Summary Report

on the

Exploration Activities

M.U.T. (1-6) Group of Mineral Claims Nelson Mining Division N.T.S. Map Reference 82F/36

Latitude 49005'N; Longitude 117012'W

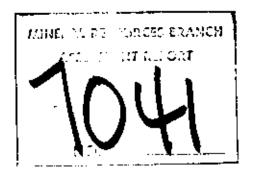
for

Benson Mines Ltd. (NPL)

by

John R. Poloni, B.Sc., P.Eng.,

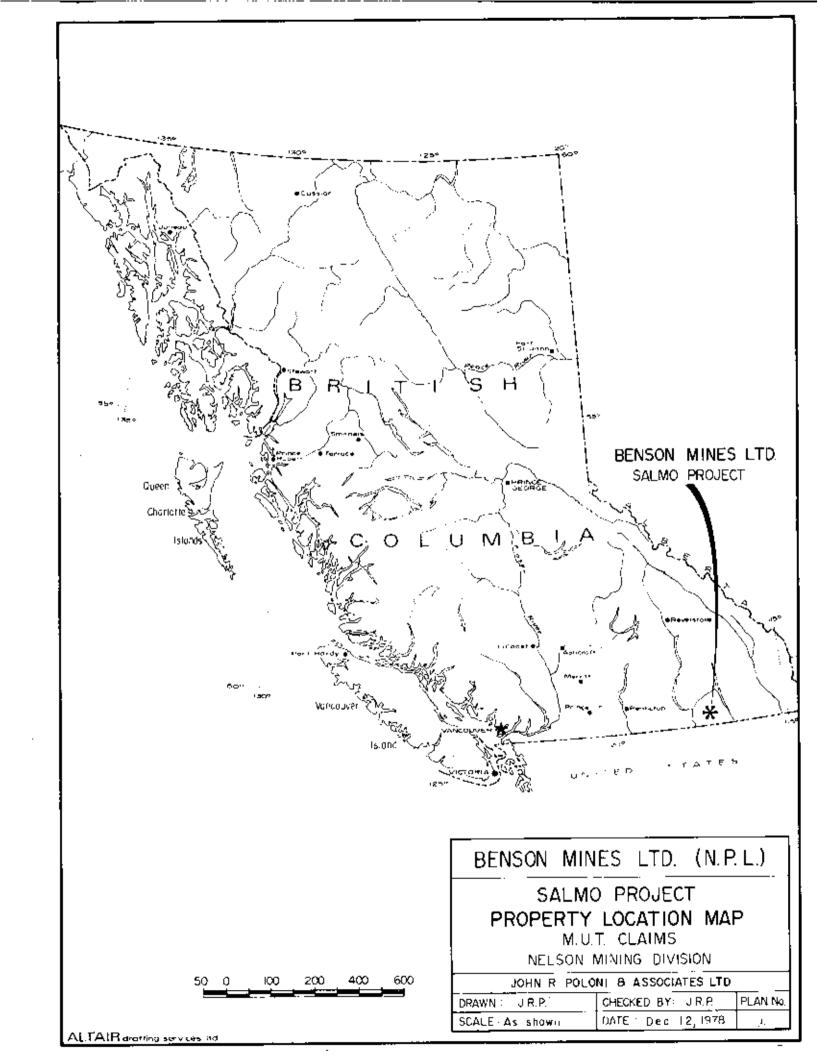
December 12, 1978



John R. Poloni & Associates Ltd., 02 - 8B Avenue, Delta, B. C.

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1.0 Introduction

1.1.0 General Features

The M.U.T. (1-6) Group of mineral claims containing 84 units is located at Lost Creek, 12.1 kilometers south of Salmo, B.C. in the Nelson Range physiographic division. Elevations on the claims range from approximately 1000 to 1500 meters above sea level with slopes being steep on the northwesterly side but more moderate to the southeasterly. The property covers two heights of land, the south slopes of Nevada Mountain and the northwest slopes of Lost Mountain.

Access is via road, south from Salmo, B.C. along Highway No. 3 to the South Salmo River for 14.5 kilometers then easterly along the river for 2.3 kilometers to Lost Creek. A 4-wheel drive road leads northerly towards the M.U.T. claims for approximately 6.4 kilometers. The northerly part of the claim group on Nevada Mountain can be reached by gravel road along the north side of Lost Creek.

Plan No. 1 shows the property location and Plan No. 2 shows the Claim Map, Appendix C.

The N.T.S. Map reference is 82F/3; Latitude 49^O05'N and Longitude 117^O12'W.

1.2.0 Property Definition

1.2.1 Claims Information

The M.U.T. Groups of mineral claims lie in the Nelson Mining Division of British Columbia, Plan No. 2. Benson Mines Ltd. of Vancouver holds the claims by option agreement with Mr. Ian G. Sutherland and Mr. John M. Mirko.

Claims data is as follows:

Claim (Uni	its)	Record	l No.	Expiry P	Date
M.U.T. #1	(10)	371	(11)	Nov.	30/
M.U.T. #2	(10)	372	(11)	Nov.	30/
M.U.T. #3	(16)	373	(11)	Nov.	30/
M.U.T. #4	(16)	374	(11)	Nov.	30/
M.U.T. #5	(16)	377	(12)	Dec.	7/
M.U.T. #6	(16)	378	(12)	Dec.	7/

1.2.2 History

of Crown Granted claims, continguous with the M.U.T. claims, was originally located for molybdenite, and a small shipment made during World War I. In 1942, Joe Gallo of Howser, discovered scheelite in association with molybdenite in skarn and a considerable amount of trenching was undertaken. Trenches on the M.U.T. claims were probably undertaken during this period. As the geological and mineralogical nature in the vicinity of the short adit driven on the south side of Lost Creek (M.U.T.#5) is similar to the molybdenite-tungsten showings in the area, the history of discovery is probably similar.

The property was staked as the M.U.T. group of claims in November and December 1976. Geological mapping and sampling of showings, road repair work, the establishment of a preliminary survey grid over part of the claims and the drilling of A-77-1 were undertaken in 1977. Mr. J. Montgomery, P.Eng. and Mr. Gerhard Von Rosen, P.Eng. reported on the M.U.T. project during 1977 and early 1978. During this period Westwind Mines Ltd. held an option

agreement on the property.

of a bedrock trench containing tungsten mineralization in medium to intense skarn and hornfels alteration in limestone and limy argillite was drilled to test this mineralization at a projected limestone-granite interface. This hole while not achieving the expected target location, however did intersect several narrow limestone and limy argillite units containing minor tungsten mineralization before hitting the intrusive granite at 149.5 m. Plan No. 6 shows a section, looking northeasterly, of this hole. Holes A-78-1 and A-78-2, were undertaken to further test for the granite-limestone interface.

The main areas of interest on the M.U.T. claims are underlain by argillite, limestone and limy argillite of the Active Formation adjacent to the Lost Creek Stock intrusive contact. Scheelite, and molybdenite, occurs in contact areas in garnet-diopside skarm, in both intrusive and sedimentary environments. Uranium mineralization has been found recently, as fluorescence in platty argillite.

Mineral deposits of interest in the immediate area are the Molly Mine, the Tungsten King and Dodger, the Reeves MacDonald and the H.B. Mine.

1.3.0 Work Summary

1.3.1 Diamond Drilling

Three drill holes A-78-1, A-78-2, and A-78-3 were complete for a total of 454.8 meters of A-Q size core. Drill hole data is as follows:

No.	$\underline{\mathtt{Size}}$	Elev.	Depth m	Incl.	Bearing
A-78-1	AQ	1508.7	116.7	-90°	
A-78-2	AQ	1508.7	236.3	-70 ⁰	NW
A-78-3	AQ	920.5	101.8	.900	

Drill hole collar locations are shown on Plan No. 3.

1.3.2 Geological Mapping

Geological mapping was undertaken on the Tungsten Adit-Lost Creek area as shown in Plan No. 5 by V. M. Ramalingaswamy, geologist in charge during early 1978. Four samples were cut across 0.61 meters in two scarny horizons as mapped in the adit.

Further geological examination was undertaken by the author and Mr. Ian Sutherland, prospector, over previously exposed trenches, road cuts, and outcrops. This work consisted of detailed lamping (ultraviolet) after dark with a daylight reexamination of areas and rock units of interest. This work complemented similar examination made by Mr. Ramalingaswamy and Mr. Mirko.

1.3.3 Prospecting

General Prospecting undertaken by the author and Mr. Sutherland as part of the geological reconnaissance consisted of outcrop examination at lower elevations on the property where governmental maps indicated the presence of geology of interest such as limestone and limy argillite units. These areas are presently not covered by control grids.

1.3.4 Physical Work

Access road construction both for property access and drill location requirements were undertaken using D-6 size dozer.

In excess of 2000 feet or 609.6 meters of such work was completed as shown on Plans 7 and 10.

A main base line was cut in the vicinity of Drill holes A-77-1, A-78-1 and A-78-2 for 1800 meters at N45°E. Grid lines have yet to be established.

2.0 Diamond Drilling Report

Three drill holes were completed during 1978 as part of a further evaluation of M.U.T. claims. As previously stated, section 1.2.2, drill hole A-77-1 designed to test tungsten bearing limestone and limy argillite, altered to medium and intense scarn and hornfels, as seen in surface trenches, encountered only minor tungsten mineralization at depth, before intersecting the intrusive granite at 149.5 meters.

Drill hole A-78-1 was designed to further test for the down dip extension of the mineralized zone sought in A-77-1, as it was felt that the limy horizons could have flattened at depth and thus been missed in A-77-1. A-78-1 was logged by V. M. Ramaling-aswamy as cutting principally, broken argillite with very minor scarny brecciated sections and then limy argillite units. Because of the faulted and broken nature of the ground the hole was aborted at 116.7 meters and A-78-2 commenced at 15.2 meters to the north west inclined at -70° to the North West.

Drill hole A-78-2 encountered mainly argillite with thin sections of limy argillite and very minor scarn to a depth of 226.52 meters when the intrusive granite was encountered. The hole was terminated at a final depth of 236.28 meters in bleached intrusive.

<u>Drill hole A-78-3</u> was undertaken in the vicinity of the Tungsten Adit-Lost Creek to test the grade and extent of the tungsten-molybdenite bearing scarn. Four 0.61 meter samples across two scarn horizons as shown on Plan 5 had assayed as follows:

	MO&	<u>M0%</u>	Width (approx.)
A-1	0.18	0.018	0.61 meters
A-2	0.68	-	0.61 meters
A-3	0.48	-	0.61 meters
A-4	0.26	-	0.61 meters

This hole was drilled at -90° using AQ size wire line equipment to a final depth of 101.8 meters. Interbedded granite and argillite were encountered from 0.0 to 16.8 meters, argillite from 16.8 - 27.4 meters, silicious sedimentary unit with pegmatite from 27.4 - 30.6 meters, intense scarn to medium scarn 30.6 - 38.4 meters, silicious calcareous bedded unit containing minor scarn, limy units, and two thin basic dikes from 38.4 - 76.1 meters, and argillite from 76.1 - 101.8 meters.

Disseminated molybdenite occurs between 29.4 meters to 30.9 meters and several sections of core lamped (ultraviolet) as powellite, Ca(MoW)O4.

prill logs for holes A-78-1, A-78-2 and A-78-3 are appended in Appendix 8.4. Drill hole locations are shown on Plan No. 3. Two drill hole sections are included as Plan No. 6 and Plan No. 9.

Core storage locations are as follows:

- A-77-1 with local resident 5 km south of Salmo.
- 2) A-78-1 and A-78-2 in core shed near cabin on M.U.T. claims.
- 3) A-78-3 at 5502-8B Ave., Delta, B.C. at residence of author.

Cost Statement

Drill hole A-78-1, A-78-2, A-78-3 were drilled under contract by Kootenay Exploration Drilling Ltd.,
P. O. Box 519, Rossland, B.C. Costs are presented in section 6.0.

3.0 Geological Mapping

Geological mapping undertaken on the property consisted of both detailed mapping underground in the Tungsten Adit as shown on Plan No. 5 and surface mapping in the area of recent diamond drilling as shown in Plan No. 10.

The maps submitted were completed in preliminary by V. M. Ramalingaswamy M.Sc., with additions by the author. Plan No. 5 outlining the detail of the Tungsten Adit shows relatively gently disping sequences of argillite, granite, silicious sediment, silicious limestone, and moderately to intensely altered scarn containing tungsten and molybdenite mineralization. Dips of the sequences are approximately 330-400 to the east. Plan No. 10 showing the surface geology in the vicinity of drill hole A-77-1, A-78-1 and A-78-2 defines silicious to limy sedimentary units, argillite, limy argillite, limestone, hornfels and lamprophyredikes. Mineralization in the form of disseminated tungsten (scheelite) in blocky sedimentary units, tungsten in association with concordant quartz veining, and uranium as autunite or uranophane has been encountered in surface mapping and prospecting. Stratigraphic units generally dip gently at 35°-50° to the southeast. Both major and minor faulting has been encountered with general trends being North to Northwesterly and Northeasterly. Basement intrusive granite was cut in Drill hole A-78-2, and A-77-1 at depths of approximately 225 and 150 meters, respectively, below outcrop.

