

1979 Assessment Report
Diamond Drilling

TITLE TROUT LAKE PROPERTY

CLAIM Lemar 3

COMMODITY Mo

LOCATION 5 km due west of Trout Lake, on the
west side of Wilkie Creek
Longitude 117°37'W Latitude 50°38'N
Revelstoke Mining Division 82 K/12

BY S.G. Enns

FOR AMAX OF CANADA LIMITED

WORK PERIOD September 6 - 13, 1979

MINERAL RESOURCES BRITISH COLUMBIA
ASSESSMENT REPORT
7668
NO.

AMAX VANCOUVER OFFICE

part 2
1 of 2

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SUMMARY

This assessment report presents results of drill hole LM-1 on Lemar 3 claim, drilled by AMAX during the period September 6-13, 1979. The Lemar 3 claim, situated 5 km due west of Trout Lake on the west side of Wilkie Creek, consists of 6 units optioned by AMAX from JOA Resources in March 1979.

Diamond drill hole LM-1, driven to a depth of 177.5 m (582 feet), encountered patchy, narrow (1 to 5 metre) hornfels zones in otherwise unaltered dark grey calcareous phyllite. No significant mineralization was intersected.

A field cost of \$13,658.80 was applied for assessment to Lemar 3 for 10 years.

INTRODUCTION

Location and Access

The property is located approximately 5 km due west of Trout Lake, a fishing resort 80 km (50 miles) south-east of Revelstoke in the Revelstoke Mining Division. It is situated on the west side of Wilkie Creek, immediately adjacent to, and west of Newmont's Trout Lake molybdenum deposit. 4.2 km of logging road provide access onto the property from Highway 31 (Figures 1 and 2).

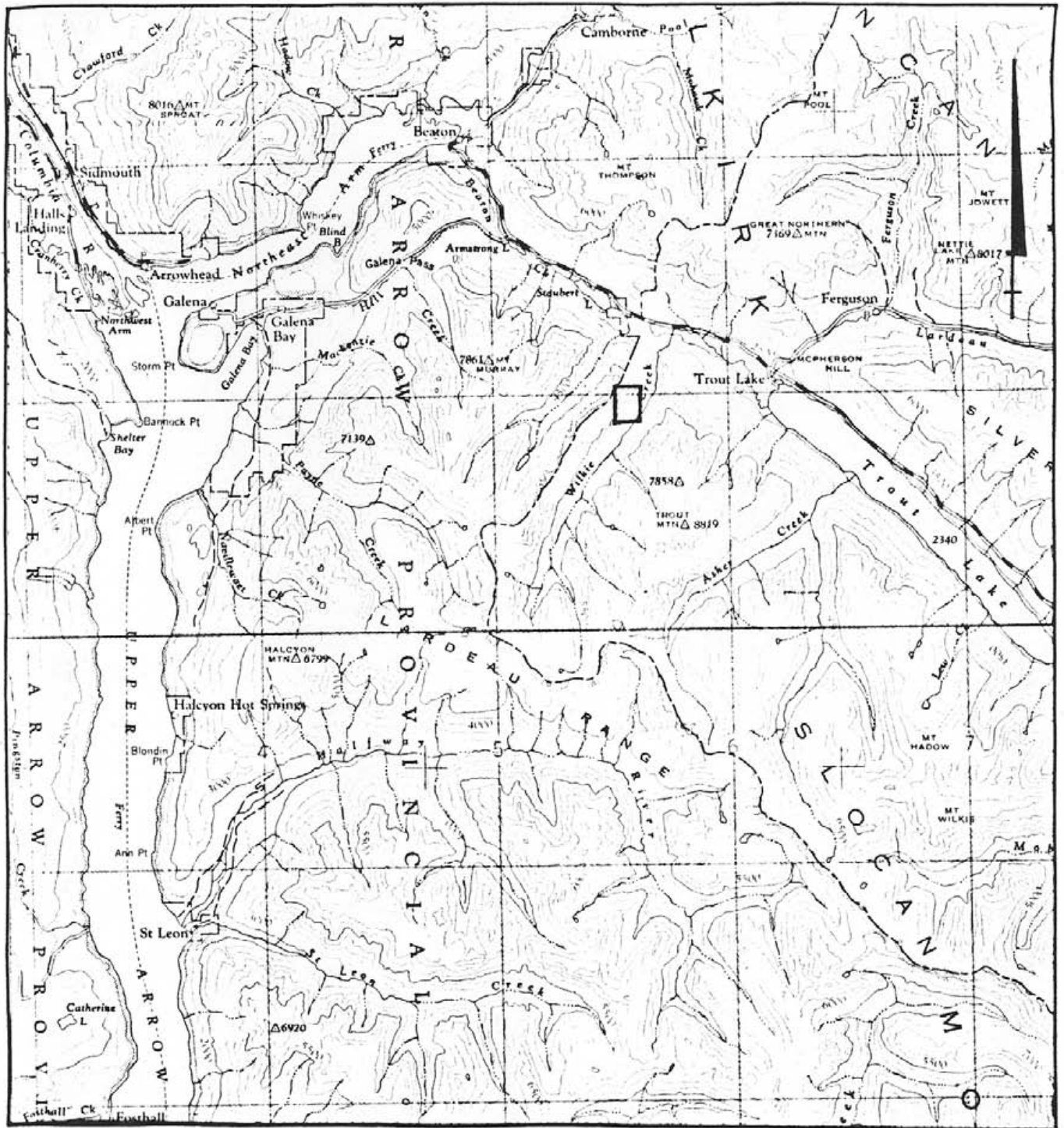
Property Definition

Lemar 3 (6 units) was staked on November 5, 1977 by R. Leighton, agent for E. Marlow. Wholly owned by JOA Resources, the claim was optioned to AMAX in March 1979. Figure 3 shows the boundaries of Lemar 3 on a scale of 1:5000. It is surrounded entirely by competitor claims.

