

Drilling Report

Silver Butte Property

(Big Missouri, Winer, Packers Fraction, Winer Fraction and Sarah 1 Claims)

Skeena Mining Division

NTS 104 B/1E

by Garnet L. Dawson
Paul J. McGuigan

Operator: Esso Resources Canada Limited
Esso Minerals Canada
600-1281 West Georgia St.
Vancouver B.C.

Owner: Consolidated Silver Butte Mines Limited
705-850 W. Hastings St
Vancouver B.C.

March 24, 1982

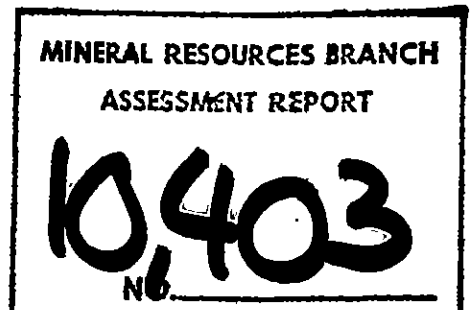


TABLE OF CONTENTS

	Page
A. INTRODUCTION	...1
B. HISTORY	...2
C. WORK DONE IN 1981	...3
1.) Drill site preparation and trail building	
2.) Drilling	
D. SUMMARY AND CONCLUSIONS	...4

LIST OF MAPS AND FIGURES

FIGURE 1	Location Map
FIGURE 2	Sketch of Claims
MAP 3	Trench 2 Location Map
MAP 4	Trench 2 Cross-Section
MAP 5	Trench 2 Geology and Assay Map

APPENDIX

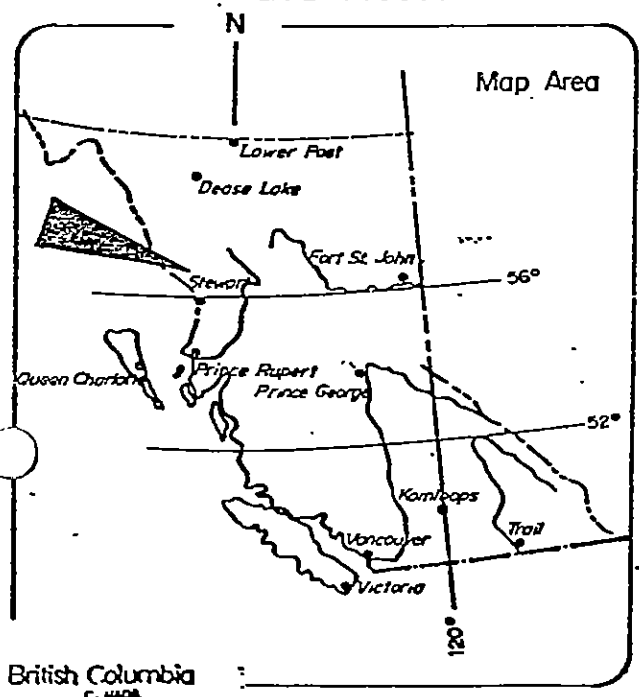
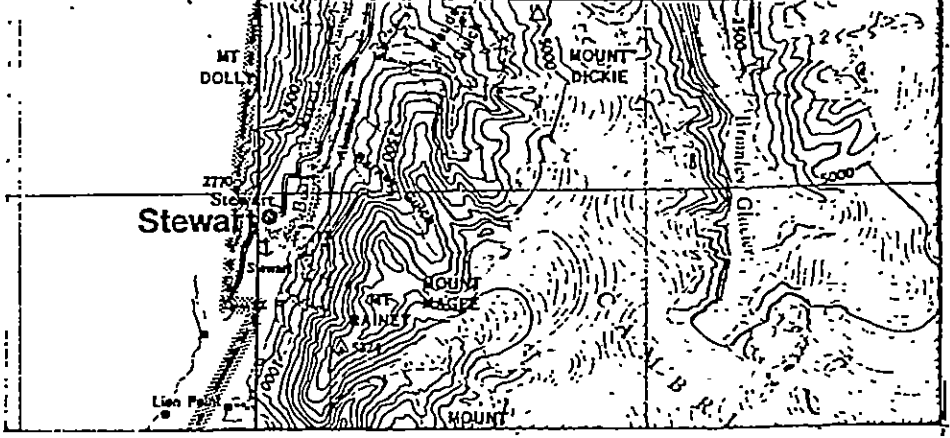
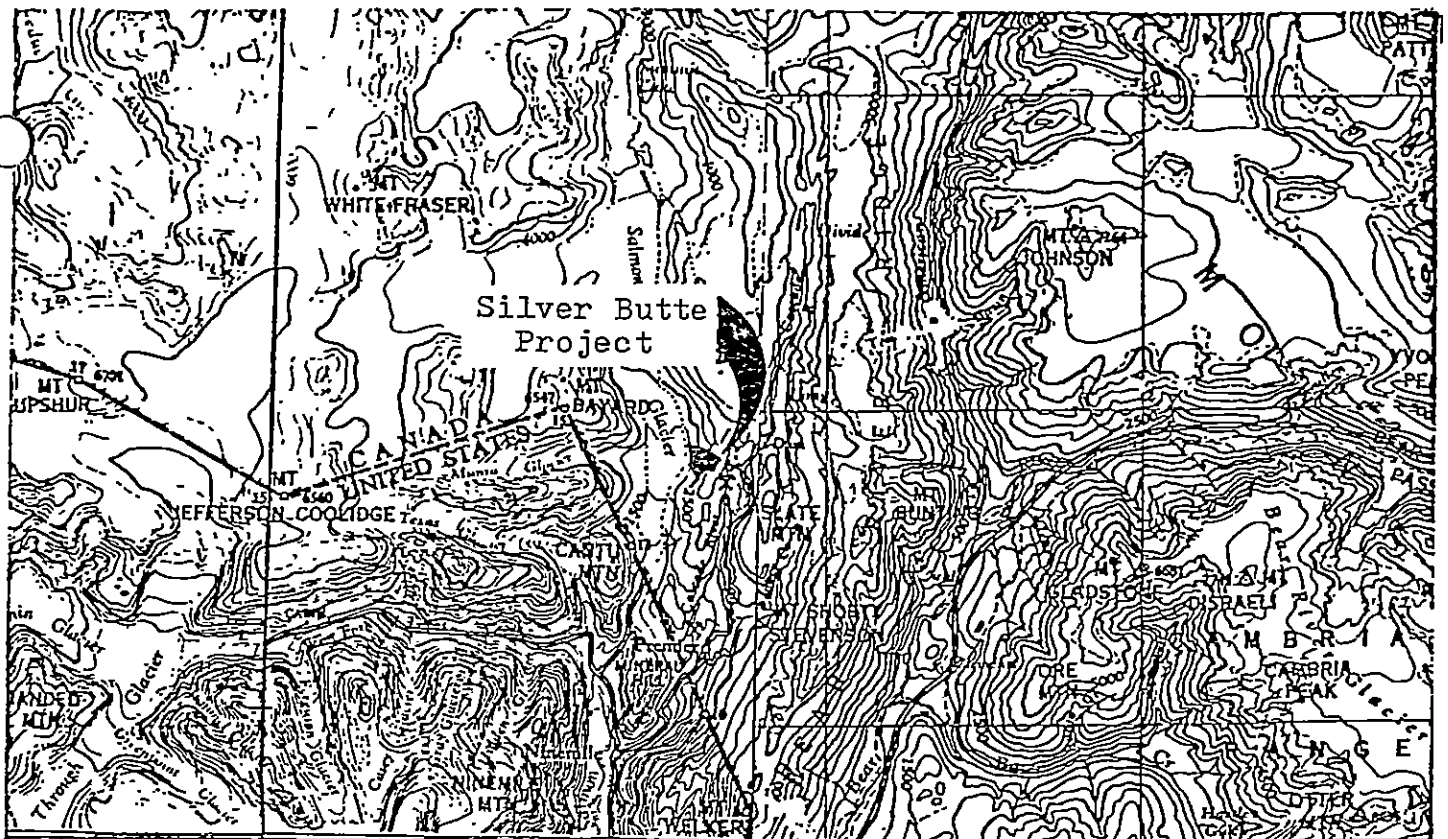
APPENDIX 1	Drill logs
APPENDIX 2	Itemized Cost Statement
APPENDIX 3	Statement of Qualifications
APPENDIX 4	Statement of Qualifications

