrite.
- Zone containing system of mineralised shears. Carbonatisation of host rock has produced slight reddish brown coloration.
- Sample or detail point. See table.
- Cliff.

Approx. scale:

0 50 100

Metres



Overall width of zone containing mineralised shears estimated at 90-95 m. Sampled over width of 60 m., main veins omitted from samples.

R.H. Janes

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA R. H. JANES

HARTLEY SILVER MINES LTD.

OTTER MTN. PROPERTY

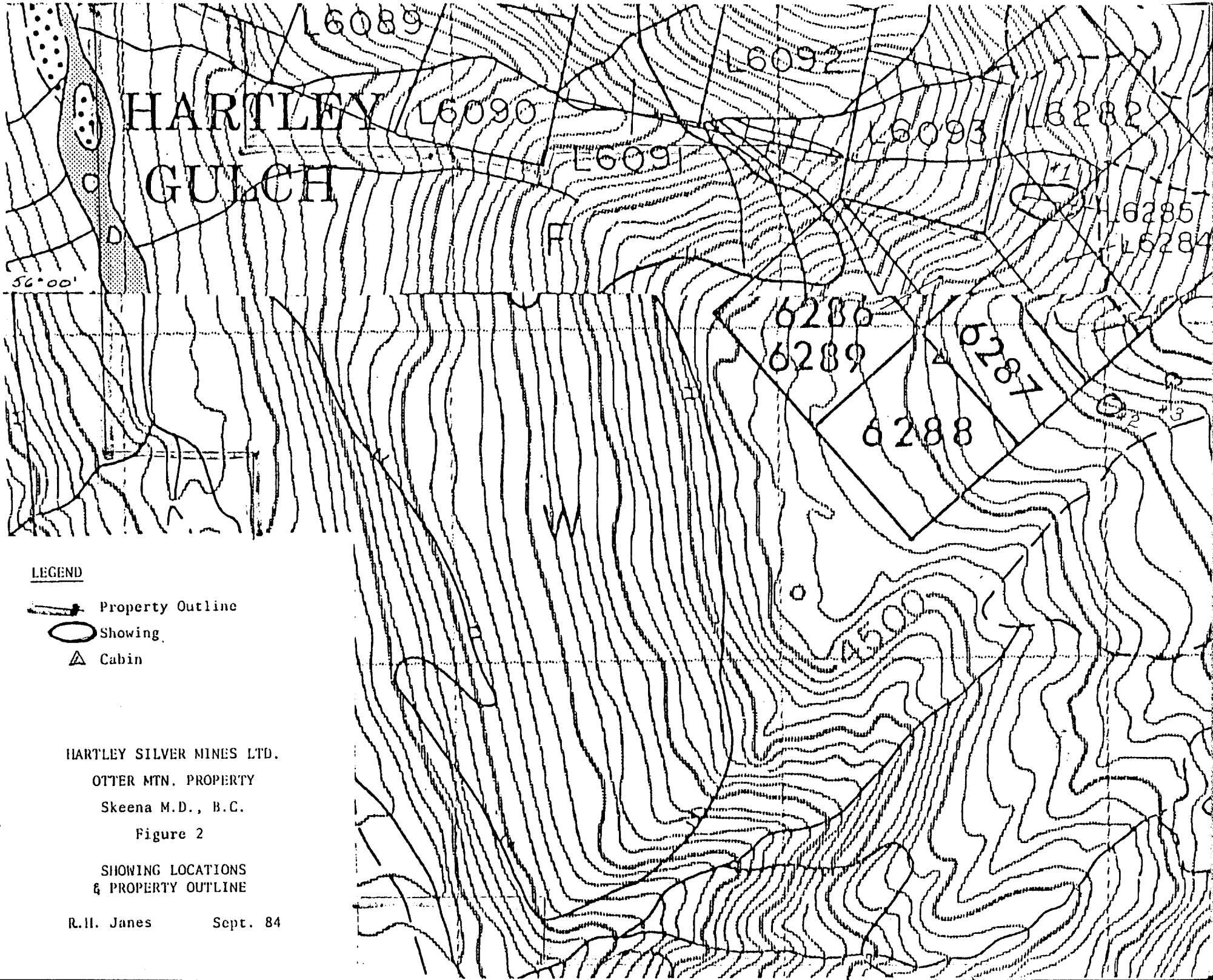
Skeena M.D., B.C.

Figure 3

MAIN or NO. 1 SHOWING GEOLOGY & SAMPLING

Sketch map based on sketch by T.T. Neelands.