Physiography

The claim lies on the east facing slope of the lower Wilkie Creek valley, between elevations 1100 metres and 1800 metres. Topography is rugged with some of the slopes averaging 38° to 44° .

Virgin stands of cedar, spruce and balsam timber cut by thick brushy alder-maple avalanche chutes cover the entire claim. The northeastern extreme corner of the claim is masked by glacial overburden. Outcrops and local float are common over the remainder of the property and provide reasonable geologic information.



N.T.S. Ref. 82 K 12



FIGURE 1 - INDEX MAP

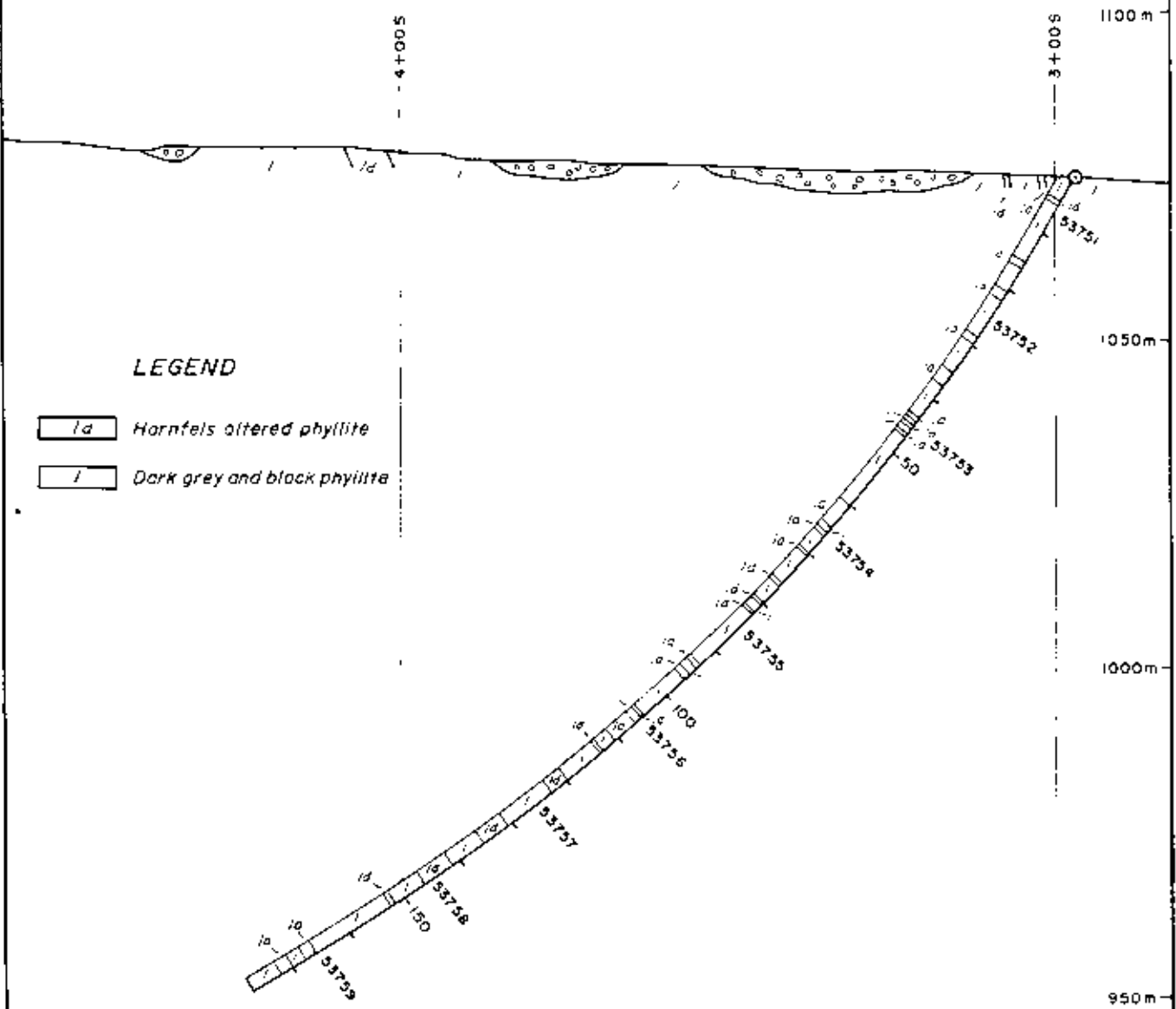
1979 DRILLING

One NQ (1-7/8" diameter) diamond drill hole was driven to a depth of 177.5 metres (582 feet). The drill hole was collared approximately 300 metres south of LCP Lemar 3 at an elevation of 1075 metres (Figure 3). It was set at an inclination of -60° on a bearing of 198° az. Contractor for the job was Connors Drilling of Vancouver, B.C. using a Longyear Super-38 drill.



