1980 Drilling Assessment Report

TITLE	Tidewater Property
CLAIMS	Tide, Tide II, Tide 2, 3, 4, and 5 Crown Grants Success and Molybdenum
COMMODITY	Мо
LOCATED	5 km west of Kitsault, B.C. Latitude 55°28'N Longitude 129°34'W Skeena Mining Diviision 103 P 5
ВҮ	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



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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 metasedimentary 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 Tidwater 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.

<u>C1</u>	aim	Record D	ate	Record Number
Tide	4 units	July 20,	1977	395
Tide II	l 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
Crown Grants				
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



N. T. S. Ref. 103P5



AMAX OF CANADA LIMITED

TIDEWATER PROPERTY SKEENA MINING DIVISION - BRITISH COLUMBIA

CLAIM MAP



N. T. S. R. H. 103 PS 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 westnorthwest 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 cuartz 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 $052^{\circ}/65^{\circ}NE$ and $142^{\circ}/41^{\circ}NW$ 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 ($048^{\circ}/85^{\circ}NW$). Other weaker trends are flat ($164^{\circ}/25^{\circ}E$ and west ($000^{\circ}/85^{\circ}S$) to northwest ($145^{\circ}/67^{\circ}SW$), possibly reflecting a flat and radial system of quartz-filled fractures.

Molybdenite occurs in scattered banded quartzmolybdenite 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.

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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.)







FIG. 40

SUMMARY OF GEOLOGY AND MOLYBDENUM ASSAYS

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

LOG

<u>L0G</u>		INTERVAL (m)	% MoS ₂
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° - -60° Dip - To test the high grade veins further to the northeast. Target The hole was terminated prematurely for technical reasons.

LOG		INTERVAL (m)	% MoS2
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

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DDH_TW-80-6	Location - Northern	margin of Tidewater Stock; ele	vation 590 m;
	Tide, Tid	le 2 claims	
	Depth - 171.3 m ((562')	
	Azimuth - 300°		
	Dip60°		
	Target - To test n	orthern margin of the stock	
LOG		INTERVAL (m)	% MoS2
0- 2.4 r	n Overburden	2.4- 32.0 (3	0 m) 0.057
2.4- 13.9	Quartz monzonite	32.0-171.3 (14	10 m)0.007
13.9- 39.5	Purple and grey-g	reen hornfels	
39.5- 41.0	Aplite		
41.0- 50.3	Porphyritic basal	t dyke	
50.3-103.1	Purple and grey-g	reen hornfels	
103.1-137.1	Unhornfelsed meta	sedimentary rock	
137.1-168.0	Purple and grey-g	reen hornfels	
168.0-171.3	Unhornfelsed meta	sedimentary rock	

<u>DDH TW-80-7</u>	Location - West of Tidewater Stock; ele Tide 5 claim Depth - 190.5 m (625') Azimuth - 0 Dip - 90° Target - To test quartz-molybdenite v developed hornfels which mig blind molybdenum-bearing int at depth	evation 518 m; weins in weakly wht overlie a crusive cupola
LOG 0- 1.9 m 1.9- 65.7 65.7- 70.3	Overburden Unhornfelsed metasedimentary rocks Purple and grey-green hornfels	<u>INTERVAL (m) % MoS₂</u> 1.0-190.5 (188) <0.001

70.	3-	94.0	Weakly	hornfelsed	metasedimentary	rocks
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94.0-190.5 Unhornfelsed metasedimentary rocks

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REFERENCE

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

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APPENDIX I - DRILL LOGS & ASSAYS

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DIAMOND DRILL RECORD

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PROPERTY _	TIDEWATER	Project Number _ #971	<u> </u>	
Hole No	TW 80-4	Co-ordinates	Bearing at Collar	3200
			Dip at Collar	-70 ⁰
		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 Conno	rs Drilling

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Survey Summary		Pert:	Pertinent Assay Data			Pertinent Geology				
Depth	Dip	Bearing	Method	Interv 2.1-40m 40-82 82-110 110-130 130-140 140-177 177-190 190-224 224-274	(38m) (42m) (28m) (20m) (10m) (37m) (13m) (34m) (50m)	% 0.012 0.033 0.029 0.007 0.039 0.013 0.004 0.101 0.020	MoS2) 70m) 0.003 }	0-2.1m 2.1-19.7 19.7-244.6 244.6-274.3	Interval Ove Wea Pur Tid	Rock Type erburden kly hornfelsed metasedimentary rocks (siltstone, argillite, greywacke) ple and grey-green hornfelsed metasedimentary rocks. Minor tuffaceous and skarn bands. Local andesite dikes. ewater Stock - quartz monzonite

DDH TW 80-4 Sheet 1 of 20

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I I I	2		- CCC			Α	SS A	Y D	ΑΤΑ		\downarrow	.		<u> </u>	EI	N S				%	MI	NE		LS	
0.67	LITH.	SE DOIN		2 %	A55/	SAMPLE NO AND INTERVAL	EST. Mos ₂	% Mo\$2			Qtz	Q 1 Z Py	Q12 MoSz	Py	MoSz	Carb	Ch1	Qtz mus	e	K-Feid	Biotite	Musc	Pyrrh		NOTES
2								<u> </u>	 	ļ															2.1 - 51.5 - Metasedimentary rocks - mainly argillite and siltstone and greywacke.
4	, .		12	53		61601	.012	2.004					12		3	1							1		$\frac{2.1 - 2.6}{2.6 - 5.1} - \text{ weakly hornfelsed}$
6			20	95		61602	. 020	.003			5		20			5							.5		- $MOS2 \pm quartz @ 15 , quartz-MOS2 @ 60^{\circ} - 85(younger) - carbonate veinlets @ 5^{\circ} - 10^{\circ} (laterthan guartz-MOS2)$
			20	67		61603	.004	.016					4			20							.1		$\frac{4.6}{4.6} - quartz-MoS2 vein @ 60°, 2 cm wide - pyrite+ muscovite on vein selvages$
-10			13	100		61604	.008	3.020					8		1	20	4						.5		$\frac{5.1 - 8.5 - \text{weakly hornfelsed}}{6.6 - \text{quartz-MoS2 vein @ 60°, 1 cm wide - MoS2}}$
			15	100		61605	.018	.007			7		18			35	2						.5		$\frac{8.5 - 10.6}{\text{ions}} - \text{purple hornfels, some spotted sect-}$
14			15	96		61606	.013	.028			4		13			25							1		<u>8.5 - 9.0</u> - quartz (cordierite?) porphyroblasts altered to chlorite along carbonate fractures
16			9	94		61607	.012	.015			2		12			13							.1		- quartz-MoS2 @ 55° - 60° - carbonate veins @ 5°
18			20	98		61608	.006	.004			4		6			27							.1		sections - purple hornfels adjacent to quartz- MoS2 veins
-20		ļ	720	95		61609	.025	.032				1	21		1	48							. 2		$\frac{10.1}{12.0} - \text{quartz-MoS2} @ 45^{\circ}, 1 \text{ cm wide}) \\ \frac{12.0}{12.0} - \text{quartz-MoS2} @ 10^{\circ}, 1 \text{ cm wide}) \\ \text{selvages}.$
-22			14	91		61 610	.006	. 008			3	1	6			45	2					T	tr		<u>13.0 - 13.3</u> - aplite dike @ 20°, fine grained, quartz, feldspar - MoS2 in quartz-rich area along
-24			>20	98		61611	.023	.016			23		11	1	2	36							tr		MoS2 - late carbonate fractures. <u>18.4</u> - banded quartz-MoS2 vein @ 63°, 7 cm wide
26			20	90		61612	.005	.001			12		5			13		34					. 2		- MoS2 bands along vein selvages, minor pyrite, Musc.
28			20	98		61613	.011	.005	-		2	ı	5		8	27		38			Τ		1		<u>19.7 - 44.6</u> - Purple hornfelsed argillite - some spotted sections 21.1 - guartz-Muscovite-chlorite-purite-MoS2
30			20	95		61614	.010	.026			1	2	8		1	26		17					1		vein - banded @ 35° , 2 cm wide. 21.9 - quartz-chlorite-muscovite vein @ 25° ,
Ľ																									2 cm wide

TIDEWATER PROPERTY

DDH TW 80-4 SHEET 2 OF 20

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12020	METRE	LITH. BEDDING	FAULTS	NUMBER OF	8 %	70 V	ASSAT	SAMPLE N AND INTERVAL	O EST	1. % 1g MoS	2	912	Q 12 Py	Qtz MoSy	Ру	MoSg	Carb	·		K-Feld	Biotite	VIN L		Ĩ	NOTES
					%																				22.0 - 23.1 - stockwork quartz, chlorite and carbonate veins - irregular alteration - sericite, chloritic - carbonate veins contain quartz. 23.8 - quartz vein @ 800, 2 cm wide, brecciated trace MoS2 26.2 - 28.1 - Fine grained MoS2 along fractures 45° - 70°
L			\square	\square				L				<u> </u>	\Box'		\square'	\square'	\Box'								

