

1980 Drilling Assessment Report

TITLE	Tidewater Property
CLAIMS	Tide, Tide II, Tide 2, 3, 4, and 5 Crown Grants Success and Molybdenum
COMMODITY	Mo
LOCATED	5 km west of Kitsault, B.C. Latitude 55°28'N Longitude 129°34'W Skeena Mining Division 103 P 5
BY	P.N. McCarter and D.G. Allen, P.Eng. (B.C.)
FOR	AMAX of Canada Limited
WORK PERIOD	May 17 to June 7, 1980

AMAX VANCOUVER OFFICE

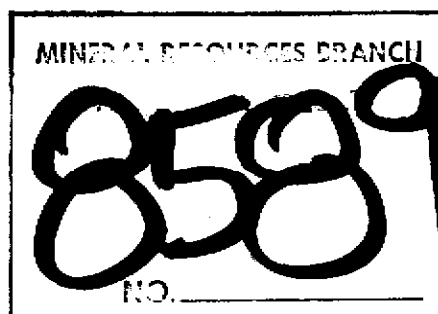


TABLE OF CONTENTS

SUMMARY----- 1

INTRODUCTION

 General Statement----- 2

 Location and Access----- 2

 Property Status----- 2

 Previous Work----- 2

 Scope of 1980 Program----- 3

REGIONAL GEOLOGY----- 4

PROPERTY GEOLOGY----- 4

1980 DIAMOND DRILLING

 General Statement----- 6

 Results----- 6

SUMMARY OF GEOLOGY AND MOLYBDENUM ASSAYS----- 7

REFERENCE----- 9

APPENDIX I - Drill Logs & Assays

 II - Statement of Costs

ILLUSTRATIONS

Figure 1 - Location Map-----1:250,000---After Page 2

2 - Claim Map-----1:50,000---After Page 2

3 - Geological Map-----1:5,000---In Pocket

4a - Geological Section Along Diamond
 Drill Hole TW-80-4-----1:2,000---After Page 6

4b - Geological Section Along Diamond
 Drill Holes TW-80-5 & 6--1:2,000---After Page 6

4c - Geological Section Along Diamond
 Drill Hole TW-80-7-----1:2,000---After Page 6

SUMMARY

Diamond drilling was conducted on AMAX's Tidewater molybdenum property during the period May 17 to June 7, 1980. Four holes, totalling 784.2 m (2,573') were drilled to determine the extent of molybdenite mineralization. Molybdenite is present along fractures, and in quartz-molybdenite veins within the Tidewater stock and the adjacent hornfelsed meta-sedimentary strata of the Hazelton Group. The best grade of molybdenum mineralization encountered in the drill core was 0.101% MoS₂ over 34 metres in DDH TW-80-4 in the zone of purple (biotitic) hornfels immediately adjacent to the stock.

INTRODUCTION

General Statement

Diamond drilling was conducted on the Tidewater molybdenum prospect during the period May 17 to June 7, 1980. The project, a continuation of the program initiated in 1979, was directed by P.N. McCarter under the immediate supervision of D.G. Allen.

Location and Access

The Tidewater property is situated near the head of Alice Arm (Observatory Inlet), 10 km northwest of the AMAX owned Kitsault Mine. Access is by float plane to Kitsault and by helicopter or boat from Kitsault (Figure 1) onto the claims.

Property Status

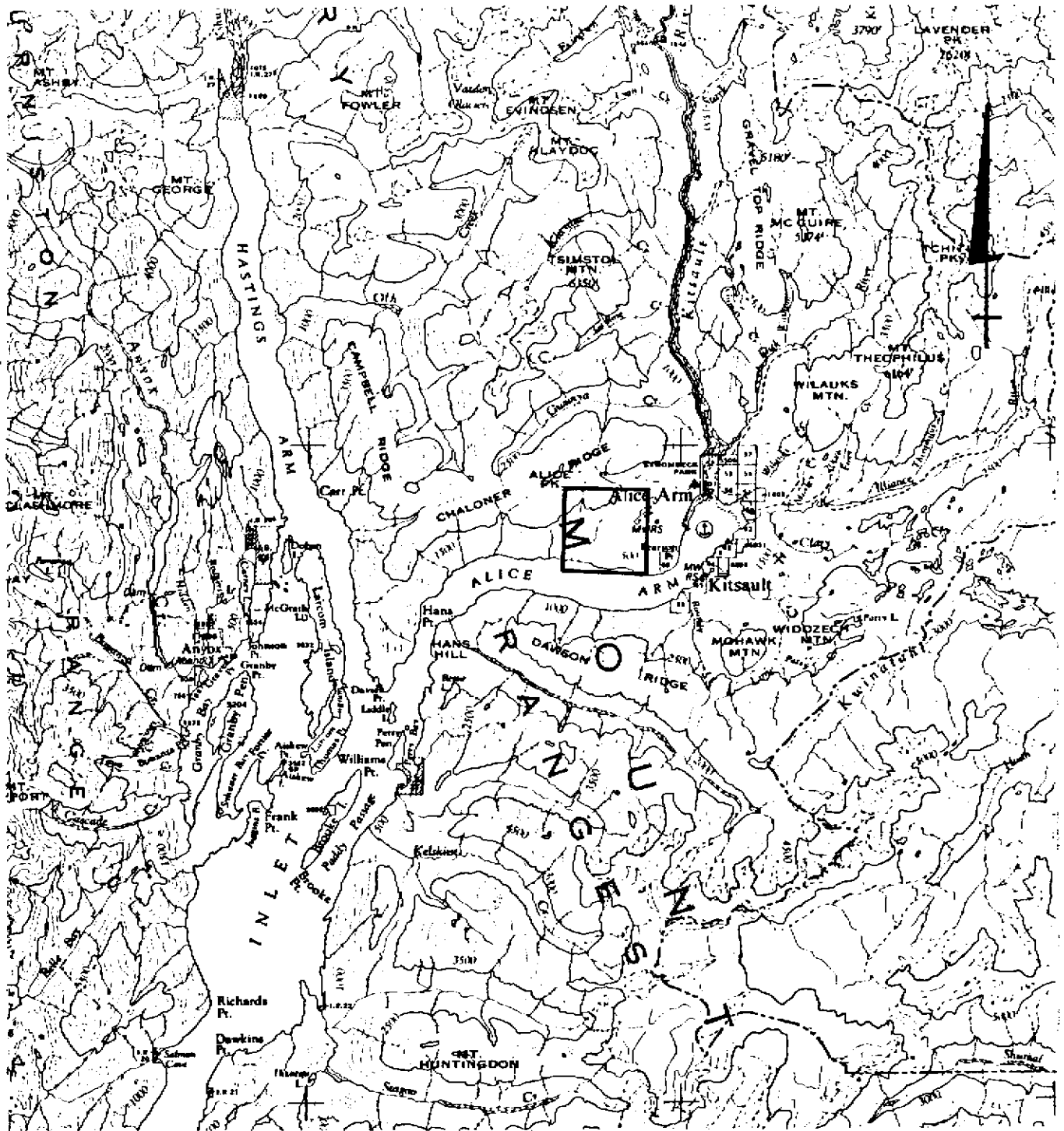
The property (Figure 2) consists of eight claims (2 crown grants plus 54 units as listed in the table below) under option from R. Dunn.

Claim	Record Date	Record Number
Tide	4 units July 20, 1977	395
Tide II	1 unit July 20, 1977	396
Tide 2	16 units April 18, 1979	1237
Tide 3	12 units April 18, 1979	1299
Tide 4	9 units April 18, 1979	1300
Tide 5	12 units April 18, 1979	1238
<u>Crown Grants</u>		
Success	June 28, 1977	375
Molybdenum	June 28, 1977	374

Previous Work

The Tidewater molybdenum prospect was discovered prior to 1916. In the period 1916 to 1931 underground development on a highgrade vein was carried out at sporadic intervals.

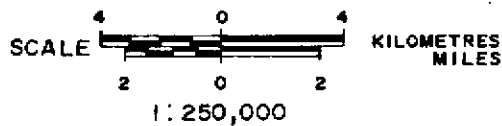
Canex Aerial Exploration (Placer Development) diamond drilled 12 shallow holes from underground workings and surface in 1964 and 1965.



AMAX OF CANADA LIMITED

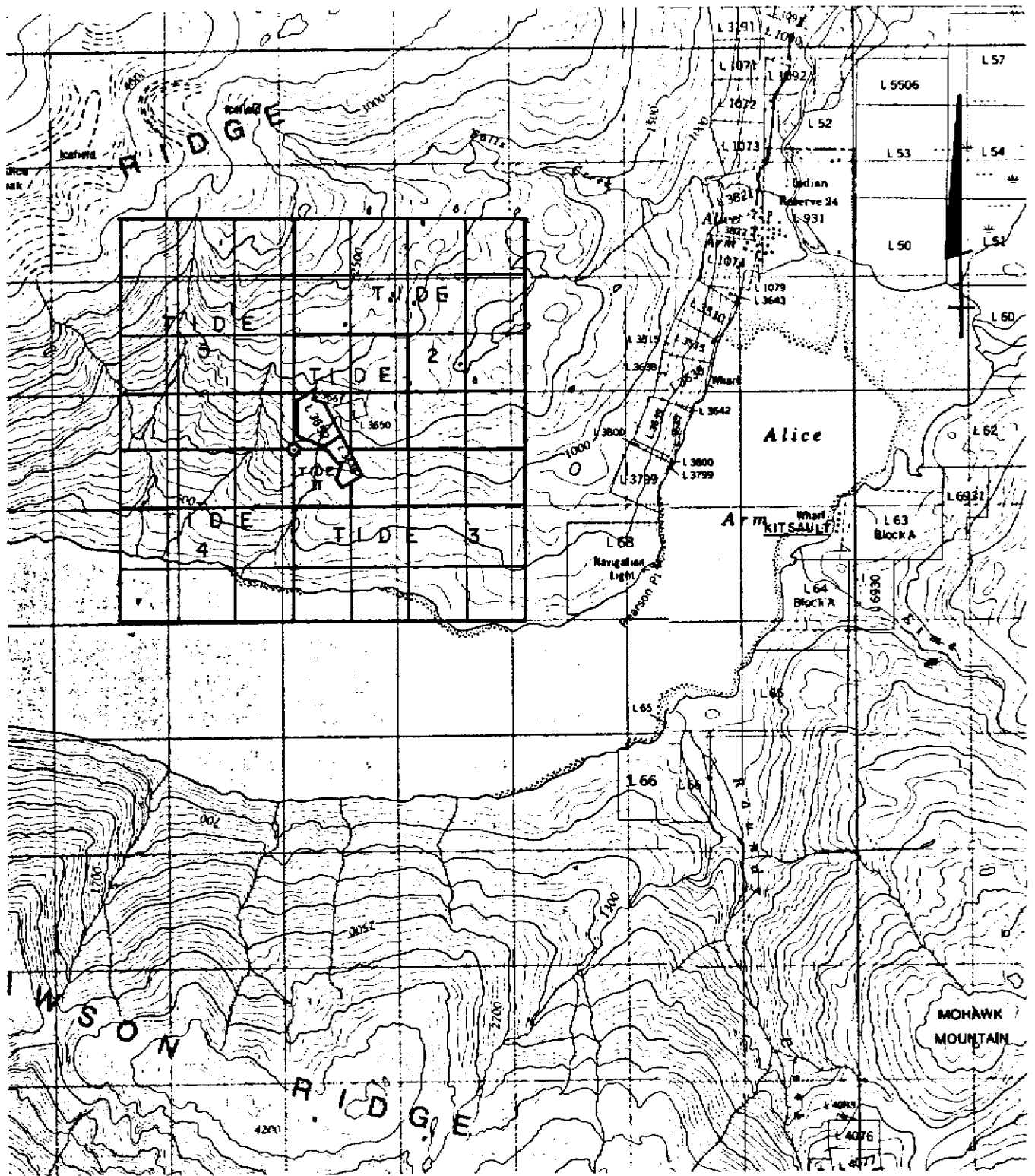
TIDEWATER PROPERTY
SKEENA MINING DIVISION — BRITISH COLUMBIA

LOCATION MAP



N. T. S. Ref. 103P5

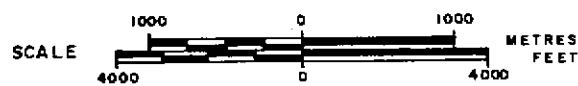
FIG. 1



AMAX OF CANADA LIMITED

TIDEWATER PROPERTY
SKEENA MINING DIVISION — BRITISH COLUMBIA

CLAIM MAP



1 : 50,000

N. T. S. Ref. 103 P 5
FIG. 2

In 1979, the property was optioned by AMAX, from R. Dunn and geologic mapping, geochemical sampling, geophysical surveys and 796 metres of diamond drilling in three holes was completed (Allen and LeBel, 1979).

