

REPORT ON

EASY CLAIMS

LIKELY, B.C.

CARIBOO M.D.

for

Mutual Resources Limited  
904-1199 West Hastings St.,  
Vancouver, B.C.

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May 23, 1979.

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SUMMARY, CONCLUSIONS, RECOMMENDATIONS

The Gold Creek and Spanish Lake areas near Likely, B.C. contain numerous gold-quartz veinlets. Some of the veinlets occur in zones. One of the zones with the best gold content, found near the mouth of Gold Creek, also contains minor chalcopryrite and galena. No evidence exists of exploration on it along strike or at depth.

This zone and the area nearby might be explored further by either trenching with a bulldozer or drilling. A percussion drill might be used because the nature of the rock might preclude good core recovery with a diamond drill.

COSTS

Organization and Expedition	\$ 2,000.00
Transportation, Lodging, Communication	5,000.00
Geological and Geochemical Surveys	10,000.00
Assays, Compilation, Engineering	3,000.00
Drilling - percussion or diamond	<u>10,000.00</u>
TOTAL:	<u><u>\$ 30,000.00</u></u>

## INTRODUCTION

The Easy claims were examined on October 28 and 29, 1978, in company with geologist John DeLatre and prospector R. Mickle. Maps compiled later by G. Gibson in the office of Silver Standard Mines are adapted for use in this report. DeLatre's report is incorporated in part in the following text.

Numerous quartz veinlets and shear zones exposed in hand trenches, canyon walls, and road cuts were sampled for gold content and mapped to determine their spatial relation and geological environment.

## LOCATION, ACCESS, TOPOGRAPHY

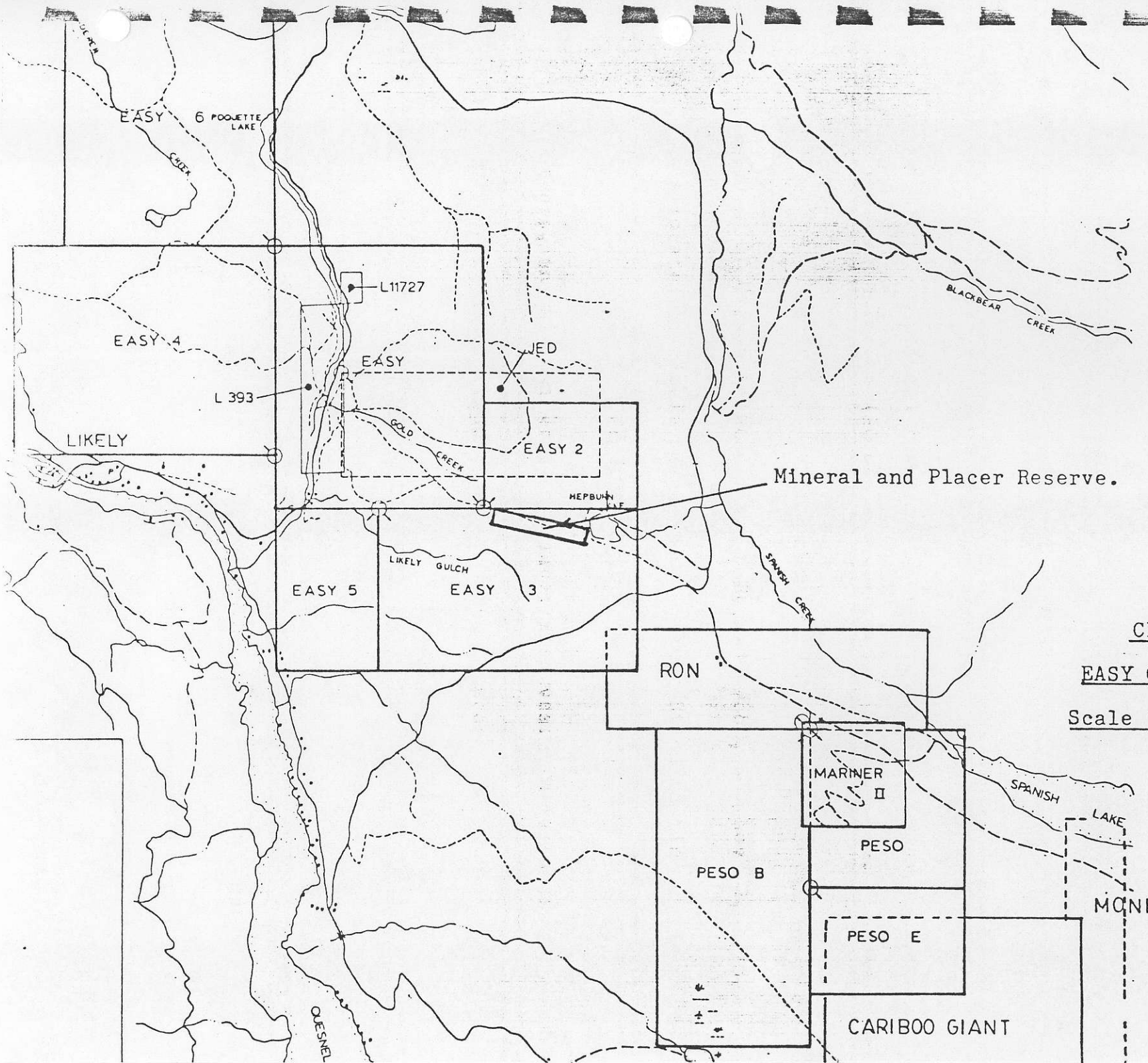
The location of the claims relative to the settlement of Likely is shown on the included map. Likely is at the west end of Quesnel Lake, and is reached by 75 km of good gravel road leading from the Cariboo Highway near