F. A. INTRODUCTION

The claim area may be reached by a gravel surfaced road which runs between Stewart,-B.C. and the Granduc Mine. The property is at 11 1/2 mile on the Granduc road, approximately 25 kilometers from Stewart. (See Figure 1)

The property lies on the western flank and top of the Big Missouri ridge. Most of the property slopes between 30°-60° to the west. A thin layer of talus and overburden cover most of the property, except for the large scarps on the Big Missouri claim, outcrops are generally sparse.

The property consists of three reverted Crown Grants, the Winer (L3212), Big Missouri (L3217) and Packers Fraction (L5540), plus the Sarah 1 claim (12 units). The property is owned by Consolidated Silver Butte Mines Limited and is under option to Esso Resources Canada Limited as of August 20, 1980. (See Figure 2).

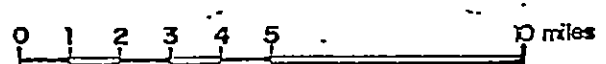


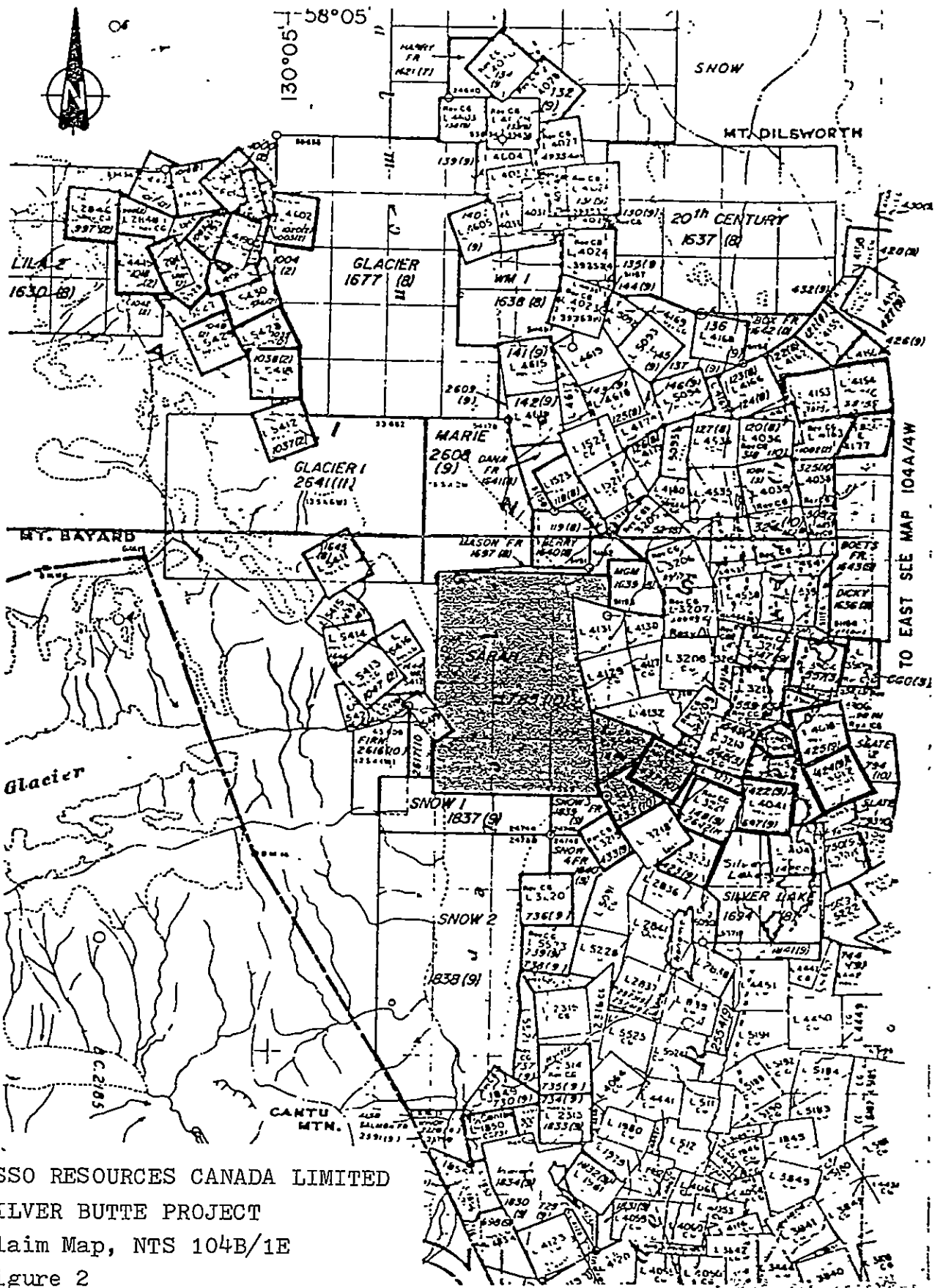
ESSO MINERALS CANADA

Silver Butte Project, Near Stewart,
B.C., Skeena Mining Division.
N.T.S. 104-A and 104-B.

Figure 1
Location Map

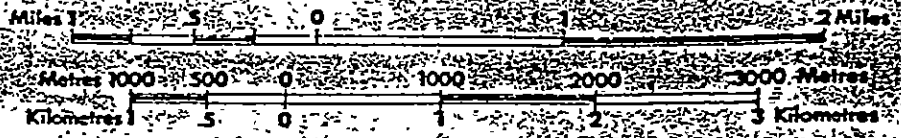
Scale: 1 to 250,000 or 1 inch equals approx. 4 miles.





ESSO RESOURCES CANADA LIMITED
 SILVER BUTTE PROJECT
 Claim Map, NTS 104B/1E
 Figure 2

LEGEND
 CROWN-GRANTED MINERAL CLAIM
 REVERTED C.O. MINERAL CLAIM
 FORFEITED MINERAL CLAIM
 VERIFIED LEGAL CORNER POST
 LEGAL SURVEY
 LEGAL CORNER POST & TAG NUMBER



B. HISTORY

There has been no recorded production from the claims. A map by Buena Vista Mines Limited show limited trenching early in the 1930's on the claim block. In 1971, El Paso completed work which included a wide spaced geochemical survey over parts of the claim. In 1979, Consolidated Silver Butte Mines Limited contracted D. Cochrane to do a reconnaissance type induced polarization survey over part of the claim block.

The property includes the Big Missouri claim, but the Big Missouri Mine which produced from 1938 to 1942, lies on the Province claim (L3208). The main body of workings is 300 meters north of the Winer claim.

In the fall of 1980, Esso Resources Canada Limited completed a soil survey over portions of the Big Missouri, Packers Fraction and Winer claims, see McGuigan (1981).

C. WORK DONE IN 1981

1. Drill Site Preparation and Trail Construction

Drill site preparation involved leveling an area of ground large enough for the drill, water tank and rods. This was accomplished by drilling short blast holes, blasting, and leveling by hand. Trails were built from the drill site to the Granduc Road.

Costs of drill site preparation and trail construction have been previously reported as physical work and are not included in this report.

2. Drilling

Globe Drilling of 801-510 West Hastings St. Vancouver, was contracted to do the drilling using a Hydra - core 1 drill. Because of limited availability of drill sites, a hole was collared in a talus covered area at approximately L25, 2+50W. (See Map 8) The hole was drilled at -60 towards 260° (approximately 870 meter elevation) in B Q core to intersect mineralization of trench 2. (See Map 7)

Trench 2 is cut by a south dipping fault into a northern footwall and a southern hanging wall block (See Map 4). The fault has (30 cm) of gouge with unknown displacement. The northern footwall section exposes fine grained andesite flows, feldspar porphyritic andesite and andesite with secondary pyrite and quartz. The andesite with secondary pyrite and quartz strikes on an average to the north and dips at a high angle to the east. These rocks carried high gold, silver and base metal values. Average assay over the footwall section, based on 22 samples over a 23 meter width was:

Cu	Pb	Zn	Ag	Au
0.248%	0.40%	1.32%	1.76 oz/ton	0.176 oz/ton

The hanging wall portion of trench 2 exposes a volcanic breccia; fine grained andesite flows, with lesser sericite - silicified andesite and andesite with secondary pyrite and quartz. Assay values from this section were much lower.

