

REPORT ON  
REVERSE CIRCULATION ROTARY DRILLING  
ON  
JOHN MINERAL CLAIM (RECORD NO. 712)  
IN THE SIMILKAMEEN MINING DIVISION

MAP 92 H / 6 W

LONGITUDE 121° 01' W / LATITUDE 49° 27' N

OWNER:  
HULDRA SILVER INC.

OPERATOR:  
HULDRA SILVER INC.

CONSULTANT:  
LIVGARD CONSULTANTS LTD.

E. Livgard, P.  
Vancouver,  
September 18,

10373

LOG NO: 10-24	RD.
ACTION:	
FILE NO:	

REPORT ON

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 VANCOUVER, B.C.

REVERSE CIRCULATION ROTARY DRILLING

ON

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**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

E. Livgard, P.Eng.  
 Vancouver, B.C.  
 September 18, 1990

**20,373**



LIVGARD CONSULTANTS LTD.  
 230 - 470 Granville St., Vancouver, B.C. V6C 1V5 Ph. 669-2426

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## INTRODUCTION

This report describes the reverse circulation rotary drilling carried out on the properties owned by Huldra Silver Inc. at Treasure Mountain during the period October 15 to November 15, 1989. The drilling was filed as assessment work on July 4, 1990 (Document #214). The drill contractor was Northspan Explorations Ltd. of Kelowna. The operator was Huldra Silver Inc. The writer was examining the drill chips during all the drilling.

## SUMMARY

This report describes the reverse circulation rotary drilling carried out by Northspan Explorations Ltd. on Huldra Silver Inc. claims. The property consists of one Crown Grant, seven reverted Crown Grants, 16 two-post and seven modified grid claims with 73 units. The property totals 97 contiguous units which are located on or near Treasure Mountain in the Similkameen Mining Division. The property covers a large part of the "Summit Camp" which has seen intermittent work since its discovery in 1892. Two concentration mills have in the past been located on the property. Only minor production is recorded. Huldra Silver Inc. has, since 1980, carried out about 2,700 m of underground work and done almost 4,000 metres of drilling. The work has indicated reserves of 146,000 tonnes grading 878 grams silver per ton and 9.8% lead-zinc.

The mineralization is found in the Treasure Mountain fault and parallel zones, which strike east to east-northeast. The faults out Pasayten Group argillite and arkosic sandstone of Cretaceous age. The mineralization consists of pyrite, galena, sphalerite, tetrahedrite, chalcopyrite, bournonite and minor pyrargyrite in an ankerite-quartz gangue.

Further mineralization is located east of the mine and the 1989 Rotary Drill Program was designed to better define tonnages and grades in this area.



The drilling was done with a track mounted reverse circulation rotary drill. Ten holes were drilled totalling 575 m (1,888 feet). The chips were split and sampled. Most of the splits were analyzed for silver. The chips were logged (see Appendix).

## PROPERTY

The property consists of the following contiguous units:

<b>Crown Grant</b>	<b>Eureka</b>	<b>Lot 1210</b>
<b>Reverted Crown Grants</b>	Why Not Fr.	Record No. 377
	Why Not No. 3	Record No. 378
	Eureka Fr.	Record No. 379
	Tamarack	Record No. 380
	Tamarack No. 2	Record No. 381
	Lakeview	Record No. 382
	Why Not Fr. No. 2	Record No. 383
<b>Two Post Claims</b>	Bill #1 - 6	Record No. 404-409
	Summit Fr.	Record No. 553
	Heidi No. 1, 2	Record No 1289-90
	Tussen	Record No. 2232
	Tussa	Record No. 2233
	Troll Fr.	Record No. 2640
	Tamarack F.	Record No. 2529
	Tuss	Record No. 2724
	Thunder Fr.	Record No. 2801
Vale Fr.	Record No. 3025	
<b>Modified Grid Claims</b>	Hill (6 units)	Record No. 569
	Vale (8 units)	Record No. 570
	John (8 units)	Record No. 712
	Huldra (15 units)	Record No. 2633
	Huldra (8 units)	Record No. 2122
	Thunder (8 units)	Record No. 2632
	Bear (20 units)	Record No. 3024

This is a total of 97 units.

The claims are wholly-owned by Huldra Silver Inc.



## LOCATION AND ACCESS

The claims are in the Similkameen Mining Division on Map Sheet 92H/6E. They are located 27 km due east of Hope, at the headwaters of Vuich Creek, a tributary to the Tulameen River. Access is via 38 km of Tulameen Forest Services Road from the Coquihalla Highway or by 24 km of dirt road west from the Village of Tulameen.

## TOPOGRAPHY AND CLIMATE

Treasure Mountain occupies the central area of the claims. It reaches a height of 1,735 m. The hillsides drop steeply into Amberty Creek to the south and Sutter Creek to the north, down to an elevation of about 1,200 m a.s.l.

The property lies between the Coast and Interior climate. The snowfall is usually heavy in February and March.

## HISTORY

The Treasure Mountain mineralization was found in 1892. Extensive underground work was carried out in the 1930's, and a small (25 ton) mill was built and operated for a short period.

Smelter shipments are recorded as 4,000 tons containing 39,558 ounces silver, 379,532 pounds of lead and 88,455 pounds of zinc.

Another mill was built in 1954. It had a very short operating life.

Huldra Silver Inc. has explored the property from 1979 until the present. Underground work totalling about 2,700 m in cross-cuts, drifts and raises has established reserve tonnages of 146,000 tonnes grading 878 grams Ag per tonne and 9.8% lead-zinc over a width of 1.2 m. Exploration has also outlined anomalous soil values and located mineralization in trenches at several other exploration targets.



## GEOLOGY AND MINERALIZATION

The mineralization is located in and near the Treasure Mountain fault and also in sub-parallel structures. The favourable rocks are argillites and arkoses or arkosic sandstone of the Cretaceous Pasayton Group. The veins strike east-northeast and dip steeply south. The mineralization consists of pyrite, galena, sphalerite, boulangerite, tetrahedrite, chalcopyrite, magnetite and minor pyrargyrite in a gangue of ankerite and quartz. Extensive carbonate alteration and manganese staining surrounds the mineralized areas.

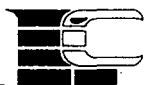
## REVERSE CIRCULATION ROTARY DRILLING

The drilling was done on the John mineral claim (Record No. 712). Twelve holes totalling 575 m were drilled. Specific information on each hole is found in the Appendix.

Holes numbered 1 to 7 inclusive were drilled to, in part, outline and establish grade related to a surface showing on the "East Zone". The drilling was successful in establishing a grade. The grade in near-surface intersections corresponded very closely to that obtained on surface and this gave some confidence regarding the average grade.

Hole No. 8 was drilled to attempt to determine if a postulated fault existed. The result indicates a (small) fault at 41 m.

Holes No. 9 and No. 10 were drilled to intersect the East Vein Zone, about 300 metres further east. Hole No. 9 did not intersect any vein. Hole No. 10 intersected a vein zone and altered zone from 55.5 m to 63.5 m. The chips were anomalous in lead, zinc and arsenic from 56.4 to 59.5 m (185 to 195 feet). This corresponds to the hangingwall vein while the footwall vein at 63 to 63.4 m did not give any values. (The definitive existence of two parallel veins was established by trenching in August 1990.)

