

4632

GEOLOGICAL REPORT

on the

SILVER RANCH GROUP (Map 82 F-14E)

SLOCAN M.D.

for

W. J. GRANT

808 GORE ST.,

NELSON, B. C.

by

A. M. GERUN, B.Sc.,

Field Geologist.

Sept. 20, 1973.

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 4632 MAP.....

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MAPS

- #1 Property Location map
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SUMMARY:

The Silver Ranch Group of 8 claims is located about 10 mis. East of the Slocan-NewDenver highway near the headwaters of Enterprise Creek. The property is an old one on which some work was done many years ago but reports on it are scarce or non-existent.

Surface and underground mapping and sampling was completed in Sept. 1973. Samples from underground and surface totaled 7 with the highest assay being 0.18 oz./ton gold and 53.9 oz./ton silver.

The main showing consists of a quartz vein mineralized with pyrite sphalarite and galena which carries sufficient grade and size as to warrant continued exploration.

It is recommended that surface trenching, and sampling, prospecting, and a geochemical survey be carried out to delineate the shear zone, and ore shoots.

The cost is roughly estimated at \$12,430.00.

INTRODUCTION

This geological mapping and sampling was done at the request of W.J. Grant. The property was visited by the writer, Aug. 23rd, Sept. 13th., and Sept. 19th. 1973.

A total of 7 samples were collected during that period. All samples were collected by the writer.

Two adits were mapped and a surface area of 3600 ft. by 2000ft. was examined and mapped.

The data from this field examination and the assays for gold and silver, form the basis for this report.

The assays were done by Crest Laboratories of Vancouver, B.C., and the assay results plotted on the included maps at the locations of sampling.

PROPERTY AND OWNERSHIP

The property consists of 8 full size located mineral claims that are contiguous which cover the Eastern slope of Boomerang Mountain.

All 8 claims are owned by Mr. W.J. Grant, of Nelson, B.C.

These claims are recorded under the following claim tag & record nos.

<u>CLAIM NAME</u>	<u>TAG NUMBER</u>	<u>RECORD NUMBER</u>
Silver Ranch# 1	958124	16598
Silver Ranch #2	958125	16599
Silver Ranch #3	958126	16600
Silver Ranch #4	958127	16601
Silver Ranch #5	958128	16602
Silver Ranch #6	958132	16603
Silver Ranch #7	958129	16604
Silver Ranch #8	958133	16605

GEOLOGY:

The Silver Ranch claim group is in a region of Nelson granite, that is part of the Nelson batholith. On these claims, the Nelson granite is a coarse grained grey rock, that contains white to flesh colored phenocrysts, of alkali feldspar. These feldspars measure up to 3" in length. In some areas the granite is highly siliceous and numerous quartz veins occur. One such area of siliceous granite was mapped in the Northwest section of the mapped area.

Large inclusions of fine grained diorite were observed in the cliff wall Northeast of the workings. These inclusions are angular and measure up to 70^{ft} in size.

Several strong faults were observed in the area which generally strike North and are steeply dipping. The fault material was found to contain crushed and altered granite. This altered material was found to include chlorite, kaolinite, and minor pyrite.

The workings occupy a shear zone that strikes North 05° East and dips to the East at 50°. This shear zone varies from 15' to 30' in width and has been traced for 1500' to the North where it is lost under a talus slide. Within this shear zone several quartz veins and stringers, some mineralized, were observed. The granite within this shear zone has been altered and this alteration has extended a short distance into the wall rocks. Alteration minerals include quartz, chlorite and pyrite. Quartz being the most abundant. The mineralization consisting of galena, sphalarite and pyrite occurs across narrow widths with the quartz veins.

GEOLOGY continued:

Two adits have been driven Northerly, along a vein in the shear zone. The top adit is at an elevation of 6,845 ' and has been driven Northerly for a distance of 80 ' on the footwall side of the shear zone. At the face of this tunnel the vein measures 15" in width and at other points the vein is between 12 and 15".

The lower adit is at an elevation of 6780' and has been driven Northerly for a distance of 130' on the hanging wall of the shear zone. The mineralized portion of the vein here averages about 6" in width.

