

LAFORST-HLAVA EXPLORATION SERVICES LTD.

9/88

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LOG NO: 1120	RD.
ACTION:	
FILE NO: 87-904-16643	

REPORT ON GEOLOGICAL MAPPING AND SAMPLING

ON THE HORNE CLAIM

RECORD NO. 1639

REVELSTOKE MINING DIVISION

FILMED

NTS 82 K/14W

LATITUDE $50^{\circ} 45' 54'' 46' 21''$

LONGITUDE $117^{\circ} 27' 10'' 26' 47''$

BY

MILAN HLAVA, B.Sc., F.G.A.S.

FOR

Operator: GOLDEN RANGE RESOURCES INC.

Owner: Eric Denny

NOVEMBER, 1987

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

16,643

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SUMMARY AND RECOMMENDATIONS

The 1987 field work on the Horne claim failed to locate the old workings or any areas of mineralization or alteration.

The property is underlain by phillites, chlorite schists and minor limestone of Index formation with the strike 120° - 130° and dip of 70° - 80° north east.

The future exploration work will be proposed upon receiving of results of recently completed airborne, magnetometer and VLF-EM surveys.

INTRODUCTION

During the period of September 4, 1987 and September 23, 1987, the author and an additional crew of three men completed geological, geochemical and geophysical surveys for Golden Range Resources Inc., on the Denny claims in the Lardeau Area of southeastern British Columbia (Figure 1), as a part of the 1987 exploration program.

On September 5 and 7, 1987 the author and one prospector conducted geological mapping and geochemical sampling on the Horne claim.

PROPERTY

The Horne claim consists of a six-unit claim with metal tag No. 60299. The record No. is 1639 and the recorded date is September 15, 1981. The claim is located in the Revelstoke Mining Division, Claim Map 82 K /14W (M). See Figure 2.

LOCATION AND ACCESS

The claim is located at the head waters of Galena Creek, approximately 15.5 air kilometers north, northeast of the town of Trout Lake, NTS 82 K/14 at a latitude $50^{\circ}45'54''$ and longitude $117^{\circ}27'10''$.

The access to the property is by helicopter from Revelstoke (65 air Km), Nakusp (60 air Km) or Nelson (150 air Km). Highland Helicopters Ltd. with the base at Nakusp provided transportation to and from the property on a daily basis.

Two pack trails, presently overgrown do exist on the property. One trail runs along the east bank of Ferguson Creek and the other connects Circle City with the Ellsmere locality.