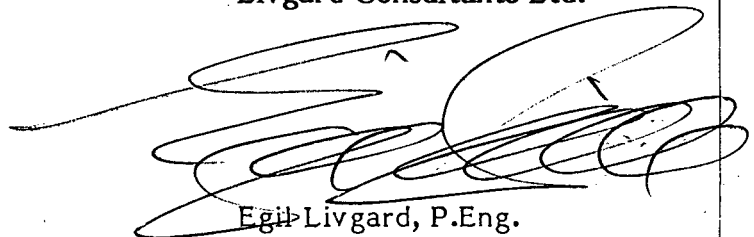


The drilling was carried out by Northspan Explorations Ltd. of Kelowna. Northspan has a drill rig which is mounted on excavator tracks and is therefore very mobile. Other alterations to the rig also facilitate the ease of drilling. The drilling company provided two drillers. Huldra Silver Inc. provided two samplers and a geologist. The two samplers looked after the splitting of the bulk sample into one portion to be sent for analysis and another to be kept. As the geology became well established, not all sections of all holes were kept. Drill chips are kept at the mine.

The geologist (the writer) took a cut from every 10 foot section; in a strainer, washed it and deposited it in a glass vial for future reference. These specimens are kept at the company's office in Vancouver.

The geologist stood by the chip discharge during all drilling and made note on the cuttings, using a strainer frequently (several times a minute) to wash the chips and examine them more closely. A good geological picture can thus be obtained, and by watching the drill rods as well as the chips, the width of even narrow veins (or other changes) can be determined.

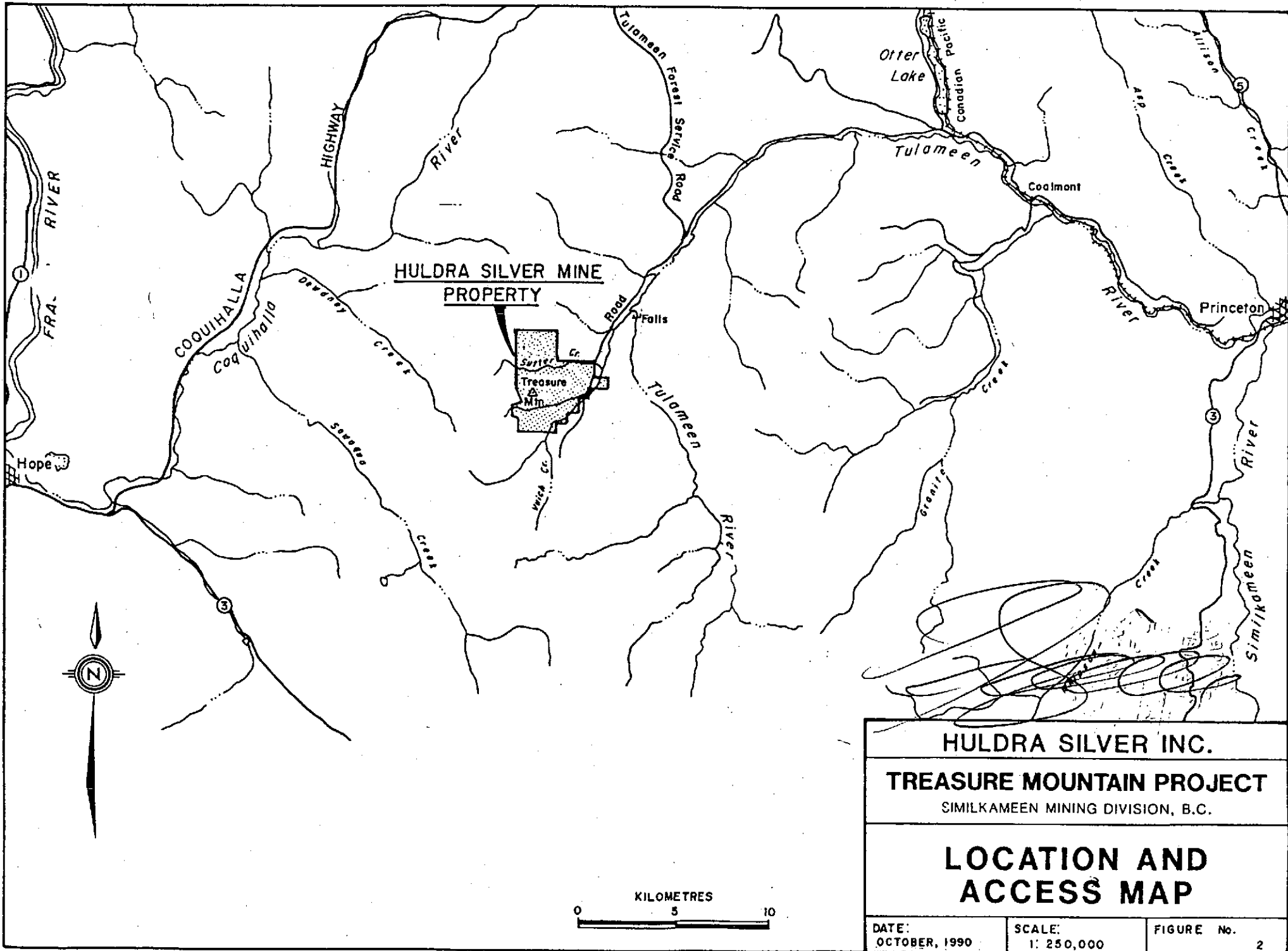
Respectfully submitted,  
**Livgard Consultants Ltd.**



Egil Livgard, P.Eng.







**HULDRA SILVER MINE  
PROPERTY**

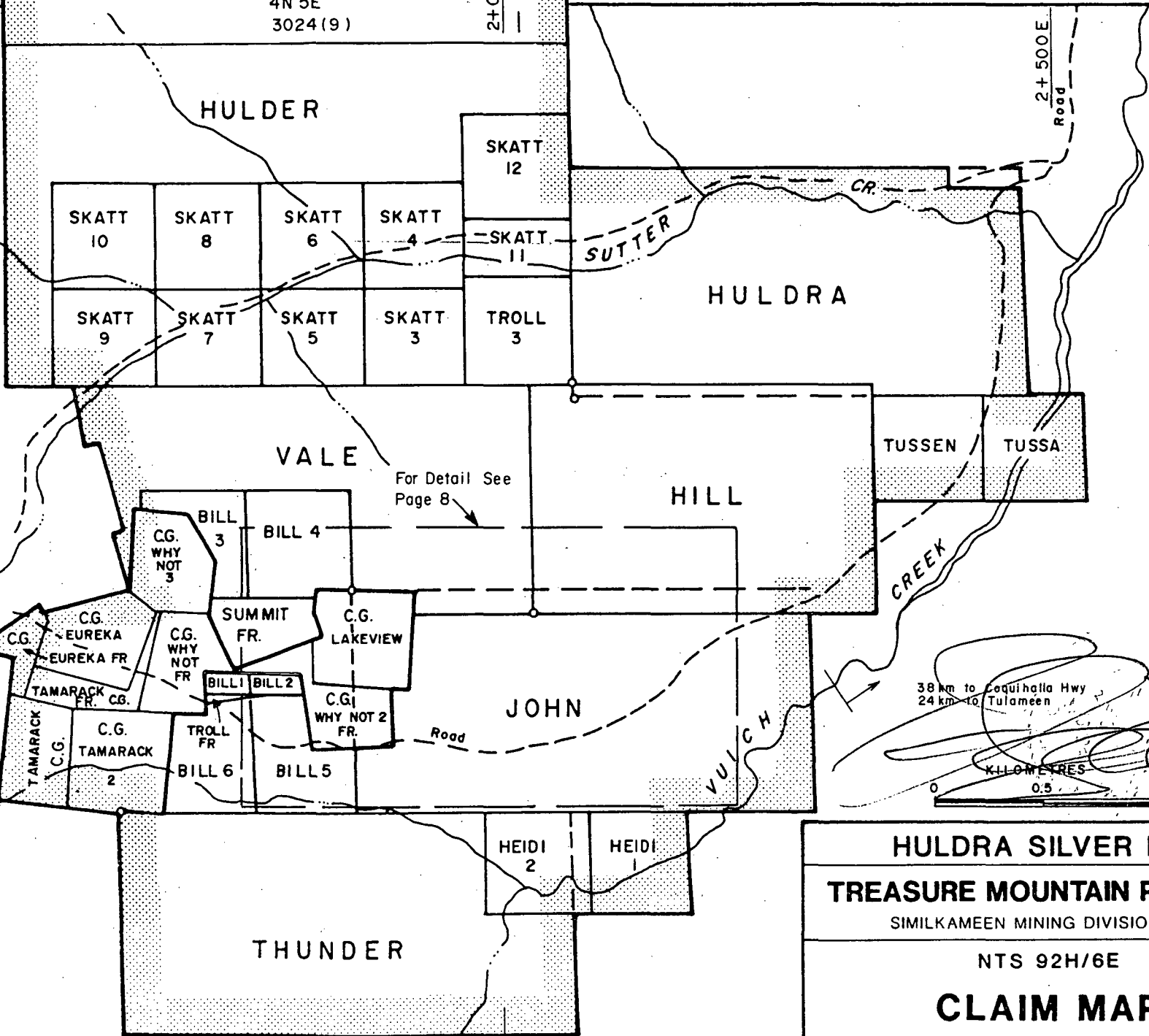
**HULDRA SILVER INC.**  
**TREASURE MOUNTAIN PROJECT**  
 SIMILKAMEEN MINING DIVISION, B.C.