SAMPLING:

Seven samples were taken from the locations shown on the maps 2 and 3. All samples were assayed for gold and silver by Crest Laboratories Ltd., with the following results:

MAP No.2

<u>Sample No.</u>	<u>Tag No.</u>	<u>Gold(oz./ton)</u>	<u>Silver(oz./ton)</u>
1.	395040	0.09	0.7
2.	395050	0.02	0.4
3.	395060	0.18	53.9

MAP No.3

4.	62961	0.16	3.6
5.	62962	trace	trace
6.	62963	0.04	5.0
7.	62964	trace	0.3

SAMPLING Cont'd:

Details of the sampling are as follows:

Sample No.

1. ----Float in slide North of the crest of the hill.
2. ---Grab sample from pit just South of the crest of hill.
3. ---Combination of grab samples from cut between adits.
4. ---3 channel samples combined across 12" to 15" of vein in top adit at face, 15' from face and 30' from face.
5. ---channel sample across 3' of footwall of vein at the face of the top adit.
6. ---2 channel samples combined across 6" to 8" of vein in the lower adit, 30' and 50' from the face.
7. ----chip sample across 6' of hanging wall above portal of bottom adit.

CONCLUSIONS:

- (a) The fact that the mineralized shear zone extends for a length of 1500' and that a good portion of the vein lies under overburden makes the area worthy of further exploration.
- (b) Exploration efforts should be directed towards enlarging the known limit of the deposit and proving continuity and values to depth.
- (c) Further sampling should be done to determine the size and grade of the ore shoot exposed in the cut between the top and bottom adits.

RECOMMENDATIONS:

In accordance with the foregoing discussion and conclusions it is recommended:

1. That 10 surface trenches and sampling of the shear zone be done on 100' intervals between the top adit and the pit near the crest of the hill.
2. That 4 surface trenches and sampling of the shear zone and vein be done, to the south of the workings at 100' intervals.
3. That additional trenching and sampling of the shear zone, be done in response to the results of the 100' interval trenching.
4. That a geochemical survey be done in the area North of the location where the shear zone disappears beneath the talus slide and overburden.
5. That the area be prospected just North of Sir Robert Smith Mt.
6. That channel sampling of the cut near the portal and in the adits be done at 10' intervals to determine the length and grade of mineralization exposed there.

COSTS:

Costs cannot be closely estimated at present. However, on the basis of 14 surface trenches, prospecting, sampling, and a geochemical survey covering a claim size area in dimensions, the costs would be:

Surface trenching: 14 trenches @ \$400-----	\$5,600.00
Prospecting:.....	\$3,000.00
Engineering, supervision, etc.	\$2,000.00
Geochemical Survey:	\$ 500.00
Miscellaneous and Contingencies	\$1,130.00
Total-----	<u>\$12,430.00</u>

ATTACHMENTS:

- Appendix A: Certificate
- Appendix B: Certificate of Assay 1
Certificate of Assay 2
- Appendix C: Map 1---Property Location
Map 1" = *4 miles*
Map 2---Surface Geological
Map 1" = 300'
Map 3---Underground Map
Map 1" = 40'
- Appendix D: Evaluation of Work
in preparing this report.


CERTIFICATE

I, ALVIN MICHAEL GERUN, of Nelson, British Columbia, Canada,

HEREBY CERTIFY:

1. That I am a Geologist, residing at 420 Second St., Nelson, B.C. with an office at the same address.
2. That I graduated with a B.Sc. degree in Geology from the University of British Columbia in 1967.
3. That since graduation I have practised my profession as a Geologist in British Columbia and have worked for Newmont Mining Corp., Giant Mascot Mines, and Serem Ltd.
4. The accompanying report on the Silver Ranch Group was prepared by me, and this report is based on personal knowledge of the area.
5. That I have no interest, either directly or indirectly, nor do I expect to receive any interest, in the property covered in this report.

DATED this 20th day of September, 1973, at Nelson, B.C.



A . M. Gerun, B.Sc.

Geologist.

CREST LABORATORIES (B.C.) LTD.1068 HOMER STREET
VANCOUVER 3, B.C.
PHONE 688-8586**CERTIFICATE OF ASSAY**TO Gerun Enterprises Ltd.

September 14, 1973

420 - 2nd Street

Lab 5196

NELSON, B.C.

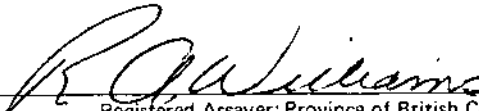
cc Mr. D. Porteous

I hereby certify THAT THE FOLLOWING ARE THE RESULTS OF ASSAYS MADE BY US UPON THE HEREIN DESCRIBED SAMPLES.