Scope of 1980 Program

Four NQ holes totalling 784 metres were drilled on the Tide, Tide 2 and Tide 5 claims (Figure 3) to determine the extent and grade of molybdenite mineralization within the Tidewater quartz monzonite stock and in the adjacent hornfelsic argillites and siltstones of the Hazelton Group.

REGIONAL GEOLOGY

The Tidewater property lies about 2 km east and north of the contact of the Coast Range Batholithic Complex. Hazelton Group sedimentary rocks have been intruded by an irregular quartz monzonite stock. The stock is similar to some intrusive phases at other Alice Arm type deposits such as Kitsault, Roundy Creek and Bell Molybdenum. The Tidewater molybdenite occurrence is also comparable in age (53 m.y.), size of molybdenite and hornfels zones, associated alteration and chemistry.

PROPERTY GEOLOGY

The geology of the Tidewater property was described in the 1979 property report (Allen and LeBel) and is summarized below.

Hazelton Group sedimentary rocks in the claim area consists mainly of argillite, siltstone and greywacke. They are dark grey to black in colour and massive to thickly bedded. Fine grained massive tuff, light grey to purplish grey in colour occurs locally. Finely disseminated pyrrhotite occurs throughout the strata. Bedding attitudes generally strike west-northwest and dip to the north. Around the Tidewater stock, the sedimentary rocks have a characteristic purplish cast presumably as a result of the development of hydrothermal biotite (hornfels zone (Figure 3)). Thin skarn beds (<20 cm thick) intersected in drilling indicate a minor carbonate content.

The Tidewater stock outcrops over an area of 250 by 400 metres. It is irregular in outline and contains a number of roof pendants of hornfelsic sedimentary rocks. Drill hole data suggests that the stock may be mushroom shaped on the northeast side. Composition ranges from quartz monzonite to granite. Textures range from medium grained equigranular to porphyritic with quartz and feldspar phenocrysts up to 4 mm in diameter.

Quartz feldspar porphyry with an aphanitic groundmass is also common. Biotite (0 to 5%) occurs mainly in the equigranular phases. Although textures vary markedly over short distances, no contacts or cross-cutting relationships can be established. Both the stock and strata are transected by northeast-trending post-mineral andesite, diorite, dacite, basalt and lamprophyre.

Prominent structural features include northeast trending lineaments and dykes and a widespread zone of quartz veins that extends over much of the southern part of the property (an area of 2 by 3 km). Quartz veins (0.1 - 3 cm wide) statistically show two trends $052^{\circ}/65^{\circ}\text{NE}$ and $142^{\circ}/41^{\circ}\text{NW}$ with an average abundance of 1 per 2.5 metres. In the molybdenite zone abundance averages 2 per metres. A prominent quartz-molybdenite vein system up to 5 metres wide in Tidewater Creek was the object of early work on the property. Quartz veins in the Tidewater stock have an average abundance of six per metre and statistically reflect the northeast structural trend ($048^{\circ}/85^{\circ}\text{NW}$). Other weaker trends are flat ($164^{\circ}/25^{\circ}\text{E}$ and west ($000^{\circ}/85^{\circ}\text{S}$) to northwest ($145^{\circ}/67^{\circ}\text{SW}$), possibly reflecting a flat and radial system of quartz-filled fractures.

Molybdenite occurs in scattered banded quartz-molybdenite veins (including the vein system in Tidewater Creek), in quartz vein stockworks in and around the stock, as disseminations in the stock and as fracture coatings. Pyrite (<0.5%) occurs in quartz veins mainly in the stock. Scheelite occurs in a small percentage of the quartz veins and as disseminations in thin skarn beds in the hornfels. Minor amounts of galena and sphalerite are widespread in quartz veins.

Alteration includes silicification, sericitization and argillization mainly in the stock and along quartz vein margins. Alteration around the stock includes a patchy but locally strong hornfels development up to 350 metres from its contact. Weakly developed hornfels occur as much as 450 metres from the contact.

1980 DIAMOND DRILLING

General Statement

During the period May 17 to June 7, 1980, four diamond drill holes totalling 784.2 metres of NQ drilling (2,573') were completed on the Tidewater property. Drilling was conducted by Connors Diamond Drilling Ltd. of Kamloops using a Boyles 37A machine.

Core was visually logged, split and sampled at two metre intervals. Samples were crushed, prepared for assay and either assayed or geochemically analyzed by Rossbacher Laboratories, Burnaby. A skeleton core from each hole was shipped to Vancouver. The remaining core is stored on the property, 120 m southwest of the collar of drill hole 80-5.

Results

Weak molybdenum mineralization was encountered in holes DDH TW-80-4, 5 and 6. The best intercept graded 0.101% over 34 metres in the hornfels near the bottom of DDH TW-80-4. In addition, minor amounts of pyrite and pyrrhotite and trace amounts of chalcopyrite, sphalerite, and scheelite were encountered in the drill core.

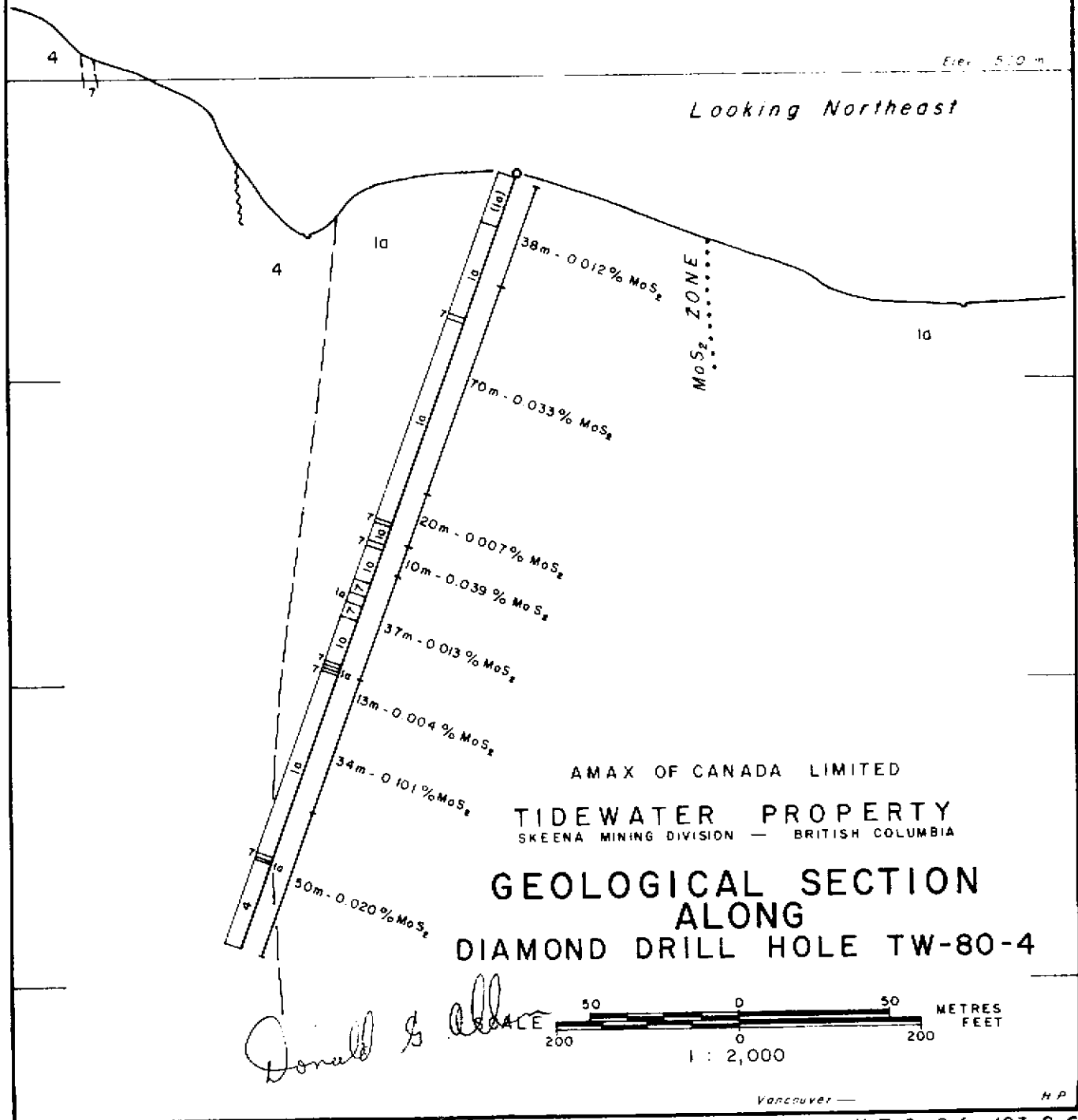
Summaries of geology and molybdenum assays given below are plotted on Figures 4a, b and c. Detailed assay results and drill logs are presented in Appendix I.



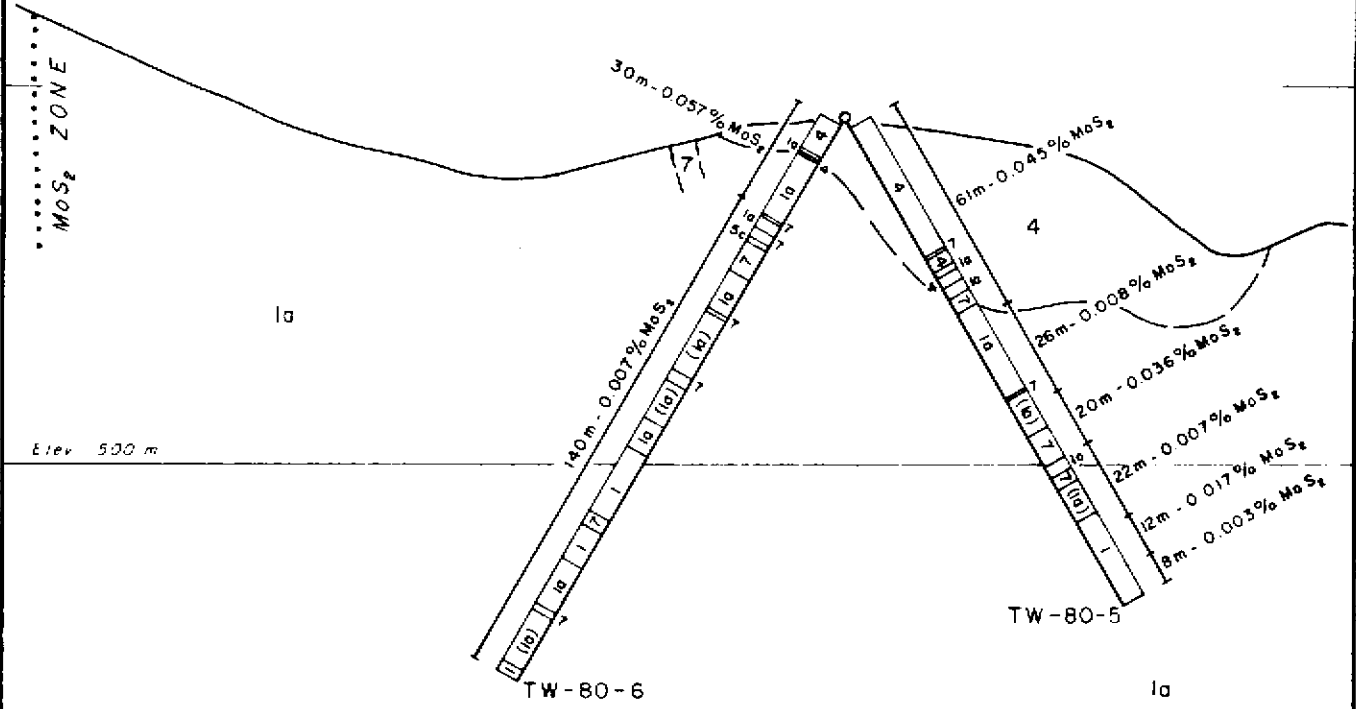
D.G. Allen, P.Eng. (B.C.)