At 34.5 meters the hole was still in overburden and had to be abandoned due to drilling delays and severe snow conditions. The core obtained from overburden is presently being stored at Esso Minerals Canada, Exploration Office, Stewart B.C.

D. SUMMARY AND CONCLUSIONS

1. Due to the steepness of the property, more time should be spent on drill site preparation closer to the target areas.
2. A larger drill should be contracted which would be better able to handle the overburden and faulted ground.

Bibliography

McGuigan, P.J. (1981), Geochemical Report on a Soil Survey over Portions of the Big Missouri, Winer, Packers Fraction Claims.

DEPTH (FEET) Meters	% Core Recy	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACT INTENSITY
					A	B	C	D	E	
0				overburden (large rubble and blocks of rock probably due to slope failure and faulting)						
10				- overburden, consisted mainly of quartz - feldspar porphyritic andesite and quartz - sericite altered andesite; quartz stringers throughout; 1-2% disseminated pyrite, trace galena, sphalerite and chalcophyrite.						
20	54%									
30										
				E.O.H. hole stopped in overburden.						

APPENDIX 2

Itemized Cost Statement

1)	Mobilization and demobilization of drill and crew (Vancouver - Stewart, B.C.)	\$ 3,000
2)	Drilling Footage Charges	\$ 8,112
3)	Drill Parts	\$ 2,944
4)	Room and Board, 10 days x 4 men	\$ 1,835
5)	Geologist, 10 days x \$85.00/day	<u>\$ 850</u>
	TOTAL	\$16,741

APPENDIX 3

Statement of Qualifications

I, Garnet L. Dawson, of Vancouver B.C., do hereby certify that:

- 1) I graduated with a Bachelor of Science Degree in Geology from the University of Manitoba in 1981.

- 2) I have been employed since that time as an exploration geologist in minerals by Esso Resources Canada Limited in British Columbia.