**LOCATION AND  
ACCESS MAP**

DATE: OCTOBER, 1990	SCALE: 1: 250,000	FIGURE No. 2
------------------------	----------------------	-----------------

BEAR  
4N 5E  
3024(9)

2+000

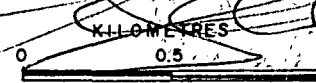


49° 25'

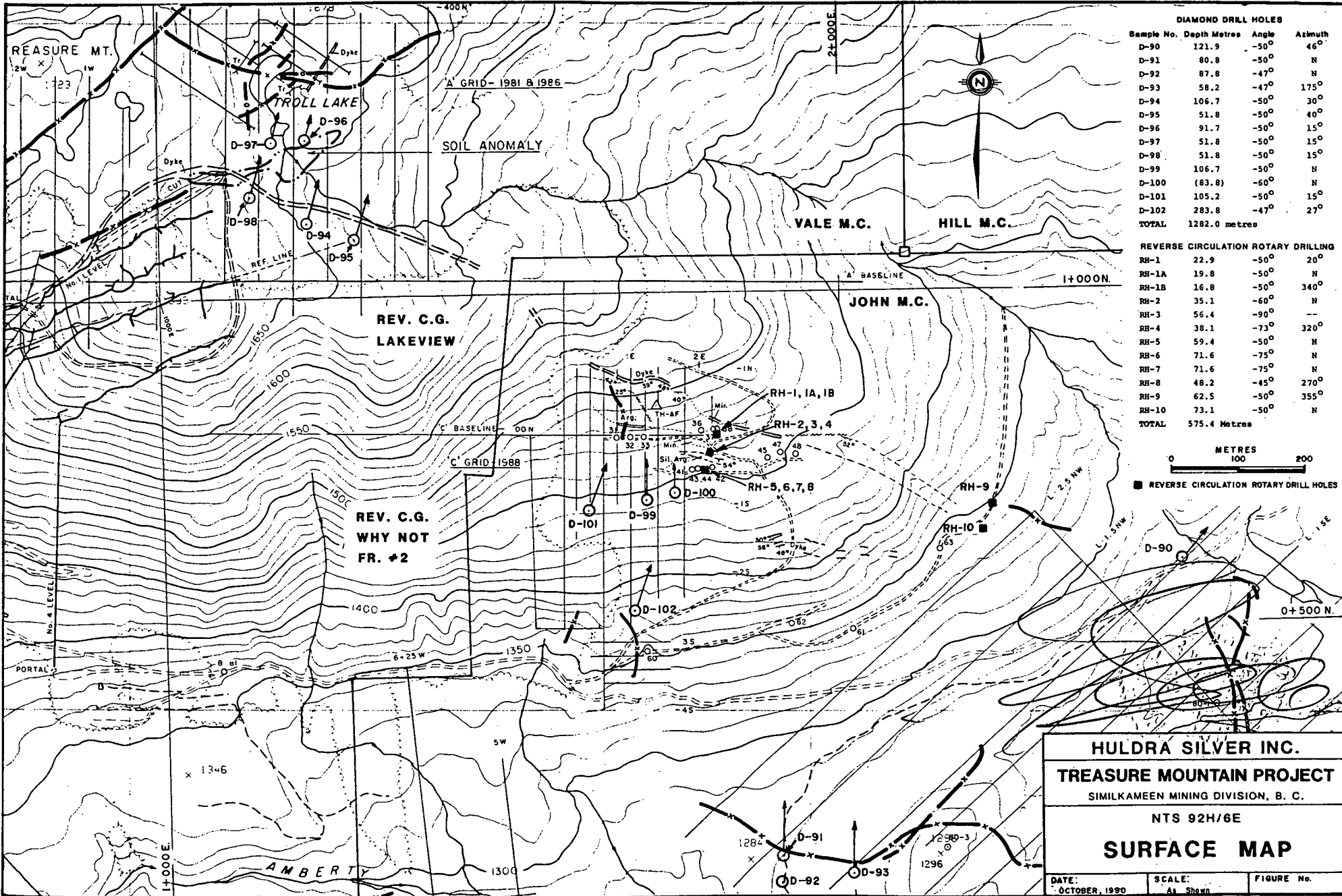
1+000 N.

0+000 N.

38 km to Squihalla Hwy  
24 km to Tulameen



<b>HULDRA SILVER INC.</b>		
<b>TREASURE MOUNTAIN PROJECT</b>		
SIMILKAMEEN MINING DIVISION, B.C.		
NTS 92H/6E		
<b>CLAIM MAP</b>		
DATE: OCTOBER, 1990	SCALE: 1: 25,000	FIGURE No. 3



**DIAMOND DRILL HOLES**

Sample No.	Depth Metres	Angle	Azimuth
D-90	121.9	-50°	46°
D-91	80.8	-50°	N
D-92	87.8	-47°	N
D-93	58.2	-47°	175°
D-94	106.7	-50°	30°
D-95	51.8	-50°	40°
D-96	91.7	-50°	15°
D-97	51.8	-50°	15°
D-98	51.8	-50°	15°
D-99	106.7	-50°	N
D-100	(83.8)	-60°	N
D-101	105.2	-50°	15°
D-102	283.8	-47°	27°
<b>TOTAL</b>	<b>1282.0</b>		<b>metres</b>

**REVERSE CIRCULATION ROTARY DRILLING**

Sample No.	Depth Metres	Angle	Azimuth
RH-1	22.9	-50°	20°
RH-1A	19.8	-50°	N
RH-1B	16.8	-50°	340°
RH-2	35.1	-60°	N
RH-3	56.4	-90°	—
RH-4	38.1	-73°	320°
RH-5	59.4	-50°	N
RH-6	71.6	-75°	N
RH-7	71.6	-75°	N
RH-8	48.2	-45°	270°
RH-9	62.5	-50°	355°
RH-10	73.1	-50°	N
<b>TOTAL</b>	<b>575.4</b>		<b>Metres</b>



**HULDRA SILVER INC.**  
**TREASURE MOUNTAIN PROJECT**  
 SIMILKAMEEN MINING DIVISION, B. C.  
 NTS 92H/6E  
**SURFACE MAP**

DATE: OCTOBER, 1990      SCALE: As Shown      FIGURE No.

APPENDIX

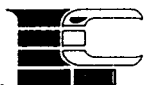


**PERSONNEL**

- 2 Drillers - Northspan Explorations Ltd.
  