LEGEND

- 7 Andesite, fine grained porphyritic diorite, dacite.
- 4 Quartz monzonite, quartz feldspar porphyry.
- 1 Metasedimentary rocks, siltstone, greywacke, argillite; (1a) Weakly hornfelsic; 1a Strongly hornfelsic.
- Geological contact.
- Shear.
- Limit of MoS₂ Zone.



Looking Northeast



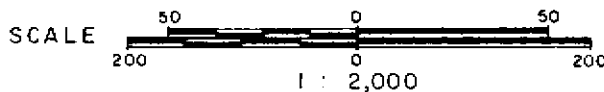
LEGEND

- 7 Andesite, fine grained porphyritic diorite, dacite.
- 5c Aplite.
- 4 Quartz monzonite, quartz feldspar porphyry.
- I Metasedimentary rocks, siltstone, greywacke, argillite; (Ia) Weakly hornfelsic; Ia Strongly hornfelsic.
- Geological contact.
- Limit of MoS₂ Zone.

AMAX OF CANADA LIMITED

TIDEWATER PROPERTY
SKEENA MINING DIVISION BRITISH COLUMBIA

GEOLOGICAL SECTION ALONG
DIAMOND DRILL HOLES TW-80-5 AND 6



Donald S. Allen

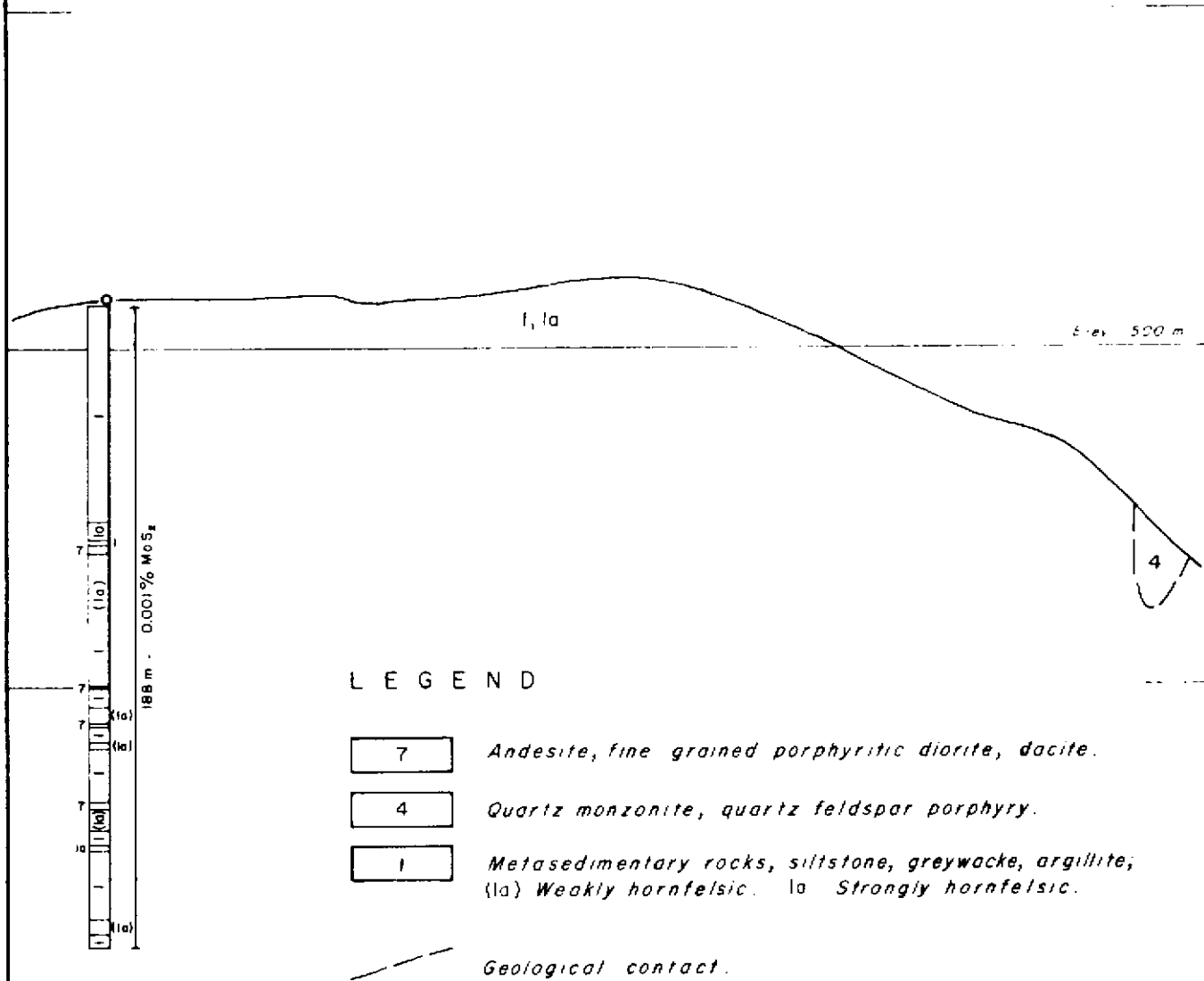
Vancouver

H.P.

N. T. S. Ref. 103 P 6

FIG. 4b

Looking Northeast (030°)



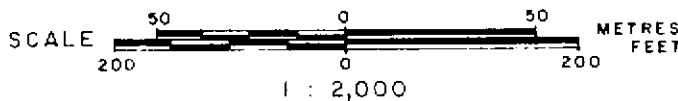
LEGEND

- 7 *Andesite, fine grained porphyritic diorite, dacite.*
- 4 *Quartz monzonite, quartz feldspar porphyry.*
- 1 *Metasedimentary rocks, siltstone, greywacke, argillite;*
(1a) Weakly hornfelsic. 1a Strongly hornfelsic.
- Geological contact.*

AMAX OF CANADA LIMITED

TIDEWATER PROPERTY
SKEENA MINING DIVISION — BRITISH COLUMBIA

GEOLOGICAL SECTION ALONG
DIAMOND DRILL HOLE TW-80-7



Ronald E. Allen

Vancouver —

M.P.

SUMMARY OF GEOLOGY AND MOLYBDENUM ASSAYS

DDH TW-80-4 Location - SE edge of Tidewater stock; elevation 470 m;
Tide, Tide 2 Claims
Depth - 274.3 m (900')
Azimuth - 320°
Dip - -70°
Target - To test the northeastern strike project of high grade veins

<u>LOG</u>		<u>INTERVAL (m)</u>	<u>% MoS₂</u>
0- 2.1 m	Overburden	2.1- 40.0 (38 m)	0.012
2.1- 19.7	Weakly hornfelsed meta-sedimentary rocks	40.0- 82.0 (42 m)	0.033
19.7-244.6	Purple and grey-green hornfels	82.0-110.0 (28 m)	0.029
244.6-274.3	Quartz monzonite	110.0-130.0 (20 m)	0.007
		130.0-140.0 (10 m)	0.039
		140.0-177.0 (37 m)	0.013
		177.0-190.0 (13 m)	0.004
		190.0-224.0 (34 m)	0.101
		224.0-274.3 (50 m)	0.020

DDH TW-80-5 Location - Northern margin of Tidewater Stock; elevation 590 m;
Tide, Tide 2 claims
Depth - 148.4 m (487')
Azimuth - 120°
Dip - -60°
Target - To test the high grade veins further to the northeast.
The hole was terminated prematurely for technical reasons.

<u>LOG</u>		<u>INTERVAL (m)</u>	<u>% MoS₂</u>
0- 3.1 m	Overburden	3.1- 4.0 (61 m)	0.045
3.1- 47.1	Quartz monzonite	64.0- 90.0 (26 m)	0.008
47.1- 49.1	Purple and grey-green hornfels	90.0-106.0 (14 m)	0.036
49.1- 52.1	Quartz monzonite	106.0-128.0 (22 m)	0.007
52.1-112.5	Purple and grey-green hornfels	128.0-140.0 (12 m)	0.017
112.5-148.1	Weakly hornfelsed meta-sedimentary rocks	140.0-148.1 (8 m)	0.003

DDH TW-80-6 Location - Northern margin of Tidewater Stock; elevation 590 m;
 Tide, Tide 2 claims
 Depth - 171.3 m (562')
 Azimuth - 300°
 Dip - -60°
 Target - To test northern margin of the stock

<u>LOG</u>		<u>INTERVAL (m)</u>	<u>% MoS₂</u>
0- 2.4 m	Overburden	2.4- 32.0 (30 m)	0.057
2.4- 13.9	Quartz monzonite	32.0-171.3 (140 m)	0.007
13.9- 39.5	Purple and grey-green hornfels		
39.5- 41.0	Aplite		
41.0- 50.3	Porphyritic basalt dyke		
50.3-103.1	Purple and grey-green hornfels		
103.1-137.1	Unhornfelses metasedimentary rock		
137.1-168.0	Purple and grey-green hornfels		
168.0-171.3	Unhornfelses metasedimentary rock		

DDH TW-80-7 Location - West of Tidewater Stock; elevation 518 m;
 Tide 5 claim
 Depth - 190.5 m (625')
 Azimuth - 0
 Dip - 90°
 Target - To test quartz-molybdenite veins in weakly developed hornfels which might overlie a blind molybdenum-bearing intrusive cupola at depth

<u>LOG</u>		<u>INTERVAL (m)</u>	<u>% MoS₂</u>
0- 1.9 m	Overburden	1.0-190.5 (188)	<0.001
1.9- 65.7	Unhornfelses metasedimentary rocks		
65.7- 70.3	Purple and grey-green hornfels		
70.3- 94.0	Weakly hornfelses metasedimentary rocks		
94.0-190.5	Unhornfelses metasedimentary rocks		

REFERENCE

ALLEN, D.G. and LEBEL, J.L., Tidewater Property, 1979 Property Report, AMAX Files

APPENDIX I - DRILL LOGS & ASSAYS

DIAMOND DRILL RECORD

PROPERTY TIDEWATER Project Number #971

Hole No. TW 80-4 Co-ordinates _____ Bearing at Collar 320°

Dip at Collar -70°

Collar Elevation 465m Commenced Drilling May 17, 1980

Total Depth 274.3 m Completed Drilling May 21, 1980

Logged By: P. McCarter

Core Size NQ Coring Method _____ Drilling Contractor Connors Drilling

<u>Survey Summary</u>				<u>Pertinent Assay Data</u>			<u>Pertinent Geology</u>		
Depth	Dip	Bearing	Method	Interval	% MoS2		Interval	Rock Type	
				2.1-40m	(38m) 0.012		0-2.1m	Overburden	
				40-82	(42m) 0.033) 70m) 0.003	2.1-19.7	Weakly hornfelsed metasedimentary rocks (siltstone, argillite, greywacke)	
				82-110	(28m) 0.029				
				110-130	(20m) 0.007				
				130-140	(10m) 0.039		19.7-244.6	Purple and grey-green hornfelsed metasedimentary rocks. Minor tuffaceous and skarn bands.	
				140-177	(37m) 0.013			Local andesite dikes.	
				177-190	(13m) 0.004	}		Tidewater Stock - quartz monzonite	
				190-224	(34m) 0.101				
				224-274	(50m) 0.020			244.6-274.3	