Core recovery was generally 100% and averaged 98.3% over the entire hole. All core was logged and 2 metre splits were systematically taken at 20 metre intervals. Splits were geochemically analyzed for Mo, Cu, Ag, Pb and Zn by Rossbacher Laboratory, Burnaby. The core was put in storage at the Marlow Farm located on Pollman Creek, northwest of Trout Lake on Highway 31.

Drilling tested an exposed zone of hornfels-altered phyllite and an induced polarization anomaly. \$13,658.80 was applied for ten years assessment toward Lemar 3.

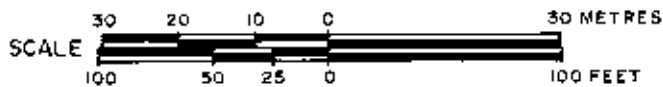
DRILL SECTION
LOOKING NORTH WEST



LEGEND

-  Hornfels altered phyllite
-  Dark grey and black phyllite

AMAX OF CANADA LIMITED
 TROUT LAKE PROPERTY
 REVELSTOKE MINING DIVISION - BRITISH COLUMBIA
 DIAMOND DRILL HOLE LM-79-1



1:1,000

Vancouver -

N.T.S. Ref. 82K12

FIG. 4

RESULTS

Predominant lithology is grey to black calcareous phyllite with grit interbeds. Narrow bleached hornfels sections are present throughout the length of the hole. These sections measure less than 1 metre to a maximum of 5.5 metres in apparent width and constitute 24% of the total core length. Quartz veins vary from one per metre to a maximum of 12 per metre. Occasional minor sphalerite and galena are present in 1 to 4 mm wide cross-cutting quartz veins. Trace molybdenite is present in seven occurrences. Pyrrhotite from one to 3 per cent is common throughout the core. The drill section is shown in Figure 4 and drill logs are given in Appendix II.

No significant molybdenum or base metal mineralization was encountered, nor do geochemical data show metal increase with depth. Sample numbers are entered on drill logs in Appendix II. The results are listed:

<u>Sample</u>	<u>No</u>	<u>Cu</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>
53751	3	44	0.2	90	120
53752	2	56	0.2	12	100
53753	1	36	0.2	10	44
53754	1	28	1.8	48	760
53755	1	20	0.2	10	34
53756	1	26	0.2	12	48
53757	2	52	0.2	20	84
53758	1	56	0.2	6	80
53759	1	32	0.2	4	68

S. G. Enns Dec 4/77.
S.G. Enns

APPENDIX I - STATEMENT OF COSTS

LEMAR 3

Summary of Work Drilling
Period of Work September 6-13, 1979

Costs

Personnel

S.G. Enns; Geologist, Drill Supervisor and Core Logging
601-535 Thurlow Street, Vancouver, B.C.
September 6-13 8 days @ \$129.60 1,036.80

Drilling

Connors Drilling, 205-1201 W Pender Street, Vancouver, B.C.
Invoice #9691; 582 feet NQ core 12,222.00

Room and Board 8 days @ \$25.00/day 200.00

Transportation

Canuck Truck Rental Ltd., Prince George, B.C.
3/4 Ton w/winch and canopy
Invoice #6451 8 days @ \$25.00/day 200.00

TOTAL \$13,658.80

To be applied to LEMAR 3 for 10 years

APPENDIX II

DRILL LOGS

original copy.

Trent Lake DIAMOND DRILL RECORD

DDH #: LM-1 COORDINATES: _____ BEARING/DIP/DEPTH: 198/-60°/177.5m (582')
 SECTION: _____ COLLAR ELEVATION: 107.5 m DRILLING COMMENCED: Sept 8 /79
 CASING DEPTH: 3.7 m (12') DRILLING COMPLETED: Sept 14 /79
 CASING: LEFT IN PULLED LOGGED BY: S. Enns 0-132 m; D. Gregory (32-177.5m)
 OVERBURDEN DEPTH: 3.5 m DRILLED BY: Connors Drilling, Vancouver BC
 CORE SIZE: NR

SURVEY SUMMARY

ASSAY SUMMARY

GEOLOGIC SUMMARY

SURVEY SUMMARY				ASSAY SUMMARY				GEOLOGIC SUMMARY	
DEPTH	DIP	BEARING	METHOD	INTERVAL				INTERVAL	LITHOLOGY
156.5m (515')	-29 1/2°		Acid Test.					0-177.5	Grey calcareous phyllite w narrow samples altered zones 1-5m wide.
<p><u>Abbreviations Key:</u> Foln - foliation Alt'd - altered Tr - trace X - cross cutting fg - fine grained disc - disseminated Oc - occasional H - parallel V - vein Bn - breccia w/ - with wh - white</p> <p><u>HCl Test:</u> 1 weak 2 moderate 3 strong (as in limestone)</p> <p><u>Magn Test:</u> 1 weak 2 moderate 3 strong (as w magnetite)</p>									