- 2 Samplers: Huldra Silver Inc.  
Kaare Petersen, rate \$150/day  
Magnus Bratlien, rate \$150/day
  
- 1 Geologist: Livgard Consultants Ltd.  
Egil Livgard, rate \$250/day

**COST STATEMENT**

Drilling		
1,888 feet (575 m) at \$11/ft		\$ 20,768
(2 men)		
Wages		
\$150 x 10 x 2 men (Samplers)		3,000
\$250 x 10 (Geologist)		2,500
Meals and Accommodation		
5 men at \$40/day x 10 days		<u>2,000</u>
TOTAL		<u>\$ 28,268</u>



### REVERSE CIRCULATION ROTARY HOLES

Hole No.	Azimuth	Inclin.	Depth in metres	Elevation in metres	Location
RH #1	20°	-50°	23	1472	1804E, 799N
RH #1A	0°	-50°	20	1472	1803E, 799N
RH #1B	340°	-50°	17	1472	1802E, 799N
RH #2	0°	-60°	35	1470	1798E, 783N
RH #3	-	90°	56	1470	1798E, 783N
RH #4	320°	-73°	38	1470	1796E, 783N
RH #5	0°	-50°	59	1455	1783E, 741N
RH #6	0°	-75°	72	1455	1783E, 740N
RH #7	0°	-75°	72	1455	1794E, 739N
RH #8	270°	-45°	48	1455	1792E, 736N
RH #9	355°	-50°	63	1355	2232E, 742N
RH #10	0°	-50°	<u>73</u>	1348	2210E, 670N

576m



COMP: HULDRA SILVER INC.

PROJ:

ATTN: M.BRATLIEN

MIN-EN LABS — ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

(604)980-5814 OR (604)988-4524

FILE NO: 9V-1523-RJ1

DATE: NOV-21-89

\* TYPE ROCK GEOCHEM \* (ACT:F31)

SAMPLE NUMBER	AG PPM	AL PPM	AS PPM	B PPM	BA PPM	BE PPM	BI PPM	CA PPM	CD PPM	CO PPM	CU PPM	FE PPM	K PPM	LI PPM	MG PPM	MN PPM	MO PPM	NA PPM	NI PPM	P PPM	PB PPM	SB PPM	SR PPM	TH PPM	U PPM	V PPM	ZN PPM	GA PPM	SN PPM	W PPM	CR PPM
31187	.3	11430	1	1	141	.9	2	11950	.9	13	32	29470	1540	13	7790	763	4	250	17	790	18	1	40	1	1	35.8	74	1	2	1	36
31188	.2	14150	1	1	117	.9	2	11490	1.2	15	46	29280	1750	13	9400	666	5	490	22	950	15	1	30	1	1	50.1	75	1	1	1	41
31189	.4	14830	1	1	124	1.0	2	12280	.7	14	32	29320	2010	13	8670	735	3	350	21	800	15	1	28	1	1	48.1	74	1	1	1	50
31190	.4	7710	2	1	73	.8	1	19430	.1	8	23	17700	1890	8	5240	698	4	310	8	420	19	1	29	1	1	20.6	61	1	1	1	28
31191	.4	14830	171	1	56	.9	2	20160	2.8	15	58	30960	1470	21	8950	605	5	560	20	600	32	1	61	1	1	37.8	96	1	2	1	41
31192	.7	23040	97	1	43	1.2	4	24970	4.1	20	68	38720	1170	35	18950	757	7	470	24	510	36	1	65	1	1	49.8	88	2	2	1	52
31206	.4	13200	16	1	79	1.0	3	23690	.1	9	16	22250	2260	17	7610	557	2	280	8	380	12	1	33	1	1	26.7	53	1	1	1	64
31207	.3	8440	1	1	68	.8	2	17980	1.8	7	14	18830	2070	9	6060	1593	4	240	9	330	21	1	21	1	1	22.4	55	1	1	1	62
31208	.5	10190	15	1	62	.6	3	18780	.1	8	12	19240-1780	13	6530	552	3	270	7	310	13	1	27	1	1	1	26.5	46	1	2	1	58
31209	.4	5600	15	1	50	1.0	3	27980	2.8	12	14	25080	1890	8	9810	2589	8	240	16	730	38	1	27	1	1	20.1	102	1	2	1	44
31210	.9	3950	23	1	67	.7	2	21890	1.5	10	14	24270	2000	8	8400	1623	5	220	10	440	30	1	16	1	1	21.8	69	1	2	1	47
31211	.8	5200	34	1	65	.9	3	22690	.5	11	18	25620	2010	9	8950	899	6	300	10	460	19	1	32	1	1	22.7	62	1	1	1	45
31212	.7	9960	15	1	58	.7	3	23150	.3	10	20	23490	1750	14	8550	700	6	240	8	430	23	1	23	1	1	29.0	53	2	1	1	55
31213	.7	10420	25	1	71	.8	3	20360	1.7	9	18	21170	1940	12	8090	556	4	240	8	330	12	1	20	1	1	26.4	52	1	1	1	62
31214	.1	4740	1	1	60	.7	4	19810	2.4	8	10	19770	2410	5	5670	5978	7	160	18	330	87	1	12	1	1	12.4	186	1	2	1	56
31215	.9	4080	20	1	64	.8	4	27180	1.3	9	11	22120	2840	8	8790	2702	5	180	8	450	28	1	3	1	1	13.3	49	1	2	1	55
31216	.8	4350	44	1	47	1.1	3	28640	4.5	14	36	33490	1870	5	11290	3590	8	340	19	680	95	6	44	1	1	24.8	177	1	1	1	41
31217	.9	5540	64	1	49	1.2	1	30960	1.5	16	46	37200	1650	7	13110	856	4	410	16	750	30	4	56	1	1	29.6	83	2	2	1	27
31218	.8	7850	72	1	43	1.1	4	32150	2.1	14	34	32360	1350	10	13950	789	9	390	13	630	38	3	78	1	1	26.8	70	2	1	1	59
31219	.8	10840	64	1	46	1.1	3	23720	1.7	11	21	26450	1350	20	10240	787	6	240	12	420	20	1	43	1	1	26.2	77	2	1	1	61
31220	.7	5860	35	1	62	.8	4	22330	1.0	8	12	20470	1800	10	8090	882	6	210	8	320	15	1	23	1	1	17.1	57	1	1	1	63
31221	.8	6550	26	1	45	.7	2	18560	1.0	9	25	23180	1410	11	8480	962	4	270	10	380	24	1	19	1	1	30.0	55	1	2	1	60
31222	.8	9620	17	1	63	.8	3	24220	1.6	10	16	24850	1880	16	8520	1034	5	300	9	390	25	1	33	1	1	30.5	65	2	2	1	79
31223	.1	4650	217	3	60	1.2	9	28950	11.0	12	17	33520	2530	8	10790	19477	10	180	44	390	259	22	25	1	1	18.4	495	1	5	1	56
31224	.9	5950	38	1	41	.9	3	29050	3.2	10	17	26280	1500	14	9830	3509	9	190	15	420	56	5	25	1	1	31.0	120	1	2	1	56
31225	.8	9650	41	1	66	1.1	2	26400	2.0	12	19	28960	1760	16	10180	1483	5	320	13	430	31	2	42	1	1	38.8	68	1	2	1	75
31226	1.0	8810	31	1	61	.7	3	25310	1.1	10	16	24450	1510	13	8780	997	7	230	10	370	26	1	45	1	1	32.3	56	2	1	1	61
31227	.8	9820	12	1	63	1.1	3	23590	1.4	10	19	25880	1720	16	9640	1151	4	230	10	490	26	1	47	1	1	32.5	58	2	1	1	38
31228	.7	9420	33	1	48	1.0	2	25080	1.5	12	22	29470	1280	20	10030	1227	5	290	10	480	31	1	62	1	1	47.2	73	2	2	1	43

PAGE 12

SPECIALISTS IN MINERAL ENVIRONMENTS  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

Assay Certificate

9V-1477-RA1

Company: HULDRA SILVER  
Project:  
Attn: M. BRATLIEN

Date: NOV-11-89  
Copy 1. HULDRA SILVER, VANCOUVER, B.C.