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-4
 SHEET 1 OF 20

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS							% MINERALS					NOTES	
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO AND INTERVAL	EST. MoS ₂	% MoS ₂	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Corb	Chl	Qtz musc	K-Feld	Biotite	Musc	Pyrite	Pyrrhotite		
2																							2.1 - 51.5 - Metasedimentary rocks - mainly argillite and siltstone and greywacke. 2.1 - 2.6 - weakly hornfelsed 2.6 - 5.1 - purple hornfels some spotted sections - MoS ₂ ± quartz @ 15°, quartz-MoS ₂ @ 60° - 85° (younger) - carbonate veinlets @ 5° - 10° (later than quartz-MoS ₂) 4.6 - quartz-MoS ₂ vein @ 60°, 2 cm wide - pyrite + muscovite on vein selvages 5.1 - 8.5 - weakly hornfelsed 6.6 - quartz-MoS ₂ vein @ 60°, 1 cm wide - MoS ₂ in bands along vein selvage 8.5 - 10.6 - purple hornfels, some spotted sections 8.5 - 9.0 - quartz (cordierite?) porphyroblasts altered to chlorite along carbonate fractures - quartz-MoS ₂ @ 55° - 60° - carbonate veins @ 5° 10.6 - 19.7 - weakly hornfelsed - some spotted sections - purple hornfels adjacent to quartz-MoS ₂ veins 10.1 - quartz-MoS ₂ @ 45°, 1 cm wide 12.0 - quartz-MoS ₂ @ 10°, 1 cm wide) MoS ₂ along selvages. 13.0 - 13.3 - aplite dike @ 20°, fine grained, quartz, feldspar - MoS ₂ in quartz-rich area along selvages - irregular quartz veins in dike - MoS ₂ - late carbonate fractures. 18.4 - banded quartz-MoS ₂ vein @ 63°, 7 cm wide - MoS ₂ bands along vein selvages, minor pyrite, Musc. 19.7 - 44.6 - Purple hornfelsed argillite - some spotted sections 21.1 - quartz-Muscovite-chlorite-pyrite-MoS ₂ vein - banded @ 35°, 2 cm wide. 21.9 - quartz-chlorite-muscovite vein @ 25°, 2 cm wide	
4					12 53	61601	.012	.004													1			
6					20 95	61602	.020	.003			5											.5		
8					20 67	61603	.004	.016						20								.1		
10					13 100	61604	.008	.020					8	1	20	4						.5		
12					15 100	61605	.018	.007			7			18	35	2						.5		
14					15 96	61606	.013	.028			4			13	25							1		
16					9 94	61607	.012	.015			2			12	13							.1		
18					20 98	61608	.006	.004			4			6	27							.1		
20					20 95	61609	.025	.032					1	21	1	48						.2		
22					14 91	61610	.006	.008			3	1	6		45	2						tr		
24					20 98	61611	.023	.016			23		11	1	2	36						tr		
26					20 90	61612	.005	.001			12		5		13		34					.2		
28					20 98	61613	.011	.005			2	1	5	8	27		38					1		
30					20 95	61614	.010	.026			1	2	8		1	26		17				1		

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS				NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb				K-Feld	Biotite	

22.0 - 23.1 - stockwork quartz, chlorite and carbonate veins - irregular alteration - sericite, chloritic - carbonate veins contain quartz.
23.8 - quartz vein @ 80o, 2 cm wide, brecciated, trace MoS2
26.2 - 28.1 - Fine grained MoS2 along fractures
45° - 70°

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS						NOTES					
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz musc	Chl			K-Feld		Biotite	Musc	Pyrite	Pyrrhotite	Scheelite
30					20	99	61615	.005	.006							11	49								.2	tr	30.0 - 30.1 - Irregular quartz-MoS2 vein @ 60° - chloritic and sericitic alteration	
32					20	94	61616	.006	.028								32									.3	30.7 - 30.8 - diopside-garnet skarn band with scheelite	
34					20	90	61617	.018	.004								53	5								.1	31.8 - Quartz-MoS2-Pyrite vein @ 35°, 5 cm wide.	
36					20	20	61618	.007	.007							30	>50									tr	34.7 - 35.6 - Broken core chlorite & calcite along fractures - shearing @ 70°	
38					20	98	61619	.004	.003								26	10								.1	34.1 - 6 cm wide band of sericitic alteration and associated irregular quartz veining.	
40					20	95	61620	.014	.136								21									tr	34.3 - same as 34.1	
42					20	98	61621	.009	.005								12									.1	34.5 - same as 34.1	
44					20	83	61622	.003	.110								3									tr	35.8 - 36.8 - Intense quartz-muscovite veining @ 50°, 2-4/cm	
46					20	12	61623	.003	.005								1									tr	36.9 - skarn band, 5 cm wide, chlorite sericite, pyrite, quartz garnet.	
48					20	60	61624	.002	.003								6									.3	38.2 - 38.8 - broken core, chlorite along fractures @ 70° & 2° - shearing	
50					20	95	61625	.004	.005								46									.2	40.1 - banded MoS2 quartz vein @ 53°, 5 cm wide; pyrite	
52					20	95	61626	.002	.057								21											41.7 - 42.1 - irregular quartz-MoS2 vein @ 20° to parallel to core. - green sericitic and chloritic alteration
54					18	90	61627	.005	.037								47											42.3 - 42.4 - skarn; green sericited and diopside
56																												42.7 - 42.3 - broken core chlorite and serpentine along shears @ 45°
																												44.4 - banded quartz - MoS2 vein - @ 55°, 5 cm wide
																												44.6 - 46.0 - Weakly hornfelsesd argillite - veining low
																												46.0 - 51.5 - Purple hornfelsesd argillite - some spotted sections
																												46.9 - 47.0 - skarn-zoned sericitic and diopside
																												49.5 - 49.9 - garnet diopside skarn with diopside skarn on margins
																												50.9 - Banded quartz-MoS2 vein @ 58°, 4 cm wide, pyrite - minor sphalerite and galena

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH 1W 0074
SHEET 6 OF 20

DEPTH METRES	GRAPHIC LOG				ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS				NOTES				
	LITH.	BEDDING	FAULTS NUMBER OF PIECES	% REC.		SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb					K-Feid	Biotite	Musc	
																								80.6 - 80.7 - aplite dike @ 75° - green sericitic alteration adjacent to dike.
																								80.7 - 106.6 - Metasedimentary Rocks
																								80.7 - 106.6 - Purple hornfels
																								82.7 - Quartz-MoS ₂ vein @ 35°, 2 cm wide;
																								3-4% MoS ₂ on selvage
																								83.5 - 83.6 - quartz-MoS ₂ vein @ 15°, 3 cm wide;
																								1-2% MoS ₂ along selvage

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS					NOTES							
	LITH.	BEDDING	FAULTS NUMBER OF PIECES	% REC.		SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	carb	Qtz Musc			K-Feld		Biotite	Musc	Pyrr	OLIG			
84			20	98		61642	.007	.024			1		8			29	28											84.5 - quartz-MoS2 vein @ 40° - trace MoS2
86																											85.4 - quartz-MoS2 vein @ 65° - 2-3% MoS2 in bands	
88			10	99		61643	.007	.005			4		6	1		19	15										87.0 - quartz ± MoS2 vein @ 70° - trace MoS2 along selvage	
90			12	101		61644	.012	.012			11	1	11		2	9	15										87.6 - 87.7 - alteration zone? aplite? - pyrite, sericite, epidote.	
92			15	98		61645	.005	.028			2	3	6			14	3										91.6 - 91.7 - limy band - diopside ± chlorite, epidote, sericite, carb	
94			>20	96		61646	.005	.028			1		6			12	18										94.2 - 94.3 - limy band-diopside± chlorite, epidote, sericite, carb.	
96			>20	95		61647	.003	.008			7		4			47	13										93.3 - quartz-MoS2 vein @ 38°, 2 cm wide - 2% MoS2 in bands	
98			>20	100		61648	.005	.026			5		5			56	8										93.7 - 93.8 - shear zone? - broken and heavily fractured.	
100			>20	90		61649	.020	.086			2		6			45	7										95.8 - 96.2 - shear zone @ 5° - broken core, carbonate and chlorite and clays along fractures.	
102			>20	101		61650	.003	.011			9		3			36	18										98.2 - quartz-MoS2 vein @ 25°, 2 cm wide, sericitic halo, 1% MoS2	
104			>20	100		61651	.008	.016			16		7			29	19										98.7 - 99.4 - sections of broken and sheared core @ 25°	
106			>20	95		61652	.001	.009			4	5	2			31	20										99.4 - 99.6 - quartz-MoS2 vein @ 60° - 20 cm wide (slightly pegmatitic) - MoS2 along fractures in vein, feldspar is sericitized - MoS2 about 2%, No pyrite, late carbonate fractures in vein	
108			>20	100		61653	.001	.001			8	2	2			25	14										99.9 - vuggy quartz-carbonate vein @ 45°, up to 10 cm wide - hornfels altered to green sericite adjacent to vein	
110			12	100		61654	.006	.084			5		5		1	15	20										100.0 - 103.0 - feldspathic fragments in hornfels	
																											101.0 - 101.2 - zone of green sericitic alteration bounded by dark green chloritic and/or diopside zone	
																											102.0 - quartz-MoS2 @ 25°, 2 cm wide, 2% MoS2 on selvage	
																											103.7 - zone of green sericitic alteration	
																											104.7 - 105.0 - broken core, possible shear zone @ 5°	

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-4
SHEET 8 OF 20

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS				NOTES			
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb					K-feld	Biotite	Musc
																								106.2 - 106.3 - limy band @ 50°, green diopside + chlorite, epidote, sericite
																								106.6 - 106.9 - Aplite dike @ 70° - contains bands of garnet and diopside skarn - sericite then diopside zones adjacent to aplite
																								106.9 - 121.2 - Metasedimentary rocks
																								106.9 -121.2 - Purple Hornfels
																								107.0 - 107.2 - irregular patches of diopside and sericitic alteration
																								107.3 - 107.4) - zones of intense sericitization and iron staining.
																								107.5 - 107.6) - zones of intense sericitization and iron staining.
																								108.1 - quartz-MoS2 vein @ 60°, 2 cm wide, pyrite, 3% MoS2
																								108.4 - quartz-MoS2 vein @ 30, 2 cm wide, 4% MoS2 - MoS2 in bands along vein selvages and within vein

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS					NOTES							
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES		% REC.	SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz musc				K-Feld	Biotite	Musc	Pyrite	tite		
110																												
112				17	100	61655	.012	.007			2	6	9		2	17	11											110.5 - quartz-MoS2 vein @ 25°, 2 cm wide; pyrite, 1% MoS2
114				6	94	61656	.002	.008			9	2	3			5	6											111.4 - banded quartz-MoS2 vein @ 55°, 2 cm wide, pyrite, 3% MoS2
116				20	99	61657	.001	.001			9	3	2			15	4											120.0 - quartz-MoS2 vein @ 30°, 3 cm wide; pyrite, 1-2% MoS2
118				7	20 80	61658	.002	.005			8	1	3			14	6											121.2 - 121.7 - andesite dike 1st contact @ 30°, 2nd contact at 45°
120				20	113	61659	.007	.014			4	1	6			53	2											121.7 - 123.6 - Metasedimentary Rocks
122				20	93	61660	.005	.011			4	1	4			30	4											121.7 - 123.6 - Purple Hornfels
124				20	105	61661	.001	.014			4		1			11	5											121.9 - quartz-MoS2 @ 65°, 5 cm wide; pyrite <1% MoS2
126				12	100		-																					122.1 - 122.2 - green sericitized zone
128				20	95	61662	.005	.006			3		4			19	11											123.6 - 125.9 - andesite dike - 1st contact @ 20°, 2nd contact @ 20° - green alteration zone adjacent to dike - 8-10% phenocrysts of hornblende and altered plagioclase - dike transected by late carbonate veinlets
130				20	98	61663	.005	.001			2	3	3		1	32	4											125.9 - 131.4 - Metasedimentary Rocks
132				20	91	61664	.009	.012			1	6	2			48	1											121.9 - 131.4 - Purple Hornfels - some spotted sections
134				20	97	61665	.005	.025			4		3		1	45												127.1 - quartz-MoS2 vein @ 25°, 2 cm wide; pyrite, 3% MoS2 along vein selvages
136				20	91	61666	.010	.053			3	1	5			28	12											129.6 - 130.4 - green (sericitic) alteration zone
138				20	100	61667	.020	.026			1		13		1	34	9											131.1 - 131.3 - banded quartz-MoS2 vein @ 40°, pyrite, 4% MoS2 - MoS2 along selvages and fractures of vein
																												131.4 - 133.5 - green andesite dike 1st contact @ 50°, 2nd contact @ 50° - green, fine-grained, possibly premineralization - contains carbonate and some banded quartz-MoS2 veins
																												132.2 - 132.3 - brecciated quartz vein - chlorite, MoS2 and pyrite along fractures and in matrix
																												132.7 - 132.9 - xenolith of hornfels
																												133.5 - 143.0 - Metasedimentary Rocks
																												133.5 - 143.0 - Purple hornfels, some spotted