Garnet L. Dawson

Garnet L. Dawson

April 6, 1982

APPENDIX 4

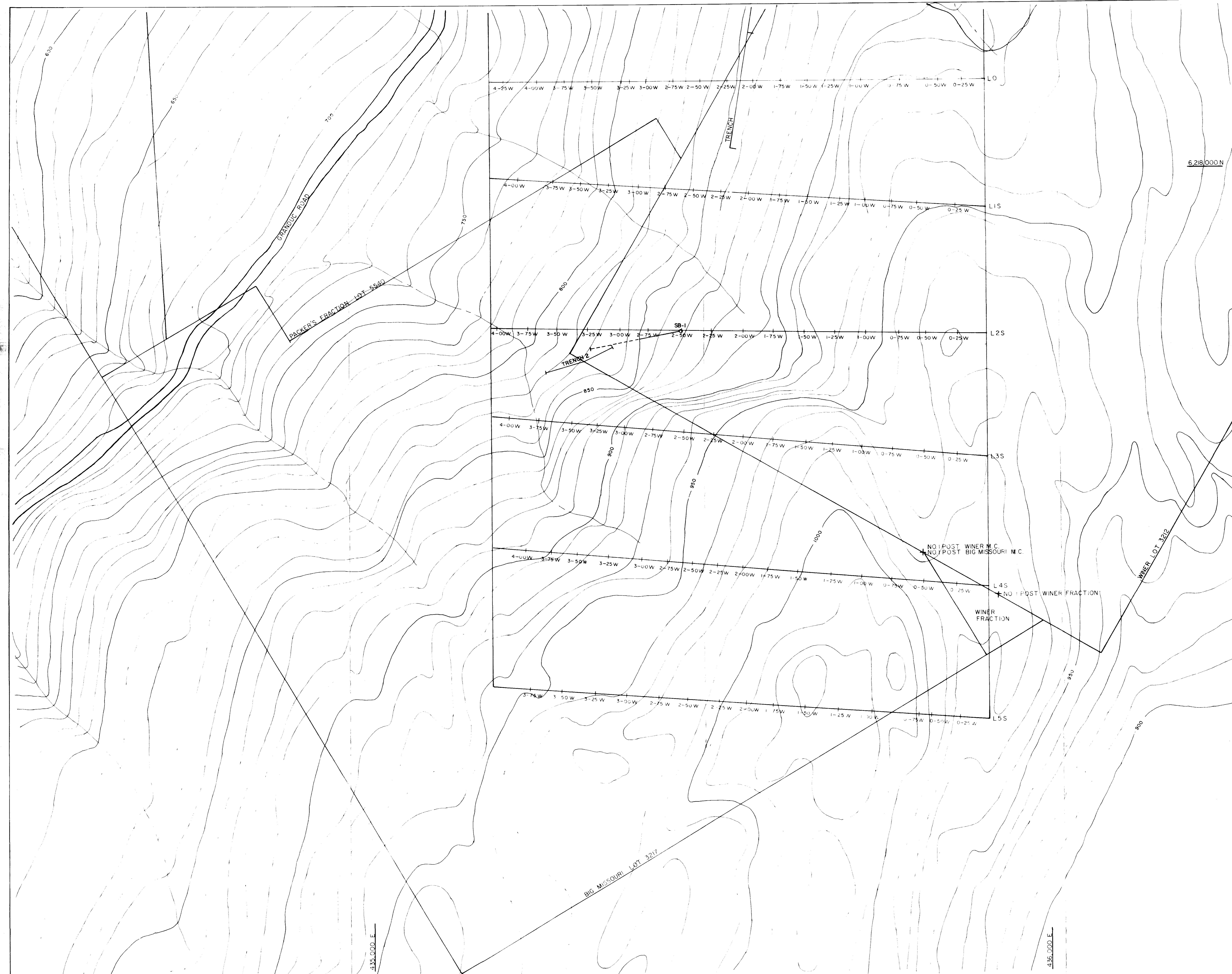
Statement of Qualifications

I, Paul J. McGuigan, of Stewart B.C., do hereby certify that:

- 1) I graduated from the University of British Columbia with a Bachelor of Science (Honours) Degree in 1974.
- 2) I have been employed since that time in minerals exploration, and since 1976 have been employed by Esso Resources Canada Limited.