We hereby certify the following Assay of 30 ROCK samples submitted NOV-07-89 by M. BRATLIEN.

Sample Number	AG G/TONNE	AG OZ/TON	PB %	ZN %	
31001	0.4	.01			# RH1 15-20
31002	0.3	.01			20-25
31003	0.2	.01			25-30
31004	3.5	.10			30-35
31005	20.0	.58			35-40
31006	12.0	.35			40-45
31007	92.0	2.68	.93	.19	45-50 ✓
31008	4.2	.12			50-55
31009	0.4	.01			55-60
31010	0.3	.01			60-65
31011	0.2	.01			65-70
31012	0.2	.01			70-75 END
31013	0.3	.01	RH # 1A		15-20
31014	1.0	.03			20-25
31015	2.4	.07			25-30
31016	980.0	28.58	14.25	1.13	30-35
31017	960.0	28.00	5.25	3.76	38.29 9.75% 2.45% 35-40
31018	16.1	.47	9.75		40-45
31019	28.2	.82			45-50
31020	7.7	.22			50-55
31021	1.6	.05			55-60
31022	0.2	.01			60-65 END
31023	0.5	.01	RH # 1E		15-20
31024	0.2	.01			20-25
31025	0.2	.01			25-30
31026	3.7	.11			30-35
31027	405.0	11.81	4.14	3.72	35-40
31028	21.0	.61			40-45
31029	12.0	.35			45-50
31030	1.0	.03			50-55 END

Certified by

*K. Gillany*



SPECIALISTS IN MINERAL ENVIRONMENTS  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

Assay Certificate

9V-1477-RA2

Company: HULDRA SILVER  
Project:  
Attn: M. BRATLIEN

Date: NOV-11-89  
Copy 1. HULDRA SILVER, VANCOUVER, B.C.

We hereby certify the following Assay of 30 ROCK samples submitted NOV-07-89 by M. BRATLIEN.

Sample Number	AG G/TONNE	AG OZ/TON	PB %	ZN %	
31031	1.2	.04			25-30 <i>ALL</i>
31032	4.5	.13			30-35
31033	0.3	.01			35-40
31034	0.2	.01			40-45
31035	0.2	.01			45-50
31036	2.5	.07			50-55
31037	0.2	.01			55-60
31038	1.0	.03			60-65
31039	0.3	.01			65-70
31040	0.2	.01			70-75
31041	43.5	1.27	.07	1.50	75-80
31042	2.3	.07			80-85
31043	6.2	.18			85-90
31044	1.7	.05			90-95
31045	0.2	.01			95-100
31046	0.2	.01			100-105
31047	0.2	.01			105-110
31048	0.4	.01			110-115 <i>END</i>
31051	0.3	.01			15-25 <i># RH # 3</i>
31052	0.2	.01			25-35
31053	0.2	.01			35-45
31054	1.0	.03			45-55
31055	1.7	.05			55-65
31056	2.2	.06			65-75
31057	1.8	.05			75-85
31058	284.0	8.28	2.78	.11	85-90 <i>ag pb</i>
31059	2800.0	81.67	36.50	.02	90-95
31060	1290.0	37.63	16.10	.01	95-100
31061	355.0	10.35	5.45	.02	100-105
31062	19.7	.57	10.83		105-110

16' - 43.1 oz  
7.5' 10.4'  
0.07

80' - 10.15 oz  
2.27  
Certified by *[Signature]*

SPECIALISTS IN MINERAL ENVIRONMENTS  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

Assay Certificate

9V-1477-RA3

Company: HULDRA SILVER  
Project:  
Attn: M. BRATLIEN

Date: NOV-11-89  
Copy 1. HULDRA SILVER, VANCOUVER, B.C.

We hereby certify the following Assay of 30 ROCK samples submitted NOV-07-89 by M. BRATLIEN.

Sample Number	AG G/TONNE	AG OZ/TON	PB %	ZN %	
31063	164.0	4.78	2.53	.01	110-115
31064	6.3	.18			115-120
31065	2.7	.08			120-125
31066	98.0	2.86	.91	.30	125-130
31067	67.6	1.97	.92	2.9	130-135
31068	410.0	11.96 ✓	5.40	.78	135-140
31069	84.4	2.46	1.47	.02	140-145
31070	69.2	2.02 ✓	1.16	.28	145-150
31071	88.2	2.57	1.51	.01	150-155
31072	80.4	2.35	1.45	.01	155-160
31073	56.0	1.63	.92	.02	160-165
31074	176.5	5.15	3.19	.01	165-170
31075	211.0	6.15	3.21 <i>cont?</i>	.02	170-175
31076	3.0	.09	122.66		175-180
31077	48.5	1.41	.77	.02	180-185
31078	1.2	.04			15-25
31079	1.0	.03			25-35
31080	0.5	.01			35-45
31081	0.3	.01			45-55
31082	1.8	.05			55-65
31083	42.1	1.23	.72	.12	65-70
31084	3.6	.11			70-75
31085	0.7	.02			75-80
31086	174.0	5.08	2.40	.26	80-85
31087	4.3	.13			85-90
31088	0.4	.01			90-95
31089	0.5	.01			95-100
31090	0.6	.02			100-105
31091	0.2	.01			105-110
31092	1.0	.03			110-115
					115-120

86  
10.6  
4.85  
0.26

4.28

END

RA # 4

93

Certified by

*[Signature]*

SPECIALISTS IN MINERAL ENVIRONMENTS  
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

Assay Certificate

9V-1477-RA4

Company: HULDRA SILVER  
Project:  
Attn: M. BRATLIEN

Date: NOV-11-89  
Copy 1. HULDRA SILVER, VANCOUVER, B.C.

We hereby certify the following Assay of 28 ROCK samples  
submitted NOV-07-89 by M. BRATLIEN.

Sample Number	AG G/TONNE	AG OZ/TON	PB %	ZN %
31093	0.2	.01	#4	115-120
31094	0.5	.01		120-125 END
31100	1880.0	54.83	22.10	.03 #3 90-95 WAX CUTTING
31104	2.5	.07	#5	45-55
31105	2.3	.07		65-65
31110	2.7	.08		105-115
31111	1.0	.03		115-125
31112	0.5	.01		125-135
31113	1.8	.05		135-145
31114	0.7	.02		145-150
31115	0.2	.01		150-155
31116	0.5	.01		155-160
31117	2.6	.08		160-165
31118	4.1	.12		165-170
31119	7.9	.23		170-175
31120	0.5	.01		175-180
31121	0.2	.01		180-185
31122	4.2	.12		185-190
31123	2.7	.08		190-195 END
31128	0.2	.01	#6	55-65
31129	0.3	.01		65-70
31137	46.5	1.36	1.01	.01 135-145
31138	1.4	.04		145-155
31142	1.0	.03		185-195
31159	0.4	.01	#7	95-105
31160	0.2	.01		105-115
31163	0.4	.01		135-145
31170	12.0	.35		205-215

NOTE # 8 NOT SAMPLED  
" # 9 AND 10 ICP

Certified by [Signature]





DRILL HOLE No. RH#1B

HULDRA SILVER MINE

PAGE 1 OF 1 LOGGED BY E.L.