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-4
SHEET 10 OF 20

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA						VEINS						% MINERALS						NOTES			
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂				Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Corb				K-Feld	Biotite	Musc				

134.6 - 134.7 - banded quartz-MoS2 vein @ 55° pyrite, 4% MoS2 - green sericitic alteration halo.
135.5 - 136.4 - green sericitic alteration zone
135.7 - 136.0 - quartz-MoS2 vein @ 5°, 2 cm wide, <1% MoS2
136.0 - 136.3 - irregular quartz-MoS2 veins @ 45°; pyrite, chlorite, 3% MoS2

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-4
SHEET 11 OF 20

DEPTH METRES	GRAPHIC LOG					% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS						NOTES					
	LITH.	BEDDING	FAULTS	NUMBER	PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz musc	Chl	K-Feld	Biotite	Musc	Pyrr	Scheelite						
138			>	20	108			61668	.002	.067																			138.0 - 138.2 - garnet-diopside skarn - trace scheelite
140			>	20	102			61669	.013	.001																			139.7 - 140.2 - skarn band, diopside, chlorite epidote, sericite, carb.
142			>	20	92			61670	.006	.004																			140.0 - quartz vein @ 65 2 cm wide; trace MoS ₂ and scheelite
144			>	20	100			61681	.001	.014																			140.2 - banded quartz-MoS ₂ vein @ 40°, 1 cm wide, 7% MoS ₂
146				17	100																								141.6 - 141.7 - irregular quartz bands and lenses along bedding planes - trace pyrite
148				11	100																								142.4 - 142.3 - irregular quartz bands and lenses along bedding planes - no MoS ₂
150			>	20	97			61672	.001	.001																			143.7 - 143.9 - irregular quartz veins in silicified hornfels
152				16	106			61673		.034																			143.8 - quartz-MoS ₂ vein @ 75°, 2 cm wide; pyrite, <1% MoS ₂
154				7	100																								143.0 - 143.2 - aplite dike, fine grained, quartz - 50%, feldspar - 45%, biotite and muscovite - 5% - dike contacts @ 90°
156				19	100																								143.2 - 145.0 - Hornfels - green and brown with quartz bands - silicified and sericitized.
158			>	20	113			61674	.002	.003																			145.0 - 149.8 - basalt → andesite dike - 25% plagioclase phenocrysts - 1st contact @ 45°, 2nd contact @ 45°
160																													147.1 - 147.4 - xenolith of hornfels with quartz - MoS ₂ vein.
162			>	20	97			61675	.008	.013																			149.8 - 153.6 - Metasedimentary Rocks
164			>	20	100			61676	.010	.021																			149.8 - 153.6 - Purple hornfels, some spotted sections
																													150.9 - quartz vein, irregular, zoned outward: sericite→chlorite→biotite→quartz
																													153.0 - 153.6 - greenish alteration adjacent to dike
																													153.6 - 158.9 - andesite dike - 15-20% altered plagioclase and hornblende phenocrysts - 1st contact @ 75°, 2nd contact @ 20° (irregular)
																													157.4 - 158.6 - xenolith of hornfels - silicified and sericitized

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG					ASSAY INTERCEPTS	ASSAY DATA				VEINS							% MINERALS				NOTES							
	LITH.	BEDDING	FAULTS	NUMBER OF PAGES	% REC.		SAMPLE NO. AND INTERVAL	EST. MoS2	% MoS2			Qtz	Qtz Py	Qtz MoS2	Py	MoS2	Corb	Qtz musc	Chl		K-Feld		Biotite	Musc	Pyrrho				
164																													163.8 - quartz-MoS2 vein @ 65°, 2 cm wide; pyrite, scheelite
166																												164.0, 164.1 & 164.6 - skarn bands, 3 - 4 cm wide diopside, chlorite, epidote, sericite	
168																												164.8 - 165.7 - zone of green sericitization	
170																												166.0 - 166.2 - green skarn band cut by quartz vein	
172																												166.6 - garnet-diopside skarn band	
174																												167.5 - banded quartz-MoS2 vein @ 65° 2 cm wide; 10 MoS2 in bands	
176																												167.6 - 169.4 - Hornfels-spotted, well-banded and dark grey	
178																												171.4 - 171.8 - Lamprophyre dike - fine grained, dark green to black - contacts @ 50°	
180																												171.8 - 174.9 - Metasedimentary Rocks	
182																												171.8 - 174.9 - Purple and green (sericitized) hornfels - spotted and banded	
184																												172.4 - quartz-MoS2 vein @ 15, 2 cm wide, <1% MoS2	
186																												172.6 - quartz-MoS2 vein @ 60, 2 cm wide, <1% MoS2	
188																												174.5 - 174.6 - green skarn band, diopside, chlorite, sericite, epidote	
190																												174.9 - 175.5 - andesite - >basalt dike - 10% plagioclase & 15% hornblende - phenocrysts contacts @ 65°	
192																												175.5 - 177.0 - Metasedimentary Rocks	
																												175.5 - 177.0 - Purple and green (sericitized) hornfels, - spotted and banded	
																												177.0 - 178.7 - andesite dike-phenocrysts - altered plagioclase - 20%, hornblende 3-5% - contacts @ 45°	
																												178.7 - 191.5 - Metasedimentary Rocks	
																												178.7 - 191.2 - Purple and green hornfels - spotted and banded	
																												182.2 - 182.8 - green sericite alteration zone	

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS			NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	K-Feld	Biofite	Musc		

182.7 - quartz-MoS₂ vein @ 35°, 2 cm wide pyrite, <1% MoS₂ - MoS₂ fractures @ 10°
 182.9 - quartz-MoS₂ vein @ 75°, 1 cm wide - transects quartz bands in hornfels - 3-5% MoS₂ in bands
 184.2 - quartz-pyrite-MoS₂ veins @ 35° and 75° (youngest) <1% MoS₂
 184.7 - 184.8 - green skarn band
 186.1 - 186.5 - spotted hornfels - partly skarny
 187.6 - banded quartz - MoS₂ vein @ 55°, 1cm wide; 1% MoS₂
 189.8 - banded quartz-MoS₂ vein @ 45°, 2 cm wide, 3% MoS₂
 191.0 - banded quartz-MoS₂ vein @ 50°, 1 cm wide, 4% MoS₂
 191.2 - 191.5 - andesite dike - phenocrysts - altered plagioclase - 10% hornblende 4% - contacts @ 55° green alteration in hornfels adjacent to dike
 191.5 - 225.2 - Metasedimentary Rocks
 191.5 - 225.2 - Purple and green hornfels - spotted and banded.

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS					% MINERALS				NOTES					
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz musc	Chl.			K-Feld	Biotite	Musc	Pyrrhotite
192			V	20	98		61691	.100	.380				6		18		12	15							192.4 - 192.6 - garnet-diopside skarn band.
194				19	97		61692	.040	.560				3		16	2	1	22	12	3					193.1 - 194.2 - series of aplitic and quartz veins and dikelets - hornfels has been altered to green sericite and quartz adjacent to veins - MoS ₂ disseminated and adjacent to veins @ 70° (younger) and 35°
196				10	100		61603	.005	.025				9		4		1	31	7						193.7 - quartz-MoS ₂ vein @ 35°, 1 cm wide, 10% MoS ₂ in and adjacent vein
198				18	100		61694	.014	.009				4		10		3	35	4						194.0 - 194.1 - quartz-MoS ₂ vein @ 35°, 3 cm wide, 10-12% MoS ₂
200				19	97		61605	.012	.034				3	4	12			19	2						194.6 - band of sericitic and chloritic alteration adjacent to quartz-MoS ₂ vein @ 40° - ~1% MoS ₂
202				13	99		61696	.009	.074				1	2	8		1	16	2						194.7 - 194.9 - quartz-MoS ₂ vein @ 15°, 2 cm wide, 10 - 15 MoS ₂ - along selvage
204				13	94		61697	.010	.026				1	4	5	1	5	28	9	2					196.1 - 196.3 - green sericitic and chloritic alteration or/ limy band
206				17	100		61698	.005	.043						4	2	1	15	5						196.7 - 196.8 - limy band
208				20	102		61699	.004	.056				3		3		1	26		12					196.8 - quartz-MoS ₂ @ 55°, 1 cm wide, 1-2% MoS ₂
210				15	100		61700	.006	.024				1	2	5		1	25	1						197.4 - 198.0 - green skarn band+/- alteration zone around quartz vein
212				14	100		61701	.004	.010				5		1		2	24	4						197.7 - quartz-MoS ₂ vein @ 50°, 3 cm wide, 3% MoS ₂
214				9	99		61702	.010	.059				2		9		2	34	7						198.8 - 199.8 - hornfels is somewhat greyish -sericite
216				20	100		61703	.007	.002						4	1		7	19	2					200.1 - 200.6 - zone of partial sericitization and chloritization
218				20	95		61704	.020	.088				3		10		3	22	4	5					201.8 - 202.0 - skarn band? - could be alteration zone (chloritic & sericitic) - quartz-MoS ₂ veins @ 60°
220				11	100		61705	.012	.056				4		8		3	46							203.9 - quartz-MoS ₂ vein @ 50°, 2 cm wide, ~ 1% MoS ₂ along selvage
222																									204.4 - quartz-MoS ₂ @ 75° 2 cm wide trace MoS ₂

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

TW 80-4
DDH _____
SHEET 16 OF 20

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA							VEINS						% MINERALS			NOTES		
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂				Q12	Q12 Py	Q12 MoS ₂	Py	MoS ₂	Carb				K-Feld		Biotite	Musc
																									206.8 - 207.1 - diopside-garnet skarn
																									208.5 - banded quartz-MoS ₂ vein @ 60°, 3 cm wide; 5 - 7% MoS ₂
																									208.9 - 209.5 - hornfels bleached, sericitized, chlorite along fractures
																									211.5 - quartz-MoS ₂ vein @ 75°, 3 cm wide - trace MoS ₂ - skarny zone
																									212.8 - 3 mm wide MoS ₂ seam @ 40°
																									214.0 - quartz vein @ 20°, trace pyrite
																									214.1 - 214.5 - green sericitic and chloritic alteration zone associated with quartz and quartz-MoS ₂ veins - some garnet-diopside skarn
																									214.3 - quartz-MoS ₂ veins @ 20° and 55° (banded, younger)
																									217.0 - 217.1 - green skarn band (alteration)
																									218.5 - 218.8 - quartz-MoS ₂ veins @ 10°, 2 cm wide, 5% MoS ₂ along selvages
																									219.0 - 220.3 - green sericitized zone
																									219.0 & 219.7 - quartz veins @ 60°, trace MoS ₂
																									220.9 - 221.4 - banded quartz - MoS ₂ vein @ 5°, 3 cm wide - 5% MoS ₂ along selvages.