Cost statement including geological mapping, line cutting for baseline and a minimal amount of grid cross lines is presented in section 6.0.

4.0 Prospecting

During periods in June, October and November the author undertook geological examinations and general prospecting of the M.U.T. claims in accompanyment with Mr. Ian Sutherland, prospector. This work consisted of lamping (ultraviolet) at night complimented with daylight re-examination of outcrop areas. During the periods in October and November diamond drilling was being done on A-78-3.

Much of the southerly part of the M.U.T. claims is overburden covered and contains heavy growth of vegetation but outcrop frequency is adequate to provide a reasonable picture of the stratigraphic units although all units can not be examined in detail. Road cuts both old and recent were examined.

The northerly part of the claim group is cut by

Lost Creek. Here outcrop frequency is much higher than to the

south, slopes are steeper and stratigraphic units are better

exposed. This prospecting was successful in defining zones of

interest for future detailed exploration as tungsten and uranium

minerals were found.

5.0 Physical Work

Diamond drill site preparation for drill holes A-78-1, A-78-2 and A-78-3 was undertaken using a D-6 dozer under contract. It was also necessary to construct road access to these sites and to water supply. Two different contractors were used at separate periods, initially access and site preparation for A-78-1 and A-78-2, and then during October access and site preparation for A-78-3. During this second period of physical work the "1%" showing area was stripped for further examination. Results of sampling of this showing are indicated in Plan No. 8.

The main base line was cut for approximately 1800 meters in the vicinity of the cabin and drill holes A-78-1, A-78-2 and A-77-1, as a 1 meter wide line clearing with a strike of N45°E. Only temporary chain and compass cross lines were run, and it will be necessary to establish a permanent survey grid, Plan No. 10.

6.0 Cost Statement

6.1 Diamond Drilling

Kootenay Exploration Drilling Ltd. A-78-1 and A-78-2 from May 1978 to June 20, 1978

352.7 meters for total Contract Cost = \$13,360.20.

A-78-3 from Nov. 5, 1978 to Nov. 21, 1978

101.8 meters, core boxes, mobilization and

= \$ 4,989.00.demobilization and gel seal

6.2 Geology

Geological mapping was done by geologist Mohen Ramalingaswamy during May and

Geologist Mr. G. Von Rosen for period

Nov. 30, 1977 to Jan. 12, 1978 and

John R. Poloni for periods June 14 -

July 4, 1978; October 19-22, 1978;

October 26-29, 1978; Nov. 2-10, 1978;

Nov. 17-27, 1978

June 1978

= $\frac{$}{6},834.92$

= \$ 1,250.00

6.3 Prospecting

3,084.92

John Mirko for period April 21June 17, 1978 field supervision and
management, prospecting, camp construction, line cutting, preparation of
drill sites for A-78-1 and A-78-2
road construction supervision, assistance
in drill and water line set ups.

Wages = \$ 3,196.00

Field Supplies = \$ 1,193.25

Accomodation & Travel = \$ 2,677.28

Red Hawk Truck Rental = \$ 2,797.30

Ian Sutherland for period Oct. 26 to
November 22, 1978 prospecting road
cuts, outcrop lamping (ultraviolet)
for total cost including wages and
expenses

xpenses = $\frac{2,490.00}{72.253.33}$

(Wages at \$60.00/day, truck rental at \$10.00/day, motel and food expenses.) The author assisted in

36.00

\$

lamping and prospecting with charges included in section 6.2 Geology, above.

6.4 Physical Work

Bulldozer work May (1-13) 1978 for road access, for drill site preparation and water supply for A-78-1 and A-78-2 under contract to Swift Creek Logging at \$40.00/hour for D-6 = \$2,470.00Bulldozer work for period Oct, (15-21) 1978 including drill site preparation for A-78-3 and road access to site, and dozer stripping of "1% Showing", under contract to Four Leaf Logging using a D-6. Contract 24 hrs. @ \$40.50/hr. and lowbed rental 25 hrs. @ \$35.00/hr. for a total cost = \$ 1,159.50 Road access work and site preparation was 3.44930in excess of 2000' or 610 meters. "1% Showing" was stripped for a length of 125' (38 meters) and width of 3.0 meters. Assay costs were: General Testing \$ 209.50

Chemex

7.0 Interpretation

The exploration undertaken to date in the form of ultraviolet lamping, geology and diamond drilling has examined several areas of tungsten-molybdenite bearing scarn, limy argillite and limy silicious sediments. Drill hole A-78-3 was successful in intersecting a thick tungsten bearing horizon requiring further drill testing. Uranium mineralization as autunite or uranophane has been discovered in talus slopes also requiring detailed surveys.

8.1 Appendix A

Author's Certificate

CERTIFICATE

I, John R. Poloni, of 5502 - 8B Avenue, in Delta, in the Province of British Columbia,

DO HEREBY CERTIFY THAT:

- 1. I am a Consulting Geologist.
- I am a graduate of McGill University of Montreal,
 Quebec, where I obtained a B.Sc. degree in Geology
 in 1964.
- 3. I am a registered Professional Engineer in the Geological Section of the Association of Professional Engineers of the Province of British Columbia.
- 4. I have practiced my profession since 1964.
- I am a Fellow of the Ceological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.
- I have personally examined the M.U.T. claims as stated in this report.
- 7. I have no interest in the properties or securities of Benson Mines Ltd. nor do I expect to receive or acquire any.

Dated this 12 day of December 1978

John R. 1010 124

Eng.

8.2 Appendix B

Assay Data

Assay Calculations

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MR. ERNIE PETERS WEST WIND MINES LTD. 904 - 885 Dunsmuir Street Vancouver, B.C.

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CERTIFICATE OF ASSAY

DATE: Oct. 7/77

We hereby certify that the following are the results of assays on:

Ore and Rock samples

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R. NADEAU

Chemist

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TO: BENSON MINES LTD. 404 Somerset Street North Vancouver, B.C. 1500 FAST PENSEN ST. VANCE (VERLIB). CANADA, VIA 1WZ OF NEW YORK STREET - ISSUES OF THE SECRETARY CARD FOR SUPERVISE

CERTIFICATE OF ASSAY

DATE Leo. 6/78

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DATE June 20/78

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CHEMEX LABS LTD.

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ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ASSAY

CERTIFICATE NO.

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Westwind Mines TO:

904 - 885 Dunsmuir

Vancouver, B.C.

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Dec. 20/77

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TO: BENSON MINES LAD.

c/o Mr. Jim Billingsley 433 - 355 Barrard Street. Vancouver, B.C. V6C 2G8

CERTIFICATE OF ASSAY

7810-3055 No DATE NOV. 7/78

We hereby certify that the following are the results of assays on:

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No. 7812-0456

SEVINOS NUPERINTENDENCE COMPANY (CANADA) ETD

THE FAST PENDER ST. VANCOUVER A C. CANADA MAN 1W.

CERTIFICATE OF ASSAY

DATE: Dec. 15/78

Provide production of the Constraint CASSE SUPERVISE

Attn: Mr. E.S. Peters

V6C 1N5

BENSON MINES LTD.

Vancouver, B.C.

904 - 885 Dunsmuir Street

We hereby certify that the following are the results of assays on:

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653	0.040		< 0.001			
654	0.30	trace	< 0.001			i
655	0.130	0.32	0.002		:	
656	0.142	trace	0.002			
657		1.60	0.003			ļ
658	0.007	trace	0.003		1	i
450	0.010	trace	0.003			
659	0.010	0.06	0.001			
660	0.093	1.09	0.002		!	I
661	0.018	0.06	0,001			
662	0.013	0.022	0.003			
663	0.005	trace	0.002	i		
664	0.032	0.40	0.006			
665	0.010	trace	< 0.001]	
666	0.040	0.83	0.003		İ	
667	0.018	0.10	0.001	!		
668	0,023	0.15	0.002	-	ļ	
669	0.002	trace	0.001		i	
670	0.030	0.31	0.003	Į.		
671	0.002	trace	0,001]	
672	0.022	0.16	0.002		Ì	
673	0.003	trace	0.002	į		
674	0.008	0.24	0.004	į		
675	0.050	0.08	0.002	!	;	
676	0.005	0. 0 2 j	0.002	i		
677	0.002	trace	< 0.001			
678	0.001	trace	< 0.001			
679	0.001	trace	< 0.001		1	
680 I	0.053	trace	< 0,001			
681	0.013	trace	0,001			
682	0.008	0.16	0.002	:	i	
683	0.005	0.02	0.001			
684	0.010	0.12	0.003			
685	0,001	trace	0.001		ļ	
686	0.008	0.11	< 0.001		į	
687	0.002	trace	0.001			
,		72.4400		/ Conti	nued on h	u

NOTE REJECTS RETAINED ONE MONTH PULPS RETAINED THREE MONTHS ON REGUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIEN'S PUBLICATION OF STATE, MEN'S, CONCLUSION OF EXTRACTS FROM OR REGARDING OUR REPORTS 'S NOT HER MITTED WITHOUT OUR WRITTEN APPROVAL ANY LIABILITY ATTACKED THERETO IS LIMITED TO THE FEE CHARGED.

L. WONG

PROVINCIAL ASSAYER



No. 7812-0456

THE THE SUPERINTENDENCE COMPANY (CANADA) IID

1001 (AST PENDER ST. VANCOUVER BIG. CANADA VEA 1992 POCSAL DATA 254 DATA - M. EX 04 DATA V. CABLE SUPERVISE

CERTIFICATE OF ASSAY

DATE Dec.15/78

TO: BENSON MINES LTD.

(Continued) ... page 2 ...

MARKED	DOGRADO SOUTH	- POLYDOGHIE CO	ngsten Uraniuh ide oxide	XXXX	X 30X XX
	ļ	MoS ₂ (%) WO ₃	(%) UO (%)		
688		0.002 trac	e 0.002	į	ļ
689		0.002 trac			†
690	!	0.003 trac		; 	
i			<u> </u>		
REMARKS: Mos	2 calculated fr	om Mo.	İ		
		,	İ		
			!	!	
			!	İ	
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ALL HEPORTS ARE THE CONFIDENTIAL PHOPERTY OF CLIENTS PUBLICATION OF STATE-MENTS CONCLUSION OF EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PUR MITTED WITHOUT OUR WRITTEN APPROVAL ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED

PROVINCIAL ASSAYER" (

	∥ Inter	rval			True	Assav	Data	
Sample No.	<u> </u>	To	Width	*ui*	Width :	MoS ₂ %	WO ₃ Z	ს _ვ ი _გ %
	-	ļ	ſt.	25 27 16 30	İ			
651	50.1	53.0	3.0	15.27-16.18 0.91		0.002	TR	0.001
031	, ,,,,,	33.0	, ,,,	26.73-27.43		0.00%	110	0.001
652	87.7	90.0	2.3	0.70		0.002	TR	<.001
		i		27.43-28.04		0.010		d 000
653	90.0	92.0	2.0	0.61 28.04-28.65		0.040	TR	₹.001
654	92.0	94.0	2.0	0.61		0.30	0.32	0.002
				28.65-30.72				
655	94.0	100.8	6.8	2.07	!	0.130	TR	0.002
656	100.8	103-0	2,2	30.72-31.39 0.67	i	0.142	1.60	0.003
				31.39-33.53	:		1	0.005
657	103.0	110.0	7.0	2.14	i	0.007	TR	0.003
658	110.0	110 0	9.0	33.53-36.27		0.010	TO	0.002
000	[110.0]	119.0	9.0	36.27-37.80		0.010	TR	0.003
659	119.0	124.0	5.0	1.53	.	0.010	0.06	0.001
				37.80-38.40	:			
660	124.0	126.0	2.0	0.61	ļ	0.093	1.09	0.002
661.	126.0	134.5	8.5	2.60		0.018	0.06	0.001
	1			41.00-41.36	i			
662	134.5	135.7	1.2	0.36		0.013	0.22	0.003
663	135.7	138.0	2.3	41.36-42.06		0.005	TR	0.002
				42.06-42.37	[]	0.000		3.5.2
664	138.0	139.0	1.0	0.31	i.	0.032	0.40	0.006
665	139.0	140.0	1.0	42.37-42.67	1	0.010	TR	<.001
	137.0	140.0	1.0	42.67-43.89	Ì	0.010	IN	(.001
666	140.0	144.0	4.0	1.22	!	0.040	0.83	0.003
	1,,,	1	2.0	43.89-44.80		0.010	0.30	
667	144.0	147.0	3.0	0.91 44.80-46.73		0.018	0.10	0.001
668	147.0	153.3	6.3	1.93	ij	0.023	0.15	0.002
	i . I	_		46.73-48.07		·		
669	153.3	157.7	4.4	1.34	ŕ	0.002	TR	0.001
670	157.7	160.0	2.3	0.70		0.030	0.31	0.002
ļ				48.77-49.53	<u> </u>			
671	160.0	162.5	2.5	0.76		0.002	TR	0.001
672	162.5	170.0	7.5	49.53-51.82 2.29	ıl	0.022	0.16	0.002
0,2	" \	•,,,,,,	,,,	51.82-53.04		0.022	0.10	0.002
673	170.0	174.0	4.0	1.22		0.003	TR	0.002
67/	174.0	,,,,,	[53.04-54.26		0 000	0.07	0.007
674	174.0	110.0	4.0	1.22	ļj	0.008	0.24	0.004
675	178.0	181.0	3.0	0.91	į!	0.050	0.08	0.002
			ا ہے ۔	55.17-55.63	ĺ	0.005	0.00	D 000
676	181.0	182.5	1.5	0.46 55.63-56.60	i	0.005	0.02	0.002
677	182.5	185.7	3.2			0.002	TR	< .001