TIDEWATER PROPERTY

DDH <u>TW 80-4</u> Sheet <u>3</u> of <u>2</u>0

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DEPT1 METRE	LITH.	9NHOO38	FAULTS	e i čes	7 7 0/- 7 7 9/-	INTERCE	SAMPLE NO. AND INTERVAL	EST. Mos _e	°∕ø MoSz			Qtz	Qtz Py	Q1z MoSz	Py	MoSz	Carb	Qtz musc	Chl	K-Feid	Biofite	Musc stritto	VELLE	cheeli	NOTES
30			-20) 9	99		61615	.005	.006			2		5			11	49						2tr	<u>30.0 - 30.1</u> - Irregular quartz-MoS2 vein @ 60 ⁰ - chloritic and sericitic alteration
			2	0 9	4		61616	006	028				1	5	2	2	9	32						3	<u>30.7 - 30.8</u> - diopside-garnet skarn band with scheelite
54]		72	09	0		61617	018	.004			2		10		9	21	53	5					1	$\frac{31.8}{34.7 - 35.6} - \text{Broken core chlorite & calcite}$ along fractures - shearing @ 70°
30]		y 2	0.2	0		61618	007	.007			2	5	7			30	>50					tı	r	34.1 - 6 cm wide band of serecitic alteration and associated irregular quartz veining.
40			72	0 9	8		61619	.004	003			4	1	4	1	1	32	26	10				•	1	<u>34.3</u> - same as 34.1 <u>34.5</u> - same as 34.1 35.8 - 36.8 - Intense quartz-muscovite veining @
42			72	0 9	5		61620	014	136					13		4	22	21					tu	r	50°, 2-4/cm 36.9 - skarn band, 5 cm wide, chlorite sericite,
44			72	0 9	8		61621	009	.005			2		6		4	28	14	12		_			1	pyrite, quartz garnet. <u>38.2 - 38.8</u> - broken core, chlorite along fractures @ 70° & 2° - shearing
46			72	0 8	3		61622	003	110			8		3			16	8	3		_		t.	r	<u>40.1</u> - banded MoS2 quartz vein @ 53 ⁰ , 5 cm wide; pyrite
48			2	011	.2		61623	003	.005			6	3	4			21	8	1				b 1	r	<u>41.7 - 42.1</u> - irregular quartz-MoS2 vein @ 20 ⁰ to parallel to core green sericitic and chloritic
50			2	06	٥		61624	002	.003			4		2		1	5	6						3	alteration 42.3 - 42.4 - skarn; green sericited and diopside 42.7 - 42.3 - broken core chlorite and serpentine
. 52			> 2	0 9	5		61625 .	004	.005			3	1	4			5	46					<u> </u> :	2	along shears @ 45° 44.4 - banded quartz - MoS2 vein - @ 55° , 5 cm
- 54			72	09	5		61626 .	002	.057					3			5	21							wide <u>44.6 - 46.0 - Weakly hornfelsed argillite - veining</u>
- se			1	89	0		61627	005	037		· · · ·	2		4			13	47							10w <u>46.0 - 51.5 - Purple hornfelsed argillite - some</u> spotted sections
					_							 													<u>46.9 - 47.0</u> - skarn-zoned sericitic and diopside <u>49.5 - 49.9</u> - garnet diopside skarn with diop-
					_							<u> </u>										_	_		50.9 - Banded quartz-MoS2 vein @ 58°, 4 cm wide, pyrite - minor sphalerite and galena

00H	TW	30-4	
SHEE	T 4	OF	20

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Image: Single of the second	0 E P T METRI	LITH.	BEDDING	FAULT:	8 H 8	ASSA	INTERCE	AMPLE NO. AND INTERVAL	% MoS2				Q † 2	Q†z Py	Q12 MoSz	Py	MoS2	Carb		K-Feld	Biolite			NOTES
	OEPT*	LITH.	BEDDING						5 S A % MoS ₂															NOTES 51.5 - 53.2 - andesite dike @ 60° (1st contact) and 70° (2nd contact) 52.2 - 52.4 - xenolith of hornfels in dike 53.2 - 72.4 - Metasedimentary Rocks 53.2 - 72.4 - Purple hornfelsed argillite 54.1 - 54.2 - banded quartz-MoS2 @ , pyrite, asenopyrite, sphal.

AMAX MINERALS EXPLORATION

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TIDEWATER PROPERTY

L_0	GRAI	PHIC	LOG	ت ا	TS	Δ	S S A	Y D	ΔΤΔ		Γ			V	C ; (NI C				/				
DEPTH	L I TH.			% RE	ASSAY INTERCEP	SAMPLE NO AND INTERVAL	EST. Mosz	% Mo Sz			Qtz	Qtz Py	Q1z MoSz	Py	MoSz	Carb	Qtz Mus	c	K-Feld	Biotite Z	Mulc	Pyrrhod	LS	NOTES
56 - 58		2	> 20	99		61628	.007	.010		-	1		8			33	22		T			. 8		$\frac{57.3}{61.5} - \text{ banded quartz-MoS2 @ 75°, 2 cm wide}$
- 60			20	100		61629	.002	.045		l 			3			34	38					tr		banded 61.5 - 61.9 - broken core
62		7	20	90		61630	- 008	.034		! 	1		8			29	6					. 2		<u>62.8 - 62.9</u> - quartz bands with sericite, MoS2, pyrite - parallel to bedding, irregular 63.1 - 64.8 - strongly hornfelsed, sericitized
- 64		7	20	100		61631	.006	.020			3	1	7			37	15		Ļ			.1		areas 64.9 - banded quartz-MoS2 vein @ 85 ⁰ , 5 cm wide
- 66			20	94		61632	.006	.019			7	1	5			35	15		_			tr		- traces MoS2, chlorite bands - cut by later quartz - MoS2 @ 50° (more MoS2) <u>65.5</u> - quartz-MoS2 vein @ 20° , 4 cm wide - trace
- 68		>	20	95 101		61633	.008	.004			3		6		1	31	23		+			tr		MoS2 67.0 - limy band, diopside, chlorite, sericite,
- 70			20	100		61635	.009	.130				2	10			28	24		╞	$\left \right $	_			$\frac{69.1}{69.3} - \text{banded quartz-MoS2 vein @ 30° - 4 cm wide,}$
- 72-		l	10	100		61636	-001	. 001					10			22	21					• 7	-	$\frac{69.9}{71.8}$ - same as 69.1 $\frac{71.8}{71.9}$ - banded quartz - MoS2 veins, pyrite,
74			12	10:		61637	.017	.021			- 7		15	1		2	4			╎┤		• •		72.3 - 72.4 - andesite dike - both contacts at 45° 72.4 - 80.6 - Metasedimentary Rocks.
- 70			10	97		61638	.004	.024					4			6	5		-			tr		$\frac{72.4 - 80.6}{72.6} - Purple hornfelsed argillite \frac{72.6}{72.6} - andesite dikelet @ 45°, 1 cm wide 72.6 - 72.7 - limy band - diopside + chlorite. epidote$
- 80			11	96		61639	.003	.003			3		3			5	3		1			tr		$\frac{74.1 - 74.2}{5}$ - quartz-MoS2 @ 48° in contact with skarn?
82			15	10:		61640	.005	.004			2		6			12	12					tr		$\frac{73.0}{70^{\circ}}$ = irregular quartz \pm MoS2 veining @ $\frac{75.3}{75.3}$ and $\frac{75.8}{75.6}$ = banded quartz-MoS2 veins @ 65° ,
. 84		7	20	90		61641	.004	.070			1		3			14	11				1	tr		2 cm wide <u>77.5 - 77.6</u> - limy band @ 75 ⁰ , diopside \pm chlorite, sericite
					╞																			77.9 - quartz-Mos2 vein @ 25° - 2 cm wide - good Mos2
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TIDEWATER PROPERTY

DDH _____ SHEET 6_ 0F20____

т	GRAF		LOG	ن	5 L	Δ	SSA	Y D	ΑΤΑ					V	EIN	IS I		%	MIN	IER	ALS	5
DEPT	LITH.	FAULTS		% R E	ASSA	SAMPLE NO AND INTERVAL	D EST. Mosz	% MoSz			Qtz	Qtz Py	Qtz MoSz	Ру	MoSt	Carb		K-Feid	Biotite Musc			NOTES
																						80.6 - 80.7 - aplite dike @ 75 ⁰ - green sericitic alteration adjacent to dike.
																						80.7 - 106.6 - Metasedimentary Rocks $80.7 - 106.6 - Purple hornfels$ $02.7 - 106.6 - Purple hornfels$
																						$\frac{82.7}{3-4*}$ = Quartz-MoS2 Vein @ 35°, 2 cm wide; 3-4* MoS2 on selvage 83.5 - 83.6 - guartz-MoS2 vein @ 15°, 3 cm wide;
																						1-2% MoS2 along selvage
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TIDEWATER PROPERTY