AMAX POTASH LIMITED

TROUT LAKE

PROJECT

DDH LM-1

SHEET 1 OF 10

Box	Metre	Lithology %	Structure %	Alteration %	Mineralization					HCl Test	Mag. Test	Assay			Remarks	
					Py	Po %	Gal.	Sph	MoS ₂			Sample	Introd.			
															0-3.7 overburden.	
	2	OB														
Box 1	4	Gry Phyll. 1/2 Alt'd Phyll.	2 3	Hornfels		1-2% diss	minor	minor		2	1				3.7-4.2 Gry calc. Phyll. - strongly fold. Cal vein 4cm @ 3.7 complex chevron folds of fine gr. micas	
	6	X	10	<1						X	X				4.2-5.4 Hornfels Alt'd Phyll - fgr. brn. Biot, and bleached weaker foln, variable Xcutting 1-5mm Cal. vein w/ bleached envelopes - shado. irregular white Qtz Cal vein 2-25mm Po diss fgr and coarser along foln planes. white Qtz veinlet w/ Po and minor Gal, Sph @ 4.6m	
	8	Gry Phyll	10	<1												5.4-15.3 Gry Phyll. strongly foliated Abund. calc. gtause lenses. 1-5mm wide Gry ls @ 11.5 - 12.1 m High Qtz content @ 13.5 - 13.7m Xcutting Qtz - Cal v. 5mm w/ Po and minor Sph @ 6.5m
	10	X	10	<1		3% diss		minor								
Box 2	12	X	10	<1						2					@ 9.4 m Po diss fgr throughout.	
	14	X	10	<1												
	16	X Alt'd Phyll.	5 5	2 2	Hornfels					2	<1				15.3-16.7 Hornfels Alt'd Phyll (weaker than 4.2m) F. gr. diss Po locally variable often as 1mm seams // foln Calciferous-Qtzose lenses preserved. Occ. Qtz-Cal v 1-2mm Po-Tr MoS ₂ @ 16.0m 3cm Qtz v w/ Po, minor Gal. Tr MoS ₂ (fine gr.) minor Py @ 16.5m	
	18	X Gry Phyll	10 10	2 <1		1-2%									16.7-20.4 As frms 5.4-15.3 m Lenses less calciferous minor fine brn Biot present Po association w/ blk Graphite rich filtration planes Occ Qtz - Cal v Xcutting Phyll.	

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TROUT LAKE PROJECT

DDH LMI SHEET 2 OF 10

Box	Metres	Lithology	Structure		Alteration	Mineralization				HCl Test	Mag Test	Assay	Remarks
			In	Wt %		Py	Gal	Sph	MoS ₂				
Box 4	20	Ald Phyll	7	<1	Bleached Hornfels								<p>20.4-28.0 Ald Phyll. Brn Bist. Strongly fol'd 35-45° w/ clear Scm Qtz (± Cal) V. Yawting fol'n. Po w/minor Py and MoS₂. Py along fractures; Fg. Po diss and conc. along fol'n. 2% 7-cav. Prob microbrecc along fol'n planes as slits. Cal present in most light coloured bands & in veins.</p> <p>22.0-29.1 Bk to DK Gray Phyll. As above but more graphitic content. Light col. lenses of gypse-cal. material. Strong fol'n. Po diss 3% locally as 1mm discout. seams. H fol'n increase Py along fracture coatings. Broken core 26.5-28.1. Sliker-sided fragments. Prob sh @ 28.0. Calcareous light col. lenses. mod HCl. Diss. 26.4-28.1 Broken Core</p>
	22		7	<1		45							
	24	7	<1	45									
	26	6	<1										
	28	7	1										
Box 5	30	Ald Phyll	7	1	Strong Hornfels								<p>29.1-30.0 Ald Phyll. - strongly foliated. 2cm Qtz Cal V. w/ Po. v. fg. MoS₂ & T. Ga. Py accessory as distinct coatings. (MoS₂ as calcareous dusting?) alternating Brn Bist. w/ gypse-cal. lenses & veins.</p> <p>30.0-35.0 Bk to DK Gray Phyll. - as in 22.0-29.1 M. Strongly fol. w/ tight crenulations as small scale closed chrom fol'ds. 0.1 M Lost Core @ 30.9 0.2 M Lost Core @ 33.6 5mm Qtz Cal V. @ 31.8 w/ Po T. Sph. 1cm White Calc Qls V. @ 33.2 w/ Py.</p>
	32		9	1									
	34	9	<1										
	36	7	<1										
Box 6	38	Ald Phyll	7	<1	Bleached Hornfels								<p>35.0-37.8 Ald Phyll. Strongly foliated w/ variable schistosity due to small scale folds. 6cm wh Qtz V. Yaw by 2mm Qtz veinlet. Min w/ Po, Minor Sph. @ 37.6 Aldn weak 35.0-36.0 then increases intensity.</p>
	36		7	<1		50							