MARKED	GOLD		SILVER									
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
4 - 62961	0.16		3.6									
5 - 62962	trace		trace									
6 - 62963	0.04		5.0									
7 - 62964	trace		0.3									

NOTE:Rejects Retained One Month
Pulps Retained Three Months
Unless Otherwise Arranged.

Gold calculated at \$ per ounce



Registered Assayer; Province of British Columbia

CREST LABORATORIES (B.C.) LTD.1088 HOMER STREET
VANCOUVER 3, B.C.
PHONE 688-8586**CERTIFICATE OF ASSAY**TO Gerun Enterprises Ltd.

October 4, 1973

420 2nd St.

Lab. 5253

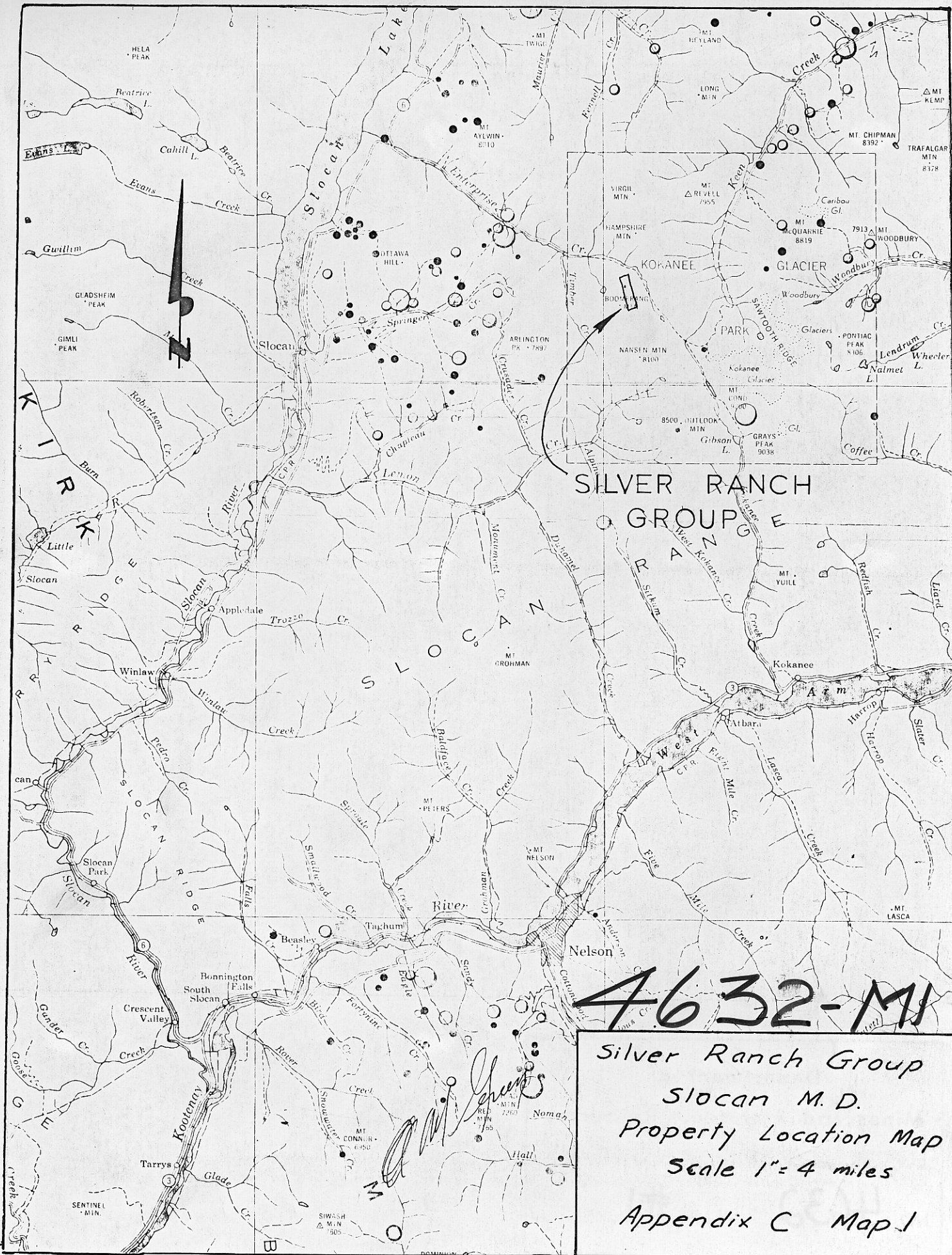
NELSON, B.C.**I hereby certify** THAT THE FOLLOWING ARE THE RESULTS OF ASSAYS MADE BY US UPON THE HEREIN DESCRIBED SAMPLES.