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DEPTH	LITH.	BEDOING	FAULTS NUMBER	% RE	ASSAY	SAMPLE NO. AND INTERVAL	EST. Mos2	% Mo 5 ₂		Qtz	Qtz Py	Qtz MoSz	Py	MoSz	Carb	Qtz Mus	2		K - Feid	Biotite	Muic Vrr-	otite		NOTES
84 - 86			20	98	2	61642	.007	.024		1		8			29	28					2			<u>84.5</u> - quartz-MoS2 vein @ 40 ⁰ - trace MoS2 <u>85.4</u> - quartz-MoS2 vein @ 65 ⁰ - 2-3% MoS2 in
- 88			10	99		61643	.007	.005		4		6	1		19	15					r			bands <u>87.0</u> - quartz <u>+</u> MoS2 vein @ 70 ⁰ - 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					<u> </u>			<u>91.6 - 91.7</u> - Timy band - diopside <u>+</u> chlorite, epidote, sericite, carb <u>94.2 - 94.3</u> - limy band-diopside [±] chlorite,
94			>20	96		61646	.005	.028		 1		6			12	18					¢r			epidote, sericite, carb. 93.3 - quartz-MoS2 vein @ 38 ⁰ , 2 cm wide - 2%
- 96			>20	95		61647	.003	-008		7		4			47	13					tr			MOS2 in bands 93.7 - 93.8 - shear zone? - broken and heavily fractured.
- 98			>20	100	•	61648	.005	.026		5	:	5			56	8					tr	$\left \right $		<u>95.8 - 96.2</u> - shear zone 0.5° - broken core, carbonate and chlorite and clays along fractures.
100			> <u>20</u>	90		61649	.020	.086		2		6			45	7			$\left\{ \cdot \right\}$		<u> </u>	$\left \right $		98.2 - quartz-MoS2 Vein @ 25 , 2 cm wide, sericiti halo, 1% MoS2 98.7 - 99.4 - sections of broken and sheared core
102		:	- 20	101		61650	.003	.011		 9		3			36	18			$\left\{ -\right\}$		<u>+</u>	+		@ 25° 99.4 - 99.6 - quartz-MoS2 vein @ 60° - 20 cm wide
104			-20	100		61651	.008	.016		 16		7			29	19			$\left\{ \cdot \right\}$	+				(slightly pegmatitic) - MoS2 along fractures in vein, feldspar is serici ^t ized - MoS2 about 2%, No pyrite, late carbonate fractures in vein
106			720	95		61652	.001	.009		 4	5	2			31	20			┠╌┤		<u>tr</u>	·		99.9 - vuggy quartz-carbonate vein @ 45°, up to 10 cm wide - hornfels altered to green sericite ad-
108			120	100		61654	.001	.084		8 5	2	2		1	25	14 20	i							jacent to vein <u>100.0 - 103.0</u> - feldspathic fragments in hornfels 101.0 - 101.2 - zone of green sericitic alteration
110								•				-				20					-+-			bounded by dark green chloritic and/or diopside zone
ŀ			\square			······				 														<u>102.0</u> - quartz-MoS2 @ 25°, 2 cm wide, 2% MoS2 on selvage 103.7 - zone of green sericitic alteration
																								$\frac{104.7 - 105.0}{0}$ - broken core, possible shear zone

TIDEWATER PROPERTY

TW 80-4 DDH <u>TW 80-4</u> SHEET <u>8</u> OF <u>20</u>

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Ξ	GRA	РНІС	LOG	- 0		P T S	A	SSA	Y D	ΑΤΑ	 Ι			V	EII	N S		%	MI	NEF	RAL	S	
DEPT	LITH.	BEDOING		CIECES	ASSA	INTERCE	AMPLE NO. AND INTERVAL	EST. Mos _e	% MoSz		012	Q t z Py	Qtz MoSz	Py	MoSg	Carb		K-Feld	Biotite	Muac			NOTES
																							<pre>106.2 - 106.3 - 1imy band @ 50⁰, green diopside + chlorite, epidote, sericite 106.6 - 106.9 - Aplite dike @ 70⁰ - contains bands of garnet and diopside skarn - sericite then diop- side zones adjacent to aplite 106.9 - 121.2 - Metasedimentary rocks <u>106.9 - 121.2 - Purple Hornfels</u> <u>107.0 - 107.2 - irregular patches of diopsidic and sericitic alteration 107.3 - 107.4) - zones of intense sericitization 107.5 - 107.6) - and iron stathing. 108.1 - quartz-MoS2 vein @ 60⁰, 2 cm wide, pyrice 3% MoS2 <u>108.4</u> - quartz-MoS2 vein @ 30, 2 cm wide, 4% MoS2 - MoS2 in bands along vein selvages and within vein</u></pre>
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TW 80-4 DDH SHEET 9__ OF 20_

- "	GRAPH	IIC L	.06	10	ľ		SSA	Y D	ATA				V	FI	N S			•%	MI	NE	R A		
0 EPT	L I TH. BEDDING	FAULTS	NUMBER DF FIECES	% RE	ASSAY INTERCER	SAMPLE NO. AND INTERVAL	EST. Mosz	%, Mo5₂		Qtz	Qtz Py	Q1z MoSz	Ру	MoSz	Carb	Qtz musc		K-Feld	Biotite	Musc Musc	Y t t t t t		NOTES
110										 								╞╤╋	_	- 4	-	-	
-112			17	100		61655	.012	.007		2	6	9		2	17	11					3		<u>110.5</u> - quartz-MoS2 vein @ 25 ⁰ , 2 cm wide; pyrite, 1% MoS2
114			6	94		61656	.002	.008		9	2	3			5	6				t	r		<u>111.4</u> - banded quartz-MoS2 vein @ 55 ⁰ , 2 cm wide, pyrite, 3% MoS2
116		R	20	99		61657	.001	.001		9	3	2			15	4				Τ.	1		<u>120.0</u> - quartz-MoS2 vein @ 30 ⁰ , 3 cm wide; pyrite, 1-2% MoS2
-118		7	20	80		61658	.002	.005		8	1	3			14	6				t	r		121.2 - 121.7 - andesite dike lstcontact @ 30 ⁰ , 2nd contact at 45 ⁰ 121.7 - 123.6 - Metasedimentary Rocks
120		7	20	113		61659	.007	.014		 4	1	6			53	2					1		$\frac{121.7 - 123.6}{121.9 - quartz-MoS2 @ 65°, 5 cm wide; pyrite$
127		7	20	93		61660	.005	.011		 4	1	4			30	4				t	r		$\frac{122.1 - 122.2}{123.6 - 125.9} = andesite dike = let contact (1.200) and$
***			20	105		61661	.001	.014		 4		1			11	5				t	r		contact @ 20 [°] - green alteration zone adjacent to dike - 8-10% phenocrysts of hornblende and
124			12	100			-																altered plagioclase - dike transected by late carbonate veinlets
126		7	20	95		61662	.005	.006		3		4			19	11				t	r	Π	125.9 - 131.4 - Metasedimentary Rocks <u>121.9 - 131.4</u> - Purple Hornfels - some spotted
120		7	20	98		61663	.005	.001		2	3	3		1	32	4			T	t	r		<u>127.1</u> -quartz-MoS2 vein @ 25 ⁰ , 2 cm wide; pvrite. 3% MoS2 along vein selvages
130		7	20	91		61664	.009	.012		1	6	2			48	1				t	r	\uparrow	<u>129.6 - 130.4</u> - green (sericitic) alteration zone
132		7	20	97		61665	.005	.025		4		3		1	45				1	t	r r		<u>131.1 - 131.3</u> - banded quartz-MoS2 vein @ 40° , pyrite, 4% MoS2 - MoS2 along selvages and
134		7	20	91		61666	.010	.053		3	l	5			28	12				t	r		131.4 - 133.5 - green andesite dike 1st contact @ 50 [°] , 2nd contact @ 50 [°] - green, fine-grained,
120		7	20	100		61667	.020	.026		1		13		1	34	9					3		possibly premineralization - contains carbonate and some banded quartz-MoS2 veins
130																							<u>132.2 - 132.3</u> - brecciated quartz vein - chlorite MoS2 and pyrite along fractures and in matrix
		ľ																	┢	╞	T		$\frac{132.7 - 132.9}{133.5 - 143.0 - Metasedimentary Rocks}$ $133.5 - 143.0 - Purple hornfels, some spotted$
		1					<u> </u>													1_	L		LEATTAIN

DDH ______ TW 80-4 SHEET 10__ OF20____

_ <u>.</u> 9	GRA	PHIC	LOG	ပ်	PTS	A	SSA	Y D	ATA				VI	ΕΙΝ	S		%	MIN	ER	ALS	S
DEPT	LITH.	BEDDING FAULTS	NUMBER OF PIECES	% RE	ASSAY	SAMPLE NO AND INTERVAL	EST. Mos ₂	% MoSz		Q†z	Qtz Py	Qtz MoS ₂	Py	MoSz	Carb		K-Feid	Biofite Musc	Π		NOTES
																					<pre>134.6 - 134.7 - banded quartz-MoS2 vein @ 55^o pyrite, 4% MoS2 - green serecitic alteration halo. 135.5 - 136.4 - green sericitic alteration zone 135.7 - 136.0 - quartz-MoS2 vein @ 5^o, 2 cm wide, <1% MoS2 136.0 - 136.3 - irregular quartz-MoS2 veins @ 45^o; pyrite, chlorite, 3% MoS2</pre>
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TIDEWATER PROPERTY