- 3) The work done by Garnet Dawson as reported herein was directly supervised by me.

Paul J. McGuigan
Paul J. McGuigan

April 6, 1982



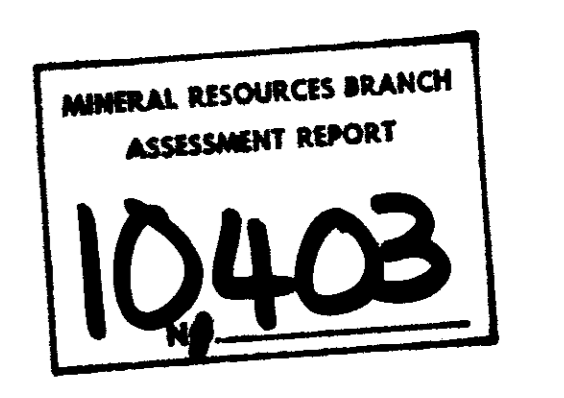
6,218,000 N



ESSO MINERALS CANADA
A DIVISION OF ESSO RESOURCES CANADA LIMITED

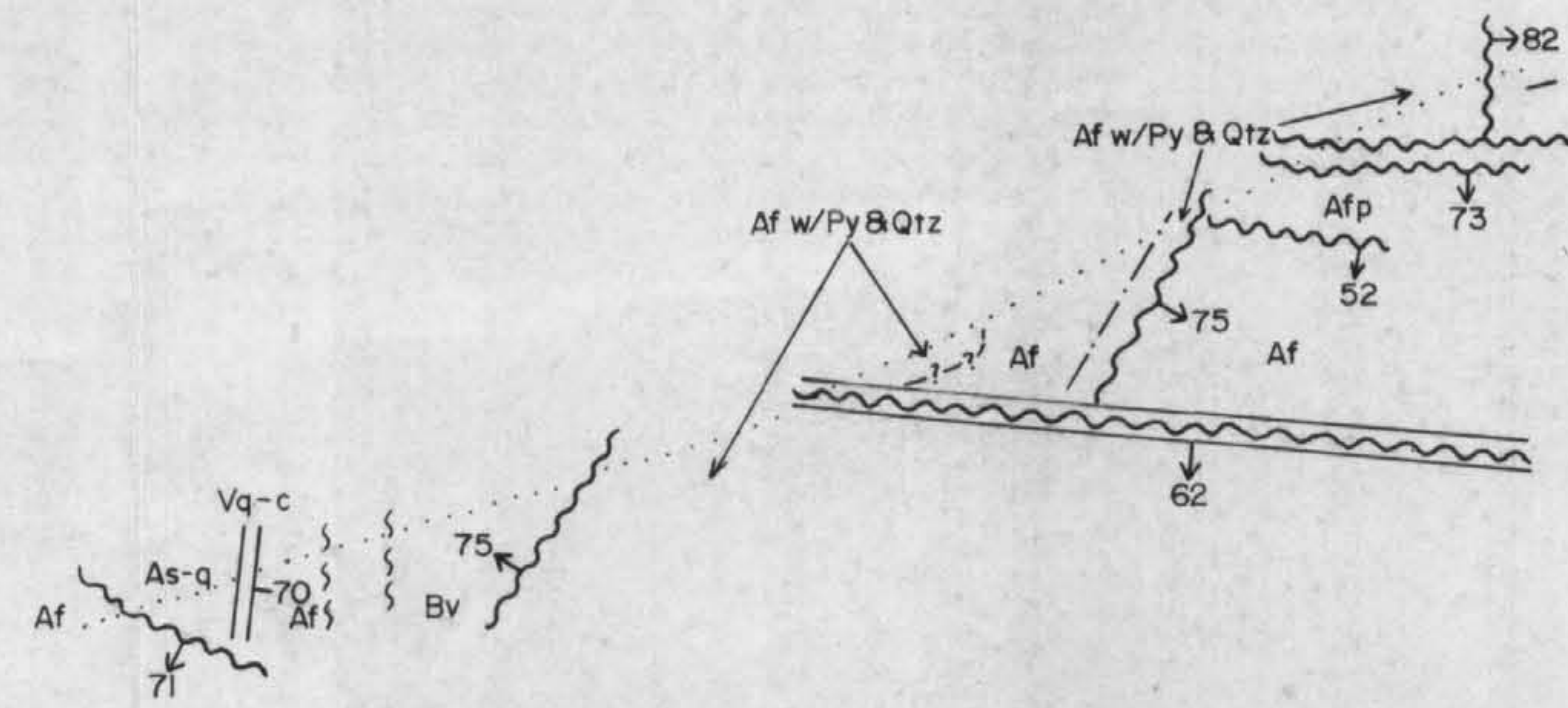
WINER PROJECT

TRENCH 2 LOCATION MAP



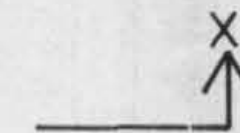
SCALE: 1:1000	N.T.S.: 104B 1E
DATE: NOV. 12, 1981	MINING DIVISION: SKEENA
DRAWN BY: G. DAWSON	MAP NO.: 3