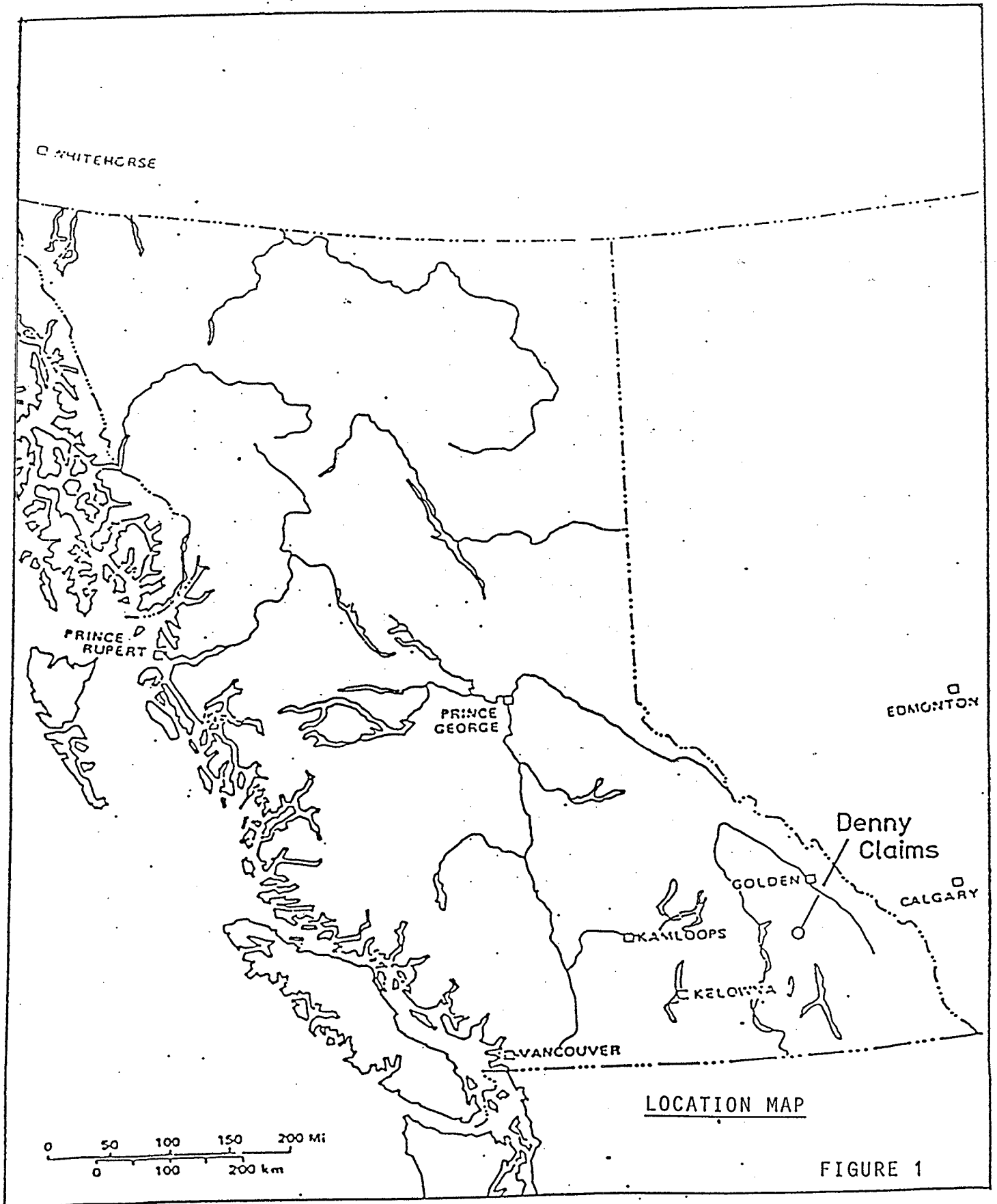
PHYSIOGRAPHY

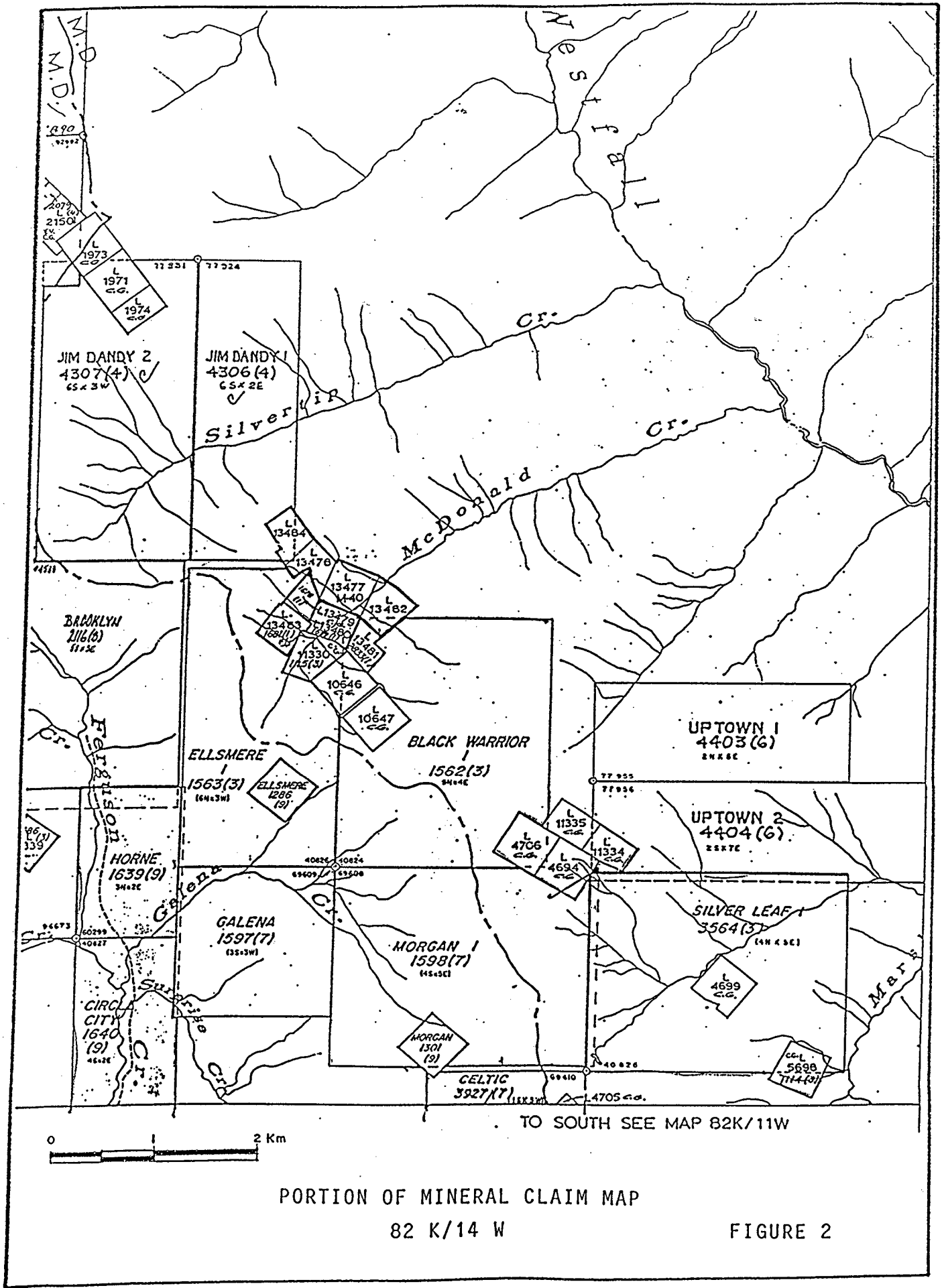
Ferguson Creek runs in N-S direction along the entire length of the claim. Galena Creek drains the south eastern portion of the claim. All the streams are characterized by steep gradients and V-shaped valleys.

The elevation on the property varies from 1,188 m to 1,798 m.

Vegetation ranges from large hemlock and cedar in Ferguson Creek drainage, to spruce and alder at 1,500m. This gradually opens to free-standing spruce and fir in higher elevations of the claim.

Bedrock exposure is approximately 5%.





PORTION OF MINERAL CLAIM MAP

82 K/14 W

FIGURE 2

HISTORY

The following Crown grants were granted in the past within the present claim: Alberta, Vera, Josie, Monte Christo, Anna Comstock, Silver Bullion, Richmond.

MNR 1897, Page 550 first mentions Vera in conjunction with Glenside and Tom Thumb properties where the Brandon Company was developing the property on which were the two veins of quartz and galena.

MNR 1898, Page 1070 - crosscut is run on the Vera for 180 feet. Two ledges were traced on the surface running parallel to one another and about 100 feet apart. In driving the crosscut the first and small ledge was tapped in a distance of 120 feet and found to be 4 feet wide, composed of quartz pyrite and a small seam of galena. The crosscut will be pushed through another 25 feet, where it is expected a larger vein will be encountered.

MNR 1901, Page 1019 mentions Comstock and Silver Bullion Crown grants owned by Comstock Gold Mining Company Ltd. The operators drove 50 feet of tunnel (Comstock Crown Grant) on a large vein of which a width of about two feet is mineralized with copper pyrites carrying \$8.00 to \$10.00 Gold and 30 oz silver per ton.