	Inter	rval			True	ı Assay	Data	
Sample No.	From	То	Width ft.	m	Width	MoS ₂ %	WO3%	U308%
678	185 7	191.5	5.8	56.60-58.37		0.001	and the same of th	4 001
0,0	105.	191.)).0	1.77 58.37-60.66		0.001	TR	<.001
679	191.5	199.0	7.5	2.29 61.66-62.09		0.001	TR	<.001
680	202.3	203.7	1.4	0.43 62.09-62.39		0.053	TR	<.001
681	203.7	204.7	1.0	0.31 62.39-62.79		0.013	TR	0.001
682	204.7	206.0	1.3	0.40		0,008	0.16	0.002
683	206.0	212.0	6.0	1.83		0.005	0.02	0.001
684	212.0	214.8	2.8	0.85 65.47-66.45		0.010	0.12	0.003
68 5	214.8	218.0	3.2	0.98		0.001	TR	0.001
686	218.0	219.0	1.0	0.307		0.008	0.11	<.001
687	219.0	226.0	7.0	2.13 68.88-71.01		0.002	TR	0.001
688	226.0	233.0	7.0	2.13 71.01-71.32		0.002	TR	0.002
689	233.0	234.0	1.0	0.31 71.32-71.93		0.002	TR	0.002
690	234.0	236.0	2.0	0.61		0.003	TR	<.001

NO.	FT. INTERVAL N.	CORT. WITHTH ft.		ASSAY DATA	
653	90.0 - 92.0 27.43- 28.04 92.0 - 94.0	2.0 0.61 2.0	0.040	17.1%	< 0.001
654	28.04- 28.65 94.0 -100.8	0,61 6.8	0.30	0.32	0.002
655	28.65- 30.72	2.07	0.130	TR	0.002
656	100.8 -103.0 30.72- 31.39	2.2 0.67	0.142	1.60	0.003
657	103.0 -110.0 31.39- 33.53	7.0 2.14	0.007	TR	0.003
AVG.	92.0 -103.0 28.04- 31.39	11.0 3.35	0.163	0.378	0.002
659	119.0 -124.0 36.27- 37.80	5.0 1.53	0.010	0.06	0.001
660	124.0 -126.0 37.80- 38.40	0.61	0.093	1.09	0.002
661	126.0 -134.5 38.40- 41.00	8.5 2.60	0.018	0.06	0.001
662	134.5 -135.7 41.00- 41.36	1.2 0.36	0.013	0.22	0.003
663	135.7 -138.0 41.36- 42.06	<u> 2.3</u> 0.70	0.005	TR	0.002
664	138.0 -139.0 42.06- 42.37	0.31	0.032	0.40	0.006
665	139.0 -140.0 42.37- 42.67	1.0	0.010	TR	< 0.001
666	140.0 -144.0 42.67- 43.89	1.22	0.940	0.83	0.003
667	144.0 -147.0 43.89- 44.80	3.0	0.018	0.10	0.001
AVC.	124.0 -144.0 37.80- 43.89	20.0	0.028	0,334	0.002
	144.0 -147.0	3.0	0.010	0.10	0.001
667	43.89- 44.80 147.0 -153.3	<u>0.91</u> 6.3	0.018	0.10	0,001
668	44.80- 46.73 153.3 -157.7	1.93	0.023	. 0.15	0.002
669	46.73- 48.07 157.7 -160.0	2.3	0.002	TR	0.001
670	48.07- 48.77 160.0 -162.5	0.70 2.5	0.030	0.31	0.002
671	48.77- 49.5 <u>1</u> 162.5-170.0	7.5	0.002	TR	0.001
672	49.53- 51.82 170.0 -174.0	4.0	0.022	0.16	0.002
673	51.82- 53.04 174.0 -178.0	1.22	0.003	TR	0.002
674	53.04-54.26 178.0 -181.0	1.22	800.0	0.24	0.004
675	54.26- 55.17 144.0 -178.0	0.91	<u>0.050</u>	0.08	0.002
AVG.	43.89- 54.26 124.0 -178.0	10.36	0.014	0.121	0.002
AVC.	37.80= 54.26 92.0 =178.0	16.46 86.0	0.019	0.200	0.002
AVG.	28.04- 54.26	22,22	0.035	0.177	0.002

8.3 Appendix C

Maps

Plan No.	Description	5	Scale	
No. 2	Claim Map	as	shown	
No. 3	Geology Plan	1"	610	meters
No. 4	zone of Exploration Interest	1"	610	meters
No. 5	Tungsten Adit-Lost Creek	as	shown	
No. 6	Section A-A'	as	shown	
No. 7	Surface Details Tungsten Adit-Lost Creek	as	shown	
No. 8	Detailed Sampling "1% Showing"	as	shown	
No. 9	Section B-B' A-78-3	as	shown	
No. 10	Geology Upper Showings Area	as	shown	

8.4 Appendix D

Diamond Drill Log A-77-1, A-78-1 A-78-2, A-78-3 PROJECT: M.V.T. SALMO

CATION: Mear Uper Trench near Cabin ORDINATES: 41 08 N 117° 12 W

TH:

SERVICE HEST SLEV. 4650 (Approx)

CLINATION: 70° SE AZIMUTH: NIBO° E

TAL DEPTH 512' \$156.5 Metres)

RIZ. PROJ. _____ VERT. PROJ : ____

		SURVEY.
LENGTH	ن درج	AZIMUTH
		·
		<u> </u>
	· · · · · · · · · · · · · · · · · · ·	<u> </u>

HOLE STARTED: Nov 20 1977
HOLE COMPLETED PEG 14 1977
DRILLED BY: LOGAN DIAMOND DEILLING

CORE SIZE : A.Q. RECOVERY : 90-95 %.

JULIE ISONHIMCTOR - IMPTOR

LOGGED BY V. IN. RAMALINGASHANY

OSPIH	SUCCOS SPHERA	UDAICY UZANOA	gone ava	LITHOLOGY	CHAIR	i cores	250000	REMARKS	SAM	RING	1554Y	
	TYPE	MINS	TYPE		5/76-	}	<u></u>		110.	Vernesem	<u> </u>	
 .						black	30.	Argillite with light colored Calcific bands. 4.5m to 9m. Calcite. Byrrhotite, pyrite filled fractures perp. to bedding. In places calcite changing to epidote.				
5	Voinlet	Sm, Cal Po, By	1201 1200, 50 100, 53			black	3a*	epreper.				
₹0	Pain in	5				black	30*					

WELINATION: 70°SIE AZIMUTH: NIZO'E COONDINATES: 49°05'N, 117° 12'W SCALE; ICM - Imeter LOGGED SY. V.M.R.

DEPTH	NINERS	61.11Y (1.12.2110)	583001/	LITHOLOGY	ध्यापद्गुत्रस् स्टायकार्थ	20103	SEBDING	1	 	PLING	1066208/14 15814	
	1796	4125	TYPE		SIZE			, NEWAROD	~/0	LENGTH		T
13m	CETTA .	Pyrik, Gravie	shem. & tectoric		11.5 11.7 11.7 11.7	black		Silicified limestone - 12.5m to 128 Syngenetic pyrite, sericitie Cleavages. 14.15m fault zone 12.8 to 24m argillite - syngene- tic pyrite & pyritohite his graphin his shears. 17.3 m. fracture filled with epidote · perp. to bedding, sugges provinity of sharn or contact metamorphism of argillite.	*			
oren (veinlet vein diss.	pyrike pyrike sukeelk	keet (grey	40.	24 to 24.3 Contact met, limestone with epi- quartz-pyrite veinlets, few grains of blue-white acheelite				

Poge 3 of 11

PTH	2000 CR2	TISSUOK	cercer/	リフリアルのしのたい	OPAIN	100.02	19EDDING	REMARKS	SAM	PLING		4554	Y
_ <u> </u>	1782	nins	1/02		5/26	<u> </u>		. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	No	LENGTH	WO2		T
29	vein		,			grey	30*	1.5 to 35.5 Interbedded limestone with argitite Converted to medium grade Skarr Clots of tremolite - epidote - secon bishite (some garnet?)]	meders			
!	Voin diss. diss. diss.	Sokeelit Sokeelite Sokeelite	Crew. 2 declaric			light gray			7/3/2	31.19	-08%	7 2.	.
1 1 35 -	•	17 (F. P.).	n test.			dark gruy	<u> </u>	34-35 Band of Contact met. org/11/16 [Hernfels] filled with quark Segregations filled with					
•	VEA -	Pyrr. Py				grey		pyric - 3 stages of deformation. Schoolite related to final stage. 35-37	; 	; ; ;		:	
:	diss.	Schoolie Ger Schoolie (3 m)				эгсү		Silicitied linestone with band of dark gray skarned list. 1/3 weter setselite at 38m. 38.6 to 38.39 m Noticed textured homfels with	7/3/1	36-34	-03 %/	Fr 2.11	
40.	d 36.	30kec11	e chan			Slave		Clots of from & apinote 40.9 to 48.8 m. - any hornfelsed hard angillite many calcula pyrcholic Mille Veinless Trace Sylphinite	 		Section 1	ארם (מַנָּיב'יִּיִּי	الحد

HOLE NO. A. 77-1 PROJECT MUT. SALMO

WELINATION TO'SE AZIMUTH NIBOE COOKDINATES 49: 05'N, 117° 12'W SCALE, Inchr. Icm LOGGEOTY VIR.

אזי	seconi Nineri	LIZATION	seece is	LITHOLOGY	الداري والمارية الداري والمارية الداري والمارية	1	is a a wa	REMARKS	SAM	PLING	455.	4 Y
	TYPE	MINS	TYPE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5/26	COLOR	1,500,740	. AEMAKAS	No	LENGTH		Á
3.					12/0	Kick				MELLES		
(Vein	19/2-1944 13- Call	* ACC			dark gray bo black	-					
	,,,,,,,	612-816 642-839 612-839	#					•				•
ې -	11	;~l						48.8 to 51.1.		-		
j	14	•	,			grey, brown green		Michigan + high grade skarn Hiernake lands of fine gradi	des.	0 49.61		
	diss.	1 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	chen					hands (fure) of limestones appear	[بر	:		
4	diss.	Social A	* j			grey, Green	į į	to have reacted more motors. 51.1 to 56.9 & Thin to 59.7	7,305	51.68 %		
-	d.ss.	Sikee lik	. !			dark		Hornfels with silver freation, pur sucondary blooms and disposide epidete in veins. Some mothed texture between \$5.4 to \$5.9	جام معسور			1
	Vein	لـعمرو وعضور ا	fect.			,		e				
		<u>ક</u> લ્દ્ર <u>લ્ટું.</u> દુષ્ટ. લ્પ્ર	5.			purple scown		Lappearance of Secondary biolite.				
4	lr .		,									:
े (१) (१) ८ र	erenterior electr	2 4 6 2 2 1 5 7 1 2 2 1	e e Signa (EST.			7/30		37	e e e e e e e e e e e e e e e e e e e