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王띭	y.	2	5 5	С Ш	<u>بة</u> 2	A	55 A			1	<u> </u>	T				V S				%	M I	INE	RZ	LS	
D M M T	LITH.	FAUL'	NUM D	% R	ASS	SAMPLE NO. AND INTERVAL	EST. Mos ₂	™oS2			Q1z	Q I Z Py	Qtz MoS ₂	Ру	MoS <u>z</u>	Carb	Qtz mus	Chl C		K-Feid	Biofite	Muic VEE-	sche		NOTES
138		7	20	108		61668	.002	.067			6	1	2			25	1						r	-	<u>138.0 - 138.2</u> - garnet-diopside skarn - trace scheelite
140		>	20	102		61669	.013	.001			9		11			26	3						r.	-	<u>139.7 - 140.2</u> - skarn band, diopside, chlorite epidote, sericite, carb.
142		7	20	92		61670	.006	.004			43		6	2		16						-	1		<u>140.0</u> - quartz vein @ 65 2 cm wide; trace MoS2 and scheelite
144		7	20	100		616 81	.001	.014			2		2			12						.]	L		wide, 7% MoS2 141.6 - 141.7 - irregular quartz bands and
-148			17	100									1												lenses along bedding planes - trace pyrite 142.4 - 142.3 - irregular quartz bands and
150			11	100								 													<u>143.7 - 143.9</u> - irregular quartz veins in silicified hornfels
152		>	20	97		61672	.001	.001			4	 	2			29	4					1	L		<u>143.8</u> - quartz-MoS2 vein @ 75 ⁰ , 2 cm wide; pyrite, <1% MoS2
154			16	106		61673		.034	 																143.0 - 143.2 - aplite dike, fine grained, quartz - 50%, feldspar - 45%, biotite and muscovite - 5% - dike contacts @ 90 ⁰
-156			7	100																					143.2 - 145.0 - Hornfels - green and brown with quartz bands - silicified and sericitized.
-158			19	100																		£r			<pre>145.0 - 149.8 - basalt → andesite dike - 25% plag- ioclase phenocrysts - 1st contact @ 45⁰, 2nd contact @ 45⁹</pre>
160		>	20	113		61674	. 002)	. öö3	lith a 158.9	nd -160,	17	1	3			19	5		a .			r			$\frac{147.1 - 147.4}{\text{quartz} - \text{MoS2 vein.}}$
162		>	20	97		61675	.008	.013			Ĺ		7	2	1	19	3	4			_	1			149.8 - 153.6 - Metasedimentary Rocks <u>149.8 - 153.6</u> - Purple hornfels, some spotted
164		7	20	100		61676	.010	.021			4		5		2	35	16	1				r			sections <u>150.9</u> - quartz vein, irregular, zoned outward: sericitedchloritedpiotitedquartz
┝┤																									$\frac{153.0 - 153.6}{\text{to dike}}$ - greenish alteration adjacent
																					_			_	153.6 - 158.9 - andesite dike - 15-20% altered plag- ioclase and hornblende phenocrysts - 1st contact
																									<pre>@ /5-, 2nd contact @ 20" (Irregular) 157.4 - 158.6 - xenolith of hornfels - silicified and sericitized</pre>

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DDH TW 80-4 SHEET 12 OF 20

- m	GRAF	PHIC	LOG	U	Τ	715	A	SSA	YD	ATA				V	EIN	I S		 %	MIN	ER	ALS	
DEPTH Metre	LITH.	FAULTS		% RE	ASSAY	INTERCE!	AMPLE NO. And Interval	EST. Mos ₂	% Mo52		Qtz	Q12 Py	Q1z MoSz	Py	MoSz	Carb		 K-Feld	Biotute			NOTES
									% Mo S2			Q 1 2 Py	Q1z MoSz	Py	MoS ₂							<pre>158.9 - 171.8 - Metasedimentary Rock 158.9 - 171.4 - Purple Hornfels - strongly banded 160.1 - 160.3 - skarn band - diopside, chlorite, epidote, sericite 160.4 - garnet-diopside skarn band 8 cm wide 161.0 - 161.5 - quartz-MoS2 vein along core sericitic alteration 162.0 - quartz-MoS2 vein @ 40°, 4 cm wide trace MoS2 162.3 - 162.4 - limy band - chlorite, diop- side, epidote sericite, carb. 162.6 - limy band 162.8 - 163.0 - sericitized zone 163.5 - garnet - diopside skarn, trace schee- lite.</pre>
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тß	GRAP	HIC	LOG	U U	PTS	Δ	SSA	Y D	ΑΤΑ				VI	EIM	٧S				%	M	INE	λAL	LS	
06PT	LITH. BEDDIMG	E 411 7 4		% RE	ASSAY	SAMPLE NO AND INTERVAL	EST. NoSz	% MoSz		 Qtz	Q t z Py	Qtz MoSz	Py	MoSz	Corb	Qtz nusc	Chl		K-Feld	Biotute	PVE Tho		\Box	NOTES
164 166		>	> 20	10		61677	.011	.006		2	2	5		4	42	18					tr			<u>163.8</u> - quartz-MoS2 vein @ 65 ⁰ , 2 cm wide; pyrite, scheelite
168		7	720	10		61678	. 009	.030		 3	1	5		2	36						.2	2		<u>164.0, 164.1 & 164.6</u> - skarn bands, 3 - 4 cm wide diopside, chlorite, epidote, sericite 164.8 - 165.7 - zone of green sericitization
100		;	> 20	92		61679	.001	.001						1	11	6	2				. 5	5		$\frac{104.0}{166.0} - \frac{105.1}{9}$ - green skarn band cut b y quartz vein
172		=	20	99		61680	.004	.001		 1	2	3		1	19	1					.3	3		<u>166.6</u> - garnet-diopside skarn band <u>167.5</u> - banded quartz-MoS2 vein @ 65° 2 cm
174-		>	7 20	10		61681	.010	.034		 2		5		4	36	9	1				. 8	3		wide; 10 MoS2 in bands <u>167.6 - 169.4</u> - Hornfels-spotted, well- banded and dark grey
176			15	99		61682	.005	.023		 3	1	4			42	11					tr			171.4 - 171.8 - Lamprophyre dike - fine grained, dark green to black - contacts @ 50 ⁰
178			20	10		61683	.003	.013		 3		3			18	6					tr			171.8 - 174.9 - Metasedimentary Rocks <u>171.8 - 174.9</u> - Purple and green (sericitized) hornfals - spotted and handed
180			12	95		61684	.002	.002		 4	2	1		1	30	18					1		Ц	$\frac{172.4}{MoS2}$ - quartz-MoS2 vein @ 15, 2 cm wide, ≤ 1 %
182		7	20	10		61685	.005	.003		 9		3	3	2	40	5	9				1			<u>172.6</u> - quartz-MoS2 vein @ 60, 2 cm wide,∇1% MoS2 174.5 - 174.6 - green skarn band, diopside,
184		>	20	99		61686	.010	.009		 3		6	1	3	49	15	3							chlorite, sericite, epidote 174.9 - 175.5 - andesite ->basalt dike - 10% plag-
186		7	20	99		61687	.007	.002		 1		7			55	18				_	1			ioclase & 15% hornblende - phenoc _{rysts} contacts @ 65 ⁰ 175 5 - 177 0 - Metasedimentary Rocks
-188-			6	10		61688	.006	.002		 7	1	6			24	9				_	.3			<u>175.5 - 177.0</u> - Purple and green (sericitized) hornfels, - spotted and banded
190			13	98		61689	.010	.005		7		6		4	29	15				_	.2			177.0 - 178.7 - andesite dike-phenocrysts - altered plagioclase - 20%, hornblende 3-5% - contacts
192		7	7 20	96		61690	.007	.018		 2		5	1		36	4				_	.1			178.7 - 191.5 - Metasedimentary Rocks 178.7 - 191.2 - Purple and green hornfels -
																				\downarrow	_			spotted and banded 182.2 - 182.8 - green sericite alteration zone

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	ᆔᇲᄂ	GRA	PHIC	: LO	3	ပံ	ł	^	A	SSA	Y D	ATA				v	EII	V S		%	MI	INE	RA	ιs	
0607+	METRE	Li TH.		FAULTS NUMBER	11211	% RE	ASSAY		MPLE NO. AND NTERVAL	EST. MoSz	% MoSz		Q 1 2	Q t z Py	Qtz MoSz	Py	MoSz	Carb		K - Feld	Biotite	Musc	T		NOTES
																									<pre>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°, 1 cm wide; 1% MoS2 189.8 - banded quartz-MoS2 vein @ 55°, 1 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.</pre>