The above-mentioned was the recorded work. Since that time, work on the property consisted of prospecting by Jack and Eric Denny.

REGIONAL GEOLOGY

The unfossiliferous members of the Lardeau and Hamill groups identified by Read (1977) are presumed to be of Paleozoic and Proterozoic Ages respectively. Both groups form a broad belt of north-westerly trending formations between Kuskanax and Battle Range Batholiths. All the formations are part of a transgressive geosynclinal sedimentary series of Kootenay Arc. The sedimentary sequence is complexly isoclinally folded with a generally steep dip to the northwest. Regional faulting so far identified consists of northwest-southeast trending thrust faulting with strike slip offset. Table 1 lists Age relations of the sedimentary series within the region.

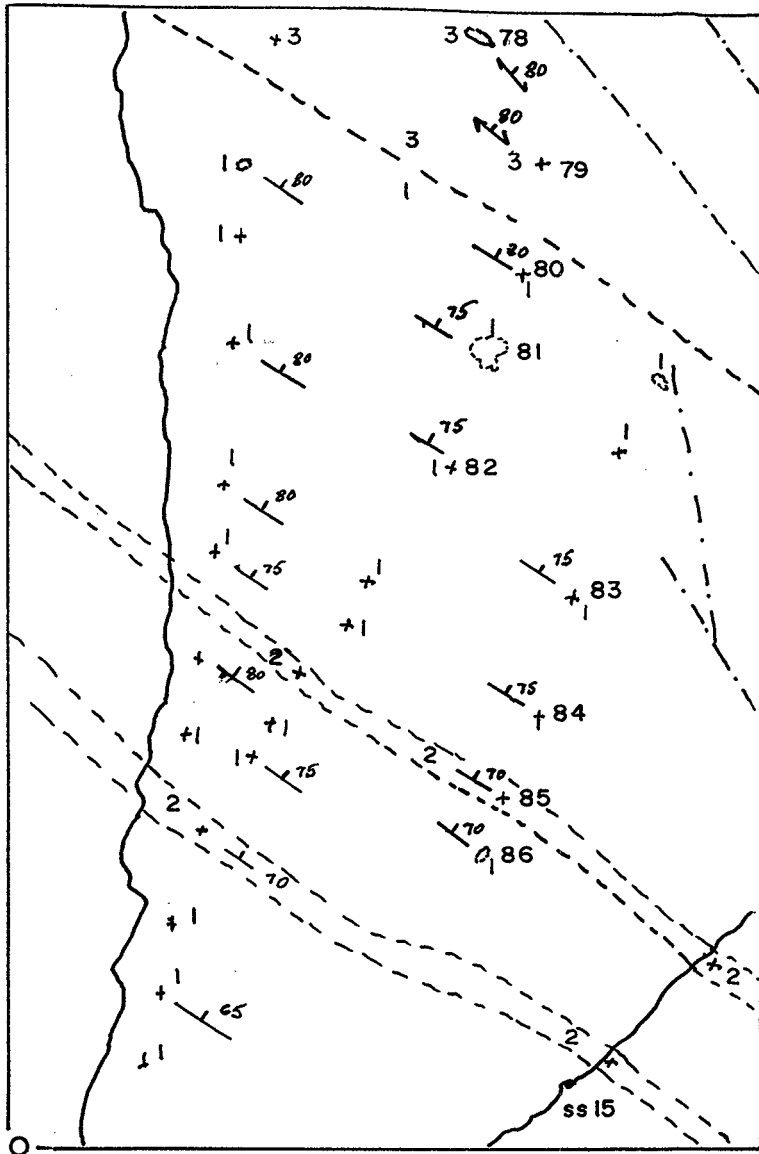
PROPERTY GEOLOGY - FIGURE 3

The Horne claim contains the following rocks of Index formation:

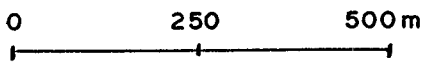
LIMESTONE: Gray - light gray, thinly laminated to massive
2 - 20 m thick.