PLAN VIEW

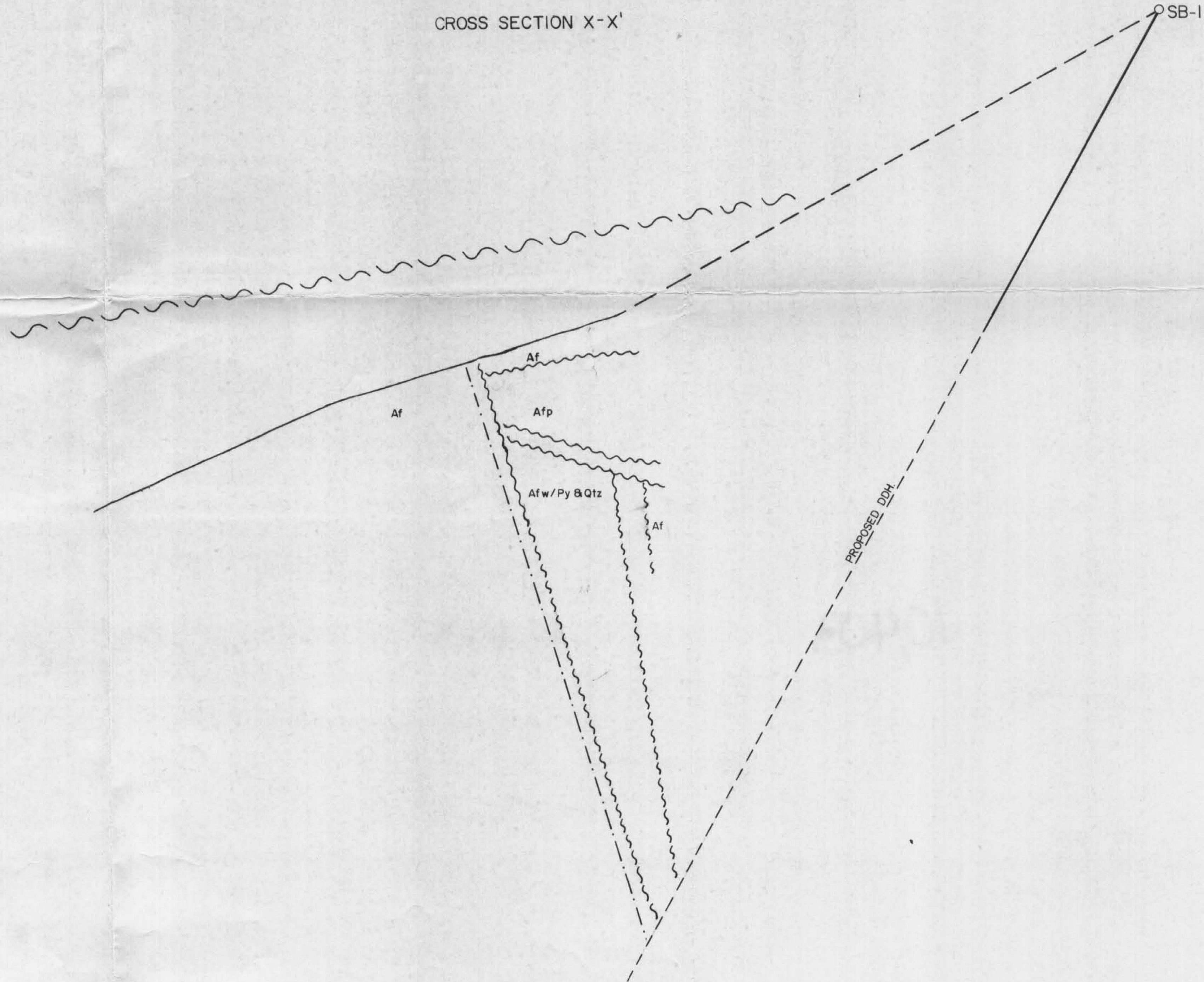


PROPOSED DDH

SB-1



CROSS SECTION X-X'