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±Ω	GRAPH	1C LO	G	ပ္ဆံ	Y EPTS	Α	SSA	Y D	ΑΤΑ				VE	EIN	IS				%	MI	ΝĘŢ	RAL	s	
D E P T ME T R	LITH. BEDDING	FAULT:	PIECE	% R {	ASSA	SAMPLE NO. AND INTERVAL	EST. Mos _e	% Mo\$2		Qtz	Q t z Py	Q1z MoSz	Ру	MoSz	Carb	Qtz mus	Chl.		K-Feid	Biotite	Nusc Vrrhc			NOTES
192		72	20 9	98		61691	.100	. 380		6		18		12	15						tr		-	192.4 - 192.6 - garnet-diopside skarn band. 193.1 - 194.2 - series of aplitic and quartz veins and
1947		[]	.9	97		61692	.040	.560		3		16	2	1	22	12	3				tr	r.		dikelets - hornfels has been altered to green sericite and quartz adjacent to veins - MoS2 disseminated and adjacent to veins @ 70 ⁰
198-		1	.0	100		61603	-005	.025		 9		4		1	31	7					tr	:		(younger) and 35° <u>193.7</u> - quartz-MoS2 vein @ 35° , 1 cm wide, 10%
2001]	.8	100		61694	.014	.009		 4		10		3	35	4					tı	-		MoS2 in and adjacent vein <u>194.0 - 194.1</u> - quartz-MoS2 vein @35 ⁰ , 3 cm wide 10-125 MoS2
202-]	9	97		61605	.012	.034		3	4	12			19	2					tı	e		<pre>whee, 10-12% MoS2 194.6 - band of sericitic and chloritic alteration adjacent to quartz-MoS2 vein @ 40⁰ - ₹1% MoS2</pre>
204-			13	99		61696	.009	.074		 1	2	8		1	16	2				_		r		194.7 - 194.9 - quartz-MoS2 vein @ 15 ⁰ , 2 cm wide, 10 - 15 MoS2 - along selvage
206-			13	94		61697	.010	.026		 1	4	5	1	5	28	9	2	 			tı	r		196.1 - 196.3 - green sericitic and chloritic alteration or/ limy band 196.7 - 196.8 - limy band
208-			17	100		61698	.005	.043				4	2	1	15	5	 				.:	3		196.8 - quartz-MoS2 @ 55 ⁰ , 1 cm wide, 1-2% MoS2 197.4 - 198.0 - green skarn band+/or alteration zone
2101			20	102		61699	.004	.056		 3		3		1	26		12					r		around quartz vein <u>197.7</u> - quartz-MoS2 vein @ 50 ⁰ , 3 cm wide, 3%
212		1	5	100		61700	•006	.024		 1	2	5		1	25	1					tı	r		MOSZ 198.8 - 199.8 - hornfels is somewhat greyish -sericite 200.1 - 200.6 - zone of partial sericitization and
214			4	100		61701	.004	.010		 5		1		2	24	4		<u> </u>				r 		chloritization 201.8 - 202.0 - skarn band? - could be alteration zone
2161			9	99		61702	.010	.059		2		9		2	34	7					. :	1		(chloritic & sericitic) - quartz-MoS2 veins @ 60° 202 0 mente MoS2 vein @ 50° 2 cm wide \$ 18 MoS2
218		72	20	100		61703	.007	.002		 	4	1		7	19	2					tı	r		203.9 - quartz-MoS2 Vein (50°, 2 cm wide, ~ 1% MOS2along selvage $204.4 - quartz-MoS2 (75° 2 cm wide trace MoS2$
220-		>	20	95		61704	.020	- 088		 3		10		3	22	4	5				tı	r		204.5 - quartz-MoS2 vein @ 40°, 1 cm wide, 1% MoS2 older than vein above
2222		1		100		61705	.012	.056		 4		8		3	46							r		204.6 - 204.9 - irregular green sericitic and chloritic alteration
																								200.0 - Green Limy Dand, 6 Ch wide

TIDEWATER PROPERTY

TW 80-4 DDH SHEET 16 OF 20

7 %	GR	APHI	с L0	G	ບ່	, PTS	A	SS A	ΥD	ΑΤΑ				٧	EIN	V S		%	MI	NER	ALS	3
DEPTI	LI TH.	BEDDING	FAULTS NUMBER	PIECES	% RE	ASSAT	SAMPLE NO AND INTERVAL	2 EST. Mos ₂	% MoS₂		Qtz	Q iz Py	Q12 MoS _t	Py	MoSz	Carb		K-Feld	Biotite	Musc		NOTES
	-				6																	<pre>206.8 - 207.1 - diopside-garnet skarn 208.5 - banded quartz-MoS2 vein @ 60°, 3 cm wide; 5 - 7% MoS2 208.9 - 209.5 - hornfels bleached, sericitized, chlorite along fractures 211.5 - quartz-MoS2 vein @ 75°, 3 cm wide - trace MoS2 - skarny zone 212.8 - 3 mm wide MoS2 seam @ 40° 214.0 - quartz vein @ 20°, trace pyrite 214.1 - 214.5 - green sericitic and chloritic alteration zone associated with quartz and quartz-MoS2 veins - some garnet-diopside skarn</pre>
																						<pre>214.3 - quartz-MoS2 veins @ 20° and 55° (banded, younger) 217.0 - 217.1 - green skarn band (alteration) 218.5 - 218.8 - quartz-MoS2 veins @ 10°, 2 cm wide, 5% MoS2 along selvages 219.0 - 220.3 - green sericitized zone 219.0 & 219.7 - quartz veins @ 60°, trace MoS2 220.9 - 221.4 - banded quartz - MoS2 vein @ 5°, 3 cm wide - 5% MoS2 along selvages.</pre>
			_																			

TIDEWATER PROPERTY

TW 80-4 DDH_____ SHEET _<u>17</u> OF __20

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Ξŵ	G			E E	2	Α	SSA	Y D			1				[r	<u> </u>	%	MI		ALS	
DEP' METF	LITH. BEDDIN	FAULT	AUM DE PIECE	% Я	ASSA	SAMPLE NO. AND INTERVAL	EST. Mos ₂	% MoS2	91	z Qtz Py	Qtz MoSg	Py	MoSz	Carb	Qtz mus	Chl C		K-Feld	Biotite	Musc Yrrh		NOTES
222		~	20	10	9	61706	-040	.252			15		6	58	2					.1		222.2 - 222.4 - banded quartz-MoS2 vein @ 10 ⁰ , 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 - 0.70° sl = >4 cm wide
226		>	20	10		61708	.020	.026	2	2	11		6	56						.1		up to 5% MoS2 225.2 - 225.3 - andesite dike - contacts @ 50 ⁰
228 230		7	20	94		61709	.008	.010	1		9			11	2			\prod		. 2		225.3 - 230.6 - Metasedimentary Rocks 225.3 - 230.6 - Purple and green (sericitized)
232			20	99		61710	.015	.030	3		14			19	2					tr		hornfels - spotted and banded <u>226.3 - 228.4</u> - green and pale green hornfels - strongly sericitized - some skarn sections
234		>	20	10		61711	.010	.014	3	1	6		4	30	1					tr		$\frac{227.3 - 227.5}{228.0} - \text{quartz -MoS2 vein @ 70°,4 cm wide,}$
		7	20	97		61712	.005	.017	7		2		4	35	1					tr		pyrite, ≤1% MoS2 228.1 - broken core & quartz-MoS2 vein -
230			12	99		61713	.025	.024	9		10		14	39	2					tr		<u>228.4 - 230.6</u> - Purple and minor green hornfels 230.2 - Quartz-MoS2 vein @ 65°, 3 cm wide,
240		7	20	98		61714	.020	.041	6	2	8		7	30	3					tr		trace MoS2 230.6 - 230.9 - aplite dike -<1% disseminated MoS2,
		7	20	99		61715	.008	.061	12		4		4	11		3				tr		garnets - contacts @ 35 ⁰ - cuts quartz-MoS2 veins
242		7	20	10		61716	.007	.002	15		8	1		5						tr		<u>230.9 - 234.7 - Metasedimentary Rocks</u> <u>230.9 - 232.6 - Purple and green hornfels</u> <u>231.3 - 231.6 - intense quartz banding?</u>
244																						possibly a large qtz vein trace disseminated MoS2 and garnet
																						<u>232.6 - 234.7</u> - green and grey sericitized hornfels - some skarn sections
																						234.5 - 234.7 - Broken and sheared core e 20 234.7 - 235.0 - andesite dike, fine grained, green numerous carbonate fractures - contacts @ 20 ⁰
					1																	235.0 - 242.6 - Metasedimentary rocks 235.0 - 242.6 - silicified and sericitized
					1																	hornfels - grey and green <u>237.3</u> - quartz-MoS2 vein @ 20 ⁰ , 2 cm wide, <u>418 MoS2</u>

TIDEWATER PROPERTY

ТW 80-4 SHEET <u>18</u> OF <u>20</u>

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DEPTI METRE	BEDDING	FAULTS	NUM DER OF FIEGES	% R E	ASSAY	SAMPLE NO AND INTERVAL	0. EST. Mos <u>2</u>	% MoSz		Qtz	Q t z Py	Qtz MoSz	Ру	MoSz	Carb		 K-Feld	Biotite Musc				NOTES
																						237.6 - 237.9 - intense silicification of hornfels 239.0 - banded quartz-MoS2 vein @ 700, 3 cm wide, pyrite, pyrrhotite, sphalerite, hematite (after magnetite) - 5% MoS2 239.7 - 239.9 - sheared and brecciated zone - bro- ken core. 240.3 - 241.2 - strongly altered - broken and sheared core @ 5 - 10° - graphite along fractures - trace MoS2 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 horn- blende - 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 MoS2.