CHLORITE SCHIST: This unit is dark greenish gray in colour. It contains irregular, discontinuous veins and veinlets of quartz with finely disseminated pyrite.

PHILLITE: This is the most abundant rock type within the claim. It is gray to light greenish gray in colour and thinly laminated.






Tag no. 60299



1: 10000

LEGEND

- 3 Chlorite Schist
- 2 Limestone
- 1 Phillite
-  Schistosity
-  Bedding
-  Photolineament

GEOLOGY OF HORNE CLAIM

FIGURE 3

TABLE 1
TABLE OF FORMATIONS

EON	ERA	PERIOD	GROUP	FORMATION	LITHOLOGY
PHANEROZOIC	PALEOZOIC	DEVONIAN	LARDEAU	BROADVIEW	- gray and green phyllitic grit - phyllite
				SHARON	- dark gray to black siliceous phyllite
				AJAX	- massive grey quartzite
				INDEX	- phyllite - arenaceous limestone - minor gray phyllite - gray and light green phyllite - limestone and quartz grit - minor phyllitic limestone
CONFORMABLE CONTACT					
PRECAMBRIAN	PROTEROZOIC	CAMBRIAN LOWER CAMBRIAN		BADSHOT (LADE PEAK)	- gray & white limestone
			HAMILL	MOHICAN	- green phyllite - minor gray phyllite - limestone
				MARSH-ADAMS	- white, gray, green quartzite - phyllitic quartzite - minor gray and black phyllite

AFTER READ, 1976

WORK COMPLETED

The work completed consisted of mapping the Horne claim with a compass and hip chain on a scale 1:10000. Nine rock samples and one stream sediment sample were analyzed by the ICP method for 30 elements. Results are presented on Figure 3 and Appendix 3.

DISCUSSION OF RESULTS

Field work failed to locate the old workings or any areas of mineralization or alteration.

The predominant rock type within the southern two thirds of the property is light gray to light, greenish gray, thinly laminate phillite with minor limestone. The northern third of the property is underlain by dark green chlorite schist. The formation has a strike of 120° to 130° and dip of 70° - 80° NE. One quartz vein 10 cm thick (sample No. 83) is anomalous in Pb (113 PPM). The stream sediment sample SS-15 taken from Galena Creek is not anomalous in any element.

CONCLUSIONS AND RECOMMENDATIONS

The limited field work failed to detect any areas of interest. However, it is recommended that systematic detailed geological mapping be completed in an attempt to locate the old workings. The proposal for future work will be prepared after the results of the recently completed airborne magnetometer and VLF surveys are available.

Respectfully submitted,

Milan Hlava

Milan Hlava, B.Sc., F.G.A.S.

REFERENCES

Read, P.B.
(1976)

Geology Lardeau West Half;
Open File; G.S.C.

Turner, G.W.
(1983)

Report on Denny Claims (Slocan/
Revelstoke Mining Division
Assessment Work Data File - Vancouver

Minister of Mines Reports (1886-1917)
British Columbia Department of Mines

APPENDIX 1

STATEMENT OF QUALIFICATIONS

CERTIFICATE

I, Milan Hlava of the City of Timmins, Province of Ontario, Canada and the Town of Surrey, Province of British Columbia, Canada do state:

1. That I am a practising consulting geologist with offices at 24 Pine Street South, P. O. Box 1163, Timmins, Ontario P4N 7H9 and 14746 90A Avenue, Surrey, B.C. V3R 1B2.
2. That I am a graduate of Komensky University, Bratislava, Czechoslovakia (1968) with a degree of Bachelor of Science in Exploration Geology.
3. That I have practised my profession as a Geologist continuously since 1968 and as a Consulting Geologist continuously since 1984.
4. That I am a Fellow of the Geological Association of Canada since 1982.
5. That I have no interest directly, indirectly nor anticipated in Golden Range Resources Inc. or the properties in this report.
6. That I am familiar with the material contained in this report, having examined all the material myself and visited the property myself in the field.
7. That the conclusions reached in this report are my own.