A - 77 · /	ነው የተመሰቀት መስፈት መስፈት መስፈት መስፈት መስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመ መስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስፈት የመስ	en en en en en en en en en en en en en e	· ·	WODE SAME BY SAME
MOLENSTION TO SE AZIME	ITU. NISOE COOKDINAT	51 49°05'N 117° 12'W	- SCALE: Incher- km	1066c0 st 1/4 R.
USTH SECONDARY RESCENT	HOLOGY SPAIN COLORSE	DING REMARKS	SAMPLING	A55AY
GAPE HINS TYPE 1.11	HOTOGA SUAIN COFONE	SSING REIVIAKAS	NO LENGTH	
diss. Scheel Chem.	durt 2147	30° 64.7 to 70.8 Coninct melanorphore	ed hard	
diss. Schools " diss. & Schools " diss. & Schools "	Srey to dark	argillnessed linestone hims of quarte. quarte. Calaide vainful schedife observed little less than the assayed.	some pyrit.	
sess & succest " 55 premer out 194 put butons successful chem	Jark 3ruj	<i>3</i> ⊘*		
ven Schrehm chem. Jein Sphainne het 70 - " 2/2 pyr text rein Colaite bestones & bracein.	dark Jorg Stray	Fourt zone · 3 meter 70.8 to 72.1 Tectonic browniated anytherena 30' Brained pyrite saleetic less	Uly limestone	
Voin 12 rate According	dark 5rm	į į		

INCLINATION TO'SE AZIMUTH NIBO'E COOLOINATES 49°05'N . 117° 12'W SCALE ICH - IN LOGGEOST VINE

ן איזי	seconi uniest	21221101	acresin	LITHOLOGY	GRAIN	20102	SEDDING	REMARKS	SAM	PLING	45	5 A Y
	11PE_	MINS	TYPE		SIZE				No	LENSTH		
3		.ودر پر لمعا	ket śrecia			black	35*	77.6 to 85.4				
- 1	diss.	Scheel Ay.				Jack Wark		Argillite with bedding plane segregations of guarte, with Sands of Silvafied arg. limes tem-epi (at 82.6 to 83.1)	44e		; ; ; ;	
٠٠	·	caluite dol	Slump brn .			grey		35.6 to 88.5 Sticified skarny limestone spoted mothed texture. The Parphyroblasts are epidote				
		trace. Subselle calcile	nct.			grey Elave		and tremolite. (85.7-86, 87.9 to 88.5) Intersedded argillite (86.7 to 87.7) Some k-spar at 87.7				
!	:	trace 50Keet	het.			gry to grun		-				
37	d. 55.	sucu.	. !			Stark grey ho green		35 to 88.6 trace of diss. Garse grained schooling.			!	

MUT SALMO

117° 12 W OCALE: Inche - I con LOGGED EXTENTION INCLINATION: 70'SE AZIMUTH: NIBOE COORDINATES: 47° US'N LITHOLOGY GRAIN COLORKESOING MINESTILLY SECOND SAMPLING 2552Y REMARKS TYPE MINS TYPE LENGTH Scheck chem dsi. 88.9 6 94.3 250 Sacher ince Silverfied limestone - contact metamorohoused to garnet (green) 9004 98.98 N]/2ag [15% dioscide skarn with rains of 71307 92.04 guara - calcile - diop -1ght 90 h 90.2 mostled texture with 7/306 Vern 92.38 والخروجيو grey K. sour. got - from veins. 52.X 8 61/13 chem te. 94 3 6 97.7 silvential angillibe with 8 quarte Segregations, pyrite يجام بالعبادية 2004 ty, Successive and pyrrholite along bedding = 98 6 diliaified dark met. limestone with gray called secondary block quarts Fyron ON & Epidote . Veins . 97.8 to .05 102.5 alteration along 7/304 97.98 gruy . ties succel facture. 275 100 99.1 6 7/305 A. 55 250 99.371 Spy ? text from. 100 - Lies School dark gray diss Succession 250 gruy 1037

MCLINATION: 70'SE AZIMUTH, NIBO'S COOKDINATED 49 OSN , 117" 12W SCALE, ICH - INChE LOGGED THE VIN.R.

لزوحة	SECON.	DARY LIZZTION	sarcan	 1.17#0106	Y GRAIN	20102	Secomo	REMARKS	SAME	PLING	A 5 5	44
	1182	41.45	TYPE		5/22			72.112.113	No	CNSTA		W
. 103	. Veix	syrrhon's Cay para Es. K-sac dasa				gray gray deak gray	20'	103.8 to 104.2, 104.9 to 105.3 Contact met, warse mottled between with 9ts. Epi. Some K-spors. 105.8 to 106.2 Same as above with primary slump breedinhous 109.7 to 110.3 & 110.5 to 111.5				
	slump	pyrik, pyrikan stace stack stack sph. py	priman	4444		dere gray	ž.	Solution collapse breeclation. Matrix with Schalerite & Culaite. Fragments - black argillite. Zebra texture observed in flag- ments.				
	Hersensk	29 probably specific , calcide specific specific specific specific	echoni icchoni	00		 2 4		112.4, 112.6, 112.8-113.9 brgillike converted to high grade hornfels of x secondary biolite in fragmen At 113.8 bedding destroyed Diopside grossular gt along Vain perp. to bedding. blocky argillites. some sphalurik	fr. 7/303	1/3.33 4 1/3.5		17:30 KR (-0
15		Syria len's						20N4S				

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117° 12 W OCALE: lon-Inche 206605/ VMR INCLINATION. 70'SE AZIMUTH, MISSE COORDINATES: 49° 05'N SAMPLING 4334Y REMARKS LITHOLOGY GRAIN COLORISEDOMO TYPE 11NOTH MINS 118 to 118.5 argillaceons limestone 117 black contact mer. at a, chlorik, phlogofik 118-5 6 118.8 Dom. matrix Synte fault zone 120.5 - 121.2 والمصادم موكوع dark 120" 9124 124 - Cross-culling vein-pyrite, 1700. ING'A. pyrobolite, secondary biolite, factive ste diopside & gamet - bedding distroyed completely. 126:10 126.4 Skarn - him. digs. Vein. 4m garners dass. 127. appearence of x-spar. dark pyroholy سلمت ينخ 128 to 1287, 129.5 to 130.0 MoHled pyrite, takere. 27,95 130.3, 131.4 Hornfels with kum, 38. vunlets. grey 131.4 Skarn With K-felspar. (Van فتصدرون 300 Chian يخيمتك grey Vun jame as abort tect chem 20° Cark - Valk

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* /	عموبوء	4125	<u> چ</u> ومرج	27 17 02 0 0	5/				~0	454574	РЬ	ZA	
	Yan	Subsection of the second of th	ku			gruy	20"	135.3 A 147.7 Hornfels with bedding place fractures.					
1,11		Sphaler	k kit					13740 138.2 Secondary bioble to 140.9 gh veine with pyrrholik] 		•
· · ·	i	Sohaler	tect			dark		secondary by & k. spar alknown Sphalente 114. 3 to 145.1 Hornfels with hairlene fractures with alteration envelopes. 145.8 to 146.2 secondary biolie					
	ven	Secalori Secalori				j. gry		1472 k-spar Lordering guarte Veinlets.	7/302	142.7	-036%	1.46%	 عن
\$		Have Go	tex			914	20					1	
-	Vain	Sphalerik Tyrife Sphalerik	Lut			dork 3mg	,	148.5 hill47.5 Spotted harniels Leavily inlan					

PROJECT -- IUT SALMO

Page 11 of 11

PTH SECONDARY SERES!	LITHOLOGY BRAIN ZOLORISCODING	REMARKS	SAM	PLING	4854	. Y
"TYPE MINS TYPE	SIZE		No	HENSTH		Λ <u>'</u> Ο
24 - 50 - 73 - 73 - 73 - 73 - 73 - 73 - 73 - 7		Mostly green. at. 150.4 13019, 151.2, 151.4. 152.5, 153.2 Molybderike at 120.152.3, 153.2. ① K. spar & susniary bt. Vainlete with alteration envelope 154.6, 155, 155.2 with may Rtz. Ser- Jy is been.	ol may.	152-3		c3 6 %

HOLE NO. A-78-1 PROJECT: M. U.T. PROJECT JALMO, B.C. Page 1 of 8 LOCATION: Soult of LOST CREEK MUT MIN COORDINATES: HOLE STARTED: Hay 1978 SURVEY AZIMUTH LENGTH DIP DRILLED BY : KOOTENAY EXPLORATION DRILLING UTM: INCLINATION: 90° AZIMUTH: CORE SIZE : AQ RECOVERY : 95 %. TOTAL DEPTH _ 116.7 Metres. LOGGED BY N. M. RAMALINGASWAMY HORIZ! PROJ. ____ VERT. PROJ :___ DEPTH MINERALIZATION BRECCIA LITHOLOGY GRAIN COLOR BEDDING SAMPLING ASSAY REMARKS TYPE MINS TYPE NO. LENGTH argillite-2.7, 3.9 Chenulahmis bedding dak 20 grey angle steepens. Interbedded liny bands closely Srey. spaced together. 5,2 Creanlahous 5,6 drag folds. grey dark veinted 9te-cal leet. 8.0 9/2 - cal remoted with ex. Pyrel. pyrich. cel (?) 82 - 8.5 182-cal nose of a fold-crea - Yak -8.6. 3/2 - cal reinter ... tet. real 9.0-9.1 1 11 19:24 long bond with spots (?) Stack 10.4 full zone - black overg. reinles whe cat het 19tz -cal- pyer run/et.

PAGE 2 OF 8

EPTH	SECONE	IZATION	BRECGIA	LITHOLOGY	GRAIN	COLOR	RENDIAN	REMARKS	SAM	PLING	ASSAY	
	TYPE	MINS.	TYPE		SIZE		Ot DD VIG	REMARKS	No	LENGTH		
NETRES 13			±,+		CLAY SLLT FINE MED. (RS E.	grey tark gray	30°	Crembatina				
15 -						,	,					
	vernit	Ster Cal						ste-cal veintet. 17.9. Creminations				
10 7	,	Storal	leet.	1				18.9 to 19.6 Linge of a drag fold (?)				
	Neinleis	The ent						11.6 to 22.9 Jan 4 zone with substate fills graphitic garge zone.	*			
25 -		G.E.						24.3 personalous one to facility orang a leading (sensions)				
	Ywn	96 cal 61. pyr.	ket.									

HOLE NO A-78-1

PROJECT

M. U. T. SALMO

PAGE) 3 OF 8

INCLINATION VERTICAL AZIMUTH_ SCALE ICM - Inetre LOGGED BY VME COORDINATES DEATH SECONDARY BRECCIA TYPE TYPE MINS TYPE GRAIN COLOR BEDDING SAMPLING ASSAY LITHOLOGY REMARKS LENGTH METRES 29 Cremelations Fire to faithing. 20 graphitic gonge: 30 reinhi giz co black 34.9 1036.1 Pault zone Stack Will many founds 35 20 Hack 39.1 to 40.5 faults. 20 ne Sraphihi ship planed 4.0 Verblet 8/2 call 41.5 to 43.5 fault zone with cal- gte vaine in The their's 19/2 al tyrr. Cremulations. black 44.8 40 45.6 Et al runs in keronical

M. U.T. SALMO PAGE 4 OF B.

SCALE ICM - Ineter LOGGED BY VMR INCLINATION VERTICAL AZIMUTH ____ COOR DINATES

A+11	SECON	DARY	BRECCIA	LITHING DES	GRAIN			h-	SAMPLING	ASSAY	
PIH	TYPE	MINS.	TYPE	LITHOLOGY	SIZE	COLOR	BEDDING	REMARKS	NO TLENGTH	T	1
TRES					SLAY SLAY FINE FINE CRSE			The second to the			
6							2-0	Stack argittite Completic			
	lak	9th-cal spyre.	Lya	K			20	46.6 .7 .8 0/2 cat tyrr.			
	linemer.	byre. O.L.		1			80				
\$0 -	Lonethie	ayer.	kut				30	50.4 to 51 fee 1 to an			
	fast	pyrr Col	Let					Achastose layers wraphons around the layers layers			
-	iox-	She will begin ty	ži÷.				් 30				
5 -	fast "	stated out pyra			T I						
		",		2				59 to 60.1 funds zons. Staphine songe			
60 -				\mathcal{N}				'smgc			

HOLE NO 4-78-1

PROJECT

MUT SALMO

PAGE OF 8

SCALE Icm- Inetre LOGGED By VMR INCLINATION VERTICAL AZIMUTH ___ COORDINATES BRECCIA SIZE COLOR BEDDING SAMPLING ASSAY LIT40L064 REMARKS MINS. LENGTH No METRES 61 62.5 Cremulations fourt zone 64.3 to 65. 65 66.7 Cremelations . 69.2 to 69.8 Cranalations. 70.4 Crenilations 70 Ket Strforet Lovet 73.5-79.5 Crenulatine. 75.4 Coemilations. 75