12.10

_																						e L	10	
	GRAP	HIC I	LOG		12 ز 1	A	SSA	ΥD	ΑΤΑ				VI	EIN	IS				%	MIN	ER	ZLL	\$ 1	
DEPTH METRE	LI TH. BEDOING	FAULTS	NUMBER		ASSAY INTERCEN	SAMPLE NO AND INTERVAL	EST. Mosz	% Mo52		Q1z	Q I Z Py	Qtz MoSz	Ру	MoSz	Carb	Musd + QEz	: Ch	-	K-Feld	Biotite	Pyrite Surve	Arro	loS2 d	NOTES
244 246		>	20	9	8	61717	.018	.055		5		7		8		9					. 2t	er		244.6 - 274.3 - Tidewater Stock - contact @ 80 ⁰ 244.6 - 246.2 - variously textured, somewhat
240		>	• 20		0	61718	.017	.003		17	5	12	2	6	7						.3	-	r	porphyritic quartz monzonite; plagloclase is sericitized
240		>	20	р Го	0	61719	.010	.006		16	4	9	2		15	4					tr	ŀ	r	acts @ 40° 245.6 - 246.0 - broken core, quartz vein -
250				710	0	61720	.007	.017		1	1	2		4		10					.5	F	r	trace MoS2 - slightly pegmatitic 246.2 - 265.6 - equigranular quartz monzonite
			9	91 0	0	61721	.017	.043		1		3	3	12		3					.5	ł	r	feldspar - 65-70% quartz 25 - 30%, biotite 2-3% some sheared and silicified sections 247 2 - 247 3 - shear zone @ 15° chlorite.
2.54			10	ho	0	61722	.009	.027		2		4	5	10		2					.5	ł	r	talc 247.5 - 248.2 - silicified zone - quartz vein
256		,	- 20	9	5	61723	.020	.016					1	18		11					.5		r	stockwork - $\sqrt{1}$ % MoS2, trace K-spar 249.1 - quartz-MoS2-Pyrite bands in quartz
2.0			18	9 9	9	61724	.020	.010					1	17		1					.5	ł	tr	monzonite (75^{-}) <u>249.1 - 250.7</u> - silicified zone <u>252.7 - 253.2</u> - aplite phase - premineral.
2601		>	20	9	6	61725	.005	.002		5				6		3	1				.5	E	tr	irregular contacts - fine grained, 3% medium grained pyrite.
2621 264		7	20	9	19	61726	. 008	.036	5	8		2		5	1						۶.	-	.1	$\frac{255.1 - 255.2}{2 \text{ cm wide, } 1\% \text{ MoS2} - 2 \text{ quartz-MoS2 veins @ } 50^{\circ},$ $2 \text{ cm wide, } 1\% \text{ MoS2} - \text{ green muscovite selvages.}$
266		>	- 20	0 9	3	61727	.020	.01	2	10		3	20		2	1					.5		tr	256.1 - 257.0 - zone of sericite and MoS2 veining - greenish cast - some fine-grained pink K-spar
2001		7	20	0 9	95	61728	.013	.007		11				13	3	1							tr	$261.9 - 262.1$ - broken and sheared core @ 45° 264.8 - 265.5 - breccia-quartz, feldspar,
2681		-	, 20	0 9	95	61729	.002	.00				1	1	2									tr	aplitic and pegmatitic fragments in matrix of fine grained quartz - MoS2 and graphite along
2701			1	8 9	96	61730	.002	2 .00				1		2	10								tr	Tractures in matrix 265.6 - 269.3 - Fine grained phase - ≤2% mafic minerals variously silicified and sericitized.
×/2-		,	20		98	61731	.008	.01				4		3	8								tr	<u>267.0 - 267.3</u> - quartz feldspar porphyry - later than quartz monzonite - contacts @ 35° - no
274 ⁻ 276	i			T	1																			MoS2

TIDEWATER PROPERTY

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T the	GRA	PHIC	LOG	U	PTS	А	S S A	Y D	ΑΤΑ				V	EIN	N S	 	%	MIN	IER	AL:	s	
D E P T I ME T R L	LITH.	BEDOING FAULTS	PLECES	% R E	ASSA	SAMPLE NO AND INTERVAL	EST. MoSg	% MoSz		 Qtz	Q tz Py	Q1z MoSz	Py	MoSz	Carb		K-Feld	Biotite				NOTES
	T																					<u>267.9</u> - parallel convoluted quartz bands <u>268.3 - 268.5</u> - broken core, barren quartz
																						vein <u>269.1</u> - pegmatite vein @ 15 ⁰ , 5 cm wide, chilled margins
																					2	269.3 - 274.3 - relatively equigranular quartz monzonite as at 246.2 m
]																	$\frac{271.8 - 272.1}{274.3}$ - mafics have been sericitized
			-																			
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Form # DI 2

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DIAMOND	DRILL	RECORD

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PROPERTY _	TIDEWATER	Project Number	r <u>971</u>			
Hole No.	TW 80-5	Co-ordinates		Bearing at Collar _	120 ⁰	
				Dip at Collar _	-60 ⁰	
		Collar Elevation	585 m	Commenced Drilling _	May 24, 1980	
		Total Depth	148.1 m	Completed Drilling _	May 30, 1980	<u>.</u>
				Logged By:	P. McCarter	
Core Size	NQ	Coring Method		Drilling Contractor	Connors Drilling	

_	Sui	vey Summa	ry	<u>Pertiner</u>	t Assa	y Data		Per	tinent G	eology
Depth	Dip	Bearing	Method	Interval	5	% MoS ₂		Inter	val	Rock Type
 				3 - 64 64 - 90 90 - 106 106 - 128 128 - 140 140 - 148.1	(61 m) (26 m) (22 m) (12 m) (8 m)	0.045 0.008 0.034 0.036 0.007 0.017 0.003 0.003	0 - 3.1 - 47.1 - 49.1 - 52.1 -	3.1 m 47.1 m 49.1 m 52.1 m 112.5 m	Overburd Tidewate Purple a metasedi argillit Tidwater Purple & sediment and skar dikes. Weakly h rocks.	den er Stock - Quartz monzonite and Grey-green hornfelsed imentary rocks (siltstone, te, Greywacke) r Stock - Quartz monzonite G grey green hornfelsed meta- tary rocks. Minor tuffaceous on bands. Local andesite mornfelsed metasedimentary

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TIDEWATER PROPERTY

DDH TW 80-5 SHEET 1 OF 8

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1 1 1 1	METRI LITH.	BEDOING	FAULTS NUMBER	% RE	ASSAT	SAMPLE NO. AND INTERVAL	EST. Mas ₂	% MoSz			Qtz	Qtz Py	Qtz MoSz	Py	MoSz	Carb	Mus (se:	с 11)		K-Feid	Biofite	Muac	Pyrite	1052 Dissend	NOTES
	2							·															Ì		3.1 - 3.4 - Xenolith of hornfels 3.4 - 47.1 - Tidewater stock
-	4					61732		0.01	\$			ļ!		$\lfloor \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$											Varbusly textured quartz monzonite, equigranular and porphyritic sections - feldspar, 65 - 75%, quartz 20 - 30%, biotite 1 - 10%
	5		720	96		61733	.025	0.03	<u> </u>		4		16	4	7	8	4					ť	tr t	*	$\frac{6.0 - 7.0}{\text{phenocrysts}} = \frac{1000}{1000} = \frac{1000}{1000} = \frac{1000}{1000}$
	3 -		>20	100		61734	.005	0.03	<u>}</u>		10	1	4	2	4	2	7					ť	1	-	$\frac{7.0 - 12.0}{\text{zonite}} - \text{variously silicified quartz mon-}$
-1	,		7 20	100		61735	.030	0.20	<u> </u>		20		8		13	6	12	_				I			<u>9.6 - 9.7 quartz-MoS2 pyrite vein @ 30^o, 8%</u> MoS2 on vein selvages, 3 - 5% MoS2 disseminated
-1:	با		> 20	102		61736	.020	0.07			1		9		11	19	8	<u> </u>				-	26		in adjacent quartz monzonite <u>12.0 - 13.1</u> - porphyritic (glomeroporphyritic)
1			8	100		61737	.020	0.02			12		14	1	5	3	6	<u> </u>					3E		quartz monzonite - feldspar phenocrysts - 40%, up to 5 cm across. 13.1 - 14.0 - relatively equiprepular quarte
16	,		7 20	100		61738	.016	0.06	 		4]	15		1	5							26	\square	monzonite. 14.0 - 14.8 - porphyritic quartz monzonite -
-18			>20	95		61739	.015	0.040			3	i	13	8	2				 			•	1 E	~	quartz and feldspar phenocrysts 14.8 - 23.6 - relatively equigranular medium -
- 2)	-	20	108		61740	.013	0.02			26	2	9	5	7		2					.3	3 6		grained quartz monzonite <u>17.6 - 19.2 - broken core - pyrite ± MoS2 along</u> fractures parallel to core - some pink colouration
2	2		20	100		61741	. 015	0.02	;		6	·	4	2	11		12				_		3E		of feldspars. <u>23.0 - 23.2</u> - Intersection of pyrite-muscovite
2	1	:	20	92		61742 .	.008	0.01			5		9			 	9					6	-		veins causing intense sericitization, trace MoS2
21	5.		16	105		61743	, 008	0.02			8		9			3						ŀ	/-	·	$\frac{23.3 - 23.5}{23.6 - 24.2} \rightarrow \text{porphyritic quartz monzonite,}$ biotite up to 15%
21	3.		>20	100	ŀ	61744 .	. 020	0.04	<u>,</u>	\square	6		9	-	14							ť	1-	Ш	$\frac{24.2 - 47.1}{monzonite - 10%}$ biotite
3(,	;	20	100	ŀ	61745 .	.013	0.04	,	\square	3		7		6	3					_	4	t		<u>26.8 - 27.3</u> - broken core along carbonate fractures @ 10 ⁰
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TW 80-5 DDH______ SHEET _2_OF_8____