Respectfully submitted,

Milan Hlava

Milan Hlava, B.Sc., F.G.A.S.

APPENDIX 2

SUMMARY OF EXPENDITURES

APPENDIX 2

1987 EXPLORATION PROGRAM

HORNE CLAIM RECORD NO. 1639

SUMMARY OF EXPENDITURES

<u>EXPLORATION FUNCTION</u>	<u>EXPENDITURE</u>
9 rocks x \$9.00	\$ 81.00
1 stream sed x \$9.00	9.00
Salaries	
1 senior geologist	500.00
2 days x \$250.00 per day	
1 prospector	
2 days x \$175.00	350.00
Food and Accommodation	
\$50/man/day x 4	200.00
Transportation-Helicopter	
1.5 x \$560.00	<u>840.00</u>
TOTAL	<u>\$1,980.00</u>

APPENDIX 3

ANALYTICAL RESULTS

GOLDEN RANGE RESOURCES LE # 87-4514

SAMPLE#	MO PPH	CU PPH	PB PPH	ZN PPH	AG PPH	NI PPH	CO PPH	MN PPH	FE %	AS PPH	U PPH	AU PPH	TH PPH	SR PPH	CD PPH	SB PPH	BI PPH	V PPH	CA %	P %	LA PPH	CR PPH	MG %	BA PPH	TI %	B PPH	AL %	NA %	K %	W PPH
S-37	3	47	68	191	.1	69	30	922	5.34	14	5	ND	10	12	1	2	4	9	.66	.137	32	29	.78	22	.01	4	1.86	.01	.02	1
S-38	2	35	87	184	.1	40	20	867	4.19	17	6	ND	6	42	1	2	3	7	2.27	.298	18	14	.53	28	.01	8	1.01	.01	.05	1
S-39	2	36	142	214	.1	40	20	1218	4.54	20	5	ND	6	27	1	2	2	8	1.62	.324	23	15	.48	33	.01	13	1.14	.01	.05	1
S-40	2	52	50	150	.1	68	29	702	5.99	11	5	ND	13	12	1	2	2	6	.86	.084	30	26	.73	17	.01	2	1.65	.01	.03	1
S-41	3	52	51	150	.1	65	27	951	6.30	14	5	ND	12	11	1	2	2	7	.51	.102	32	23	.63	22	.01	2	1.56	.01	.03	1
SS-1	3	108	20	114	.1	57	21	688	5.23	49	5	ND	6	175	1	2	3	12	3.11	.115	6	23	1.18	18	.01	3	1.09	.01	.02	2
SS-2	10	102	187	641	1.8	70	21	703	4.78	61	5	ND	7	38	6	6	3	9	1.33	.120	8	9	.37	88	.01	7	.48	.01	.05	1
SS-3	1	24	16	37	.1	15	7	450	1.60	12	5	ND	1	811	1	6	2	2	15.66	.030	12	5	.23	6	.01	12	.35	.01	.02	2
SS-4	5	66	99	267	1.6	53	18	504	4.23	53	5	ND	6	210	2	6	2	7	7.67	.074	5	12	.52	33	.01	7	.72	.01	.03	1
SS-5	3	75	51	202	.8	52	19	1219	4.78	44	5	ND	9	61	2	2	2	8	1.70	.085	12	14	.55	36	.01	2	.84	.01	.02	1
SS-6	4	52	85	211	.9	33	9	405	2.55	23	5	ND	2	78	1	5	2	6	7.78	.119	7	4	.28	29	.01	16	.34	.01	.04	1
SS-7	1	63	143	148	.2	38	22	1554	5.00	15	5	ND	4	40	1	2	3	11	.34	.072	19	19	.51	66	.01	5	1.35	.01	.05	1
SS-8	2	49	59	170	.4	36	18	1461	4.01	12	5	ND	5	48	1	2	2	11	3.08	.119	9	19	.53	39	.01	8	1.47	.01	.05	1
SS-9	1	36	74	122	.2	39	20	1344	5.22	4	6	ND	9	77	1	2	2	15	.52	.067	19	27	.75	29	.01	8	1.87	.01	.04	1
SS-10	1	31	24	105	.1	37	19	1352	4.97	2	5	ND	6	83	1	2	2	16	.46	.058	16	27	.71	26	.01	2	1.83	.01	.03	1
SS-15	1	53	77	127	.1	49	28	867	6.29	25	5	ND	7	169	1	2	2	13	3.15	.072	12	23	.70	13	.01	8	1.47	.01	.02	2
SS-16	2	67	109	171	.2	55	23	840	5.88	4	5	ND	6	32	1	2	2	41	.61	.115	11	49	1.23	52	.18	11	1.63	.01	.03	1
STD C	20	61	41	132	7.3	69	29	1181	4.13	38	19	8	40	52	19	18	22	59	.49	.088	39	61	.92	180	.07	39	2.00	.06	.13	12