COLLAR LOCATION 1802E, 799N AZIMUTH 340° DIP -50° ELEVATION 1,472m DEPTH 17m CORE SIZE CHIPS

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
0	4.6	Overburden							
4.6	6.1	ARKOSE - oxidized				5'	0.01		
6.1	7.6	ARKOSE - oxidized				"	0.01		
7.6	9.1	ARKOSE - oxidized				"	0.01		
9.1	10.7	ARKOSE - oxidized				"	0.11		
10.7	12.2	VEIN - Quartz - Carbonate and black vitreous mineral much Sphalerite less Galena (grinds fine) minor Arkose				"	1.81	4.14	3.72
12.2	13.7	ARKOSE - 15% Quartz - Carbonate 10% black vitreous mineral minor sulphides mainly Pyrite				"	0.61		
13.7	15.2	ARKOSE - 10% Quartz - Carbonate dyke fragments? (doubtful)				"	0.35		
15.2	16.8 END	ARKOSE - 10% Argillite 10% Quartz - Carbonate stringer of Pyrite very minor Sphalerite				"	0.03		

DRILL HOLE No. RH#2

HULDRA SILVER MINE

PAGE 1 OF 1 LOGGED BY E.L.

COLLAR LOCATION 1798E, 783N AZIMUTH N DIP -60° ELEVATION 1470m DEPTH 35m CORE SIZE CHIPS

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb%	Zn%
0	4.6	Overburden		25'	30'	5'	0.04		
4.6	10.7	ARGILLITE?		30	35	"	0.13		
10.7	13.7	ARGILLITE with minor Quartz - Carbonate		35	40	"	0.01		
13.7	16.8	ARKOSE 15-20% Carbonate slight pink minor Quartz		40	45	"	0.01		
10.8	19.8	ARKOSE - 10% Argillite		45	50	"	0.01		
19.8	22.9	ARKOSE very minor Quartz - Carbonate		50	55	"	0.07		
22.9	24.4	ARKOSE 80% 20% Quartz with black mineral (Calcite?) with Pyrite very minor Carbonate!		55	60	"	0.01		
24.4	25.9	ARKOSE a few fragments of <u>DYKE??</u> minor Quartz - Carbonate		60	65	"	0.03		
25.9	32.0	ARKOSE		65	70	"	0.01		
32.0	35.1	ARKOSE 10% Quartz - Carbonate		70	75	"	0.01		
	END			75	80	"	1.27	0.07	1.50
				80	85	"	0.07		
				85	90	"	0.18		
				90	95	"	0.05		
				95	100	"	0.01		
				100	105	"	0.01		
				105	110	"	0.01		
				110'	226'	"	0.01		

22.9 to 24.4

DRILL HOLE No. RH#3

HULDRA SILVER MINE

PAGE 1 OF 3 LOGGED BY E.L.L.

COLLAR LOCATION 1798E, 783N AZIMUTH - DIP -90° ELEVATION 1,470m DEPTH 56m CORE SIZE CHIPS

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
0	4.6	Overburden							
4.6	10.7	ARGILLITE		15'	25'	10'	0.01		
10.7	15.2	ARKOSE		25	35	"	0.01		
15.2	15.9	SILL - Brown yellow fragments		35	45	"	0.01		
15.9	16.8	ARGILLITE		45	55	"	0.03		
16.8	19.8	SILL, white slight yellow		55	65	"	0.05		
19.8	22.9	SILL very light white slight green tinge		65	75	"	0.06		
		minor Carbonate with small specks of Galena		75	85	"	0.05		
		very minor specks of light brown Sphalerite		85	90	5"	8.28	2.78	0.11
		very minor pink Carbonate		90	95	"	81.67	36.50	0.02
		very minor Quartz with black vitreous mineral with		95	100	"	37.63	16.10	0.01
		minor Pyrite and Galena?		100	105	32.0"	10.35	5.45	0.02
22.9	25.9	ARKOSE 10% Carbonate Quartz with minor Pyrite and Galena		105	110	"	0.57		
		15% black Calcite? mixed with other black vitreous		110	115	33.5" 35.7m	4.78	2.53	0.01
		mineral?? with minor Pyrite		115	120	"	0.18		
25.9	27.1	AS ABOVE		120	125	"	0.08		
27.1	27.4	VEIN Carbonate pink and buff, Quartz		125	130	"	2.86	0.91	0.30
		much Galena - no Sphalerite noted		130	135	"	1.97	0.92	2.90
		- values in sample 85-90 are from this one foot		135	140	41.2" 42.7m	11.96	5.40	0.78
		water flow		140	145	"	2.46	1.47	0.02
27.4	29.0	- 6 large fragments		145	150	"	2.02	1.16	0.28
		1) -Carbonate crystals - pinkish with fine specks of		150	155	"	2.57	1.51	0.01
		Galena		155	160	"	2.35	1.45	0.01
		-Band of Calcite - grey, black with specks of Galena		160	165	"	1.63	0.92	0.02
		minor Quartz		165	170	"	5.15	3.19	0.01
		- altered Arkose - mixed Feldspar and Quartz with		170	175	53.4"	6.15	3.21	0.02
		specks of Galena		175	180	"	0.09		
		2) as above without Calcite streak		180'	185'	"	1.41	0.77	0.02
		3) As in 1) with coarse Galena in pink Carbonate							
		4) As in 3)							
		5) Argillite - oxidized							
		6) ?Brown and black soft rock highly altered Feldspar							
		(?) and black vitreous mineral							

} VEIN



DRILL HOLE No. RH#3

HULDRA SILVER MINE

PAGE 2 OF 3 LOGGED BY E.L.

COLLAR LOCATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ DEPTH \_\_\_\_\_ CORE SIZE \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb%	Zn%
29.0	30.5	AS ABOVE							
30.5	32.0	ARKOSE and VEIN MATERIAL Quartz - Feldspar - pink Carbonate Quartz and black vitreous mineral specks of Pyrite and Galena throughout							
32.0	33.5	ARKOSE with minor black flecks - Biotite? very minor Pyrite - very fine fragments of Galena - contamination?							
33.5	35.1	ARKOSE - Quartz with minor Galena minor Carbonate with Galena - fine Galena fragments 5% black fragments black vitreous mineral? very minor brown oxidized fragments							
35.1	36.6	ARKOSE - Argillite 40-40 - 20% Quartz with 2-3% Pyrite, and black vitreous mineral							
36.6	38.1	ARKOSE with minor Muscovite - some Argillite minor Quartz fragments with specks of Galena							
38.2	39.6	ARKOSE - minor alteration of Feldspar (Kaolin?) 10% Pyrite - minor black specks - Biotite? 10% Quartz (Vein?) with Galena Galena fragments							
39.6	41.2	ARKOSE grey minor black fragments slight schistose look speckled with very fine grained black (Biotite?) a few black vitreous fragments and clear glassy Calcite? also Quartz with minor Galena							
41.2	47.7	ARKOSE AND VEIN 50-50 Quartz, Quartz and black vitreous mineral with Pyrite Quartz with Sphalerite and Galena							





DRILL HOLE No. RH#5

HULDRA SILVER MINE

PAGE 1 OF 2 LOGGED BY E.L.