MARKED	GOLD		SILVER									
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
① — 39504 C	0.09		0.7									
② — 39505 C	0.02		0.4									
③ — 39506 C	0.18		53.9									

NOTE:Rejects Retained One Month
Pulps Retained Three Months
Unless Otherwise Arranged.

Gold calculated at \$ per ounce

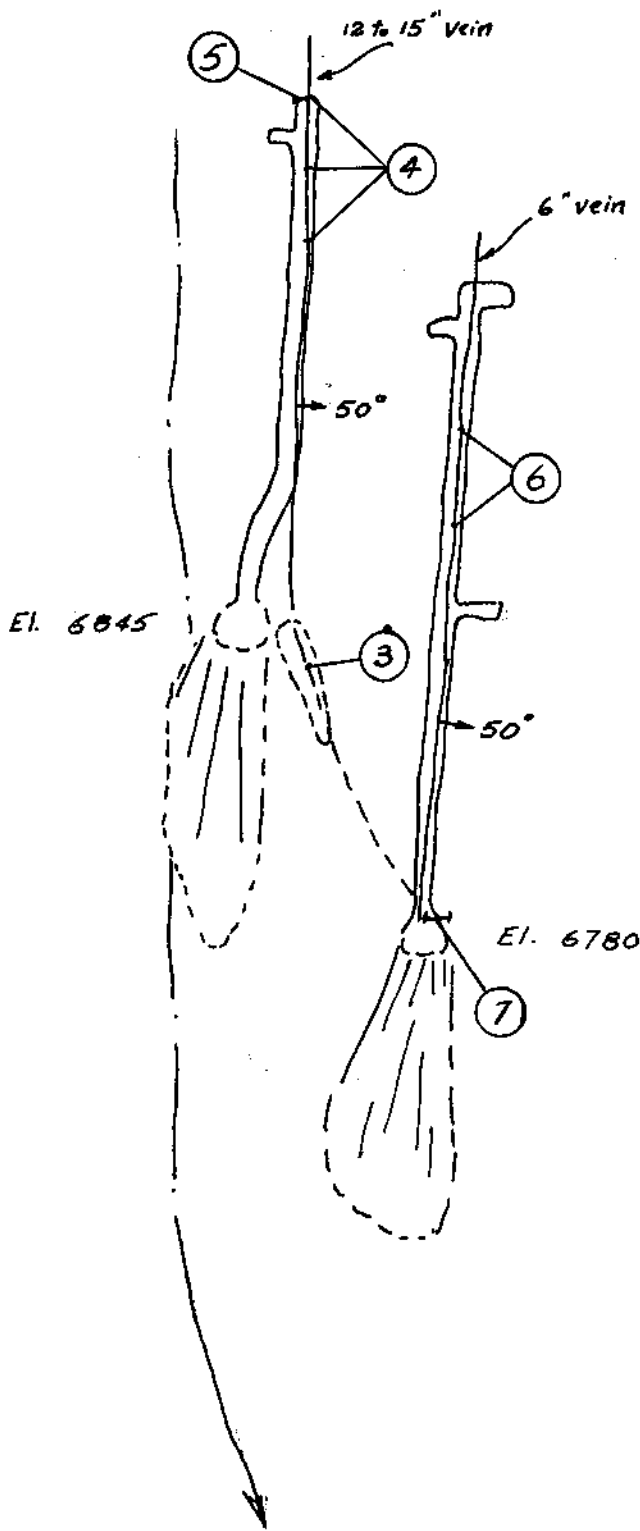
R. A. Williams
Registered Assayer; Province of British Columbia



SILVER RANCH
GROUP

4632-MI
 Silver Ranch Group
 Slocan M.D.
 Property Location Map
 Scale 1" = 4 miles
 Appendix C Map 1