SAMP	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
72	1	10	233	28	.5	1	1	396	.37	9	5	ND	1	2261	1	2	2	1	33.80	.008	5	1	.12	1	.01	6	.01	.01	.01	1
73	1	2	40	38	.8	1	1	296	.41	5	5	ND	2	3163	1	2	2	1	37.08	.020	6	1	.12	1	.01	4	.01	.01	.01	2
74	1	4	52	19	.2	1	1	246	.18	4	5	ND	1	1465	1	2	2	1	35.65	.013	2	1	.15	1	.01	2	.01	.01	.01	1
75	1	25	70	56	.7	2	1	278	.45	2	5	ND	2	31	1	2	2	1	.35	.010	2	7	.04	14	.01	2	.06	.01	.01	8
76	1	4	13	8	.3	1	1	364	.40	2	5	ND	4	17	1	2	2	1	.39	.007	2	1	.02	17	.01	4	.04	.01	.01	2
77	1	9	37	25	.3	1	1	276	.42	2	5	ND	1	3	1	2	2	1	.03	.003	2	8	.01	16	.01	2	.01	.01	.01	8
78	2	39	18	127	.2	34	18	1170	6.00	25	5	ND	9	9	1	3	2	17	.09	.037	26	31	.92	35	.01	3	2.31	.01	.09	1
79	1	30	17	103	.1	29	13	256	5.53	11	5	ND	11	6	1	2	2	19	.06	.034	37	39	.94	18	.01	2	2.33	.02	.11	1
80	1	5	8	81	.1	28	14	735	2.59	2	5	ND	7	6	1	2	4	9	.07	.036	19	20	.63	40	.01	6	.96	.03	.06	1
81	2	32	48	126	.1	53	15	450	5.62	10	5	ND	12	7	1	2	4	22	.06	.041	37	53	1.26	19	.01	2	2.80	.01	.09	1
82	2	50	14	156	.3	50	23	1361	7.51	8	5	ND	15	9	1	2	2	20	.09	.058	25	42	1.06	16	.01	2	2.47	.03	.08	1
83	2	21	113	86	.3	18	12	1156	3.37	2	5	ND	2	4	1	2	2	5	.02	.010	2	12	.45	5	.01	2	.92	.01	.02	6
84	1	29	14	122	.1	41	21	432	4.98	2	5	ND	11	66	1	2	2	25	1.36	.049	36	33	1.12	30	.02	2	2.05	.02	.14	1
85	1	4	8	8	.4	1	1	334	.72	7	5	ND	1	2174	1	2	2	1	36.06	.020	7	1	.16	2	.01	2	.04	.01	.02	1
86	2	24	21	122	.1	48	16	833	5.82	2	5	ND	9	10	1	2	2	19	.11	.042	18	37	1.18	54	.01	7	2.59	.01	.11	2
87	1	4	10	7	.2	1	1	346	.49	10	5	ND	1	2538	1	2	2	1	35.73	.012	5	1	.15	1	.01	6	.01	.01	.01	2
88	1	34	26	74	.2	31	12	364	4.02	10	5	ND	12	504	1	2	2	7	6.83	.019	15	26	.91	10	.01	7	1.75	.01	.11	1
89	1	4	6	3	.2	1	1	233	.16	3	5	ND	1	1428	1	2	2	1	37.68	.006	2	1	.11	1	.01	9	.01	.01	.01	1