Box 4

Box 5

Box 6

53572

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DDH LM 1 SHEET 3 OF 10

Box	Metres	Lithology	Structure		Alteration Growth/Shear/Hornfels	Mineralization				HCl Test	Mag. Test	Assay		Remarks
			m	cm		P ₂	P ₆	Gal	Sph			MoS ₂	Sample Interval	
Box 7	38	Gry Phyll	5	41.55										37 B-54.0. DK Gry Phyll. Strongly foliated and locally laminated w/ Qtz-Cal/Gra+mica bands 1-5mm. Foliation variable. 10cm Bx section @ 39.3. Shear indicated by "kinked" fol. pattern @ 41.3-41.6. @ 45.8-46.0 @ 48.0-48.2 @ 48.9-49.1 @ 52.5-52.7 @ 52.9-53.1 @ 50.3-50.5 Calcite content present in small amount in small Qtz. & as subordinate component in pale coloured bands of grey phyll along w/ quartzose material. Narrow thin black hornfels and bleached phyll @ 43.2-43.5 43.7-44.7 44.8-45.3 46.3-46.9. Locally where Bk Phyll due to higher graphite content P ₆ disc along fol. up to 4%. 5mm Qtz (cut) w/ P ₆ and Sph. @ 46.4. Several narrow Qtz veins 1-3mm w/ bleached envelopes. Occasional w/veinlets accm by shuffling of gr. Bk. Bk.
	40		5	41										
	42		5	3										
	42		6	3	local narrow Hornfels zones 2.1m.									
Box 8	44	Gry Phyll	5	4										← 53073 →
	44		4	3										
	46		4	4										
	46		4	3										
Box 9	48	Gry Phyll	3	3										Locally where Bk Phyll due to higher graphite content P ₆ disc along fol. up to 4%. 5mm Qtz (cut) w/ P ₆ and Sph. @ 46.4. Several narrow Qtz veins 1-3mm w/ bleached envelopes. Occasional w/veinlets accm by shuffling of gr. Bk. Bk.
	48		4	3										
	50		4	3										
	50		6	3										
Box 10	52	Gry Phyll	6	5										Locally where Bk Phyll due to higher graphite content P ₆ disc along fol. up to 4%. 5mm Qtz (cut) w/ P ₆ and Sph. @ 46.4. Several narrow Qtz veins 1-3mm w/ bleached envelopes. Occasional w/veinlets accm by shuffling of gr. Bk. Bk.
	54		6	3										
	54		7											
	56		6	3										
56	10													

37 B-54.0. DK Gry Phyll. Strongly foliated and locally laminated w/ Qtz-Cal/Gra+mica bands 1-5mm. Foliation variable. 10cm Bx section @ 39.3. Shear indicated by "kinked" fol. pattern @ 41.3-41.6. @ 45.8-46.0 @ 48.0-48.2 @ 48.9-49.1 @ 52.5-52.7 @ 52.9-53.1 @ 50.3-50.5 Calcite content present in small amount in small Qtz. & as subordinate component in pale coloured bands of grey phyll along w/ quartzose material. Narrow thin black hornfels and bleached phyll @ 43.2-43.5 43.7-44.7 44.8-45.3 46.3-46.9. Locally where Bk Phyll due to higher graphite content P₆ disc along fol. up to 4%. 5mm Qtz (cut) w/ P₆ and Sph. @ 46.4. Several narrow Qtz veins 1-3mm w/ bleached envelopes. Occasional w/veinlets accm by shuffling of gr. Bk. Bk.

Feet Box	Metres	Lithology	Structure m	Alteration Hydro/Silica/Hornfels	Mineralization			HCl Test	Mag. Test	Assay		Remarks
					P ₂	P ₆	Gal Sph MoS ₂			Sample Interval		
Box 11	58		10	cl								54.0-60.5 DK Gray Phyll strongly foliated and w/ numerous white clean calcite bands - coarse calcite. 1-5cm narrow grit bands. 10-30cm wide become increasingly common. M. gr w/ occ blue Qtz clasts.
			10	cl		2-3		2	cl			
	60		10	cl								
			6	cl								
			6	cl								
			5	cl								
			6	cl								
			7	cl								
			6	cl								
			7	cl								
Box 12	66		7	1								65.0-72.0 DK Gray Phyll. Strongly foliated and laminated. Narrow interbeds of light coloured med grained grit 5cm to 50cm wide. Also w/ calcite ls bands 5-10cm. * Higher degree of fracty prob. due to drill technique in differential hard/soft rock caused by grit beds Local alt'd Phyll as narrow bands @ 66.4-66.8 @ 69.9-70.1 @ 69.1 in grit. P ₆ blebs locally coarse but confirmable in thin.
			7	4								
			14	4	40							
			13	1								
			15	1	50							
			14	1								
			14	1								
			16	4								
			16	2	50							
			16	1								
Box 13	74		16	1								72.0-77 DK Gray Phyll w/ interbedded grit beds up to 70cm wide @ 76.3. 3% P ₆ dis in Gray Phyll - ~1% in grits. Very wk alt'd @ 71.8-72.5 corresp. to increase in Qtz(Cal)V also @ 76.3-77.7 Blocky calc as above Minor Sph 1-10mm Qtz(Cal)V Occ. Py. @ 75.5
			5	2								
	76		5	2								

54.0-60.5 DK Gray Phyll strongly foliated and w/ numerous white clean calcite bands - coarse calcite. 1-5cm narrow grit bands. 10-30cm wide become increasingly common. M. gr w/ occ blue Qtz clasts.

60.5-65 Alt'd Phyll. Less intense near margin increasing intensity 62.0-64.2, accomp by more Qtz veins 2-15mm. Sph accomp P₆ w/ narrow Qtz (Cal) V. in minor alt'd secth. P₆ content increases 4-5% in most intensely alt'd secth. QtzV show bleached envelopes. Tr. v. gr MoS₂ specks @ 62.9. Py on fractures occ.

65.0-72.0 DK Gray Phyll. Strongly foliated and laminated. Narrow interbeds of light coloured med grained grit 5cm to 50cm wide. Also w/ calcite ls bands 5-10cm. * Higher degree of fracty prob. due to drill technique in differential hard/soft rock caused by grit beds. Local alt'd Phyll as narrow bands @ 66.4-66.8 @ 69.9-70.1 @ 69.1 in grit. P₆ blebs locally coarse but confirmable in thin.