R.H. Janes Sept. 84



LEGEND

Property Outline

Showing

Cabin

HARTLEY SILVER MINES LTD.

OTTER MTN. PROPERTY

Skeena M.D., B.C.

Figure 2

SHOWING LOCATIONS
& PROPERTY OUTLINE

R.H. Janes Sept. 84

MIN-EN LABORATORIES LTD.
700 WEST 15TH STREET, NORTH VANCOUVER, B.C. V7M 1T2
PHONE: (604) 980-5814 OR (604) 988-4524

Certificate of Assay

TO: DuPont of Canada Expl.,
102-1550 Alberni St.,
Vancouver, B.C.

300
PROJECT No. Otterpeak
DATE: Aug. 27/82.
File No. 2-561

SAMPLE No.	Pb %	Zn %	Ag oz/ton	Locations in report by Janes
5494 E	.42	4.09	.43	Trench Showing, loc #3
95	.11	.75	.15	" " loc #4
96	13.55	19.90	7.30	" " loc #5
97	.80	2.30	1.18	" " loc #6
98	1.21	3.60	.89	" " loc #1
5899 E	23.40	15.40	83.00	Main Showing, loc #6
H 1	1.17	1.96	9.10	Main Showing, loc #5
2	2.01	8.05	54.00	" " loc #1
3	.06	.14	.82	" " loc #2
4	19.55	21.90	204.00	" " possibly loc. #8
5	.20	.62	1.95	Glacier Showing,
6	17.95	.77	27.50	" " In shear
7	.99	.56	1.82	" "
8	.67	27.75	1.24	No. 3 Showing.
H 9	.07	.38	.26	Not visited.

MINE-EN Laboratories Ltd.

CERTIFIED BY:

COMPANY

GEOCHEMICAL ANALYSIS DATA SHEET

MIN-EN Laboratories Ltd.
705 WEST 15th ST., NORTH VANCOUVER, B.C. V7M 1T2
PHONE (604) 980-5814

PROJECT No.: 300 Otterpeak

ATTENTION: J.T. Neelands

DATE: Aug. 27 1982.

Sample Number	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Co ppm	Ag ppm	Fe ppm	Hg ppb	As ppm	Mn ppm	Au ppb
5894E		43										5
95		24										5
96		76										90
97		143										20
98		50										5
5899E		3600										270
II 1		570										10
2		3000										60
3		83										5
4		14300										475
5		190										5
6		930										200
7		225										5
8		205										5
II 9		34										5

*Some of these samples should have been requested for assay.

CERTIFIED BY

cc: JTN
AUG 30 1982

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project 300 Otterpeak Date of report Aug.27/82.

File No. 2-561 Date samples received Aug.23/82.

Samples submitted by: J.T. Neelands

Company: DuPont of Canada

Report on: 15 rock (assay prep) Geochem samples

15 Assay samples

Copies sent to:

1. DuPont of Canada, Vancouver, B.C.
2.
3.

Samples: Sieved to mesh Ground to mesh -100

Prepared samples stored ☒ discarded ☐

rejects stored ☒ discarded ☐

Methods of analysis: Assays Acid digestion-chemical analysis.
Geochem Cu-nitric,perchloric digestion.A.A., Au-Aqua regia.A.A.

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

VANGEOCHEM LAB LIMITED
1521 Pemberton Avenue
North Vancouver B.C. V7P 2S3
(604) 986-5211 Telex: 04-352578

PREPARED FOR: R. JANES & ASSOCIATES LTD.

NOTES: nd = none detected
: -- = not analysed
: is = insufficient sample

REPORT NUMBER: 84-01-094 JOB NUMBER: 84498

SAMPLE #	Cu ppm	Sb ppm	As ppm	Ag ppm	Au ppb
84929	3200	2215	>2000	—	--
84930	17300	13350	1600	—	--
84931	5400	3255	400	—	--
84932	12500	6810	600	--	--
84896	117	nd	—	19.2	nd
DETECTION LIMIT	1	1	2	0.1	5

VANGEOCHEM LAB LIMITED
1521 Pemberton Avenue
North Vancouver B.C. V7P 2S3
(604) 986-5211 Telex: 04-352578

PREPARED FOR: R. JAMES & ASSOCIATES LTD.