Williams Lake. Logging roads provide access from Likely to parts of the claims. The area has relief of approximately five hundred meters. Thick forest and overburden on most of the area limits prospecting and geological mapping to exposures along creeks and road cuts.

### HISTORY

The district near Likely was prospected very actively during the years 1875 to 1900 and again in the years following 1933. The Bullion mine near Quesnel River, The Cariboo River, and lower Cedar Creek, Spanish Creek, and Poquette Creek all yielded placer gold totalling perhaps as much as 150,000 ounces according to Mr. DeLatre.

Caved tunnels observed at several localities indicate exploration for lode gold also, but no record of lode production is available.



Mineral and Placer Reserve.

CLAIM MAP  
EASY CREEK CLAIMS  
Scale 1:50,000

DWG. 1

CLAIMS

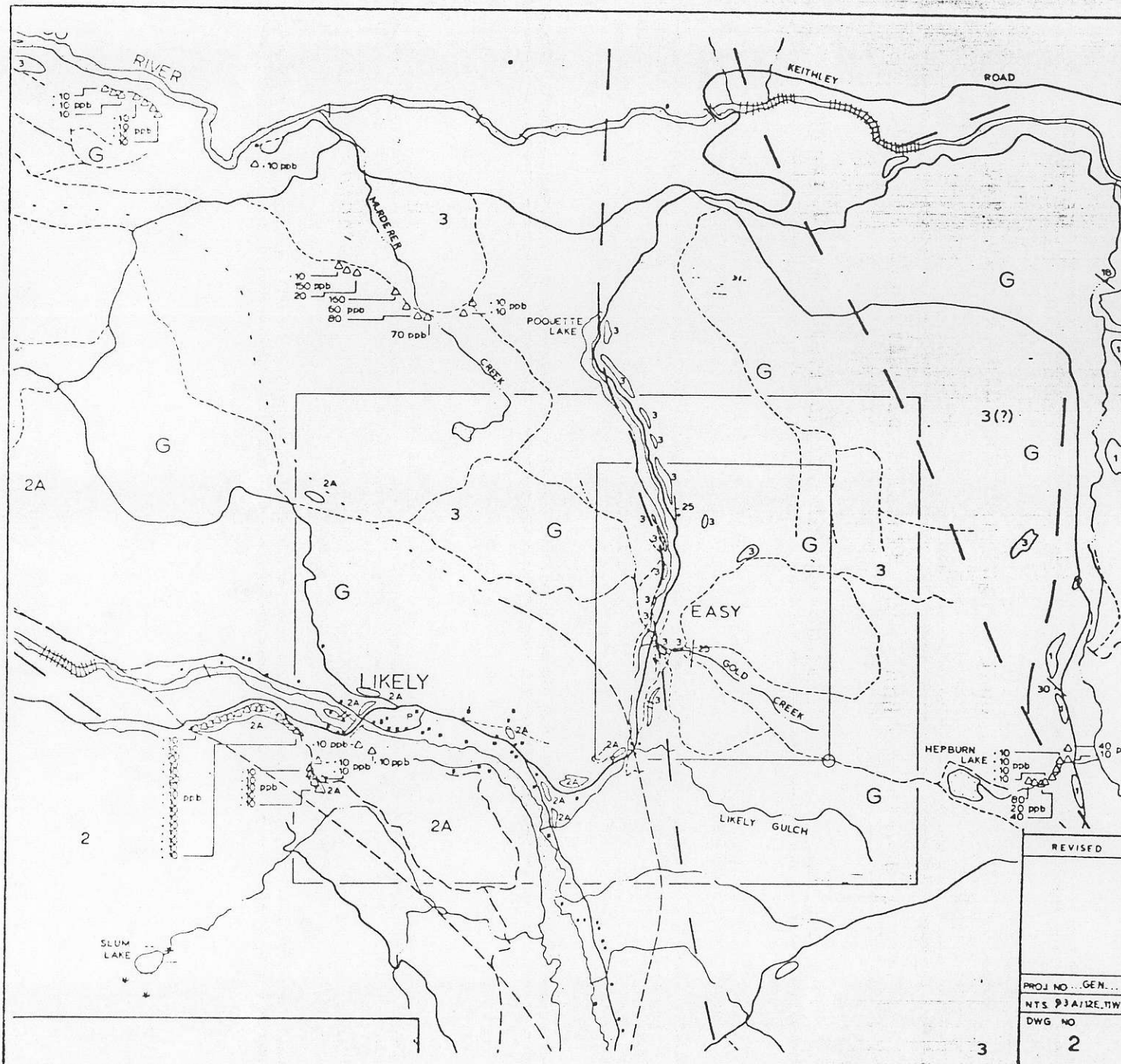
The following mineral claims are held under agreement from prospector R.E. Mickle:

Easy 1 (20 units)	Record #877	Nov. 2, 1978
Easy 2 ( 6 units)	Record 878	Nov. 2, 1978
Easy 3 (15 units)	Record 879	Nov. 2, 1978
Easy 4 (20 units)	Record 880	Nov. 2, 1978