_ 0	GRA	PHIC	LOG	J	PTS	A	S'S A	Y D	ΑΤΑ				V	ËIN	IS			%	MI	NER	₹ A L	s	
0 E P T	LITH.	FAULTS	RUM BER	% RE	ASSAY	SAMPLE NO AND INTERVAL	EST. Mos _e	% MoSz		Qtz	Q tz Py	Qtz MoSz	Py	MoSz	Carb			K-Feld	Biofite	Musc			NOTES
														:									27.7 - 27.8 - quartz-MoS2-muscovite vein at 55° - contacts vague, 1% MoS2 28.3 - quartz-MoS2 vein @ 50° 2 cm wide,
				-												 							trace MoS2, sericite alteration <u>29.3</u> - quartz-MoS2 vein as at 28.3
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DEPT	LI TH.		NUMBER	% RE	ASSAY INTERCEI	SAMPLE NO AND INTERVAL	EST. MoSz	% Ma\$z			Q † 2	Qtz Py	Qtz MoSz	Py	MoSz	Carb	Mus ±	c		K-Feld	Biotute	Musc Pyri He	MOSZ	Pvrrho		NOTES
30 - 32-		,	20	105	,	61746	.013	0.077			5		8		4	9	- <u>y</u> .c.a					t	76	-1		<u>31.5 - 31.6</u> - quartz vein @ 35 ⁰ , sericitic alter- ation, trace MoS2
- 34			1	99		61747	.017	0.014			5		12		3	8	3		_			ť	- 6	-]	<u>31.8 - 32.8 - Xenolith of hornfels, fine grained,</u> some feldspathic fragments - contacts approximatel
36-				95		61748	.010	0.012			4	2	10			3					ſ	ť	¥ -	- .	3	75° (irregular) - quartz-MoS2 veins @ 35° and 75° - extend from stock 32.8 = 33.8 = equigranular guartz monzonite
		7	20	98		61749	.007	0.018	Х. П. С.		3		3	1	4	22	13					e	r t	, t		33.8 - 34.2 - xenolith(?) of hornfels, contact @ 65
-40-		>	20	100		61750	. 030	0.040			5		12	1	7	5	3						2 -	.1	1	<u>34.2 - 35.1</u> - equigranular quartz monzonite, biotite-rich patches, pegmatites
- 42 -		7	20	96		61751	.006	0.008			4		3	1	4	6						-1) -	-		<u>35.1 - 37.5</u> - Xenolith(?) of hornfels 1st contact @ 80°, 2nd contact @ 15° 37.5 - 42.7 - equigranular guartz monzonite
44		7	20	102		61752	.016	0.009				1	2	1	12	6	4					ť	r t	×		$\frac{41.8}{42.7}$ - hornfels inclusion $\frac{42.7}{42.7}$ - 43.4 - porphyritic andesite dike-chilled
46-		7	20	100		61753	.020	0.028			4		16		1	8							2 E	7		margins, contacts (250°) <u>43.4 - 47.1</u> - in equigranular quartz monzonite <u>45.3 - 45.6 - fine grained aplitic zone</u>
- 48-		7	20	96		61754	.020	0.02:			3	1	9		12	5	7					6	/ (/	47.1 -	49.1 - Purple and grey hornfels-massive and banded sections - contact is in broken core
- 50		;	20	96		61755	.012	0.026			2		10		4	12	6					t,	t	, t	49.1 -	52.1 - Quartz-feldspar-biotite porphyry - contacts @ 15 ⁰ - quartz-MoS2 - equigranular in
52		/	20	100		61756	. 015	0.039			15	1	12		4	3	2						2 t		52.1 -	quartz and quartz \pm MoS2 veins 63.5 - Purple and grey hornfels-massive and
- 54-			15	98		61757	.025	0.038	8				18		6	8	16							t/	,	banded <u>52.1</u> - quartz-MoS2 @ 15 ⁰ , 1 cm wide, 10 ⁰ - 12%
- 56 -		>	20	98		61758	.024	0.080			2		11		11	10	5				_		_		55.3 -	MoS2 on selvage 52.4 - pegmatite vein + MoS2 @ 80°, 4 cm wide 59.6 - porphyritic andesite \rightarrow baselt dike - 20%
- 58 -		7	20	99																						plagioclase phenocrysts - contacts @ 35° <u>55.9 - 56.2</u> - broken and sheared core @ 15°
60-			13	100																						<u>56.6 - 56.4</u> - broken and sheared core @ 15 ⁰

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TIDEWATER PROPERTY

DDH _____ TW 80-5 Sheet _4__ OF _8__

_	GRAP	IIC LO	G	5	Ts	Α	SSA	Y D	ATA	1				EIN	IS			%	MI	·····································	RΔI	I S	
DEPTH Metre	L I TH. BEDDING	FAULTS NUMBER	FIECES	% R E	ASSAY	SAMPLE NO. AND INTERVAL	EST. MoS2	% Mo 52	Mo ppm	Qtz	Qtz Py	Q1z MoSz	Py	Mosz	Carb	Qtz + Mus/		K-Feld	Biotite	yrrhot.			NOTES
60 - 62-		20		.02		61759	. 050	0.147		4	1	23		5	16	3				tr	r		60.4 - 60.8 - 3 irregular quartz-MoS2-pyrite,-sericite veins 15% MoS2
- 64-		20		93		61760	.080	0.142				13		20	16	2				tr			61.3 - 61.7 - pegmatite and aplite band @ 65° 61.8 - 61.9 - pegmatite and aplite band @ 65° 62.4 - quartz-MoS2 vein @ 35° . 3 cm wide, \lesssim 1% MoS2
- 66-		20	,	99		61761	.010	0.026		1		6		2	50	8				.2	2		62.9 - banded quartz MoS2 @ 20° , up to 5% MoS2 63.2 - 63.5 - broken and sheared core @ 70° and 5°
- 68-		20		98		61762	.009	0.009	, 	 	-	9			30	5	 			.5	\$ 		good MoS2 along shears 63.5 - 64.0 - andesite dike - contacts @ 60 ⁰ 64.0 - 85.4 - Purple and grev) green hornfels, spotted
- 70-	1	20	,	99		61763	.006	0.00	5	 1	 	5			6	5				1		 	and banded 64.0 - quartz-MoS2 vein @ 60 ⁰ , trace MoS2
- 72-		20	2	95		61764	- 007	0.00	5 	 		5		3	25	4				1	ļ		$\frac{64.2 - 65.2}{65.8 - 65.9}$ - broken and sheared core @ 15° $\frac{65.8 - 65.9}{1.0}$ - quartz MoS2 @ 15°, 2 cm wide, $\frac{3 - 5}{1.0}$ MoS2
- 74-		20) <u>1</u>	.00		61765	.005	0.004				6			22	1	 			1			$66.4 - 68.2$ - numerous sections of sheared and broken core @ 15°
761		20	>	99		61766	.005	0.00	i	 		5			10		 		_	.8			$70.5 - 71.3$ - broken and sheared core @ 25° 71.3 - 71.4 - brecciated and altered hornfels,
78		20) 	98		61767	. 010	0.009		 1		3		5	4	1				1			$\frac{71.7}{75.4}$ - 81.0 - weakly hornfelsed, some sheared
80-		20		99		61768	.004	0.00	2			4			30	1		$\left \right $	+	1.	Þ		sections @ 28° <u>77.3 - 77.9</u> - broken and sheared core @ 20° - some
82		20		.10		61769	.002	0.00	₽	 3	1	3	1		30	6			+	1.	-		82.0 - 82.1 - green limy band, diopside(?), chlorite, sericite, carb.
84-				95		61770	.005	0.01	L	 7	2	6			17	4			-	2			83.1 - green alteration band adjacent to quartz pyrrhotite veins @ 60°
86-		20		10	ŀ	61/71	. 006	0.00	10	3		5		2	30	1	 			2			84.9 - pyrnotite-chlorite band @ 550 85.4 - 86.2 - andesite+basalt dike, plagioclase phenocrysts, contacts 0 350
88		20) 1,	08		61773	.001	.005	30	, v		5			15	4				1			87.3 - 87.4 - skarn(?) or green alteration band. 88.0 - 88.7 - garnet-diopside skarn
90-		F				~~~~~			00	*		*			19	3							88./ - 97.5 - generally weakly hornfelsed argillite with ≤10% purple hornfels.