		VER TIC							, Scar			re Lo		
DEPTH	MINER	ALL ZATION	TYPE	LITHU	LCGY	SIZE	COLOR	, DEDDING	REMARKS	No	PLING LENGTH		ASSAY	
METRES						12.77 12.77 10.09 10.09	L A							
77							dark grey	20	77.2 4 77.3					
				The	-		grey		any arginale roma	~/				
							4	80.	SANK.					
		00.3		1			block		78.4 5 79.6					
80		Calcula	et.	34	7.00	7	tork	100	Crenulations - 79.6 Setonic bx with a	7. 77				
	reinlet	Callille	4.1-	31			gray		mobile lagments are are	;://;'\{				
		CALLACT							79.6 4 83.0					
		İ		30					darker where anailite	wit				
				Z.~	1				graptine ship planes. Lig	hler				
									Stores bands Colat runt Stere to dedding planes. (p.	15				
									Cremilations.	arrona)				
	L	1- 24	12						arathic with highter to	lord				
75									Sands WIE Syngenetic pyrol					
				1	1	4			83.8 4 86.6					
	I con let	Calair	lest-	1					that & the fault zone -	WILL				
									Scaphitic portions bedding					
									Carpot be occognized. ala	te				
				1	~				86.6 % 89.2					
		Calerk		~~	\sim	5			argillite with slip plan	ا. اع				
9.1		1	ed, tel	0.0	4	1			89.2 % 90.8					
10						5			hoger colored ling an	14.4				
		cal gt	tet			5			with brechiated perhons (He	MARIC				
						7			90.8 6 93.2					

No. A-78-1 M. U.T. SALMU PROJECT PAGE 07 0F8 : HOLE INCLINATION VERTICAL AZIMUTH COORDINATES SCALE ICM - Invetor LOGGEDBY VMR DEPTH SECONDARY MINERALISATION BRECCIA GRAIN COLOR BEDDING · SAMPLING LITHOLOGY ASSA Y REMARKS S12.E TYPE IMIN. LENGA METRES 93.6 6 93.9 200 93 hight colored himy and live recrystallized portains See al Chim 12 Aver blades & tremotie, coleite, 52 & pyrchill 7,5 9:19 5967 Crennichmo Nit 94.7 4 94.9 tark & bild labora bonds black and by with a to lighter coloris sames. 96 to 99.7 fault some HIK gonge at 99.3 4 99.7 400 0 100 time. herp, tractures at 97.6 ce. (co Braphilie ship stands at 98.6 to 99.4 99.6 6 106.1 light colored himsoline Srey ac, spi water metameraners with Senichte Chlorite, Calcite & green pyrrotite' in portions. Calaite cal en & princhata porp & sodding. 105 hen. decrystallized in pochons. Cal epi

106 - factured up let NIXpo. 106,1 to 116.7 fault zone with interse 30' grazer fragments of light grave skarn tapped in 109 -

PROJECT M. U.T. SALMO PAGE O OB of 8 INCHINATION VERTICALAZIMUTH ___ COORDINATES ___ SCALE ICM-Invetre LOGGED BY VMR DEPTH MINERALIZATION TYPE LITHELEGY SIZE COLOR BEDDING RENIARKS SAMPLING 4 SSAY No LENGTH METRES 757 110.7 Small demants of high grade share with the total on the state of the state of the 111.4 Calone Lilled tout some 110 . 114.9 9 15 1 Norm Pres, ton - of 115. 113.2 h /3.3 Dan tal in run Brok. Wet End of tole 121

DRILLING IN FEET CONVERTED TO METERS

FOR LOG. Page 1 of 14 PROJECT: HOLE NO. A - 78-2 HOLE STARTED: Huy 1578 June 20, 1978 SURVEY LOCATION: LENGTH DIP AZIMUTH COORDINATES: _ DRILLED BY : KOOTENAY EXPLORATION DRILLIAS 72.80 380' UTM: 72.30 750 ELEV: CORE SIZE A RECOVERY: 95 % INCLINATION: -70 AZIMUTH: N292E TOTAL DEPTH 236,28 m SCALE IMETE - 1 cm. LOGGED BY V. M. RAMALINSA SWA MY HORIZ. PROJ. ____ VERT. PROJ: ___ SECONDARY CRYSTAL SAMPLING ASSAY DEPTH MINERALIZATION PRECEIR LITHOLOGY GRAIN COLOR REDDING REMARKS TYPE MINS TYPE Fle . LENGTH SIZE metres 0-6.3 11111111 300 Applite with hight dored D tark banks. Creme taking Grey Catest Lect. Bross buttone he hard not 55 60 with on. The owner of the contract STEW 300 Cale to Let

6.3 - 7.3

greatite slips. 7.3 10 14 9

12.3 6 13.3

collake

wollast. hem.

po epi

10

12

and the all that offer

7.3- 6 band collecte well,

argillet with creambahama but will cross cutting fractures with

epi. Calcute (7.8, 8, 8,3, 9,2) and a long factor with po som

epi, chl. ben, po.

PROJECT

PAGE) -

SCALE ICM-Imetre LOGGED BY INCLINATION____ AZIMUTH ____ COORDINATES BRECCIA LITHOLOGY DEPTH MINERALIZATION GRAIN COLOR BEDDING SAMPLING ASSAY REMARKS TYPE | MINS NO. KENGTH METRES /2 to men calcule tet Countrations Throughout he 15 Section ! 6540 17 down an Calcula 2. Cross coming Liented 21/20 45/4 Colont deckning busy 19 Sime as above 21.0 20 15 Colada Call epi lect 242 factore I before with Lacher Calcile Do the translations 25.2 40 2610 po, acut, ep, 211 6+ & Do. 25 perp to tactive 6+ 2,2 26.4 Same as abore

PAGE 3 OF

SCALE ICM-IMETE LOGGED BY INCLINATION_____ AZIMUTH ____ COORDINATES_ DEPTH NINERALIZATION BRECCIA LITHULOGY SIZE COLOR BEDDING SAMPLING REMARKS ASSAY TYPE MINS No LENGTH METRES 29.2 Same as above 28 W/15 2M bt. 250 Creatokins Though out. 30 . 311 Fault zone with renulations on both sides. 600 32.6, 53 laterie veinlets With Broke L'ic . 50 35 -37.2 E. L. Sine L. T. gy to fact place with calcute , gt + thats. 250 40. 447

HOLE 10 1-43-2 PROJECT MUT PAGE 04 OF. INCLINATION____ AZIMUTH ____ COORDINATES_ SCALE ICM - IMETE LOGGED BY_ DEPTH TYPE MINISTER LITHOLOGY GRAIN SAMPLING ASSAY COLOR BEDDING REMARKS SIZE No LENGTH METRES 44 brenn's tims 45 - Last Calcute 40° 47.6 Grandshows with Lacture Silve 50. perp partner to broken 50 5/1 Galor Colored Liney 52.0 argilluse band. 53.6 Crenulations. 700 55.2 perp factory. 55. Califo 57.1 asuk po, rem. 58,3 Caluto 58 to 58.8 calate qt, po, wollastonic vein 4611 11 59.7.0 60 highler himy argillate

300

· HOLFNO A-78-2 PROJECT MUT PAGE OF -INCLINATION - AZIMUTH - COORDINATES-SCALE ICM-IMETE LIGGED BY -DEDTH MINERALIZATION BRECCIA GRAIN TYPE MONS TIPE LITHOLOGY SIZE COLOR BENDING SAMPLING ASSAY REMARKS No LENGTH METRES 60 With Hands Town Hort. Calua Get 11.9 to 64. " Interested bong souther and armillers 65 lighty tackned commisted argue with graphitic Ship Nand- Colore - 9tz Venlets in perp factores (68.6) Olake 70 -Coluk 72.4 fruit zone Generation with so. 75 - fault cafeite fect

A-78-2 PROJECT MUT HOLE YO PAGE _ OF -INCLINATION_ AZIMUTH ___ COORDINATES____, __ SCALE ICM-IMETE LOGGED BY DEPTH MINERALIZATION BREWGIA LITHOLOGY SIZE COLOR BODDING SAMIPLING. ASSAY REMARKS TYPE MINS TYPE No LENGTH METRES 77.1 5 79.9 76 Crenilations, highly factored - fault zone wit grage at 79.9 80 - 120 - 120 80.4 to 75.2 But Don't touck and type definition graphite slip planes. 85.2 5 87.5 85 interbedded argillite with factor Color lest Young sight tem Cham how argilite has they that y fremulie. 87, 592, highly crushed rock with jant jange fault zone 88.8 to 92.1 te faul-90 zone is filled with calabe, trem, woll epi and pyrrhohite veinlets Calabe gt, tem, teet Woll, epi

PAGE 10 CF

INCLINATION ____ AZIMUTH ___ COCRDINATES ___ SCALE ICM - Invetre LOGGED BY MINERALIZATION BRECCIA GRAIN 1 LITHOLOGY COLOR GEDDING SAMPLING ASSAY SIZE REMARKS TYNE MINS No LENGIN METRES 92.1 4 93.1 92 Pyrraid 150 black aggithte with syngente pyris & pyritatic As crimiations Skarn tem, ipi, chem. 94, biot 93.1 4 94.4 Columber Sel. Sham with from op, Lioka, Colore & grave. how it 95. Sherman shrely 20 1- At 04.4 94.4 1- 103 Ptz col down gry and the me Sphalerite Syngenetic syrie's yretald 800 done marked 96.2-97.2 41.4 (6") Due cogillare is Spraler & -, should with close & bt, 100from . Spc. is primary (?) 103 + 103.6 Sharn these & tem, It hads wit him, opilyte 103 6 104 9 - skewn scheilige them, Spalled Gorafels milt child a trem, st. colore, jo, Veinlets at 104.3, 104.7 105-105.7 to 106.24 F-1- zone 106.4 5 109.2 Spoted Longels SbL. blides of trem, st. 6+2 Catalo Skarn from 108 to 108.6 PO. 108trace Scheelife

	SECOND	ARY		1	Τ.	1					50	ED JE	
	MINERA	WATTON		LITHOLOGY	GRAIN	COLOUR	BEDDING	REMARKS	SAMO	WNG	ASSK	14	
H	TYPE	HINS	TYPE		SIZE		4		No	LENGIH			
110		8,800. COLICE TZ			fine	BINCK	20°	109.20 - 115.85 ARGILITE - BLACK DENCE BROWEN - FISSILE BEDDING OZO" CONTRIVING THIN FILLS CALCULE HINDR SULFINE PLACE CAM SERVETISE, SPETIONS RICES CAM SERVETISE STREET					
الارار		يم بكرود			TIME	BLACIC	70°	CIISTES - 116.1 BE CAKETE STRINGET ZONE CO OFS" 116.1-123.0 ARGELITE GENDENSE CONTAINING INFREQUENT OFZ FIL					
120		GTL CHLLITE						WITH BY LINGER. @ 118.0 DIZZ BY FOR O. 1-M. @ 120.0- 120.13 GIZ FIZ WITH BY PYRE CS @ 850					
		By BYRR OTZ			FIRE	ELARIC	80°	ARG 123.00- 130.38 DENSE BLACK UNIFORATTEXTURED VERY HINOR SULFIDES, GEN, IN THIN SEAMS WITH OTZ @ 129.36- 129.44 GIZ-CIUC. CS BLEND @ 75-80°					

BOE O

LOCGED

DEPIH	Second	ARY KIZATION	Bx		GRAIN		200 4	REHARKS	SAIL	PLING	ASSAY	
M		Min S		LITHOLOGY	Size	CHOIR	BEUDING	REMARKS	No	LENGIH	1 1	1
130					,			1/1.52) - 130.38-07.51				*
	Seacol	Fy Fyz R CMPU S TR Schulde			1.es	24.	403	CENTER OF MORE STATES LETTER NO WILL STATES LITTER NO SILVENTE THE LITTER NON. CO 130.54- 120.58 MARS. LETTER NO SILVENTE TO SERVER. LETTER NO SILVENTE TO SERVER.	0			
134 .								6-1918 02 22 6100 05" " 6-1918 12-131.40 . Py Rype 10 22-64-24 2011 500" 8 131.49 = 131.56 504.84				
Ио -					Twe	21.	ೆರ`	@13335-13345 INCHES PEG. POESINIS SINCH @134.44-13500 28 ASSE CHEFEL DISS BY - HISORY MI PLANCE FIN THIS 012 FIL PHE PLETHE IN FIRST PARGINITE 137.59.—144.66 BLACK UNIFORMTEXTURED RX ASABOUT, WITH TIMER				