Easy 5 ( 6 units)	Record 881	Nov. 2, 1978
Easy 6 (20 units)	Record 923	Dec. 7, 1978

Easy 4 (20 units) Record #880, Nov. 2, 1978,

was located by Mickle as agent for Silver Standard Mines.

Some portions of the claims have surface rights to others, and also mineral and placer reserves. The area of surface rights is reported to be open to access by verbal agreement, and the mineral and placer reserve is shown to be too small to affect the recommended program materially.



- QUATERNARY**
- G Glacial deposits and recent alluvium
- Middle JURASSIC(?) to CRETACEOUS(?)**
- 3 Porphyritic (augite) ANDESITIC flows, ANDESITIC TUFF, minor ARGILLITE, CHERT, CONGLOMERATE. Contains quartz veins with very minor sulfur and gold
- Upper TRIASSIC and/or Lower JURASSIC**
- 2A Polymictic cobble CONGLOMERATE, ARGILLITE, ARGILLACEOUS LIMESTONE
- 2 Pyroxene BASALT / ANDESITE flows, PUM-PEP FLOW BRECCIA
- Lower CAMBRIAN and(?) later**
- CARIBOO GP**
- 1A SNOWSHOE FM  
Sericitic QUARTZITE, Pebble CONGLOMERATE, PHYLITE, Quartz-biotite SCHIST
- 1 MIDAS FM  
Black quartzose PHYLITE, SLATE, ARGILLITE, SILTSTONE  
Contains quartz veins with minor sulfur and gold