COLLAR LOCATION 1783E, 741N AZIMUTH N DIP -50° ELEVATION 1,455m DEPTH 59m CORE SIZE CHIPS

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
0	4.6	Overburden		45'	55'	10'	0.07		
4.6	12.2	ARGILLITE		55	65	"	0.07		
12.2	13.7	SILL - light green Argillite 30% Quartz stringers - oxidized		105	115	"	0.08		
13.7	15.5	AS ABOVE - partly oxidized		115	125	"	0.03		
15.5	18.9	ARGILLITE		125	135	"	0.01		
18.9	21.0	SILL light green cast		135	145	5'	0.05		
		8% oxidized sill fragments with minor Quartz		145	150	"	0.02		
		some Argillite fragments		150	155	"	0.01		
21.0	25.9	ARKOSE - speckled with black mineral (Biotite?)		155	160	"	0.01		
		minor Quartz - Carbonate		160	165	"	0.08		
25.9	32.0	ARKOSE - 25% Argillite minor Quartz Carbonate		165	170	"	0.12		
32.0	35.1	ARKOSE - 15% Argillite		170	175	"	0.23		
		8% Quartz - Carbonate		175	180	"	0.01		
		minor Vein: Quartz - black mineral		180	185	"	0.01		
35.1	38.1	ARKOSE and Arkose-Argillite Breccia		185	190	"	0.12		
		partly disseminated Carbonate (10-15%)		190'	195'	"	0.08		
		10% Quartz - Carbonate mainly around 36.6m							
38.1	41.2	ARKOSE altered - irregular streaks of Argillite							
		disseminated Carbonate (10-15%)							
41.2	44.2	ARKOSE altered (Feldspar alteration or carbonation)							
		some Quartz with minor oxide							
44.2	45.7	ARKOSE - Carbonate and altered Feldspar							
45.7	47.3	ARGILLITE 35% - some Quartz - Carbonate in disem (?) vein -							
		fault gouge?							
47.3	48.8	ARKOSE - altered Feldspar							
48.8	50.3	ARKOSE and Arkose-Argillite Breccia - minor							
		Quartz Carbonate							
50.3	51.8	ARKOSE - minor Quartz - Carbonate							
51.8	53.4	Arkose strong Carbonation 10% vein material of Quartz and							
		black vitreous mineral with Pyrite and speck of Galena							
		carbonate fragments							
53.4	54.9	ARKOSE - minor Moscovite minor Quartz and black mineral							
		fragments with Pyrite							

DRILL HOLE No. RH#5

HULDRA SILVER MINE

PAGE 2 OF 2 LOGGED BY E.L.

COLLAR LOCATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ DEPTH \_\_\_\_\_ CORE SIZE \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb%	Zn%
54.9	56.4	ARGILLITE-ARKOSE 40% some Argillite-Arkose Breccia minor Carbonate stringers							
56.4	57.9	ARGILLITE-ARKOSE 40% - Carbonated 5% Carbonate - Quartz fragments							
57.9	59.5 END	60% Argillite - 20% Arkose - carbonated 10% Dyke 10% Carbonate - Quartz and black mineral with Pyrite							

DRILL HOLE No. RH#6

HULDRA SILVER MINE

PAGE 1 OF 2 LOGGED BY E.L.

COLLAR LOCATION 1783E, 740N AZIMUTH N DIP -75° ELEVATION 1,455m DEPTH 72m CORE SIZE CHIPS

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
0	4.6	Overburden		55'	65'	10'	0.01		
4.6	13.7	ARGILLITE		65'	70'	5'	0.01		
13.7	18.6	SILL light green cast		135(41.2)	145(44.2)	10'	1.36	1.01	001
18.6	21.4	ARKOSE - partly oxidized some Argillite		145	155	10'	0.04		
21.4	24.4	ARGILLITE?		185	195	10'	0.03		
24.4	25.9	SILL - white							
25.9	28.4	ARKOSE?							
28.4	29.0	SILL - with some Argillite - oxidation							
29.0	36.9	ARKOSE - some Quartz and oxide							
	at 36.9	soft graphitic							
	at 37.8	ARKOSE - high in Carbonate							
	at 38.7	ARKOSE minor Carbonate							
41.2	44.2	ARKOSE - 10% Carbonate - Galena fragments							
	at 45.7	Brown lusterous rock chips?							
45.7	47.3	ARKOSE minor Argillite - slight green Feldspar							
		10% Carbonate							
47.3	48.8	ARKOSE minor Arkose Argillite Breccia							
		8% Carbonate							
48.8	50.3	ARKOSE							
50.3	51.8	ARKOSE 10% Argillite, 5% brown lusterous chips??							
51.8	53.4	ARKOSE minor Sericite							
53.4	54.9	ARKOSE with minor brown chip							
	at 54.0	milky water - possible gouge zone							
54.9	56.4	ARKOSE - partly light partly dark grey							
56.4	57.9	Arkose dark grey - minor Sericite							
57.9	59.5	ARKOSE dark grey - minor Muscovite							
59.5	62.5	ARKOSE very light (Kaolin?)							



DRILL HOLE No. RH#7

HULDRA SILVER MINE

PAGE 1 OF 2 LOGGED BY E.L.

COLLAR LOCATION 1794E, 739N AZIMUTH N DIP -75° ELEVATION 1,455m DEPTH 72m CORE SIZE CHIPS

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb%	Zn%
0	4.6	Overburden							
4.6	6.1	ARGILLITE							
6.1	6.7	SILL - with some oxide							
6.7	12.2	ARGILLITE							
12.2	13.1	SILL - white - green cast							
13.1	16.2	ARGILLITE							
16.2	16.8	ARKOSE - oxidized							
16.8	22.2	ARKOSE							
		at 17.7							
		at 21.0							
22.2	22.9	ARKOSE light with minor Muscovite 5% Argillite 10% brown lusterous chips 10% oxidized Arkose		95'	105'	10'	0.01		
22.9	24.7	ARKOSE		105'	115'	10'	0.01		
24.7	25.6	SILL grey - green cast		135'	145'	10'	0.01		
25.6	27.1	ARKOSE		205'	215'	10'	0.35		
27.1	28.0	ARGILLITE							
28.0	28.4	ARKOSE							
28.4	29.0	ARKOSE 50% oxidized - Argillite							
29.0	32.0	ARKOSE 70% oxidized							
		31.7-32.9 very muddy - possible fault gouge							
32.0	38.1	ARKOSE minor oxide - minor Argillite and Quartz with black vitreous							
		36.0-27.2 white muddy water (Clay alt?)							
38.1	41.2	ARKOSE light grey - white muddy water (clay alteration?) minor carbonate throughout a few grey metallic mineral							
41.2	45.1	ARKOSE light grey white muddy water (clay alteration?) 10% Carbonate throughout							
45.1	51.8	ARKOSE - light green cast - harder minor Quartz with black vitreous mineral							



DRILL HOLE No. RH#7

HULDRA SILVER MINE

PAGE 2 OF 2 LOGGED BY E.L.

COLLAR LOCATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ DEPTH \_\_\_\_\_ CORE SIZE \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
51.8	54.9	ARKOSE dark grey minor Carbonate							
54.9	55.5	ARGILLIC Arkose							
55.5	60.7	ARKOSE DRK GREY MINOR Carbonate							
60.7	64.0	ARKOSE DARK GREY MINOR Carbonate							
		MINOR Quartz and black vitreous mineral							
		at 68.9							
		soft muddy							
64.0	68.9	ARKOSE							
		65.5-66.1							
		ARGILLITE - muddy							
		69.8							
		some light chips - Sill?							
68.9	69.8	DYKE							
69.8	71.6	ARGILLITE							
		END							



DRILL HOLE No. RH#9

HULDRA SILVER MINE

PAGE 1 OF 1 LOGGED BY E.L.