NOTES: nd = none detected
: -- = not analysed
: is = insufficient sample

REPORT NUMBER: 84-01-063(A) JOB NUMBER: 84461

SAMPLE #	Ag oz/st
04933	.06
04934	.12
04935	.05
04936	.04
04937	.01
04938	.02
04939	.05
04940	.01
04941	.18
04942	.30
04943	.01
04944	.13
04945	.09

DETECTION LIMIT .01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 Pemberton Ave.
North Vancouver B.C. V7P 2S3
(604)986-5211 Telex: 04-352578

BRANCH OFFICE
1630 Pandora St.
Vancouver B.C. V5L 1L6
(604)251-5655

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: R. JANES & ASSOCIATES LTD.
ADDRESS: #907 - 675 W. HASTINGS ST.
: VANCOUVER B.C.
: V6B 1N2

DATE: SEPT 28 1984
REPORT#: 84-01-094
JOB#: 84498

PROJECT#: --
SAMPLES ARRIVED: Sept 20 1984
REPORT COMPLETED: SEPT 28 1984
ANALYSED FOR: Cu Sb As Ag Au
SAMPLES FROM: R.H. JANES
COPY SENT TO: R. JANES & ASSOCIATES LTD.

INVOICE#: 8336
TOTAL SAMPLES: 5
SAMPLE TYPE: 5 ROCK
REJECTS: SAVED

PREPARED FOR: R.H. JANES

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VANGEOCHEM LAB LIMITED
1521 Pemberton Avenue
North Vancouver B.C. V7P 2S3
(604) 986-5211 Telex: 04-352578

PREPARED FOR: R. JAMES & ASSOCIATES LTD.

NOTES: nd = none detected
: — = not analysed
: is = insufficient sample

REPORT NUMBER: 84-01-003 JOB NUMBER: 84461

SAMPLE #	Cu ppm	Pb ppm	Zn ppm
84933	65	140	252
84934	70	135	500
84935	74	30	88
84936	66	34	133
84937	55	33	80
84938	82	27	65
84939	73	49	136
84940	75	22	48
84941	74	580	1090
84942	79	238	357
84943	195	25	63
84944	57	44	375
84945	91	32	118
DETECTION LIMIT	1	2	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 Pemberton Ave.
North Vancouver B.C. V7P 2S3
(604)986-5211 Telex: 04-352578

BRANCH OFFICE
1638 Pandora St.
Vancouver B.C. V5L 1L6
(604)251-5656

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: R. JANES & ASSOCIATES LTD.
ADDRESS: #907 - 675 W. HASTINGS ST.
: VANCOUVER B.C.
: V6B 1N2

DATE: SEPT 13 1984
REPORT#: 84-01-083
JOB#: 84461

PROJECT#: --
SAMPLES ARRIVED: SEPT 10 1984
REPORT COMPLETED: SEPT 13 1984
ANALYSED FOR: Cu Pb Zn
SAMPLES FROM: DICK JANES
COPY SENT TO: R. JANES & ASSOCIATES LTD.

INVOICE#: 8275
TOTAL SAMPLES: 13
SAMPLE TYPE: 13 ROCKS
REJECTS: SAVED

PREPARED FOR: R. JANES & ASSOCIATES LTD.

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: None

VANGEDCHEM LAB LIMITED
1521 Pemberton Avenue
North Vancouver B.C. V7P 2S3
(604) 986-5211 Telex: 04-352578

PREPARED FOR: R. JANES & ASSOCIATES LTD.

NOTES: nd = none detected
: -- = not analysed
: is = insufficient sample

REPORT NUMBER: 84-01-094(A) JOB NUMBER: 84498

SAMPLE #	Ag oz/st	Au oz/st	Pb %	Zn %
04929	46.63	.010	.82	9.44
04930	183.97	.023	4.10	33.50
04931	52.21	.014	.59	5.50
04932	113.28	.016	.02	.19
04896	--	--	--	--
DETECTION LIMIT	.01	.005	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 Pemberton Ave.
North Vancouver B.C. V7P 2S3
(604)986-5211 Telex: 04-352578

BRANCH OFFICE
1630 Pandora St.
Vancouver B.C. V5L 1L6
(604)251-5656

ASSAY ANALYTICAL REPORT

CLIENT: R. JANES & ASSOCIATES LTD.
ADDRESS: #907 - 675 W. HASTINGS ST.
: VANCOUVER B.C.
: V6B 1N2

DATE: SEPT 28 1
REPORT#: 84-01-094
JOB#: 84498

PROJECT#: --
SAMPLES ARRIVED: SEPT 20 1984
REPORT COMPLETED: SEPT 28 1984
ANALYSED FOR: Ag Au Pb Zn
SAMPLES FROM: R. H. JANES
COPY SENT TO: R. JANES & ASSOCIATES LTD.