Compiled from  
Comsol 1966, GSC Map 3-1966  
D-Latre 1978

- 2 Rock Outcrop
- 30 Bedding Attitude
- Geological Contact (approx. assumed)  
--- from aeromagnetics, in part
- Fault (approx. assumed)
- Quartz Veins
- △ 10 ppb Au Rock chip sample

REVISED	<b>LIKELY PROJECT</b> <b>GEOLOGY AND</b> <b>REGIONAL SAMPLING</b>	
PROJ NO... GEN...	SURVEY BY .....	DATE MARCH 1978
NTS DRAWING	DRAWN BY GORDON GIBSON	
DWG NO	<b>Scale 1:50,000</b> OFFICE SILVER STANDARD MINES LTD	
2		

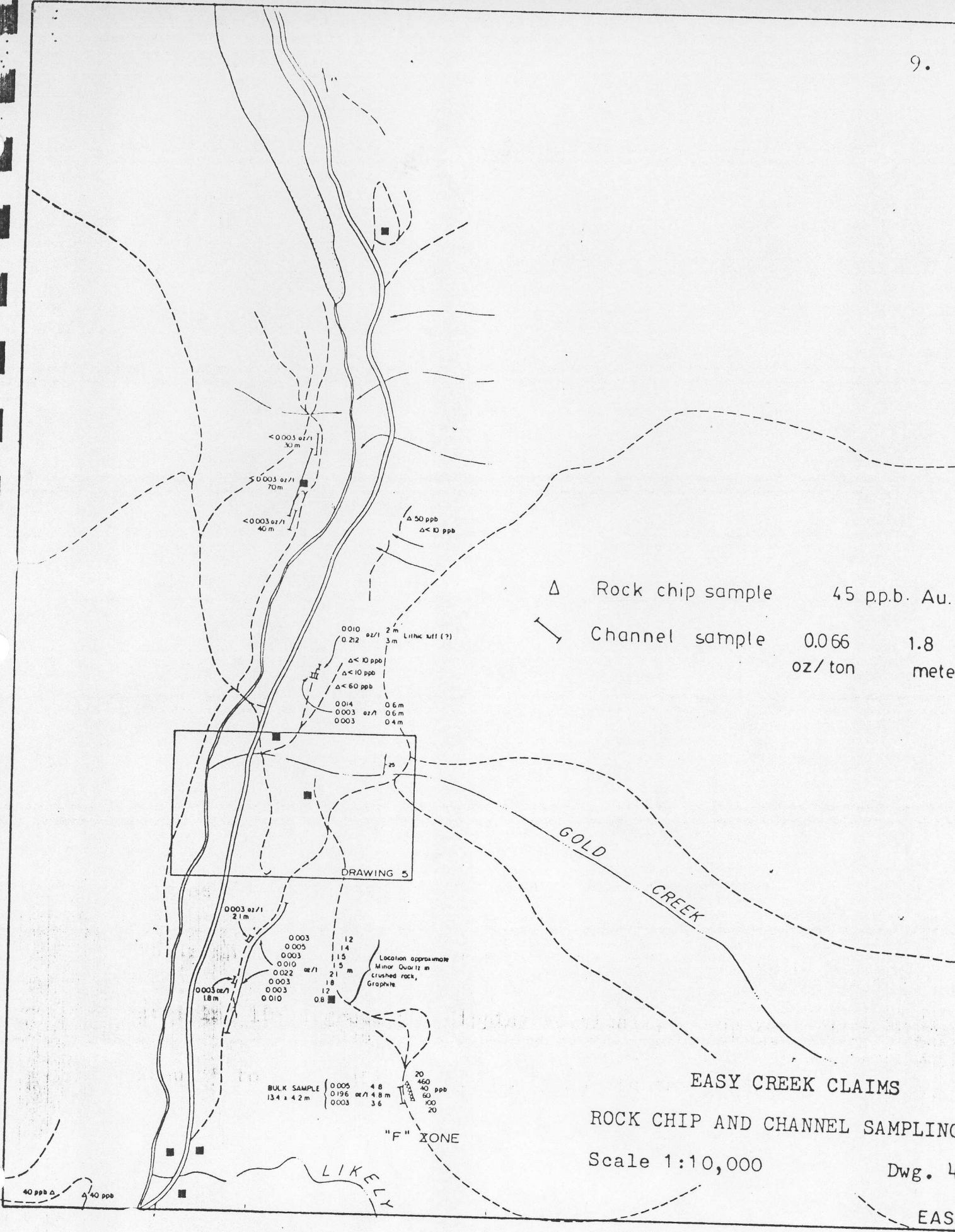


GEOLOGY

The general area is underlain by volcanic rocks with locally abundant carbonate and graphitic bands. These rocks are Triassic in age and lie on the west flank of the Cambrian 'Midas Formation' of black argillaceous rocks that are part of the main gold-bearing Cariboo series.

The Triassic volcanic rocks and Cambrian argillites appear to be interfingered in the claimed area. A number of shear zones, grouped as the Poquette fault, trend northwesterly and undoubtedly further complicate local stratigraphy that is difficult if not impossible to define.

Pebble conglomerate, thin bedded argillite and limestone, and volcanic flow breccia overlie the Triassic and Cambrian rocks.



Δ Rock chip sample      45 pp.b. Au.  
 Channel sample      0.066      1.8  
                                  oz/ton      meter

DRAWING 5

0.003 oz/1 2.1 m  
 0.003      12  
 0.005      14  
 0.003      15  
 0.010      15 m  
 0.022      21  
 0.003      18  
 0.003      12  
 0.010      0.8  
 Location approximate  
 Minor Quartz in  
 crushed rock,  
 Graphite

BULK SAMPLE      0.005      4.8  
 13.4 ± 4.2 m      0.196      oz/1 4.8 m  
                                  0.003      3.6