PROPOSED DDH

SB-1

WINER LEGEND	
Af w/Py & Qtz	ANDESITE w/Py AND SECONDARY QUARTZ (green aphanitic andesite flow with varying intensities of silicification, quartz veins and stringers throughout; disseminated mg. - cg. euhedral pyrite with occasional stringers)
At	ANDESITE TUFF (dark green to black eg andesite tuff)
As-q	SERICITE - SILICIFIED ALTERED ANDESITE (light green to grey sericite altered andesite with occasional quartz veins, 2% disseminated md. py., highly schistose)
Afp	FELDSPAR PORPHYRITIC ANDESITE (green aphanitic andesite containing fd. - mg. lath shaped feldspar phenocrysts, occasional quartz veins and stringers)
Af	APHANITIC - FG ANDESITE (green aphanitic - fg andesite flow with occasional quartz vein, 2% disseminated mg. euhedral py.)
wf	GREYWACKE w/VOLCANIC FRAGMENTS (black md. - cg. matrix with angular dark green andesite fragments)
A	UNDIFFERENTIATED ANDESITE
Bv	VOLCANIC BRECCIA (dark green - black andesite breccia with a argillaceous matrix)
Be-s	QUARTZ-FLOODED ANDESITE AND SULPHIDE BRECCIA (grey - black quartz matrix containing angular fragments of sulphide (mainly sphal.) and aphanitic andesite)
Vq	QUARTZ VEIN
Vq-c	QUARTZ - CHLORITE VEIN
vc	CARBONATE VEIN
fc-p	CARBONACEOUS - MANGANIFEROUS FRACTURE FILLING
GEOLOGICAL SYMBOLS	
---	ROCK OUTCROP
- - - - -	GEOLOGICAL CONTACT: DEFINED, ASSUMED, GRADATIONAL
~ ~ ~ ~ ~	BEDDING
↗ ↘	FOLIATION
⊥	FRACTURE
⊥	FAULT: DEFINED, APPROXIMATE, ASSUMED

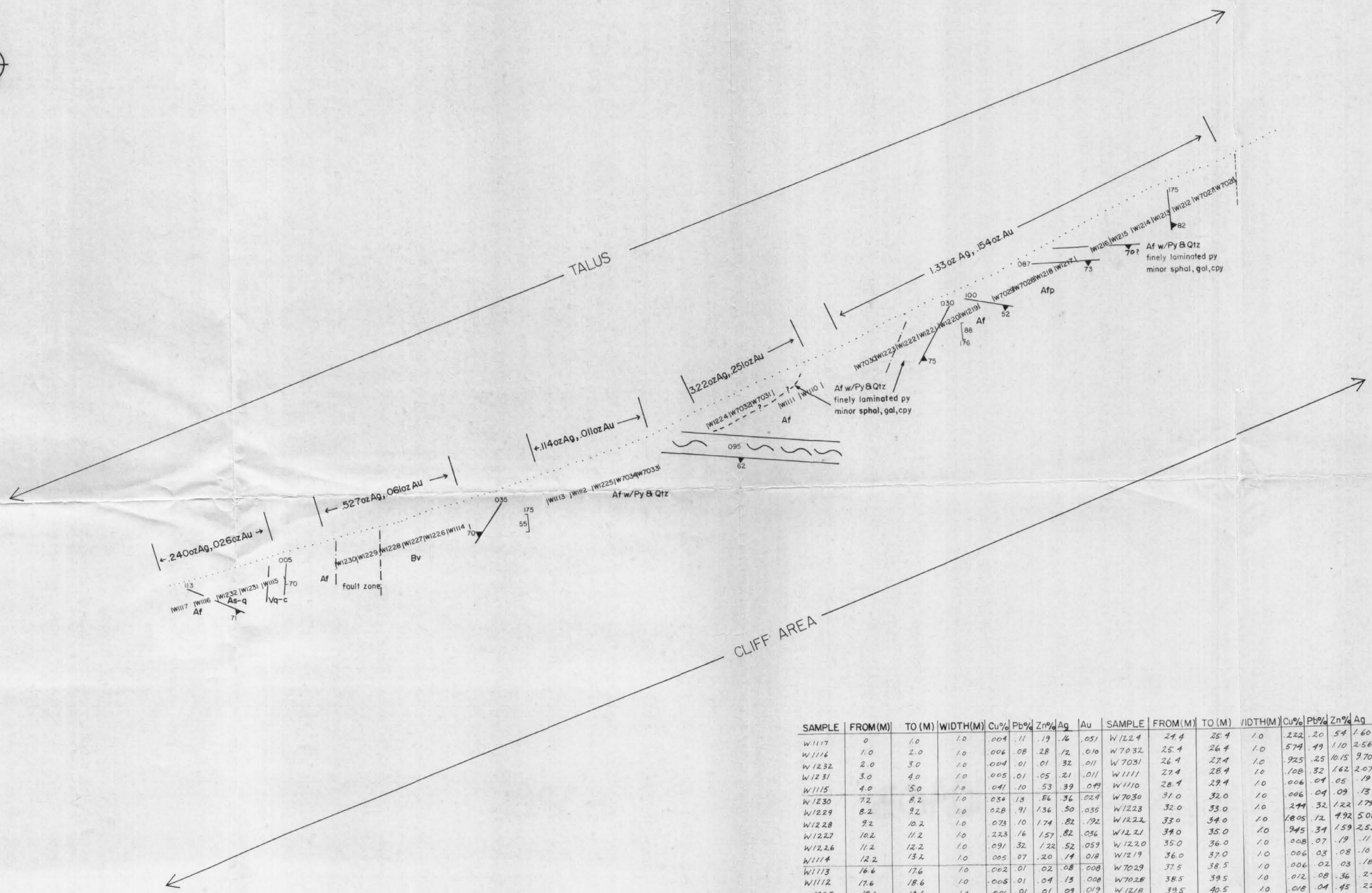
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10403
NO.