COLLAR LOCATION 742N, 2232E AZIMUTH 355° DIP -50° ELEVATION 1,355m DEPTH 62.5m CORE SIZE CHIPS

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
0	4.6	Overburden	ICP	15'	75'				
4.6	10.7	ARGILLITE - some oxidized Quartz							
10.7	15.5	ARKOSE Argillite - some oxidized Quartz fragments							
15.5	16.8	ARGILLITE - in part soft grey with slight layering or							
16.8	22.9	schistose - minor Quartz stringers							
		at 21.3 very graphitic							
		at 22.9 very graphitic							
22.9	29.0	ARGILLITE, Arkosic Argillite, Arkose 15% Quartz - Calcite							
	27.4-28.0	grey Arkose - oxidized Quartz with Pyrite - VEIN?							
		muddy sludge							
	at 29.0	light Arkose - 20% Quartz very muddy							
29.0	37.5	grey Arkose - some Argillite							
	29.0-30.5	increasing Argillite							
	34.5-34.8	dark Arkose - 40% Quartz lightly oxidized							
37.5	43.9	Grey Arkose - 5-10% Quartz - Calcite							
	37.5-38.1	15% Quartz - Calcite lightly oxidized							
	to 41.2	10-15% Quartz - less Calcite							
	42.1-42.4	Argillite							
	at 42.4	Grey Arkose - 20% Quartz							
43.9	53.4	Argillite - Biotite alteration							
	at 45.7	Arkose - 40% Quartz							
	at 47.0	Arkose - 40% Quartz							
	47.3-48.5	Arkosic Argillite partly highly graphitic 5-10% Quartz							
	48.5-48.8	dark Arkose							
	at 48.8	Argillite highly graphitic 10% Quartz and Calcite							
53.4	62.5	ARGILLITE - Biotite alteration							
	53.4-54.9	ARGILLITE with 50% Quartz - Calcite ) Possible Vein							
	at 54.9	very muddy - 40% Quartz - Calcite )							
	at 56.4	very graphitic							
	59.5-62.5	Argillite with 5% Calcite							
		END							

DRILL HOLE No. RH#10

HULDRA SILVER MINE

PAGE 1 OF 3 LOGGED BY E.L.

COLLAR LOCATION 2210E, 670N AZIMUTH 0° DIP -50° ELEVATION 1,348m DEPTH 73.1m CORE SIZE CHIPS

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
0	4.6	Overburden							
4.6	11.3	ARKOSE - interstitial Carbonate minor Pyrite 60% oxidized (some Epidote?)							
11.3	19.8	6.7-7.0 Argillite 9.1-9.7 very strong oxide ARKOSE - 35% Argillite 13.1-13.3 60% oxidized 14.3-14.9 light Arkose (bleach?) - muddy sludge at 14.9 highly graphitic 14.9-17.1 muddy - washes away	10P	15'	245'				
19.8	25.9	ARKOSE - with black specks (Biotite?) minor disseminated Pyrite at 23.2 minor graphitic Argillite							
75.9	30.5	light grey Arkose 25.9-26.2 Argillite - muddy at 26.2 Arkose with minor Argillite - minor Epidote(?) chloritized (green cast to the sludge)							
30.5	35.1	29.9-30.5 light Arkose - white muddy - minor Carbonate light Arkose at 34.1 mudd seam							
35.1	41.2	ARKOSE 50% fine grained - Argillite 50% at 35.7 graphitic Argillite 36.6-37.2 Arkose - 5% Carbonate 37.2-38.1 Argillite (graphitic) at 38.1 Arkose at 38.4 mudd seam " Argillite graphitic - 5% carbonate at 39.0 50% Arkose at 39.3 Argillite							
41.2	45.1	at 41.2 graphitic Argillite - mud - 10-20% Carbonate ARGILLITE 55% - Arkose 40% - Quartz 5-10% at 43.6 graphitic Argillite at 45.1 white green - 10% Carbonate							

DRILL HOLE No. RH#10

HULDRA SILVER MINE

PAGE 2 OF 3 LOGGED BY E.L.

COLLAR LOCATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ DEPTH \_\_\_\_\_ CORE SIZE \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb %	Zn %
45.1	47.3	at 47.3							
47.3	50.3	ARKOSE - light grey, minor Pyrite - 10% Carbonate 20% Carbonate at 47.3 ARKOSE - light grey, fine grained minor Pyrite 5-10% Carbonate at 47.9 mud seam at 48.9 green cast at 50.3 muddy							
50.3	56.4	50.3-51.8 at 52.7 at 53.4 54.0-54.3 54.0-56.4 55.5-56.4							
56.4	57.9	Fine grained Arkose 5-10% Carbonate some Argillite Stuck - muddy, 10% Carbonate minor Pyrite light Arkose Arkose - Argillite - 10% Carbonate Brown chips? 10% Argillite 10% Carbonate increase to 1/4% Pyrite Brown chips (?) 20% 10% Argillite specks of Pyrite - Quartz fragments ARKOSE - fine grained 10% Carbonate - Quartz - muddy Pyrite (in black fragments?)							
57.9	64.6	57.9-59.5 60.1-60.3 61.0-61.9 at 61.9 63.1-63.4 at 64.0 64.6							
		ARKOSE 5% Carbonate - minor Pyrite mudd - Argillite - 20% Carbonate - specks of Pyrite minor Argillite, brown chips, Epidote and Pyrite 50-50 Arkose-Argillite Fault(?) - Arkose 60%, brown chips 10%, Epidote 10% Argillite 15%, Carbonate 5% 5% Carbonate light Arkose 10% Argillite							

DRILL HOLE No. RH#10

HULDRA SILVER MINE

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COLLAR LOCATION \_\_\_\_\_ AZIMUTH \_\_\_\_\_ DIP \_\_\_\_\_ ELEVATION \_\_\_\_\_ DEPTH \_\_\_\_\_ CORE SIZE \_\_\_\_\_

FROM	TO	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	Ag oz/t	Pb%	Zn%
64.6	66.5	64.9-66.2 ARKOSE grey Arkose, patchy green cast, flecks of red (Hematite stain?) 10% Carbonate							
66.5	71.6	66.2-66.5 Brown chips 10% grey Arkose minor Argillite, 5-10% Carbonate 66.5-67.1 10% Argillite 67.1-67.7 20% Carbonate 67.7-69.5 5-10% Argillite 69.5-69.8 40% Argillite 69.8-71.6 (stuck) 10% Argillite, 10% brown chips, 5% Epidote (?) 4% Carbonate							
71.6	73.1 END	ARKOSE grey - 10% Carbonate - (Calcite?) black specks in Arkose (Biotite?)							

## REFERENCES

Exploration in B.C., 1989, Treasure Mountain, by R.E. Meyers and T.B. Hubner.

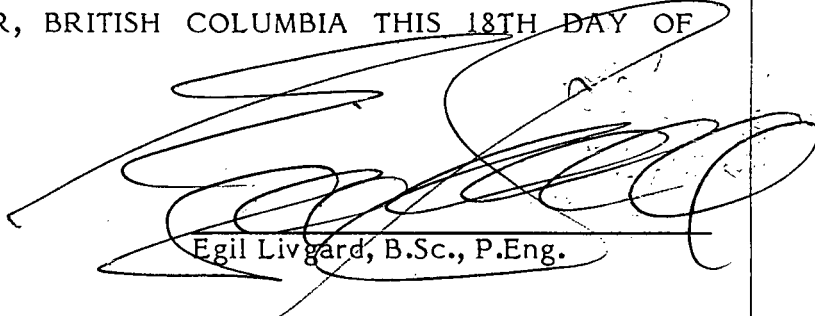


CERTIFICATE

I, EGIL LIVGARD, of 1990 King Albert Avenue, Coquitlam, B.C., DO  
HEREBY CERTIFY:

1. I am a Consulting Geological Engineer, practicing from #635 - 470  
Granville Street, Street, Vancouver, B.C.
2. I am a graduate of the University of British Columbia, with a B.Sc.,  
1960 in Geological Sciences.
3. I am a registered member in good standing of the Association of  
Professional Engineers of the Province of British Columbia.
4. I have practised my profession for over 30 years.
5. I am a Director of Huldra Silver Inc., and own directly a large block  
of stock.
6. This report dated September 18, 1990 is based on an examination of  
the work from October 15 to November 15, 1989, on extensive work  
over the past ten years, and on references as listed.

DATED AT VANCOUVER, BRITISH COLUMBIA THIS 18TH DAY OF  
SEPTEMBER, 1990.

  
Egil Livgard, B.Sc., P.Eng.