EASY CREEK CLAIMS

ROCK CHIP AND CHANNEL SAMPLING

Scale 1:10,000

Dwg. 4

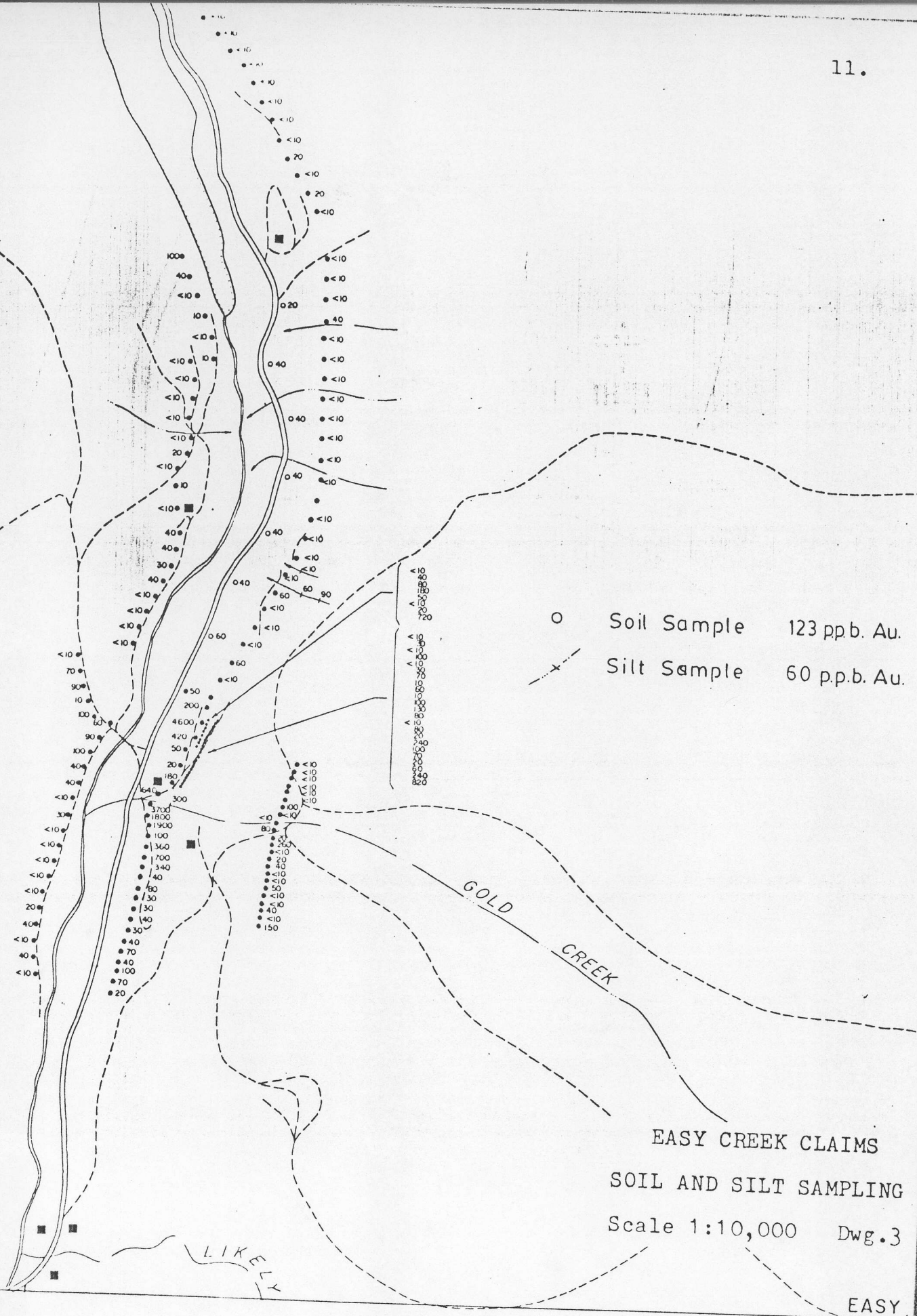
EASY

Two areas of economic interest exist within the claimed area. One in the vicinity of Gold Creek was examined and sampled by the writer with J. DeLatre, the other, west of Poquette Ck., was examined by J. DeLatre only.

Gold Creek area has numerous exposures of graphitic and carbonatized zones with rusty quartz veinlets. Most of the veinlets are in the order of 10 cm wide, discontinuous along strike, and gold-bearing locally as shown on the included assay plan. Further assay data is appended. Individual exposures are described by J. DeLatre as follows:

"A zone of discontinuous quartz veinlets runs east-west on the south side of Gold Creek. This zone has very low gold values (0.003-0.005 oz. Au/ton.

"Near the mouth of Gold Creek is a zone of quartz veinlets striking 105 degrees and dipping vertically. The zone is about 5 to 10 m. wide and 25 m. long. In this zone the quartz average is 0.076 oz. Au/ton. The altered andesite tuff has 0.003 oz. Au/ton (sample 6790)."



○ Soil Sample 123 ppb. Au.  
▲ Silt Sample 60 ppb. Au.

EASY CREEK CLAIMS

SOIL AND SILT SAMPLING

Scale 1:10,000 Dwg. 3

EASY



POQUETTE CREEK

GOLD CREEK

KEITHLEY ROAD

Abandoned Road

Road to Spanish Lake

0.037 oz./t. 1.2 m  
Quartz veinlets

0.285 0.7  
0.578 oz./t. 0.3 m  
0.064 0.1  
Quartz veinlet in creek bottom.

0.067 oz./t. 3.0 m  
0.064 0.3 m  
Quartz veinlets in carbonate, andesite

0.089 oz./t. 1.2 m

0.013 oz./t. 0.8 m  
0.014 Old tunnel?