ESSO MINERALS CANADA

WINER PROJECT
TRENCH 2

Project No. 2165	Mining Division SKEENA
NTS 104B IE	Drawn By: G. DAWSON
Date: NOV. 1981	Map No. 7



MINERAL LEGEND

Af w/Py & Qtz ANDRESITE w/Py AND SECONDARY QUARTZ (green aphanitic and/or fgl with varying intensities of silicification, quartz veins and stringers throughout; disseminated sp. - cg. euhedral pyrite with occasional stringers)

At ANDRESITE TUFF (dark green to black w/ andesite tuff)

As-q SERICITE - SILICIFIED ALTERED ANDRESITE (light green to grey sericite altered andesite with occasional quartz veins, 2% disseminated sp. py., highly schistose)

Afp FELDSPAR PLAGIOCLASTIC ANDRESITE (green aphanitic andesite containing fg. - mc. lath shaped feldspar phenocrysts, occasional quartz veins and stringers)

Af APHANITIC - FG. ANDRESITE (green aphanitic - fg. andesite flow with occasional quartz vein, 2% disseminated sp. euhedral py.)

Wf GREYWACKE w/ VOLCANIC FRAGMENTS (black sp. - cg. matrix with angular dark green andesite fragments)

A UNDIFFERENTIATED ANDRESITE

Bv VOLCANIC BRECCIA (dark green - black andesite breccia with a argillaceous matrix)

Bs-s QUARTZ-FLOODED ANDRESITE AND SULPHIDE BRECCIA (grey - black quartz matrix containing angular fragments of sulphide (mainly sph.) and aphanitic andesite)

Vq QUARTZ VEIN

Vq-c QUARTZ - CHLORITE VEIN

Vc CARBONATE VEIN

Fc-s CARBONACEOUS - MANGANIFEROUS FRACTURE FILLING

GEOLOGICAL SYMBOLS

..... ROCK OUTCROP

--- GEOLOGICAL CONTACT: DEFINED, ASSUMED, GRADATIONAL

--- BEDDING

--- FOLIATION

--- FRACTURE

--- FAULT: DEFINED, APPROXIMATE, ASSUMED

SAMPLE	FROM(M)	TO(M)	WIDTH(M)	Cu%	Pb%	Zn%	Ag	Au	SAMPLE	FROM(M)	TO(M)	WIDTH(M)	Cu%	Pb%	Zn%	Ag	Au
W1117	0	1.0	1.0	.004	.11	.19	.16	.051	W1224	24.4	25.4	1.0	.222	.20	.54	1.60	.250
W1116	1.0	2.0	1.0	.006	.08	.28	.12	.010	W7032	25.4	26.4	1.0	.574	.49	1.10	2.56	.362
W1232	2.0	3.0	1.0	.004	.01	.32	.011		W7031	26.4	27.4	1.0	.925	.25	10.15	9.70	.466
W1231	3.0	4.0	1.0	.005	.01	.05	.21	.011	W1111	27.4	28.4	1.0	.108	.32	1.62	2.07	.129
W1115	4.0	5.0	1.0	.041	.10	.53	.39	.099	W1110	28.4	29.4	1.0	.006	.04	.05	.19	.046
W1230	7.2	8.2	1.0	.034	.13	.86	.36	.024	W7030	31.0	32.0	1.0	.006	.04	.09	.13	.084
W1229	8.2	9.2	1.0	.028	.91	1.36	.50	.035	W1223	32.0	33.0	1.0	.244	.32	1.22	1.79	.201
W1228	9.2	10.2	1.0	.073	.10	1.74	.82	.192	W1222	33.0	34.0	1.0	.1805	.12	4.92	5.01	.466
W1227	10.2	11.2	1.0	.223	.16	1.57	.82	.036	W1221	34.0	35.0	1.0	.945	.34	1.59	2.52	.371
W1226	11.2	12.2	1.0	.091	.32	1.22	.52	.059	W1220	35.0	36.0	1.0	.008	.07	.19	.11	.006
W1114	12.2	13.2	1.0	.005	.07	.20	.14	.018	W1219	36.0	37.0	1.0	.006	.03	.08	.10	.019
W1113	16.6	17.6	1.0	.002	.01	.02	.08	.008	W7029	37.5	38.5	1.0	.006	.02	.03	.18	.045
W1112	17.6	18.6	1.0	.005	.01	.04	.13	.008	W7028	38.5	39.5	1.0	.012	.08	.36	.24	.040
W1225	19.6	19.6	1.0	.006	.01	.01	.09	.019	W1218	39.5	40.5	1.0	.018	.04	.45	.22	.044
W7034	19.6	20.6	1.0	.003	.01	.02	.10	.009	W1217	40.5	41.5	1.0	.032	.03	.34	.20	.004
W7033	20.6	21.6	1.0	.012	.01	.04	.17	.010	W1216	42.3	43.3	1.0	.040	.04	.46	.29	.030
									W1215	43.3	44.3	1.0	.165	.62	1.16	1.61	.145
									W1214	44.3	45.3	1.0	.135	.524	1.63	7.65	.240
									W1213	45.3	46.3	1.0	.072	.13	1.22	1.03	.371
									W1212	46.3	47.3	1.0	.125	.25	1.52	1.21	.543
									W7027	47.3	48.3	1.0	.005	.10	.14	.18	.035
									W7026	48.3	49.3	1.0	.003	.06	.06	.10	.021

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
10403



ESSO MINERALS CANADA

WINER PROJECT
TRENCH 2
GEOLOGY & ASSAY

Project No. 2165 Mining Division SKEENA
 NTS 104B 1E Drawn By: G. DAWSON
 Date: NOV. 1981 Map No. 4