364

LOGGED

PIH HINGE	DOARY ALIZATION	Вx	1,-11-1-1-1	GRAM		BEDDING	REMARKS	SAYP	LING	ASSA	14
-	MINS	TYPE	LITHOLOGY	Size	Colour	Z DEDUNG	REMARKS	NO	45.4974		Í I
	24,-300			Tive	BL	39"	# 2-CARE FIL @ 151.71 -131.80 GTZ TAMAN. ATED ZENE CENTANDONS 14, PIEC, E. S. Z. 15.2 @ 141.75 -141.10 (Fracie,				
147				7 V.	RA-	ger	ALCONO CONTILLE II LO CONTE ALCONO CONTENIO CONTENIO ANTI-ONE OFFICE OFFICE ANTI-ONE OFFICE OFFICE ANTI-ONE OFFICE OFFICE ANTI-ONE OFFICE OFFICE ANTI-ON				
					G.C.S.)		2144.66-144.90 CALCARD				
nio .	71. PyRR 215.					200	THE AS II TOUDE WITH THE FRACE ANG. QUALON 14694 DISS BY TYPE. Sphallower.				
							@ 149.71 -149.84 BLEACHED (DUGITTES) NINCERLIZED SCETAL WITH PY, PYKR, SPHALERIE Ø 151.50-151.40 BLEACHED SCETAL FINELI DISS PYRR + ZIS?				
135						80°	AIGINITE 181,83 - 159.39 (AS ABONE) @152,30-182 41 BLEIKHEIS SECTA @153.78-133.93 OTZ INCL.WILLI PHRIC FCS. @155.5-155.8 Blacked & classes				

DEPIH	SECOLLIZATION	Bx		GRAIN	ľ	T		1		LOGGE	<i>i</i>)
H	TYPE HINS	TYPE	LITHOLOGY	SIZE	Colour	BEDDING	REHARKS	-	PLING	ASSAY	/
160.	Estable Estable				soney- Bluck	800	159.39-166.5 @ 160.66-160.70 OTZ Splack with py pyrp , To Schoolite @ 161.3 Sciency Staturet & schoolite @ 161.3 Sciency Staturet & schoolite @ 161.32-161.56 OTZ 11111	No	LENG (1)		
							and queally has query colour mottles opposituace week grz colecte felmi al 2 60° 6 wee				
162					grey Brack	201	ARG 1665-173.46 GREY UNRILLY will giz GALEILE Spland & SIR Thin Selv g scarry meterial itmorphy pyor & frotite in nerrow seeting	,			
70							01674-167.44 Seem with the of 5172. 69-170.74 Seem with the of 5172. 69-170.74 Seem with the of 5172. 69-170. 65 5; LICIUMS SITE @ 70° G Alend				
				13	A_{i} $\approx h$	80	ARG 173.46-180.74 BLINER DENSE VARIETY & limits ANTHING DIZ Collette Splash &	2			
5											

	Secon	140.1									LOGGE	FU
	HINERA	LIZATION	Bx.	LITHOLOGY	GRAIN	Colour	BEDDUK	REMARKS	SAH	PLING	A88A	4
M	TYPE	HINS	TYPE		SIZE	CALDUIC	2		No	LENGHI		
110							80°±	ARG -180.74 - 188.90 Speckled Variety 186.36 then Dense Black Variety Himor 952 cale film @ 70-750				
/23						e		Thin section of Ry, Pyyr.				
90 -												

DEATH	Second	PALIZATION	8×		GRAIN		2.	D. C. L. C. C.	Sand	2116	ASS		
M	-	MINS		LITHOLOGY	Size	COLOUR	BEDDING	REMARKS	NO	LENETH	7735	~ /	,
145													
	And the second s				GRUJ BL		800	ARG AS AROUTE GuyBC. 182.90 - 196 00 Speckled Variety. House GTZ-Colc films Ry ARG 196.00 - 203.46 Speckled VARICTY. HINDR GTZ-COLC INCL					
	100 mm and 100 mm and							4 STP. GREY BC., PY ARG 203. VG - 210.79. AS ABOVE @ 210.00-210.03 GTZ Calc STR @ 85° ARG 210.79-218.30 AS ABOVE Dense Black variety. Py					
*								ARG 21830 - 225.67. @219.62 - 219.92 Six Accorded Sector well Py-Pype 650 @214.18-224.27 Bleached 512 Sector Passines scars 650					
								@ 225.48-225.51 S.L. SCC1480° DRG 225.67m -22652 AAC. AS ABOOK BRANITE 22652-226.90 AGG 226.98-229.14" ARG AS A TRACE SCLEETILE	DE D VE				

PROPERTY HUT GROUP BENSON HINES LID

Hole No. 17-78 Z

Sheet No. 13-14

21			
Location: Claim No.			
Lat			
. Dep	-	, W	Started
Elevation of Collar			Completed
Datum	Beautie		Ultimate Depth
	Bearing		Proposed
Direction at Start:	Din		

	Feet	Total	SE	CTION		100000	Core	Foliation
Date	Drilled	Depth	From	To	Seet	REMARKS (LOG)	P. C. State of the Co.	Inclination
		11	225.67	1226.52	0.85	ARG (15 ABOLE)		
	Repeni		226.52	226.90	0,38	GRANTE - BLENCHES MUTERED		
	Ct Page		-			Devois of Makes GENERALLY		
	13.	.1	226.90	229.11	2.2/	ARG (AS AGENE) TR Scheel. 12		
			239.11	23028	1.17	GRANITE GREY GREEN VARIETY BLENCH	(D)	
						MINOR BY PISSIBLE WHISPS OF HOLY.		
	-		230.28	230.60	0.32	ARG AS AROUE		
			230.60	236,28	5.68	GRANITE (AS ABOUT)		
							i.	
-	-					END OF HELE		
						775' or 236,28 m	- 4	9

Drilled	by:

Geologist in Charge

PROPERTY	MUT CLANTS

Hole No. <u>18-3</u> Sheet No. <u>1669</u>

Location: Claim No.	MILIT "5	BENSEN HINES LTIS
Lat		
Elevation of Collar	3020' (930,49)m	
Datum	Bearing	
Direction at Scart:		

Started Nov 5, 1978

Completed Nov 21, 1976

Ultimate Depth 334 Fr (10/18 m)

Proposed

Core Size AR

	Teet	Total	SE	SECTION		The state of the s		Foliation
Date	Drilled	Dapth	From	To	Feet	REMARKS (LOG)	Core Recovery	Inclination
			0.0	4.5	4.5 1:17.m	GRANITE - ALTERED BULL BROWN TO PLAK		
						WITH LIMENITIC STANING		
****			4.5	5.7	0.37	ARGILLITE - SILICIOUS VARICTY WITH		
						MINER DISSETTINATED SULFIACS,		
	,					PYRITE		
			.5.7	14.0	3.33	GRANITE - ANTERES, LIMINITIE SPECKLING		
						SURFIGES PYRITE HINDE HEST		
			14.0	26.5	3.81	ARBILLITE - THIN DEDDED WITH IT NOR PYRITE		•
						AS FILITS AND PEDS REDDING OF		
						30° 45°		
			26.5	46.5	6.10	GRANITE - SILICIOUS QUARTZY INCLUSIONS		
						WITH SEAMS & NOWS PYRITE, MINER		

Drilled by: KOOTENAY EXPLORATION DRILLING

JOHN R. POLONI Geologist in Charge

174

				Hole No. 76
	PROPERTY			Sheet No.
Location: Claim No.				
Elevation of Collar Datum		a. 	Started Completed	
Bearin	18		Ultimate Depth Proposed	
Direction at Start: Dip			% A 1000 Margaritan	

Date	Feet	Total	Total SECTION						
	Drilled	Depth	From	То	Feet	REMARKS (LOG)	Core Recovery	Foliation Inclination	
	-			-		Medz. FRANTURED, will LINE WITH THATKAT			
					3,7	THEREESE AND RODY PYERHOTITE			
	-		46.5	50.2	11/3	ARGILLITE - DENSE PLACE WARRETY WITH GUARTE			
	-					FLAMENTS AND INCLUSIONS BOTH CONCER-			
·	-					DANT & DISCORDANT PYRITE DISSEMINATE	0		
	-				2.52	AND AS FILMS CS AT 80°			
	-		50.2	53.2	0.91	GRANITE - BLEACHED SILICIOUS, MICH, AND			
					0.8	MINER HINT MOST			
	1		53,2	54.0	0.24	ARBILLITE - BROKEN CORE, NEAR CS ASSIRLE			
	-					FIRMET @ 850			
			54.0	55.0	0.31	GRANITE - BECKEHED , WITH HINDE KINENITE			
						Cs @ 3300			

rilled	by:	
	Q.	Geologist in Charge

Hole	No.	18-3
Sheet	No.	3 01-9

	PROPERTY			Sheet No. 3 d.
Location: Claim No		2. 10		
Dep Elevation of Colla Datum	r		Started Completed	
Comparison (1)	Bearing		Ultimate Depth Proposed	
Direction at Start	:Dip			

	Feet	Total	SE	CTIO	N	\$ 45 mm a 10 mm	Core	Foliation
Date	Drilled	Depth	From	To	Feet	REMARKS (LOG)		Inclinatio
			55.0	56.0	03/	PREILLIFE - WITH GUARTZ INCLUSIONS PYRITE		
-					1.0	AS POSS AND FILMS		
			56.0	90.0	10/36	ARGILLITE - DENSE BLACK GITTIELS SOFTEWHAT		
					<u> </u>	CONTRETED, PYRITE THRUGHOUT AS		
	-					FILMS & HOAS BEDDING CO 650		
			-		-	@ 70.3-70.8 INTRUSIVE WITH HINOR		
			ļ			SPECKLED HOSZ & PYRITE		
						@ 87.6 -87.8 GUARIZ FILAITENT WITH		
						FAIR PYRITE, CONTERTED CS @ 40°		
			90.0	100.5	3.20	SILICIOUS SEDIFFENTARY UNIT WITH SECTIONS		
						OF PEGHATITIC PINE FELDSPAR, SCARN		
					4	@ 92.0 - 96.5 FINELY DISSEMINATED		

Drilled by:	
	Geologist in Charge

, š		*				00
			DIAMOND DRILL	RECORD		Hole No. <u>78-3</u>
		PROPERTY				Sheet No/ 0/9
ocation;	Claim No. Lat	***************************************				•
- levation	Dep of Collar				Started	
atum		Bearing			Ultimate Depth Proposed	
irection	at Starte					

	Feet	Total	L S E	CTIO	N		T C	[D 11
Date	Drilled	Depth	From	То	Feet	REMARKS (LOG)	Core Recovery	Foliation Inclination
			-		-	Hesz , Possible POWELLITE?		
			-	ļ	ļ	@965-1015 DISSEMINATED TEST IN		
	-		ļ	-		SILICIOUS UNIT WITH LIMY SECTIONS		
				 	16.8	POWELLITE?		
	+		100.5	117.3	5.12	SCARN - MOST FOR 6.3' FRONT 1005-100,8		
		•			 	HINOR HOS, IN FREQUENTLY IN HORE		
	+				10.7	SILICIOUS SECTIONS . PONCLLITE?		
			117.3	126,0	2165	"NEAR SCARN WITHES SILKINGS WITH VERY		
					73,7-	HINDR SULFINES POWELLITE?		
	-		126.0	199.1	22,28	SILICIONS BEDSED UNIT @TIMES WITH VERY		
-	-					FINE SULFINES PYRITE, NEAR CS @ 600		9
	-					SLIPTUPE, UNIT RECORES SLIGHTLY	-	

rilled by:		
***************************************	_	
		Geologist in Charge

Hole	No.	18-3
Sheet	No.	5019

	PROPERTY	Sheet No. 50
Location: Claim No. Lat		
Elevation of Collar Datum		StartedCompleted
	Bearing	Ultimate Depth Proposed
Direction at Start:	Dip	

	Feet	Total	SE	CTIO	N	5 = 1 (1)	Core	Foliation
Date	Drilled	Depth	From	То	Feet		1. 2 100-500-	Inclinatio
						SCHENY @ 129.0', CONTHINS THIN LIMY		
						HEMBERS SUMENHAT CONTRACTED INFREG.		
						MENTRY, BEDDING 45-50', POWELLITE.	7	
						@1470-150.9 LIMONITIC FILMS		
						(6 161 7 - 1618 LINESTONE (BELLE)		
	-					@ 164.8 - 165.1 PLILERED GRANITE		
						@ 165.1 - 181.0 SLIGHTLY SCARLY		
	-				-	@ 181.0 -195.5 SILICIOUS "NEAR" SCARN		
	-					BEDDING @ 650		
	-					@ 195.5 - 1956 ARGILLITE		
						@ 1956 - 199.1 " NEAR " SCARN, S.LUCIOUS		
						SEDIMENT, BEDDING CONTURIED & CO		

Drilled by:	•	
		Geologist in Charge

שיייבות חתב	81		Hole No	18'-
FROPERTY			Sheet No.	60
	- v			
		Started		
		Completed		
		Ultimate Depth		-
		Proposed		