72.0-77 DK Gray Phyll w/ interbedded grit beds up to 70cm wide @ 76.3. 3% P₆ dis in Gray Phyll - ~1% in grits. Very wk alt'd @ 71.8-72.5 corresp. to increase in Qtz(Cal)V also @ 76.3-77.7. Blocky calc as above. Minor Sph 1-10mm Qtz(Cal)V Occ. Py. @ 75.5

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TROUT LAKE PROJECT

DDH L M 1

SHEET 5 OF 10

Box	Metres	Lithology	Structure		Alteration	Mineralization					HCl Test	Mag Test	Assay		Remarks		
			In	Out		Py	Po	Gal	Sph	MoS ₂			Sample Interval				
Box 14	76		5	2	weak Hornbls							↑	↑				
		Gry	15	0					minor								
		Phyll	16	1					2.2%								
			17	2													
			17	2	weak Hornbls Zones							2	<1				
			16	1													
Box 15	82		15	1					minor			X	X				
		X	5	<1													
		X	4	<1													
			5	<1													
			6	<1								2-3					
			5	<1													
			5	<1													
			4	2						minor accamp Po							
			4	3													
			5	2													
Box 16	92		4	1					minor								
			4	2													
			3	2													
			4	2													
		4	2														
		4	2														
		4	2														
		4	2														
		4	2														
		4	2														

77.0-83.0 DK Gry Phyll as above but w/ lesser grit interbeds
 Wk Hornbls Alt'd Phyll @ 79.7-79.9
 @ 80.1-80.6
 @ 81.0-81.4
 @ 81.8-82.5

Foln exhumated 82.0-83.0m
 2-4 mm Wk-Dk (cal) veins w/ subord. sph. accump. Po
 Blocky Core as above & as 5 cm lengths

83.0-95.6 DK Gry Phyll
 Interbedded w/ xelline ls beds 1-15cm wide
 mgr calcareous grit interbeds
 Strong fol'n but only locally consistent. Most of intersection
 displays pene contemp. deform. resulting in complex
 fol'n pattern of siltstone and grit beds
 Stronger Po content assoc'd w/ Blk graph rich sections
 of Phyll (4-5% diss) for approx 1/2 of this section
 esp @ 85.0-92.0
 Abund. calcite indicated by HCl fizz over most of section
 91.7-91.8 - Po ~ 10% diss. w/ Tr Sp

Hyd. Alt'd sections - weak and narrow:
 @ 93.7-94.2

Minor Sph in (cal) V @ 91.5 - most veinlets w/ 4mm
 wide and contain pred. Po.

AMAX POTASH LIMITED TROUT LAKE PROJECT

DDHLM-1 SHEET 6 OF 10.

From Box	Moisture %	Lithology	Structure		Alteration	Mineralization			HCl Test	Mag. Test	Assay		Remarks
			Grain	Grain		P ₂	P ₆	Gal			Sph	MoS ₂	
Box 17	96	X Grit w/ interbeds of Grys Phyll	4	1	↑ Hornfels ↓		X			X			<p>95.6-110.5 Reductive to Med. Grained grit. (graywacke) calcareous. with several interbedded DK Grys to Bkt phyllite 5 to 50 cm wide. Also w/ coarse Xaline LS beds (as conifer veins) Grit-grauke weakly foliated. K1-Sam Hornfels altered sections: @ 95.6-96.5 @ 105.1-105.9 @ 106.6-110.5 P₂ overall 1%; 2-3% med-gr. blebs in Bkt Phyllite sections. Numerous small scale slips and extensive pre-entamp. deformation in Bkt. Phyll. sections. Also present in more massive grit section. Veins w/ pred. Po, minor Sph. (?) Tr. MoS₂ ducting @ 106.9. Intensity of Hornfels @ 106.6-110.5 variable mostly weak to mod intense. Strong only in these 10-30 cm sections. Trace tetrahedrite(?) @ 105.5</p>
	X		4	1			19.0 overall 1.5% to 2.5%	minor		3	0		
	98		4	1				minor		2 in phyll sections			
	X		4	1	variable								
	100	X		4	1								
Box 18	102		5	1									
	X		5	2									
	104	X	6	1									
	X		5	2	SS								
	106	X	4	2									
Box 19	108	X Ald Grit	3	2	Hornfels								
	X		4	3	Hornfels Egr. shredgy brn Biot and Po.								
	X		4	2									
	110	X	4	2	unaltered								
	X		8	2	variable								
112	X Gry Phyll	20	3										
114	X	18	2	Hornfels ↓									

95.6-110.5 Reductive to Med. Grained grit. (graywacke) calcareous. with several interbedded DK Grys to Bkt phyllite 5 to 50 cm wide. Also w/ coarse Xaline LS beds (as conifer veins) Grit-grauke weakly foliated. K1-Sam
Hornfels altered sections: @ 95.6-96.5
@ 105.1-105.9
@ 106.6-110.5
P₂ overall 1%; 2-3% med-gr. blebs in Bkt Phyllite sections. Numerous small scale slips and extensive pre-entamp. deformation in Bkt. Phyll. sections. Also present in more massive grit section.
Veins w/ pred. Po, minor Sph.
(?) Tr. MoS₂ ducting @ 106.9.
Intensity of Hornfels @ 106.6-110.5 variable mostly weak to mod intense. Strong only in these 10-30 cm sections. Trace tetrahedrite(?) @ 105.5

110.5-116.0 DK Grys Phyll. w/ minor gneiss interbeds. Abund. calc-gtase narrow lenses.
Very blocky core mostly thru out.
and the Altin @ 113-112.4 (Bleaching and @ 115.4-115.5 Ban Biotite)