90	1	3	2	3	.3	1	1	285	.19	5	5	ND	2	1584	1	2	3	1	37.70	.006	2	1	.12	1	.01	4	.01	.01	.01	1
91	2	17	51	604	.1	48	19	398	5.32	2	5	ND	14	8	1	2	2	13	.08	.022	31	29	1.17	27	.01	6	1.99	.04	.10	1
92	1	4	39	48	.1	1	1	492	.19	2	5	ND	1	421	1	2	2	1	36.98	.020	2	1	.14	1	.01	2	.01	.01	.01	1
93	2	2	8	131	.1	52	20	335	5.05	2	5	ND	12	7	1	2	2	20	.01	.022	34	29	1.38	30	.03	3	1.79	.01	.10	1
94	1	21	13	149	.1	48	21	332	5.01	2	5	ND	14	13	1	6	2	15	.42	.031	22	32	1.70	26	.01	4	2.67	.01	.10	1
95	1	6	9	30	.1	6	4	2046	2.13	3	5	ND	5	49	1	2	2	1	3.44	.015	7	4	.16	248	.01	4	.23	.01	.03	1
96	1	5	5	128	.1	43	20	534	7.11	2	5	ND	13	25	1	2	2	23	.11	.037	29	42	1.34	37	.01	3	3.03	.01	.11	1
97	2	37	10	98	.1	41	14	362	3.09	2	5	ND	8	9	1	3	4	8	.10	.028	9	23	.84	25	.01	4	1.31	.03	.09	1
98	1	8	12	51	.2	5	3	1034	2.15	12	5	ND	2	1066	1	2	3	1	33.01	.012	3	3	.37	15	.01	2	.18	.01	.03	2
99	1	52	2	61	.8	11	22	12961	34.68	33	5	ND	4	203	1	2	2	2	5.54	.004	2	1	1.08	3	.01	2	.09	.01	.03	1
100	1	4	9	72	.9	9	10	9767	17.41	15	5	ND	2	299	1	2	2	7	14.34	.001	2	1	1.33	3	.01	3	.01	.02	.03	3
101	1	481	5	65	1.0	5	14	14636	27.83	15	5	ND	3	305	1	2	2	13	8.59	.001	2	1	1.31	3	.01	2	.04	.02	.02	3
102	1	19	15	75	.5	16	24	16595	53.52	15	5	ND	5	41	1	2	3	1	.02	.013	2	2	.13	5	.01	2	.11	.01	.03	1
103	3	225	21718	504	32.7	5	4	685	1.69	9	5	ND	4	58	1	44	2	1	1.01	.038	2	1	.03	3	.01	8	.04	.01	.02	1
104	1	7	199	13	.1	3	1	533	1.08	2	5	ND	1	18	1	2	2	1	.73	.011	2	1	.02	3	.01	8	.02	.01	.01	1
105	11	24	728	582	.4	22	2	334	.95	23	5	ND	1	288	3	4	2	16	16.40	.057	4	2	.18	25	.01	5	.11	.01	.08	1
106	1	8	19	5	.1	1	1	207	.44	2	5	ND	1	31	1	2	2	1	.59	.001	2	1	.01	3	.01	4	.01	.01	.01	1
107	1	9	60	24	.1	11	1	1255	1.23	8	5	ND	1	579	1	2	5	6	34.40	.013	8	8	.40	90	.01	3	.39	.01	.01	2
STD C	19	61	41	131	7.3	67	29	1130	4.00	38	19	7	38	47	18	18	19	56	.47	.086	37	61	.88	180	.06	37	1.84	.06	.13	12