Direction at Start: Dip

Bearing

Location: Claim No.
Lat
Dep
Elevation of Collar

Datum

	Feet	Total	SE	CTION	N		1 0	
Date	Drilled	Depth	From	То	Feet	REMARKS (LOG)	Core Recovery	Foliatio Inclinati
	1			-	3,5	THES ANYEST PARALLEL TO CORE		
			199.1	202.6	7,07	BASIC DIKE, WITH PEDDY & FINELY		
				-		DISSEMINATED SULFIDES (ARITE)		
	-				39,4	NEAR CS GO 20° FARCS & 40°		
	-		202.6	242.0	12.01	SILICIOUS NEAR SCARN AS AGOVE		
	-			ļ		@ 203.1 - 203.9 Hosa as Peas & THIN		
				-		FILMS IN SCHEN		
	-			-		@ 210.0-212.5 SCHEN		
	-					6 212.5 - 216.0 " NEAR "SLARN - SILKING		
				-		@ 216.0 - 221.5 - SCARN - SULFINES @		
	-			-		219.0 FOR C.5'		
					Vi.	@ 221.5 - 334,1 SILICIEUS UNIT BEDDI	Ve	

rilled	by:		
		Geologist in Charge	

				40				0.0
101	ž			DIAM	OND DRII	LRECOR	D	Hole No. <u>78-3</u>
			PROPERTY	-				Sheet No. 7 of 9
Location:	Claim No. Lat							7
Elevation Datum	Dep of Collar						Started Completed	
		Bearing_		*			Ultimate Depth Proposed	
Direction	at Start:D)ip						

	Feet	Total	SE	CTIO	N	100000000000000000000000000000000000000	Core	Foliation
Date	Drilled	Depth	From	To	Feet	REMARKS (LOG)		Inclination
	-					@ 41° LIMY		
	_			-		@ 224.1-229.9 SCARN		
	-					@ 229.9-235.9 "NEAR" SCARN, SIL-		
						ICIOUS UNIT		
	 				 	@ 235.9- 242.0 SEDIMENT - LIMY		
	-		<u> </u>		6,8	ARGILLITE BEDDING @ 400		
	+	44-54-54/0	242.0	248.8	2.07	BASIC DIKE WITH COLUTE FIRAMENTS		
			-		-	AND PODS, FINEGRAINED NEAR CS	7/	1
			·		0.5	@ 20'		
			248.8	249,3	0.15	SILICIOUS KIMENITIC UNIT WITH HINOR		
					0,4	16052		
	-		249.3	349.7	0.12	DIKE as Agove		

Drilled by:	
	Geologist in Charge

		Hole No. 78 -
PROPERTY		Sheet No. 8 of
	,	
		Started
		Completed
		Ultimate Depth

Proposed __

Direction at Start: Dip

Bearing

Location: Claim No.

Lat

Dep

Elevation of Collar

Datum ____

	Feet	Total	SE	CTIO	N		Core	Foliation
Date	Drilled	Depth	From	To	Feet	REMARKS (LOG)	1 199	Inclinatio
	-		249.7	261.0	3.44	ARGILLITE - WITH GUARTZY SILLIUS		
						37405		
	-		261.0	263.3	20.70	BRECCIA ZONE CEHENTUS ARGILLITE		
						AND GUARTZ FRAGILENTS TO OUT		
	-	~				WITH HINDE LIMENITE		
	-		263.3	272.0	8.7	ARGILLITE WITH THIN SCANS OF		
	-			-		SULLIDES (PYRITE) NEAR CS@		
	1					650		
			272.0	274.8	2.8	SILICIONS UNIT WITH HENOR ARGINALITE		
	-		274.8	334.0	59.2. 18.04	ARBILLITE . POKER CHIP VARIETY		
				ļ		BEDDING @ 65° WITH THIN SCARES		
						SULFIDES (PYRITE). SECTIONS OF QUAR	52	

AND AND AND AND AND AND AND AND AND AND			
Drilled by:			
	(4)		
		Geologist in Charge	

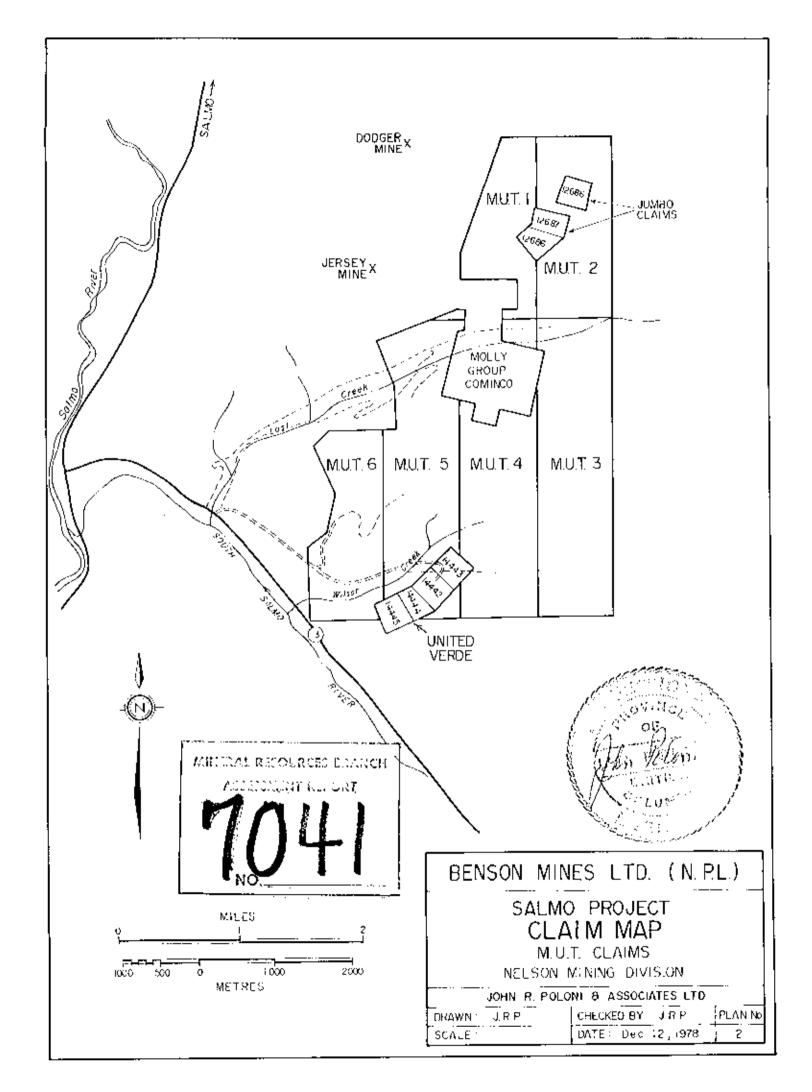
	Hole
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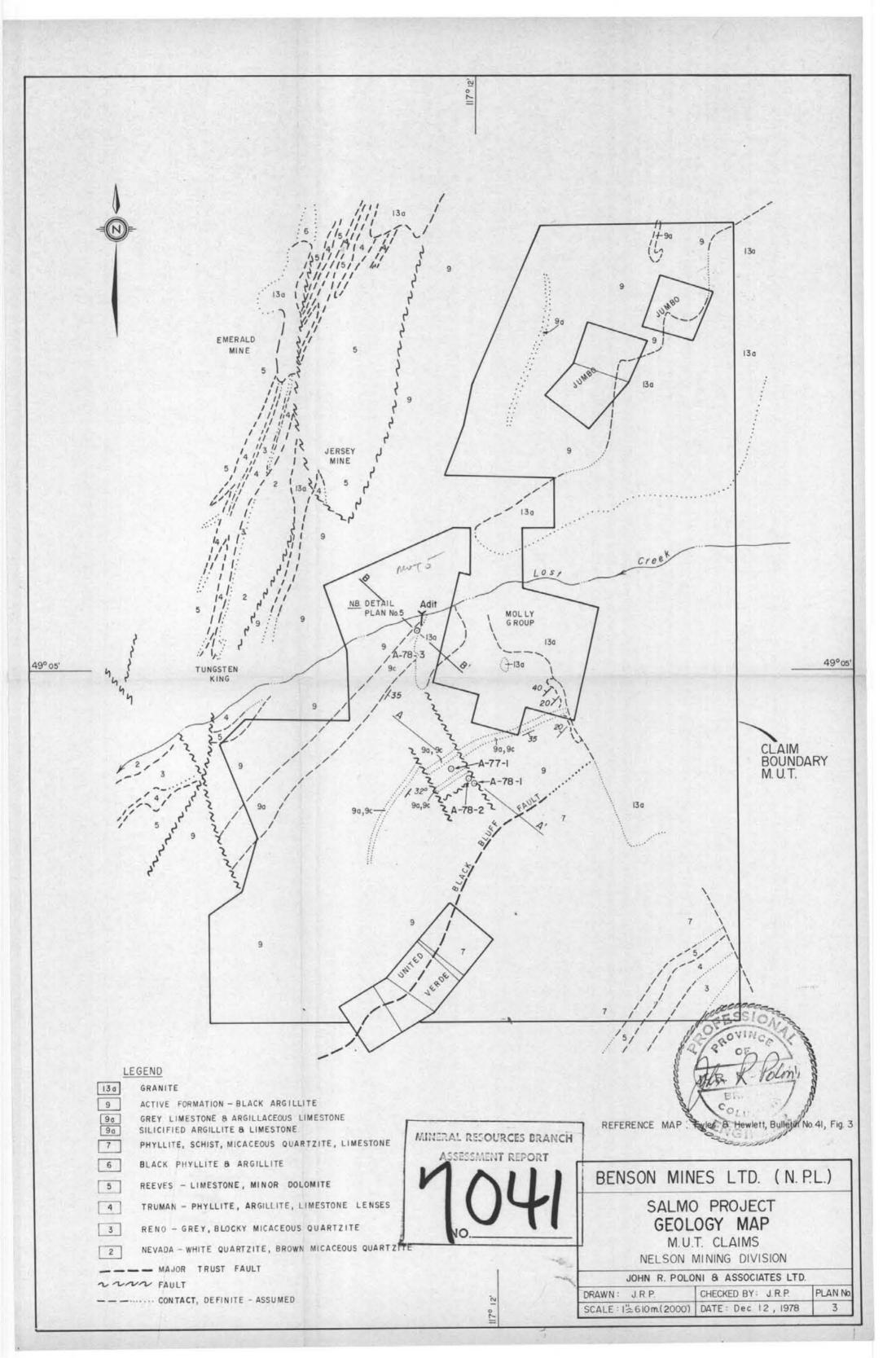
PROPERTY	

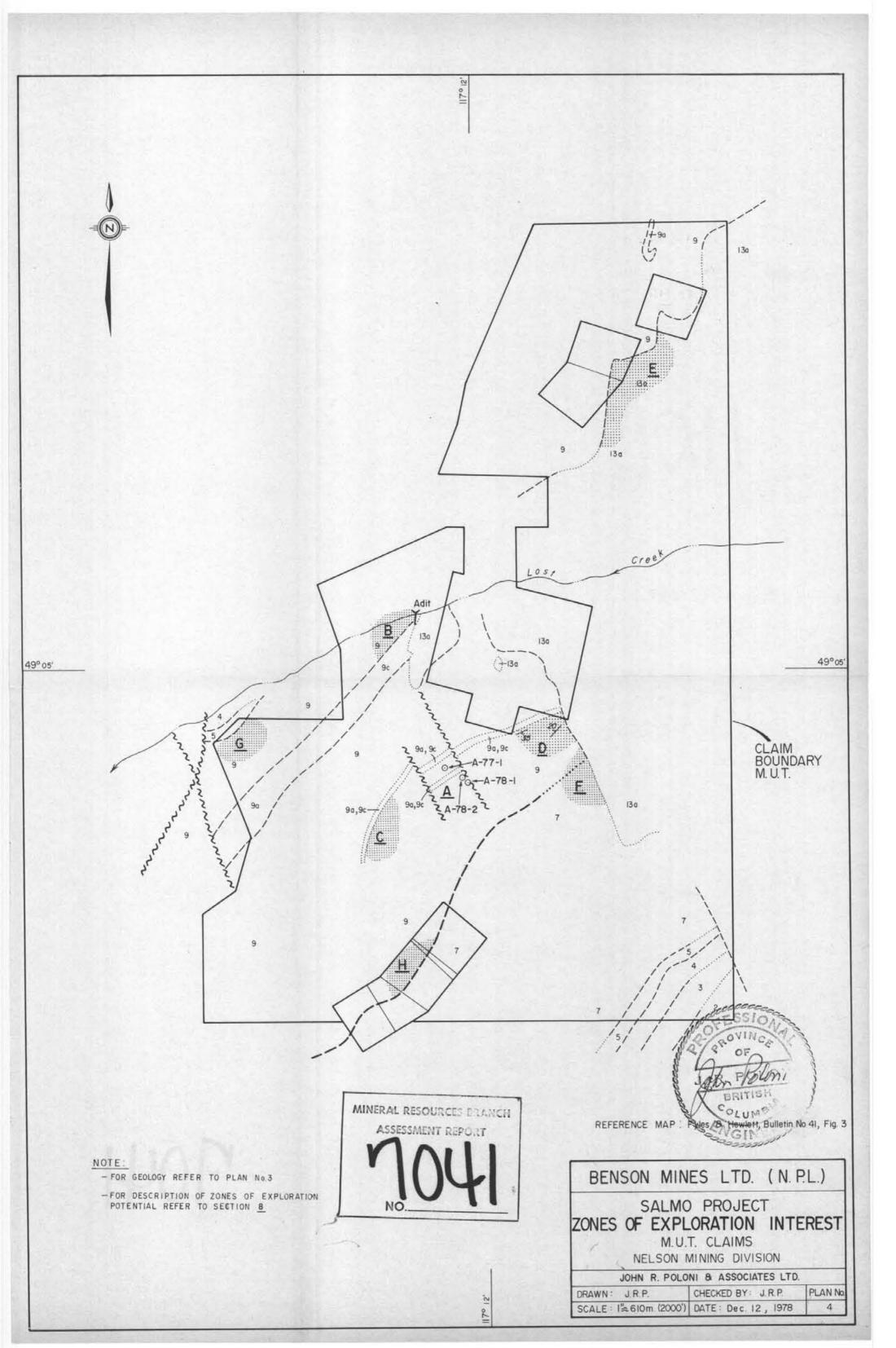
	PROPERTI				Sheet No.	90
Location: Claim No.						
Dep Elevation of Collar Datum		32	•	Started Completed Ultimate Depth		
	Bearing			Proposed		
Direction at Start:	Dip					