0.118 oz./t. 2.1 m

0.162 2.1  
0.06 1.2  
0.518 oz./t. 0.1 m  
0.104 0.9  
0.112 3.3

0.066 1.2  
0.127 3.0  
0.080 oz./t. 1.8 m  
0.042 1.5  
0.036 1.8

COMPOSITE SAMPLE  
0.076 oz./t. 50 m. Quartz  
0.003 Carbonate, andesite

0.074 1.8  
0.023 oz./t. 1.8 m  
0.038 1.5  
Broken rock, minor quartz

0.035 oz./t. 1.8 m

0.095 3.0  
0.038 3.0  
0.070 oz./t. 4.5 m  
0.003 3.0  
0.034 3.0  
Gouge, broken rock with quartz

0.003 oz./t. 1.8 m  
0.005 oz./t. 1.8 m  
Broken rock

0.006 1.8  
<0.003 oz./t. 1.8 m  
0.003 3.6  
Broken rock

0.1	3.0	3.0	3.0	3.0	3.6
0.003	0.003	0.003	0.003	0.003	0.003
0.1	3.0	3.0	3.0	3.0	3.6
0.003	0.003	0.003	0.003	0.003	0.003
0.1	3.0	3.0	3.0	3.0	3.6
0.003	0.003	0.003	0.003	0.003	0.003
0.1	3.0	3.0	3.0	3.0	3.6
0.003	0.003	0.003	0.003	0.003	0.003
0.1	3.0	3.0	3.0	3.0	3.6
0.003	0.003	0.003	0.003	0.003	0.003

Quartz - carbonate-sphalerite in altered andesite  
Gouge Graphite  
Broken rock Gouge, 20% (?) quartz  
Broken quartz Graphite, limonite

Scale 1:1200, or 1 inch=100feet

REVISED

LIKELY PROJECT

CHANNEL SAMPLING  
LOWER GOLD CREEK

PROJ No	GEN	SURVEY BY	DATE	MARCH 1970
NTS	9/5/70	DRAWN BY		
DWG No	5			

OFFICE SILVER STANDARD MINES LTD.

"The andesite is weathered and poorly exposed 150 m. south of Gold Creek. The quartz (very scarce) assays 0.036 oz. Au/ton and the weathered andesite 0.003 Au. oz./ton."

"Shears with very minor quartz in altered andesite are exposed for 250 m. along Road 1300 (400 m. south of Lower Gold Creek). Assays of selective samples across 0.75 to 2.10 m. sections (S8-9 and P 4) give 0.003 to 0.02 oz. Au/ton."

"On the Sawmill Road, about 800 m. NNW of Gold Creek, is a 'corrugated' zone of propylite at least 300 m. wide.

Samples of propylite and a sample of the quartz veins all assay 0.003 oz. Au/ton or less.

"About 350 to 400 m. north of Lower Gold Creek, along an old bushroad, are a number of small exposures of weathered, broken andesite tuffs. At locality 4 N a chip sample across 3 m. assays 0.212 oz. Au/ton. Contamination is probable as the rock is directly under the soil. As this zone is poorly exposed, blasting in order to sample fresh material could be considered."

"It is to note that only the oxidized surface material has been sampled and is liable to have an enrichment of free gold. Despite this, material sampling is extremely low (0.003 oz. Au/ton) and material sampling (quartz-andesite) shows that it is a gold quartz veins situation of no economic possibility (0.036 to 0.076 oz. Au/ton)."

"Exposures are scarce on the rest of the claim as they are limited to the valleys and road cuts."

"Easy 2 is reported by R. Mickle to have some exposures of tuffs and granitic rocks (north of Hepburn Lake).

"Easy 3 is apparently all glacial drift.


"Easy 4 is virtually all overburden. The south half is underlain by sedimentary and mafic volcanic rocks of Unit

2A which is unfavourable for gold. The same applies to

Easy 5

ADDENDUM

Continued exploration in early May, 1979, reveals that an intrusion exists on the west side of Poquette Creek. 'Of interest is the occurrence of minor amounts of sulphide, i.e. galena, chalcopyrite, arsenopyrite? in rock proximal to the intrusive; and of the widespread occurrence of disseminated pyrite and pyrrhotite in the general area particularly in acid to intermediate volcanics.' This advice, by engineer R.W. Beaton, provides a further favorable factor to the recommendations provided herewith.



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R.H. SERAPHIM, Ph.D., P.Eng.

May 23, 1979.