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-4
SHEET 17 OF 20

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS				NOTES				
	LITH.	BEDDING	FAULTS NUMBER OF PIECES				SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz musc	Chl			K-Feld	Biotite	Musc	Pyrrho
222			>20		100		61706	.040	.252					15	6	58	2						.1		222.2 - 222.4 - banded quartz-MoS2 vein @ 10°, 2 cm wide, 5% MoS2
224			17		96		61707	.008	.018				3		5	3	61	5					tr		223.2 - 223.9 - green sericitic alteration zone associated with quartz-MoS2 veins at 223.4, 223.5, 223.7, 223.8 - @ 70° <1 - >4 cm wide,
226			>20		100		61708	.020	.026				2	2	11		6	56					.1		up to 5% MoS2
228			>20		94		61709	.008	.010				1		9		11	2					.2		225.2 - 225.3 - andesite dike - contacts @ 50°
230			20		99		61710	.015	.030				3		14		19	2					tr		225.3 - 230.6 - Metasedimentary Rocks
232			>20		100		61711	.010	.014				3	1	6								tr		225.3 - 230.6 - Purple and green (sericitized) hornfels - spotted and banded
234			>20		97		61712	.005	.017				7		2		4	35	1				tr		226.3 - 228.4 - green and pale green hornfels - strongly sericitized - some skarn sections
236			12		99		61713	.025	.024				9		10		14	39	2				tr		227.3 - 227.5 - broken and sheared core @ 50°?
238			>20		98		61714	.020	.041				6	2	8		7	30	3				tr		228.0 - quartz -MoS2 vein @ 70°, 4 cm wide, pyrite, <1% MoS2
240			>20		99		61715	.008	.061				12		4		4	11					tr		228.1 - broken core & quartz-MoS2 vein - possible shear
242			>20		100		61716	.007	.002				15		8	1		5					tr		228.4 - 230.6 - Purple and minor green hornfels
244																									230.2 - Quartz-MoS2 vein @ 65°, 3 cm wide, trace MoS2
																									230.6 - 230.9 - aplite dike - <1% disseminated MoS2, garnets - contacts @ 35° - cuts quartz-MoS2 veins
																									230.9 - 234.7 - Metasedimentary Rocks
																									230.9 - 232.6 - Purple and green hornfels
																									231.3 - 231.6 - intense quartz banding? possibly a large qtz vein. - trace disseminated MoS2 and garnet
																									232.6 - 234.7 - green and grey sericitized hornfels - some skarn sections
																									234.5 - 234.7 - broken and sheared core @ 20°
																									234.7 - 235.0 - andesite dike, fine grained, green numerous carbonate fractures - contacts @ 20°
																									235.0 - 242.6 - Metasedimentary rocks
																									235.0 - 242.6 - silicified and sericitized hornfels - grey and green
																									237.3 - quartz-MoS2 vein @ 20°, 2 cm wide, 6% MoS2

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-4
SHEET 18 OF 20

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS				NOTES				
	LITH.	BEDDING	FAULTS NUMBER OF PIECES				SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb						K-Feld	Biotite	Musc
																									237.6 - 237.9 - intense silicification of hornfels
																									239.0 - banded quartz-MoS ₂ vein @ 70°, 3 cm wide, pyrite, pyrrhotite, sphalerite, hematite (after magnetite) - 5% MoS ₂
																									239.7 - 239.9 - sheared and brecciated zone - broken core.
																									240.3 - 241.2 - strongly altered - broken and sheared core @ 5 - 10° - graphite along fractures - trace MoS ₂
																									241.9 - 242.6 - intense quartz veining (late) - associated hard, cream coloured laths
																									242.6 - 243.6 - dacite dike with porphyritic margins, phenocrysts - plagioclase, quartz, altered hornblende - contacts @ 20°
																									243.6 - 244.6 - Metasedimentary Rocks
																									243.6 - 244.6 - Purple and green and grey strongly altered hornfels
																									243.6 - 244.2 - 50% quartz veins @ 40° - pyrite, trace MoS ₂ .

DIAMOND DRILL RECORD

PROPERTY TIDEWATER Project Number 971

Hole No. TW 80-5 Co-ordinates _____ Bearing at Collar 120°

_____ Dip at Collar -60°

Collar Elevation 585 m Commenced Drilling May 24, 1980

Total Depth 148.1 m Completed Drilling May 30, 1980

Logged By: P. McCarter

Core Size NQ Coring Method _____ Drilling Contractor Connors Drilling

<u>Survey Summary</u>				<u>Pertinent Assay Data</u>			<u>Pertinent Geology</u>	
Depth	Dip	Bearing	Method	Interval	%	MoS ₂	Interval	Rock Type
				3 - 64	(61 m)	0.045	0 - 3.1 m	Overburden
				64 - 90	(26 m)	0.008		3.1 - 47.1 m
				90 - 106	(20 m)	0.036	47.1 - 49.1 m	Purple and Grey-green hornfelsed metasedimentary rocks (siltstone, argillite, Greywacke)
				106 - 128	(22 m)	0.007		49.1 - 52.1 m
				128 - 140	(12 m)	0.017	52.1 - 112.5 m	Purple & grey green hornfelsed metasedimentary rocks. Minor tuffaceous and skarn bands. Local andesite dikes.
				140 - 148.1	(8 m)	0.003		112.5 - 148.1 m

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-5
SHEET 1 OF 8

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS					NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Corb	Musc (ser)	K-Feld	Biotite	Musc	Pyrite	MoS ₂	
2																						3.1 - 3.4 - Xenolith of hornfels
4							61732		0.015													3.4 - 47.1 - Tidewater stock
6			>20		96		61733	.025	0.037		4		16	4	7	8	4					Variously textured quartz monzonite, equigranular and porphyritic sections - feldspar, 65 - 75%, quartz 20 - 30%, biotite 1 - 10%.
8			>20		100		61734	.005	0.031		10	1	4	2	4	2	7					6.0 - 7.0 - porphyritic sections - feldspar phenocrysts
10			>20		100		61735	.030	0.202		20		8		13	6	12					7.0 - 12.0 - variously silicified quartz monzonite
12			>20		102		61736	.020	0.074		1		9		11	19	8					9.4 - 9.5 - MoS ₂ along fractures @ 85° and 45°
14			8		100		61737	.020	0.027		12		14	1	5	3	6					9.6 - 9.7 quartz-MoS ₂ pyrite vein @ 30°, 8% MoS ₂ on vein selvages, 3 - 5% MoS ₂ disseminated in adjacent quartz monzonite
16			>20		100		61738	.016	0.063		4		15		1	5						12.0 - 13.1 - porphyritic (glomeroporphyritic) quartz monzonite - feldspar phenocrysts - 40%, up to 5 cm across.
18			>20		95		61739	.015	0.040		3		13	8	2							13.1 - 14.0 - relatively equigranular quartz monzonite.
20			>20		108		61740	.013	0.028		26	2	9	5	7		2					14.0 - 14.8 - porphyritic quartz monzonite - quartz and feldspar phenocrysts
22			>20		100		61741	.015	0.029		6		4	2	11		12					14.8 - 23.6 - relatively equigranular medium - grained quartz monzonite
24			>20		92		61742	.008	0.011		5		9				9					17.6 - 19.2 - broken core - pyrite ± MoS ₂ along fractures parallel to core - some pink colouration of feldspars.
26			16		105		61743	.008	0.028		8		9			3						23.0 - 23.2 - Intersection of pyrite-muscovite veins causing intense sericitization, trace MoS ₂
28			>20		100		61744	.020	0.040		6		9		14	11						23.3 - 23.5 - same as 23.0
30			>20		100		61745	.013	0.047		3		7		6	3						23.6 - 24.2 - porphyritic quartz monzonite, biotite up to 15%
																						24.2 - 47.1 - relatively equigranular quartz monzonite - 10% biotite
																						26.8 - 27.3 - broken core along carbonate fractures @ 10°

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-5
SHEET 3 OF 8

DEPTH METRES	GRAPHIC LOG				ASSAY INTERCEPTS	ASSAY DATA				VEINS							% MINERAL						NOTES			
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES		SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Corb	Musc ±			K-Feld	Biotite	Musc		Pyrite	MoS ₂	Pyrite
30			>	20105		61746	.013	0.077														tr	tr			31.5 - 31.6 - quartz vein @ 35°, sericitic alteration, trace MoS ₂
32				17 99		61747	.017	0.014														tr	tr			31.8 - 32.8 - Xenolith of hornfels, fine grained, some feldspathic fragments - contacts approximately
34				5 95		61748	.010	0.012														tr	-	.3	65° (irregular) - quartz-MoS ₂ veins @ 35° and 75° - extend from stock	
36			>	20 98		61749	.007	0.018														tr	tr	tr	32.8 - 33.8 - equigranular quartz monzonite	
38			>	20100		61750	.030	0.040															.2	.1	33.8 - 34.2 - xenolith(?) of hornfels, contact @ 65	
40			>	20 96		61751	.006	0.008															.1	-	34.2 - 35.1 - equigranular quartz monzonite, biotite-rich patches, pegmatites	
42			>	20102		61752	.016	0.009														tr	tr		35.1 - 37.5 - xenolith(?) of hornfels 1st contact @ 80°, 2nd contact @ 15°	
44			>	20100		61753	.020	0.028															2	tr	37.5 - 42.7 - equigranular quartz monzonite	
46			>	20 96		61754	.020	0.023															tr	tr	41.8 - hornfels inclusion	
48			>	20 96		61755	.012	0.026															tr	tr	42.7 - 43.4 - porphyritic andesite dike-chilled margins, contacts @ 50°	
50			>	20100		61756	.015	0.039															.2	tr	43.4 - 47.1 - in equigranular quartz monzonite	
52				15 98		61757	.025	0.038																	tr	45.3 - 45.6 - fine grained aplitic zone
54			>	20 98		61758	.024	0.080																		47.1 - 49.1 - Purple and grey hornfels-massive and banded sections - contact is in broken core
56			>	20 99																						49.1 - 52.1 - Quartz-feldspar-biotite porphyry - contacts @ 15° - quartz-MoS ₂ - equigranular in central sections - patchy stockworks of barren quartz and quartz ± MoS ₂ veins
58				13100																						52.1 - 63.5 - Purple and grey hornfels-massive and banded
60																										52.4 - pegmatite vein + MoS ₂ @ 80°, 4 cm wide

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-5
SHEET 4 OF 8

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS					NOTES		
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Mo ppm	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz + Musc	K-Feld	Biotite	Musc	Pyrrhotite			
60				20	102		61759	.050	0.147															60.4 - 60.8 - 3 irregular quartz-MoS2-pyrite,-sericite veins 15% MoS2
62				20	93		61760	.080	0.142															61.3 - 61.7 - pegmatite and aplite band @ 65°
64																								61.8 - 61.9 - pegmatite and aplite band @ 65°
66				20	99		61761	.010	0.026															62.4 - quartz-MoS2 vein @ 35°, 3 cm wide, ≤1% MoS2
68				20	98		61762	.009	0.009															62.9 - banded quartz MoS2 @ 20°, up to 5% MoS2
70				20	99		61763	.006	0.005															63.2 - 63.5 - broken and sheared core @ 70° and 50° good MoS2 along shears
72				20	95		61764	.007	0.005															63.5 - 64.0 - andesite dike - contacts @ 60°
74				20	100		61765	.005	0.004															64.0 - 85.4 - Purple and grey-green hornfels, spotted and banded
76				20	99		61766	.005	0.005															64.0 - quartz-MoS2 vein @ 60°, trace MoS2
78				20	98		61767	.010	0.009															64.2 - 65.2 - broken and sheared core @ 15°
80				20	99		61768	.004	0.002															65.8 - 65.9 - quartz MoS2 @ 15°, 2 cm wide, 3 - 5% MoS2
82				20	110		61769	.002	0.009															66.4 - 68.2 - numerous sections of sheared and broken core @ 15°
84				20	95		61770	.005	0.011															70.5 - 71.3 - broken and sheared core @ 25°
86				20	100		61771	.006	0.006															71.3 - 71.4 - brecciated and altered hornfels, some quartz vein + MoS2
88				20	110		61772	.005	.005	18														71.7 - quartz-MoS2 vein @ 35°, 2 cm wide, 1% MoS2
90				20	108		61773	.001	.009	30														75.4 - 81.0 - weakly hornfelsed, some sheared sections @ 28°