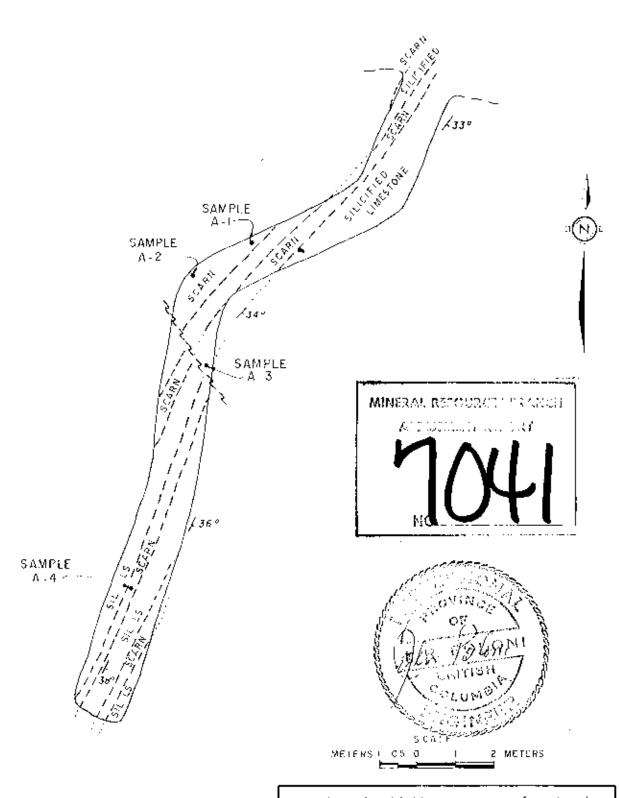
	Feet	Total	SE	CTIO	N I		Core	Foliation
Date	Drilled	Depth	From	To	Feet	REMARKS (LOG)	The state of the s	Inclinatio
						BEDDING GENERALLY CONCORNANT FOR		
						0.1 - 0.2', INFREQUENT THIN FILTHEN	2	
						OF GUARTZ DISCORIANT		
								22 A
						END OF YELE 334.0'		
						(101.8 m).		

Drilled by:	e a	
	1,01	Geologist in Charge









NOTE

WAPPED BY VIM RAMALINGASWAMY
SCARN PYRRHOT:FE, KISPAR, DIDPSIDE
TREMOLITE, SCHEELITE, POWELLITE, NO
SIGNOLS TIMESTONE TREVOLITE, WOHASTONITE,
TRACE SCHEETIFE

FOR ASSAY DATA REFER TO APPENDIX C

BENSON MINES LTD. (N.P.L.)

SALMO PROJECT TUNGSTEN ADIT-LOST CREEK

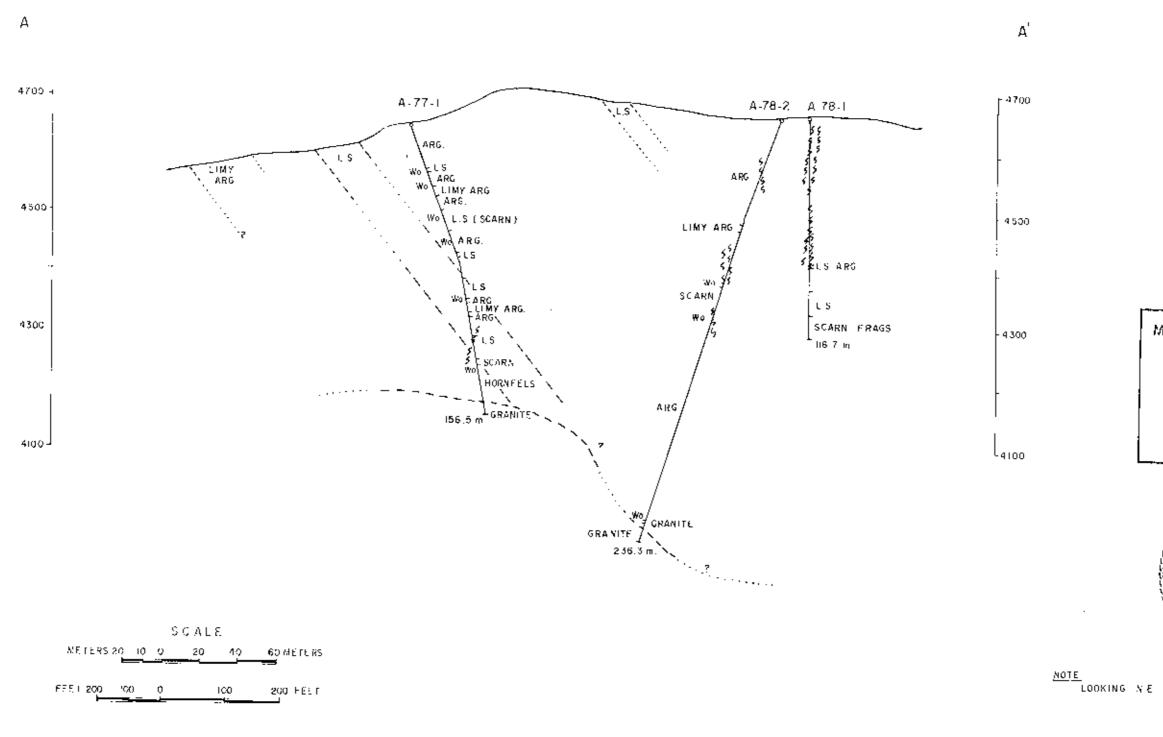
M.U.T. CLAIMS

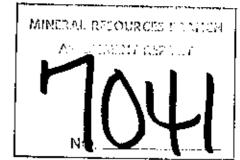
NELSON MINING DIVISION

JOHN R. POLONI & ASSOCIATES LTD

DRAWN: J.R.P. CHECKED BY: J.R.P. PLAN No

SCATE AS SHOWN DATE: Dec. (2), 1978 5







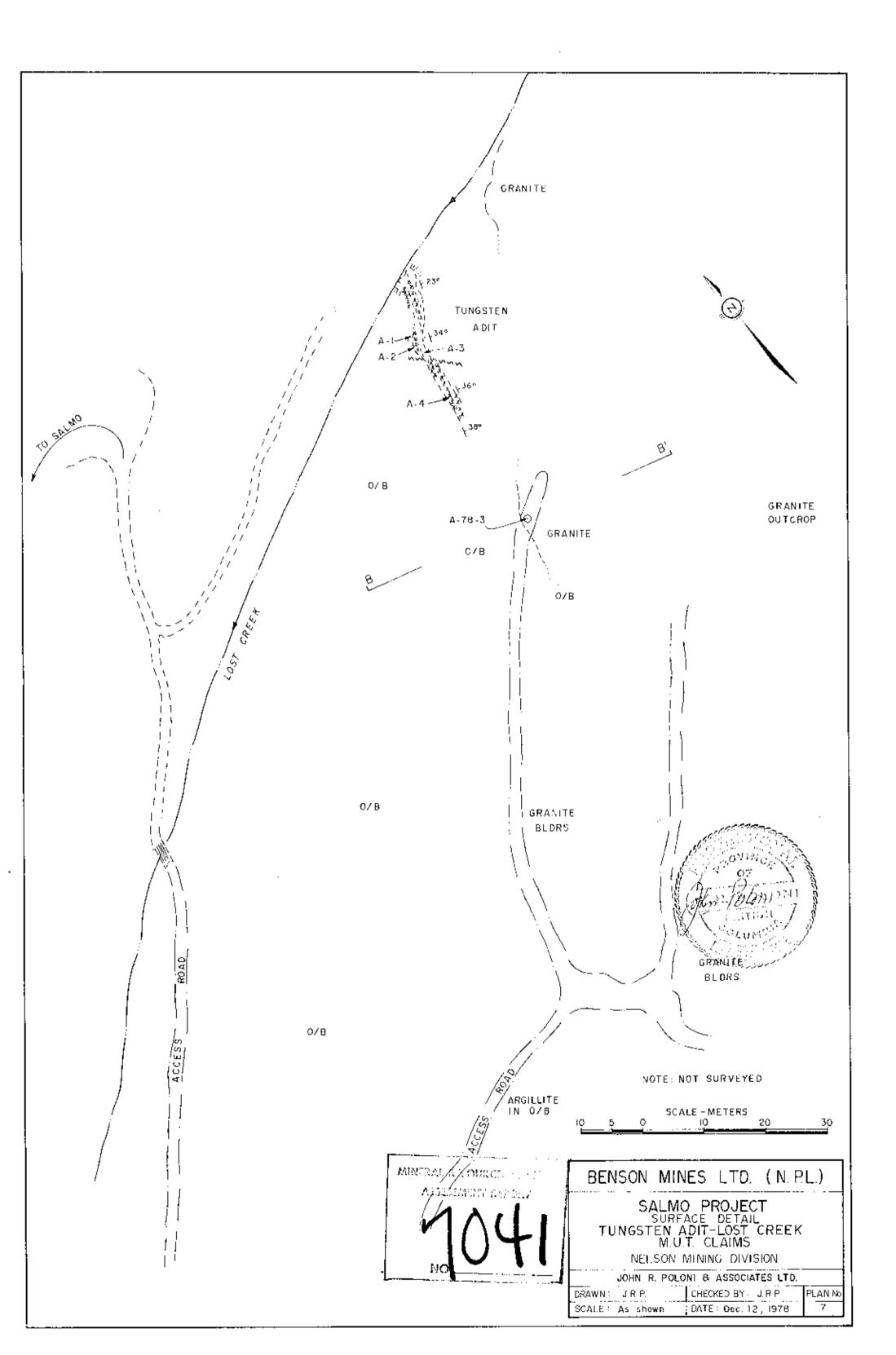
BENSON MINES LTD. (N.P.L.)

SALMO PROJECT SECTION A-A' M.U.T. CLAIMS

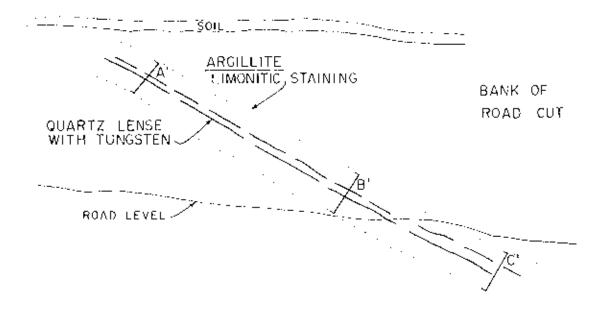
NELSON MINING DIVISION

JOHN R. POLONI & ASSOCIATES LTD.

DRAWN:	JRP.	 CHECKEO BY: J.R.P.	PLAN No	
SCALE:		DATE: Dec 12, 1978	6	



LOOKING NORTH EAST



SAMPLE LOCATIONS DATA

No WIDTH WC3%
18942 .m TR (IN BANK MANIFOAL DE DURCES BRANCH
8 18943 lin 0.09 (IN BANK) A-DER OF TAY
C 18944 l5m 0.15 (ON R040)



SCALE - METERS

BENSON MINES LTD. (N.P.L.)

SALMO PROJECT DETAILED SAMPLING "1% SHOWING"

NELSON MINING DIVISION

JOHN R. POLONI & ASSOCIATES LTD.

ORAWN: JRP CHECKEO 64 JRP

SCALE: As shown DATE Dec. 12, 1978

PLAN No B