Foot Box	Metre	Lithology	Structure		Alteration		Mineralisation			HCl Test	Mag. Test	Assay				Remarks
			Am	Vol %	Hydroth/Steam/Hornfels	P ₃	P ₂	Gal	Sph			MoS ₂	Sample Interval			
Box 20	114															Junker Blk (more graph + Potash) section 114-115.
	95			20	2	30										
	20			20	3											
Box 21	116	X		19	4											116-120.3 DK Gray Phyll ^{to Blk} as above. w/ minor clastic beds (pyroxene)
	7	Gray Phyll.		7	4											
	7			7	4											
	7			7	4											
	8			8	4											
Box 22	120	X		7	2											120.3-122.9 Altd Phyll and interbedded gne. (as above) Trace MoS ₂ as dusting 120.9. P ₃ becoming more common in gne. (col) & Gray gne. clay material common throughout causes stripe patterns
	7	Altd Phyll		7	2											
	6			6	2											
	7	DK Gray Phyll		7	4											
Box 23	124	X		11	4											122.9-131.3 DK Gray Phyll - strongly laminated & foliated. Hornfels sections @ 126.0p. - 126.4 @ 129. 5-10cm bands. Minor Gray @ 128.8. m slip w/ Po
	11			11	4											
	11			11	4											
	10			10	4											
	11			11	4											
Box 23	130	X		2	4											P ₂ diss - throughout Phyllite. Logged by SE ↑ Logged by D.G.
	11			11	4											
	6	Altd Phyllite		6	2											
Box 23	132	X		10	2											
	10			10	2											

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TROUT LAKE PROJECT

DDH LM-1 SHEET 8 OF 10

Foot Box	Metres	Lithology	Structure		Alteration	Mineralization				HCl Test	Mag. Test	Assay			
			Str.	W. Sph.		Hydroth/ston/Hmf/b	P ₃	P ₆	Gal			Sph	MoS ₂	Sample	Interv
Box 24	134	100 * altered Phyllite	20	2	Bleached and Brn Biot		50%								
			19	2						3	1				
	136	100 * Ox. purple limestone	5	11											
			6	11											
	138	100 * Phyllite + Carb. bands 50-50	5	11											
			4	11											
	140	100 *	7	11											
	140.3		4	4											
	142	70 * altered Brn Phyllite	5	4	Bleached and Brn Biot										
			6	4											
Box 25	144	100 *	9	4											
			6	4											
	146	100 *	4	4											
	146.5		5	4											
Box 26	148	100 * DK Phyll with wide Carb. sections	6	9	Brn Biot still present in altered narrow sections										
			7	9											
	150	100 *	7	0											
			7	0											
	152	100 *	3	4											

Bands of Phyllite + Carbonate highly contacted

146.7 @ 1/2 v. with massive Po.

← 53708 →

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DDH LMI SHEET 9 OF 10.

Foot Box	Metre	Lithology	Structure		Alteration	Mineralization				HCl Test	Mag. Test	Assay			Remarks		
			m	ft		Py	Po	Gal	Sph			MoS ₂	Sample Int'l				
1523	152				I Hmfels.						↑	↑					
		DK Phyllite fines ls bands	5	3													
	154		9	4				2			2	1					phyllite and carb bands finely laminated
			6	4													
	156		14	12													
Box 27			20	4													156 coarse wide carb bands/veins appear
			29	2													156.6 - 157.3 (ex qtz) veins in carb groundmass
Box 28	157.8		12	1													
			10	2													
	160		10	1													
			8	2													
	162		7	1													
			6	1	40												
Box 28	163.5		6	1													
			6	2													
	164		6	3													
			5	2													
	166		7	3													
			10	2													
	168		8	0													
			5	7													
Box 29	169.3																
	170																

phyllite and carb bands finely laminated

156 coarse wide carb bands/veins appear
156.6 - 157.3 (ex qtz) veins in carb groundmass

Carbonate bands are wide and have associated qtz
Phyll - carb bands laminated

Carbonate bands fewer and quite contacted

HCl is weak in main part of phyllite
but strong on carb bands.

Carb. bands contacted

Some pyrite with pyrrho. qtz.