INVOICE#: 8336
TOTAL SAMPLES: 5
REJECTS/PULPS: 90 DAYS/1
SAMPLE TYPE: 5 ROCK

PREPARED FOR: R. H. JANES

ANALYSED BY: David Chi

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: None

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 Pemberton Ave.
North Vancouver B.C. V7P 2S3
(604)986-5211 Telex: 04-352578

BRANCH OFFICE
1630 Pandora St.
Vancouver B.C. V5L 1L6
(604)251-5656

ASSAY ANALYTICAL REPORT

CLIENT: R. JANES & ASSOCIATES LTD.
ADDRESS: #907 - 675 W. HASTINGS ST.
: VANCOUVER B.C.
: V6B 1N2

DATE: SEPT 13 1984
REPORT#: 84-01-083(A)
JOB#: 84461

PROJECT#: --
SAMPLES ARRIVED: Sept 10 1984
REPORT COMPLETED: SEPT 13 1984

INVOICE#: 8275
TOTAL SAMPLES: 13
REJECTS/PULPS: SAVED 90 DAYS/1

ANALYSED FOR: Ag
SAMPLES FROM: DICK JANES
COPY SENT TO: R. JANES & ASSOCIATES LTD.

SAMPLE TYPE: 13 ROCKS

PREPARED FOR: R. JANES & ASSOCIATES LTD.

ANALYSED BY: David Chiu

SIGNED: _____

Registered Provincial Assayer

GENERAL REMARK: None

APPENDIX II

ASSAY CERTIFICATES

&

LEAD SETTLEMENT STATEMENT FOR BULK SAMPLE (1966)

THE CONSOLIDATED MINING AND SMELTING COMPANY OF CANADA LIMITED

LEAD SETTLEMENT

— FINAL

OUR SERIAL NO. 2520-C

Trail, B.C., February 11, 1966

In Account With S. Fegan & J.J. Hepson,
1129 Barclay St.,
Vancouver, B. C.

Lot No. 1 Car No. C.P.M.S. Received Dec. 13/65

For Ore

Freight Value $ Freight Rate $

100.87 ⊗

SCALE WEIGHT

Gross	Tare	Net
lb.	lb.	lb.

WEIGHT OF SHIPMENT

Gross	No. Sacks	Wt. of Sacks	Net Wet Wt. Min..5	%H2O	Net Dry Wt.	Dry Tons
4,870	48	60	4,810	24	4,786	2.393
lb.		lb.	lb.	lb.	lb.	

ASSAYS

Gold	Silver	Wet Lead	Zinc	Sulphur	Silica	Iron	Lime	Cd ~~xxxx~~ Arsenic	Antimony
.012	114.65	12.8	21.7	13.3	28.6	4.3	4.3	.44 .1	.5
oz. per dry ton	oz. per dry ton	%	%	%	%	%	%	%	%

AVERAGE QUOTATIONS

Month of January 1966 Exchange

GOLD	$				Less $1.25	Net $	oz.
SILVER	New York price	$ 1.293		@ 7.46406	.02	Net $ 1.36951	oz.
LEAD	New York price	13.672	c. lb.		Less .6	Net 13.072	c. lb.
ZINC "P.W."	St. Louis price	14.193	c. lb.		Less 5.5	Net 8.693	c. lb.

CONTENTS AND VALUE

CONTENTS			CONTENTS PAID FOR		NET QUOTATION		VALUE
ozs. GOLD		%		ozs. @ $		oz.	$
.36 ozs. SILVER	95	%	260.64	ozs. @ $	1.36951	oz.	356.95
613 lbs. LEAD	48	%	565	lbs. @	13.072	c. lb.	73.86
,039 lbs. ZINC	479 @ 35	%	168	lbs. @	8.693	c. lb.	14.60

TOTAL GROSS VALUE $ 445.41

Less treatment @ $ Minimum Charge (Details below) ~~50.00~~

$ 395.41

Less: Trucking $

Switching

Freight ~~83.04~~

$ 312.37

Less % Royalty on $ to $

$

TREATMENT RATE

Base Charge		$ 15.00
Iron Zinc Penalty		
Arsenic Antimony	.1 @ 1.25	.13
Moisture		
Extra handling	Sacks	2.00
Lead ~~credit~~/debit	17.2 @ .10	1.72
Silica Lime credit	32.9 @ .14	4.61 CR
TOTAL TREATMENT PER DRY TON		~~$14.24 not applicable~~

ADVANCED- 230.00

BALANCE- $ ~~82.37~~

HHG:md

NCO. 210-5210
MOORE BUSINESS FORMS LTD.