Appendix C



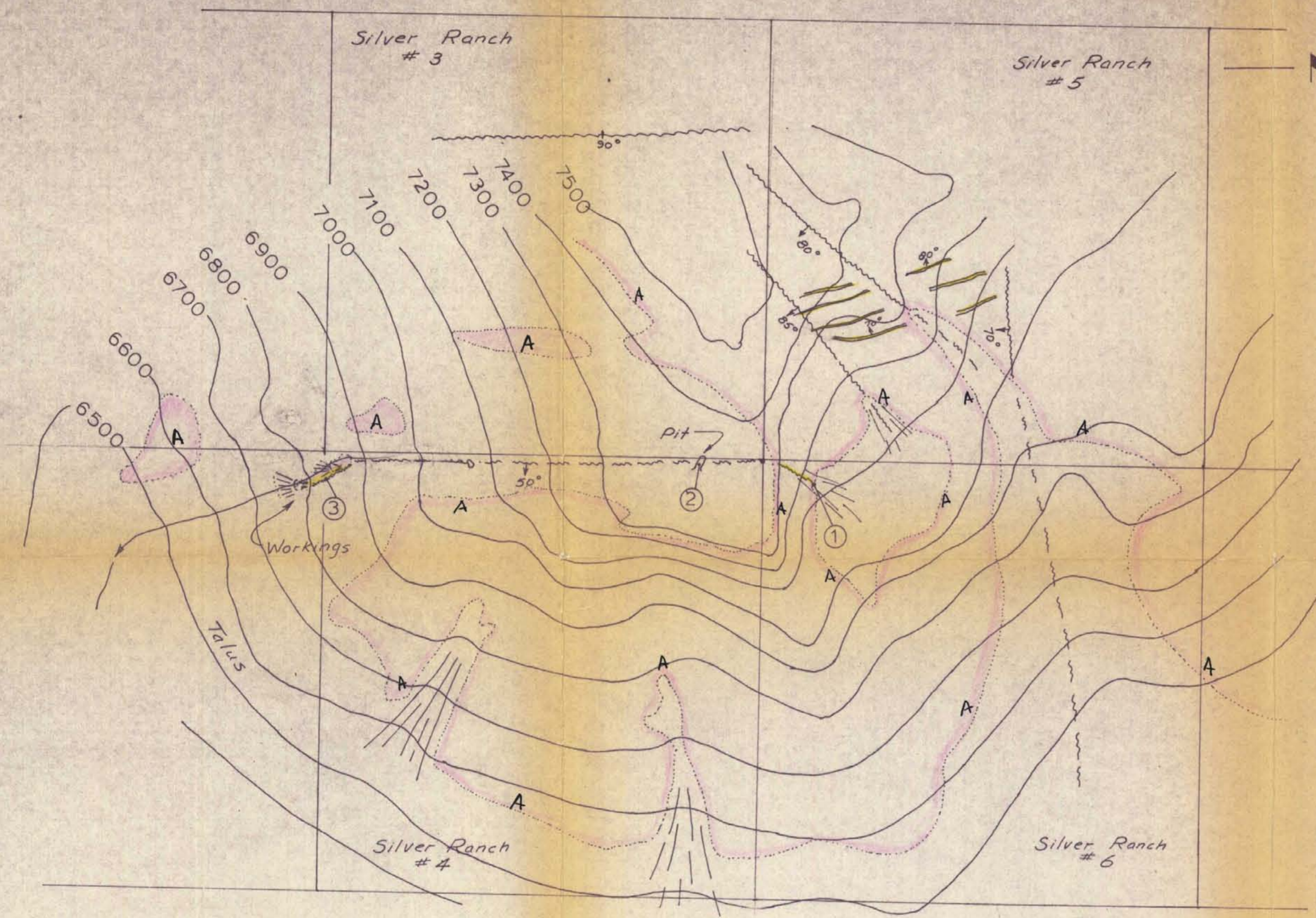
Both adits are in altered porphyritic Nelson Granite

Sample No	Au ^{oz} / _{ton}	Ag ^{oz} / _{ton}
3	0.18	53.9
4	0.16	3.6
5	Tr	Tr
6	0.04	5.0
7	Tr	0.3

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MAP No. 3
Silver Ranch Group
Assay Plan

Scale: 1" = 40'
Drawn: A.M. Gerun
Date: Sept. 1973



LEGEND

- A Porphyritic Nelson Granite
- ~ Faults and Shears
- Quartz Vein
- ① Sample Location & Number

Assays

Sample No	Au oz/ton	Ag oz/ton
1	0.09	0.7
2	0.02	0.04
3	0.18	53.9

GEOLOGY MAP

SILVER RANCH CLAIM GROUP
ENTERPRISE CREEK SLOCAN MD.

Drawn by: A. Gerun
Scale: 1" = 300'
Date: Sept. 1973

Appendix C
Map No. 2

4632-M2