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS					NOTES				
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Mo Ppm	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz + Carb	K-Feld	Biotite	Musc	Pyrrhotite		Scheelite			
90				20	105		61774	.012	.032	107		1		4		3	18	9								91.0 - 91.1 - Quartz-MoS2 with alteration zone, @ 25°
92				20	101		61775	.002	.009	31		1		3			20	2								91.5 - Quartz vein @ 45° 2 cm wide, trace MoS2, 8 - 10% MoS2 in bands
94				20	101		61776	.030	.032	107				13		3	14							tr		92.9 - 2 green limy bands (sericite, chlorite, + diopside + carb)
96				20	100		61777	.030	.138	246		2		6		2	25	1								94.8 - 94.9 - garnet-diopside skarn band, trace scheelite
98				20	50		61778		.005	17																95.5 and 95.9 - banded quartz - MoS2 veins @ 10° 2 cm wide, 10% MoS2 - hornfels strongly sericitized broken core.
100																										96.8 - 97.3 - broken and sheared core @ 15°
102																										97.4 - 97.5 - aplite patch, disseminated MoS2, contacts @ - bounded by quartz-MoS2 vein along core - along dike contact
104				20	94		61779	.005	.026	88																97.5 - 106.3 - andesite dike, fine grained, slightly porphyritic. - biotite and plagioclase phenocrysts - contacts @ <5° (dike runs along core) - numerous hornfels & quartz-MoS2 vein inclusions
106				20	115		61780	.010	.047	157																99.0 - 102.0 - core lost
108				20	100		61781	.001	.009	30		2		2			10	4								102.7 - 102.9 - hornfels patch with quartz-MoS2 veins, 1 - 2% MoS2
110				20	98		61782	.002	.003	10		2		3			30	4								(102.2 and 102.4 - quartz-MoS2 veins as inclusions (in dike, 1% MoS2)
112				20	97												40									(102.6 - 102.7
114				20	97		61783	.003	.004	12		4		3			40									103.3 - 103.4 - hornfels patch with quartz-MoS2 veins, 1% MoS2
116				20	93		61784	?	.008																	105.1 - 105.6 - quartz-MoS2 along core, 3 cm wide 5% MoS2
118				20	95		61785	.001	.002	7		1		1			20									106.3 - 109.9 - Purple and green hornfels, banded, spotted, variable
120				20	97		61786	.003	.006	20		2		2			40									106.9 - 107.1 - green alteration zone - sericite, chlorite ± diopside
																										108.3 - 108.4 - green alteration zone - sericite, chlorite ± diopside
																										109.1 - green alteration zone
																										109.9 - 110.1 - Porphyritic basalt dike - 20% plagioclase phenocrysts - contacts @ 30°

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG					% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS			NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES	SAMPLE NO. AND INTERVAL			EST. MoS ₂	% MoS ₂	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	K-Field	Biotite	Musc			
																					110.1 - 110.6 - weakly hornfelsed argillite - spotted-much broken core
																					110.6 - 112.5 - porphyritic andesite dike - 10-15% plagioclase phenocrysts, - contacts @ 20°
																					112.5 - 113.9 - Hornfelsed argillite - weakly hornfelsed, sericitic
																					112.9 - 113.8 - broken and sheared core @ 5°
																					113.9 - 114.7 - porphyritic andesite dike - contacts @ 50°
																					114.7 - 116.1 - brecciated hornfels, much broken core
																					116.1 - 122.8 - Weakly hornfelsed argillite - spotted sections
																					116.1 - 120.0 - much broken core - sheared @ 10°
																					118.3 - 118.4 - quartz-MoS2 veins @ 75°, 1 cm wide, strongly sericitized hornfels adjacent to vein.

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

TW 80-5
DOH _____
SHEET 7 OF 8

DEPTH METRES	GRAPHIC LOG				ASSAY INTERCEPTS	ASSAY DATA					VEINS							NOTES								
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES		% REC.	SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Mo ppm	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz +		K-feld	Biotite	Musc	Pyrrho	Scheel			
120																										
122					20	100	61787	.004	.027	89		1		3			40									121.7) Green sericitic alteration 121.5) Green sericitic alteration
124					20	100	61788	.001	.003	10		4		2			15	3								122.8 - 148.1 - Variably hornfelsed siltstone and grey-wacke.
126					18	102	61789	.006	.009	30		3		6		3	4									124.1 - Quartz-MoS2 veins @ 55°, 1% MoS2 on selvage.
128					13	94	61790	.001	.002	8		4		1		6	8									124.6 - 124.9 - Green limy bands, sericite, chlorite, diopside
130					10	03	61791	.010	.016	54		2		24		5								tr	tr	126.2 - 126.4 - Green sericitic alteration 127.8 - 128.0 - Green sericitic alteration
132					18	100	61792	.010	.018	59		1	1	3		14	5									128.6 - 128.8 - Stockwork of quartz-MoS2 veins - trace MoS2
134					18	99	61793	.007	.014	47		5		5		9	1									128.8 - 129.1 - diopside ± garent skarn, trace scheelite
136					20	97	61794	.008	.005	17		4		8		15										129.0 - 129.6 - series of quartz-MoS2 veins @ 20° - 30°, <1 cm wide, <1% MoS2 - veins contain K-spar along selvages in skarn.
138					10	98	61795	.015	.009	30		2	1	10	2	6										131.1 - quartz-MoS2 vein @ 40°, 1 cm wide, 10% MoS2 - sericitic alteration 131.2 - quartz-MoS2 vein @ 45°, 1 cm wide, 8% MoS2 - sericitic alteration
140					20	99	61796	.020	.040	134		3		9	1	1	30	2								132.7 - quartz-MoS2 vein @ 75°, 1 cm wide 2-4% MoS2
142					20	99	61797	.005	.003	11		2		3		20	2									133.7 - irregular quartz vein @ 65°, green sericitic and chloritic alteration halo.
144					20	100	61798	-	.002	6		2				30	2									135.3 - quartz-pyrite-arsenopyrite vein @ 45°, 5 cm wide - green sericitic alteration in adjacent hornfels.
146					20	100	61799	-	.003	11		6	1			20	1									135.6 - 136.8 - irregular quartz veins and bands in hornfels - pyrite, pyrrhotite.
148					20	105	61800	.004	.002	6		2		3	2	25	2									136.4 - 136.6 - limy band 137.0 - 137.5 - as in 135.6 to 136.8
					20			.002				2		2	1	20										138.3 - 138.6 - 20-25% quartz content in hornfels 138.5 - quartz-MoS2-pyrite veins @ 75°, 2 cm wide 5% MoS2
																										138.7 - 139.2 - strongly sericitized hornfels

DIAMOND DRILL RECORD

PROPERTY TIDEWATER Project Number 971

Hole No. TW80-6 Co-ordinates _____ Bearing at Collar 300°

Dip at Collar -60°

Collar Elevation 585 m Commenced Drilling May 31, 1980

Total Depth 171.3 m Completed Drilling June 2, 1980

Logged By: P. McCarter

Core Size NQ Coring Method _____ Drilling Contractor Connors Drilling

<u>Survey Summary</u>				<u>Pertinent Assay Data</u>		<u>Pertinent Geology</u>	
Depth	Dip	Bearing	Method	Interval	% MoS ₂	Interval	Rock Type
				2.4-32.0 (30 m)	0.057	0-2.4 m	Overburden
				32.0-171.3 (140 m)	0.007	2.4-13.9	Tidewater Stock - quartz monzonite
						13.9-39.5	Purple and grey-green hornfelsed metasedimentary rocks (Siltstone, argillite, greywacke). Minor tuff and skarn. Local andesite dikes.
						39.5-41.0	Aplite
						41.0-50.3	Porphyritic Basalt dike
						50.3-103.1	Purple and grey-green hornfels. Variable intensity of hornfelsing
						103.1-137.1	Unhornfelsed metasedimentary rock
						137.1-168.0	Purple and grey-green hornfels. Variable intensity
						168.0-171.3	Unhornfelsed metasedimentary rock

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS				NOTES					
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Mo ppm	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Corb	q + po	K-Feld	Biotite	Musc		Po				
150				20	92		61867	-	.002	7		8			30+	3					tr					151.5-153.0- porphyritic andesite dike-contacts @35° -15% plagioclase phenocrysts
152				20	105		61868	.003	.020	65		3	1	2	30+						tr				153.0-168.0- grey-green and purple hornfels-weakly hornfelsed sections	
154				20	91		61869	.003	.005	17		1	5	20							tr				153.7- - quartz-MoS ₂ veins and MoS ₂ fractures @85°	
156				20	98		61870	.004	.013	43		4	3	20	1						.2				156.5- - quartz-MoS ₂ vein @80°, 1 cm wide; pyrrhotite, 1% MoS ₂	
158				20	99		61871	.001	.003	11		2	1	20	2						tr				157.5- - quartz-MoS ₂ vein @80°, 1 cm wide; 3-4% MoS ₂	
160				20	98		61872	.003	.006	20		2	2	15	2						tr				- purple hornfelsing adjacent to vein	
162				20	115		61873	.004	.005	18		8	5	40	2						.1				158.0-162.5- relatively unhornfelsed siltstone	
164				20	95		61874	.006	.007	22		10	3	8	4						tr				158.7- - quartz-MoS ₂ vein @80°, 1-2 cm wide, 2% MoS ₂	
166				20	98		61875	.003	.021	71		30+		2	20	2					.1				160.3-160.4- green alteration zone	
168				20	96		61876	-	.003	10		9		25	3						tr				160.7-160.8- quartz-MoS ₂ vein and late carbonate vein @25°	
170				20	100		61877	.002	.030	100		3	3	10	3						tr				160.9- - quartz-MoS ₂ vein @65° 1cm wide, 2-3% MoS ₂	
																									163.0-163.1- quartz-MoS ₂ veins @75°, <1-3 cm wide, <1% MoS ₂	
																									163.4- - quartz-MoS ₂ veins @150, 1 cm wide, tr MoS ₂	
																									164.1-164.2- irregular quartz veining	
																									164.2- - quartz-MoS ₂ vein @ 55°, 2 cm wide, ≤1% MoS ₂	
																									164.6-164.8- green alteration adjacent to quartz - MoS ₂ vein	
																									- vein @45°, trace MoS ₂ (chloritic, sericite)	
																									166.0- - quartz-MoS ₂ vein @45, 2 cm wide, <1% MoS ₂ - disseminated	
																									- disseminated fine-grained sphalerite?	

DIAMOND DRILL RECORD

PROPERTY TIDEWATER Project Number 971

Hole No. TW 80-7 Co-ordinates _____ Bearing at Collar -

Dip at Collar -90°

Collar Elevation 515 m Commenced Drilling June 4th, 1980

Total Depth 190.5 m Completed Drilling June 7th, 1980

Logged By: P. McCarter

Core Size NQ Coring Method _____ Drilling Contractor Connors Drilling

<u>Survey Summary</u>				<u>Pertinent Assay Data</u>		<u>Pertinent Geology</u>	
Depth	Dip	Bearing	Method	Interval	% MoS ₂	Interval	Rock Type
				1.9 - 190.5 m (188 m)	< 0.001	0 - 1.9 m	Overburden
						1.9 - 65.7	Unhornfelsed metasedimentary rocks (siltstone, argillite, greywacke) Minor tuffaceous and skarn bands. Local andesite dikes.
						65.7 - 70.3	Purple and grey-green hornfelsed metasedimentary rocks.
						70.3 - 94.0	Weakly hornfelsed metasedimentary rocks
						94.0 - 190.5	Unhornfelsed metasedimentary rocks.