AMAX POTASH LIMITED TROUT LAKE PROJECT

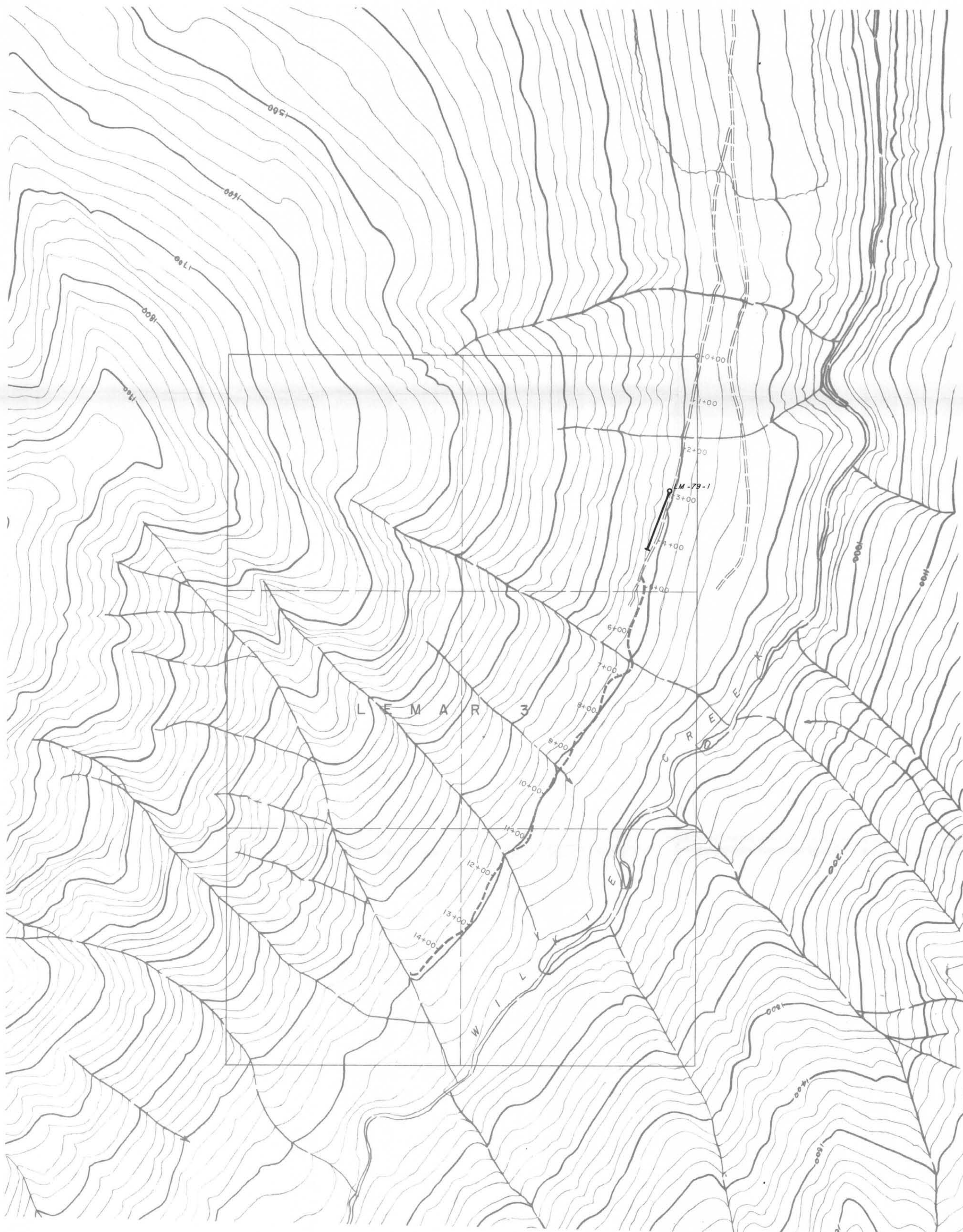
DDH LM 1 SHEET 10 OF 10

Ft Box	Metres %	Lithology	Structure		Alteration Serpent/Sphn/Hnt/ls	Mineralization			HCl Test	Mag. Test	Assay			Remarks
			%	Vol. %		Py	Pb	Gal			Sph	MoS ₂	Sample Interval	
Box 30	172	Altd Phyll.	6	7					2					some qtz in wide calc bands pyrrh mostly in calc bands 171.5 Trace of grey metallic? pyrrh & goethite in fractures 171.8 thick qtz sections, calc ground mass 173.6 wide qtz/calc bands; conlated Pyrrh appears to increase - mostly in fractures → 1%
		*	14	7	50			10%						
	174	100		10	7					X				
Box 31 174.9		Dark Phyll.	5	7	40									
	176		4	3						3				
			9	3										
Box 31 178		←→	5	3										
	178													Darker phyll has less carbonate 175.5 heavy qtz-calc bands Foliation conlated 176.5 heavy qtz-calc bands 177 heavy calc band - muggy calcite crystals - 177.5 going back into altered phyll at end of hole EOM







APPENDIX III

STATEMENT OF QUALIFICATIONS

NAME	S.G. Enns
ADDRESS	601-535 Thurlow Street Vancouver, B.C.
EDUCATION	4 year BSc (Honours Geology) 1967 University of Manitoba MSc (Ec. Geology) 1971 University of Manitoba
EXPERIENCE	Geol. Assistant Manitoba Mines Branch 1964(field season) Geol. Assistant Sherritt Gordon Mines 1965 " Geol. Assistant AMAX Exploration 1966-1970 " Staff Geologist Cerro Mining of Can. 1971 Staff Geologist Hudson's Bay Oil & Gas 1972 Staff Geologist BP Minerals of Canada 1973-1975 Staff Geologist BP Alaska Exploration 1975-1979 Staff Geologist AMAX of Canada 1979-



L E G E N D

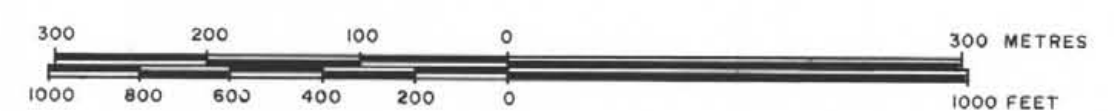
-  Diamond drill hole.
-  Legal corner post, claim boundary.
-  Claim unit boundary.
-  Road.
-  Stream.
-  Topographic contour (contour interval 20 metres).

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7668
Part 2
OF 2

AMAX OF CANADA LIMITED

TROUT LAKE PROPERTY
REVELSTOKE MINING DIVISION — BRITISH COLUMBIA

DRILL HOLE LOCATION



1:5,000

To accompany 1979 Assessment Report by: S. G. Enns.

S. G. Enns
Dec 4/79
Vancouver -