APPENDIX -- Widths in feet and Assays in oz. gold per ton

- 18730 - 4' channel - don't expect it to have anything (1000' from showings), tiny quartz stringers in a crushed zone. (.003)
- 18731 - 4.5' channel - centre crush zone, dark rust. (.005)
- 18732 - 5' channel - the north end of crush zone - limonite stained. (.003)
- 18733 - 5' channel, sheared with quartz stringers, 10' south of previous samples. (.010)
- 18734 - 7' channel, quartz stringers with pyrite - dark chocolate brown, 3' south of previous sample. (.022)
- 18735 - 6' channel - rusty fault with minor quartz stringers 75' south of #34 sample. (.003)
- 18736 - 4' channel - shear zone with tiny quartz stringers 40' south of sample #35. (.003)
- 18737 - 2.5' - 3-1" rusty quartz veins. (.010)
- \* 18737 - 1' channel - shear containing 3 small quartz stringers, rusty - yields a good pan of gold colors (north side). (.578)
- 18739 - vuggy agglomerate with tiny quartz veins - cave from old adit, south side of creek. (.014)
- \* 18740 - 1' sample across shear with quartz - some colors. (.084)
- 18741 - grab - road cut - grey rhyolite containing dark lines with some mariposite and pyrite & dark lines of an unidentified mineral. (.018)
- 18742 - picked sample, specimen of greenstone in road cut contain minor chalcopyrite. (.003)
- 18743 - 12' channel comes from Peso claim, Spanish Mountain sheared leached volcanic (north west end). (.032)
- 18744 - Peso grab sample, lots of large crystals. (.030)
- \* 18745 - 10' chip - Peso claim - schisty black volcanic leached with pyrite vugs - silicified. (.172)

18746 - Grab from Peso - rusty,  $\frac{1}{2}$  leached mariposite near the vein, west of the cabin. (.005)

18747 - fine black shale from a dozer cut above the adit - no quartz - can pan free gold. (.010)

\* 18748 - 5' channel (back on Easy) - ancient road cut south of showings - sometimes pan quite a few colors - 500' from Creek - rusty rotten bedrock containing several quartz stringers. (.038)

18749 - 10' of rotten crushed bedrock containing quartz stringers. (.003)

18750 - 10' channel - crushed rotten bedrock (samples 18748, 18749, 18750 adjoin). (.034)

5125 - Silt, mouth of Easy Creek.

5126 - (back on road cut) - 6' of crushed bedrock. (.005)

5127 - 12' of crushed rotten bedrock. (.003)

5128 - Silt from small creek south of Easy Creek. (.024)

5129 - 5' - 2nd cut up old road - across stringers - good gold in pan. (not reported)

5130 - 8' channel - don't expect anything? mill zone, west of valley. (.010)

5131 - 7' of rusty crushed zone with stringers of quartz - part of mill zone, no gold in pan. (.005)

\* 5132 - 5' channel - left hand side of old cut - contains rusty quartz stringers - should be gold. Main showing. (.042)

\* 5133 - 6' channel - should be gold in it. Contiguous to 5132 (11" total). (.036)

5134 - 4" vein near southeast side of pit -  $\frac{1}{2}$ " quartz - rest is red gouge - separated from 5133 by horse of rhyolite. (.518)

\* 5135 - 3' channel - old trench 50' above East pit - contains 10 quartz stringers, few crystals galena - expect gold. Width limited by lack of exposure to south. (.104)

5136 - Silt sample at property line (east side of Lot 393 in Easy Creek).

5137 - 5' channel - top of bench - crushed black zone - dark rusty casts, colors of gold - approximately 500' from first showing - separate N/S ? shear. (not reported)

5138 - 7' channel - Easy bench - change in rock - gold in it. Adjoined to 5137 (12' total). (.003)

5139 - 6" - Outcrop on bench -  $\frac{1}{2}$ " quartz vein - pyrite, quartz vein hard, chalcopyrite and pale green sphalerite fresh rhyolite. (.003)

5140 -  $\frac{1}{2}$ " pyrite cubes - Spanish Mountain - to check pyrite for Au. (not reported)

5141 - grab of barren looking quartz from a trench of black shale on Spanish Mountain. (.438)