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-7
SHEET 1 OF 7

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS							% MINERALS				NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	Mo ppm	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Corb	Qtz + Pyrr	K-Feld	Biotite	Musc	Pyrrhotite	
2																					1.9 - 190.5 - Metasedimentary Rocks - siltstone, argillite, greywacke and hornfelsed equivalents. 1.9 - 75.0 - Relatively unhornfelsed metasedimentary rocks. 2.6 - 2.7 - Green limy band (sericite + chlorite ± diopside, carbonate) 3.3 - 4.0 - alternating argillite and greywacke 4.3 - 4.7 - broken and sheared core @ 50° 5.0 - aplite @ 35°, 2cm wide - purple-brown hornfels adjacent to aplite 5.2 - 7.1 - broken and sheared core @ 15° 6.6 - qtz vein @ 55° 1 cm wide 9.9 - 11.5 - numerous quartz-pyrrhotite-sphalerite (?) veins @ 45° - associated purple hornfels 12.7 - quartz vein @ 15°, trace MoS ₂ 14.3 - 14.6 - some shearing along core 14.7 - 15.0 - patchy purple and green hornfels 15.4 - quartz-MoS ₂ vein @ 25°, 1-2% MoS ₂ , associated hornfels 16.1 - 16.6 - broken and sheared core @ 2° 24.8 - 25.0 - grey-green alteration (sericitized hornfels) 25.3 - 25.6 - broken and sheared @ 50° 25.4 - 25.5 - bleached zone @ 60° 25.6 - quartz ± MoS ₂ vein, @ 20°, 2 mm wide, trace MoS ₂ 26.4 - quartz vein @ 25, 1 cm wide, trace sericite, pyrrhotite 28.6 - quartz-pyrrhotite vein @ 75°	
4				>20	94	61878	-	<.001	3					3								.7
6				>20	94	61879	-	<.001	2					20								1
8				>20	105	61880	-	<.002	5					15								.2
10				>20	96	61881	-	<.001	3					20	7							1
12				>20	93	61882	-	<.001	4					20	14							.1
14				>20	103	61883	-	<.001	4					25	4							.2
16				>20	91	61884	.001	<.001	4				1	1	20							.1
18				>20	105	61885	.001	<.001	2					30	3							tr
20				12	96	61886	-	<.001	1					8	1							tr
22				>20	89	61887	-	<.001	2					25	3							tr
24				>20	103	61888	-	<.001	3					12	1							.1
26				>20	108	61889	.001	<.001	3				1	25	3							tr
28				>20	100	61890	-	<.001	2					20	1							.1
30				>20	100	61891	-	<.001	1					10	3							.2

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DDH TW 80-7
SHEET 2 OF 7

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS						% MINERALS				NOTES				
	LITH.	BEDDING	FAULTS	NUMBER PLACES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂			Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz + Pyrrhotite				K-Feld	Biotite	Musc	
30				19	100		61892	-	<.001	4					7	5									30.4 - quartz- pyrrhotite ± sphalerite @ 60, 2 cm wide
32				16	98		61893	-	<.001	1					6	2									31.9 - 32.0 - quartz-pyrrhotite-sericite-chlorite veins @ 80°
34				20	94		61894	-	<.001	1					5	2									33.1 - quartz-pyrrhotite vein @ 80°
36				14	95		61895	-	<.001	1					10	2									34.8 - quartz-pyrrhotite vein @ 30°, 1 cm wide
38				20	101		61896	-	<.001	2					15	6									36.1 - 37.0 - feldspathic and some mafic metavolcanic fragments - tuff
40				20	97		61897	-	<.001	2					15	3									37.8 - 3 quartz-sphalerite(?) ± pyrrhotite veins @ 40°, 1 cm wide
42				20	98		61898	-	<.001	1					10	2									37.2 - irregular-quartz-sericite-biotite-pyrrhotite band
44				8	100		61899	-	<.001	1					3	15									38.1 - quartz-pyrrhotite-sericite vein @ 75° - wall rock sericitized
46				20	102		61900	-	<.001	1					30										39.5 - 39.6 - green sericitized zone, carbonate
48							64001	-	<.001	1															40.0 - quartz-pyrrhotite vein @ 35°, 2 cm wide
50							64002	-	<.001	1															41.5 - 41.7 - grey sericitized zone
52							64003	-	<.001	2															42.6 - Broken core - quartz-pyrrhotite veins
54							64004	-	<.001	1															45.0 - 47.3 - zone of quartz veining - associated hornfels - green and purple - banded - quartz veins contain pyrrhotite and a drak grey sulphide (?sphalerite) sericite. - veins vary from 1 to 10 cm wide, 5 per meter of core - 2 major vein attitudes - @ 40°, @70° (possibly younger)
56							64005	-	<.001	1															47.7 - white sericitized hornfels with green alteration halo (sericite + chlorite ± diopside, carbonate)
58							64006	-	<.001	1															49.2 - 49.3 - green limy zone
60																									53.3 - 53.4 - green limy zone diopside, sericite, carbonate

AMAX MINERALS EXPLORATION

TIDEWATER PROPERTY

DEPTH METRES	GRAPHIC LOG				% REC.	ASSAY INTERCEPTS	ASSAY DATA				VEINS								% MINERALS				NOTES
	LITH.	BEDDING	FAULTS	NUMBER OF PIECES			SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS ₂	MO ppm	Qtz	Qtz Py	Qtz MoS ₂	Py	MoS ₂	Corb	Qtz + Pyrrz.			K-Feld	Biotite	Musc	
60																							
62																							
64																							
66																							
68																							
70																							
72																							
74																							
76																							
78																							
80																							
82																							
84																							
86																							
88																							
90																							

60.5 - quartz-pyrrhotite veins @ 35°, brown biotite adjacent to vein
62.4 - 62.7 - grey limy band - diopside + carbonate
63.5 - 64.0 - grey alteration-chlorite + sericite + diopside
65.0 - 65.7 - broken and sheared core @ 65° - grey alteration
65.7 - 70.3 - Irregular purple and grey-green hornfels - 70% of core is hornfelsed.
70.3 - 72.3 - unhornfelsed argillite - contorted bedding?
72.3 - 75.0 - Diabase dike - fine to medium grained - contacts @ 45°
73.6 - 73.9 - Xenolith of argillite
75.0 - 84.6 - Weakly hornfelsed metasediments - irregular banding - some beds more hornfelsed than others.
81.2 - 81.3 - green alteration - diopside + chlorite + sericite
82.0 - 83.0 - broken and sheared along core - carbonate and pyrite along fractures
83.6 - 83.9 - green and purple alteration (hornfels) - irregular quartz veining
84.6 - 94.0 - Variably hornfelsed (siltstone-green and purple) - strongest hornfelsing associated with quartz veins and quartz - biotite sericite-pyrrhotite veins
84.6 - 87.0 - irregular stockwork veining

APPENDIX II - STATEMENT OF COSTS

Tidewater Property

Summary of Work 784 metres NQ Diamond Drilling

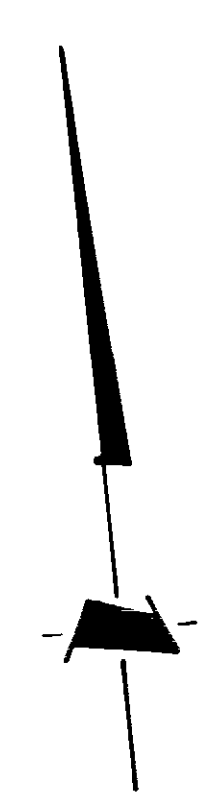
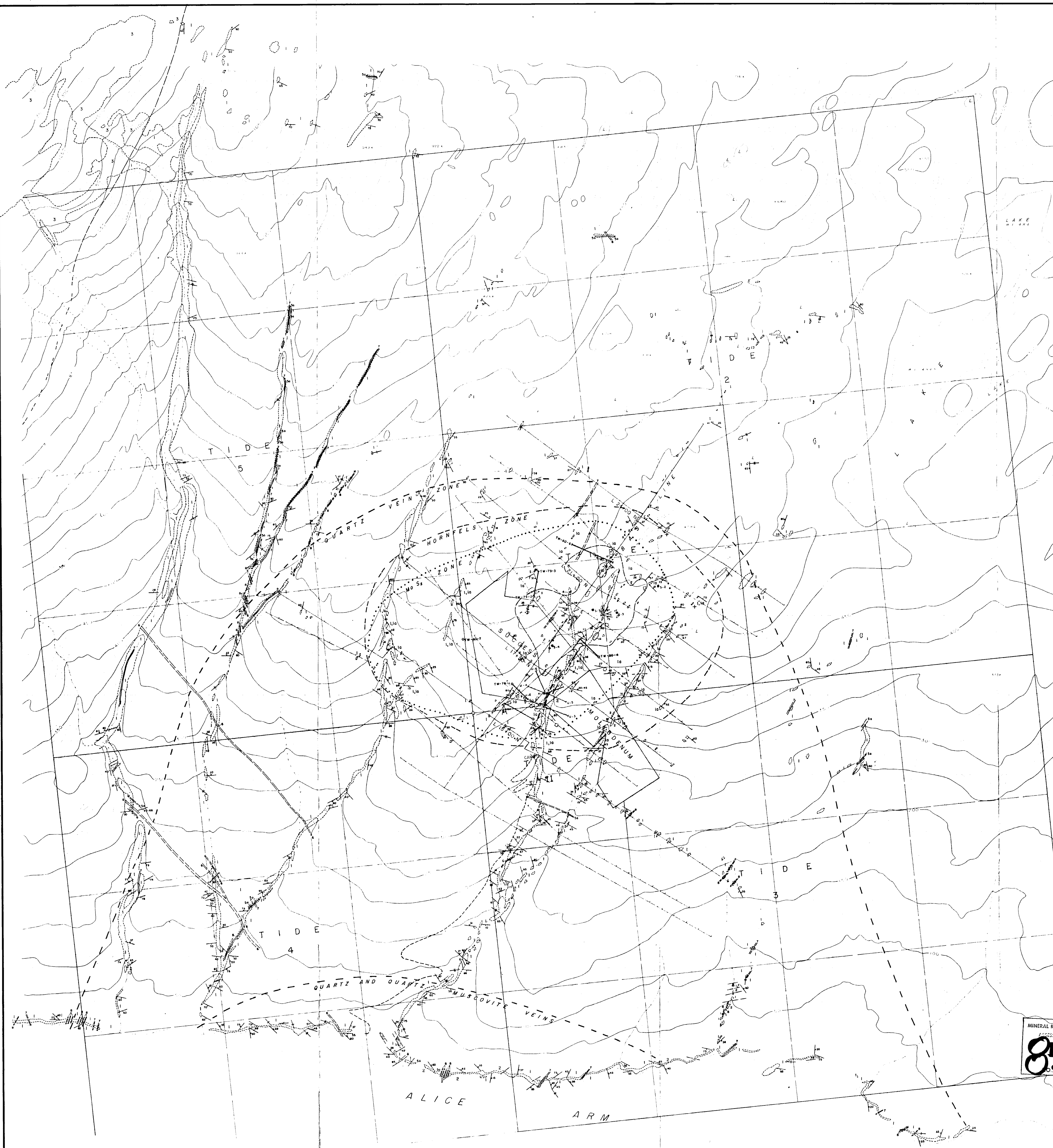
Period of Work May 17 to June 7, 1980

Connors Drilling, PO Box 2007, Kamloops, B.C.
Inv. #10349 and 10358

\$80,162.07

=====

This work to be applied for 1 year to Tide 2, Tide 4
2 years to Tide 5.



LEGEND

- DYKES**
- 8 Lamprophyre, basalt.
 - 7 Andesite, microdiorite, fine grained porphyritic diorite, dacite.
 - 6 Porphyritic granodiorite.
 - 5 Sa Felsite, Sb quartz porphyry, Sc aplite.
- TIDEWATER STOCK**
- 4 Quartz monzonite, quartz feldspar porphyry.
- COAST RANGE BATHOLITH**
- 3 Granodiorite.
- HAZELTON GROUP**
- 2 Tuff, crystal tuff.
 - 1 Argillite, siltstone, greywacke, ls hornfelsic equivalents.

SYMBOLS

- Outcrop.
- Float.
- Geological contact.
- Fault or shear, showing dip.
- Bedding attitude (horizontal, vertical, inclined, overturned).
- Vein attitude (inclined, vertical).
- Limit of quartz vein zone.
- Limit of hornfels zone.
- Limit of MoS₂ zone.
- Grid lines: picketed, flagged.
- Drill hole (underground 1964, surface 1965 by Canex).
- Adit portal location.
- Legal corner post, claim boundary.
- Claim unit boundary.
- Boundary of crown grant.
- Stream.
- Swamp.
- Trail.
- Topographic contour (contour interval 10 metres).
- Diamond drill hole (AMAX 1979, 1980).

NOTE —
Canex-Placer drill holes U-1 to U-7 and S-1 to S-5, renumbered 64-1 to 64-7 and 65-1 to 65-5 respectively.

MINERAL RESOURCES BRANCH
PROSPECTIVE REPORT
8589

AMAX OF CANADA LIMITED
TIDEWATER PROPERTY
SKEENA MINING DIVISION — BRITISH COLUMBIA

GEOLOGICAL MAP

SCALE 1:5,000
200 0 200 METRES
500 0 500 FEET

To accompany 1980 Property Report by: D.G. Allen and P.N. McCarter.