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TIDEWATER PROPERTY

DDH ______ TW 80-5 SHEET 5___OF _8__

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E S I G	so ec	i c H u	ן ר נו וי		<u>55 A</u>	Y D		A		1	,	<u></u>	EIP	15			%	MI	INE	Bł	<u>to s</u>	
DEP METI L(TH.	FAULT		АSS/	SAMPLE N	O EST. Mos _z	% Mo5 ₂	Mo Ppm	o pm	Q † 2	Q12 Py	Qtz MoSz	Ру	MoSz	Carb	Qt2 + Musc		K-Feid	Biotite	Musc	VEFN	Schee	NOTES
90 92	20) 10	05	61774	.012	.032	107	107	1		4		3	18	9					7		91.0 - 91.1 - Quartz-MoS2 with alteration zone, @ 25° 91.5 - Quartz vein @ 45° 2 cm wide, trace MoS2, 8 - 10%
-94-	20		01	61775	.002	.009	31	31	1		3			20	2					8		MoS2 in bands 92.9 - 2 green limy bands (sericite, chlorite, + diop-
-96	20	<u>)</u>	01	61776	.030	.032	107	107			13		3	14						ł	-r	94.8 - 94.9 - garnet-diopside skarn band, trace scheelite 95.5 and 95.9 - banded quartz - MoS2 veins @ 10° 2 cm
-98	20		00	61777	.030	.138	246	246	2		6		2	25	1					3		wide, 10% MoS2 - hornfels strongly sericitized broken core.
100	20 ਦ) 5(1	0	61778		.005	17	17	ļ	ļ			:					\rightarrow				96.8 - 97.3 - broken and sheared core @ 15° 97.4 - 97.5 - aplite patch, disseminated MoS2, contacts @ - bounded by quartz-MoS2 vein along core -
102	ore	0 St									 											along dike contact 97.5 - 106.3 - andesite dike, fine grained, slightly
104	20	9.9	4	61779	.005	.026	88	88										_			_	porphyritic biotite and plagioclase phenocrysts - contacts @<5 ⁰ (dike runs along core) - numerous hornfels & guartz-MoS2 vein inclusions
.106	20	1	14	61780	.010	.047	157	157				 							-	1	_	99.0 - 102.0 - core lost 102.7 - 102.9 - hornfels patch with quartz-MoS2
108	20) 1(00	61781	.001	.009	30	30	2		2			10	4				!	!		veins, $1 - 2$ % MoS2 (102.2 and 102.4 - quartz-MoS2 veins as inclusions (in dike 1% MoS2
110	20	9	8	61782	.002	.003	10	10	2		3			30	4				×	3		$(\frac{102.6 - 102.7}{103.3 - 103.4} - hornfels patch with quartz-MoS2$
112	20	9	7			 			_	ļ				40					+			veins, 1% MoS2 105.1 - 105.6 - quartz-MoS2 along core, 3 cm wide
114	20) 9' 	7	61783	.003	- 004	12	12	4		3			40				_	t.	x 	-	5% MOS2 106.3 - 109.9 - Purple and green hornfels, banded, spotted variable
116	20) 9: 	3	61784	?	.008				BR	ОК	EN	С	OR	Ε.				-	-		106.9 - 107.1 - green alteration zone - sericite, chlorite + diopside
119	20	9	5	61785	.001	.002	7	7	1		1			20			$\left \cdot \right $	_	-			<u>108.3 - 108.4</u> - green alteration zone - sericite, chlorite <u>+</u> diopside 109.1 - green alteration zone
120	20	9	7	61786	.003	.006	20	20	2		2			40					╀		+	109.9 - 110.1 - Porphyritic basalt dike - 20% plagioclase phenocrysts - contacts @ 30 ⁰
119 120	20) 9)) 9	7	61785 61786	.001	.002 .006	7 20	7 20	1 2 -		1 2			20 40						2		<u>108.3 - 108.4</u> - green alteration chlorite <u>+</u> diopside <u>109.1 - green alteration zone</u> 109.9 - 110.1 - Porphyritic basalt di phenocrysts - contacts @ 30 ⁰

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TIDEWATER PROPERTY

DDH TW 80-5 Sheet 6 of 8

1 - 8	GRA	PHIC	LOG	 5	T5	А	SSA	ΥD	ATA				V	EIN	N S		%	MI	NER	AL	s	
DEPT METRE	LITH.	BEDOING		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A S S A Y INTERCE	SAMPLE NO AND INTERVAL	EST. Mos ₂	% Mos ₂		a t z	Q 1 z Py	Q1z MoSz	Py	MoSz	Carb		K-Feid	Biotite				NOTES
																						 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 - brecclated 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 - guartz-MoS2 veins @ 75°, 1 cm wide, strongly sericitized hornfels adjacent to vein.

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TW 80-5 Doh_____ Sheet 7__ of 8_____

– %	GRA	PHIC	LOG	, U	PTS	A	S S A	Y D	ΑΤΑ				VE	ÉIN	IS			%	M	NĖ	ъ×	LS	
DEPTI	LITH.	BEDDING FAULTS		% RE	ASSAY	SAMPLE NO. AND INTERVAL	EST. Nos _z	% MoSz	Mo ppm	Q f Z	Qtz Py	Q12 MoSz	Ру	MoSz	Carb	2tz +		K-Feld	Biotite	Musc	Scheel		NOTES
120 122			20	100	·	61787	.004	.027	89	1		3			40				_	į	/		121.7) 121.5) Green sericitic alteration
			20	100		61788	.001	. 003	10	4		2			15	3				H	7		<pre>122.8 - 148.1 - Variably hornfelsed siltstone and grey- wacke.</pre>
124			18	102		61789	.006	. 009	30	3		6			3	4				ť			$\frac{124.1}{124.1} - \frac{124.1}{124.1} - \frac{124.1}{124.1}$
126			13	94		61790	- 001	.002	8	4		1			6	8				t	*		<u>124.6 - 124.9</u> - Green Timy bands, sericite, chlorite, diopside <u>126.2 - 126.4</u> - Green sericitic alteration
120			10	03		61791	.010	.016	54	2		24			5					ł	'v t		127.8 - 128.0 - Green sericitic alteration 128.6 - 128.8 - Stockwork of quartz-MoS2 veins -
1 32			18	100		61792	.010	.018	59	 1	1	3			14	5				4	1		<u>128.8 - 129.1</u> - diopside \pm garent skarn, trace scheelite
134			18	99		61793	.007	.014	47	5		5			9	1					3		<u>129.0 - 129.6</u> - series of quartz-MoS2 veins @ 20° - 30° , ≤ 1 cm wide, ≤ 1 % MoS2 - veins contain K -
			20	97	7	61794	008	.005	17	 4		8			15					H	1		spar along selvages in skarn. <u>131.1</u> - quartz-MoS2 vein @ 40 ⁰ , 1 cm wide, 10% MoS2 - corigiting alteration
136			10	98	3	61795	015	.009	30	2	1	10	·	2	6					ŧ	7		131.2 - quartz-MoS2 vein @ 45° , 1 cm wide, 8%
138			20	99	,	61796	.020	. 040	134	3		9	l	1	30	2				ť	x		<u>132.7</u> - quartz-MoS2 vein @ 75 ⁰ , 1 cm wide 2-4% MoS2
140			20	99)	61797	.005	.003	11	2		з			20	2				ť	/		<u>133.7</u> - irregular quartz vein $@65^{\circ}$, green ser- icitic and chloritic alteration halo.
			20	100		61798	-	.002	6	2					30	2				ť	2		<u>135.3</u> - quartz-pyrite-arsenopyrite vein @ 45°, 5 cm wide - green sericitic alteration in adjacent hornfels.
			20	100)	61799	-	. 00 3	11	6	1				20	1				ł	2		<u>135.6 - 136.8 - irregular quartz veins and bands</u> in hornfels - pyrite, pyrrhotite.
140			20	1.05	5	61800	004	.002	6	2		3		2	25	2							$\frac{136.4 - 136.6}{137.0 - 137.5} - as in 135.6 to 136.8$ 138.3 - 138.6 - 20-25% guartz content in hornfels
148			20				002			2		2	1		20								138.5 - quartz-MoS2-pyrite veins @ 75 ⁰ , 2 cm wide, 5% MoS2
																							<u>138.7 - 139.2</u> - strongly sericitized hornfels

TIDEWATER PROPERTY

DDH _TW 80-5 Sheet <u>8</u>_ of <u>8</u>_

5	GRAF	HIC L	-06	U U	Te la	2	ASS	5 A Y	C D A	ΑΤΑ				V	EIN	I S		%	MIN	ER	ALS	
DEPTI	LITH. Redoins	FAULTS		% RE	ASSAY	SAMPLE AND INTERV	NO E: AL MO	5T. •Sz	4% MoS₂		QTZ	Q I Z Py	Qtz MoSz	Py	MoSz	Carb		 K - Feid	Biofite Musc			NOTES
. .																						<u>139.3 - 139.5</u> - sericitic and potassic (K spar) alteration - quartz-MoS2 @ 75° <u>139.9 - 140.8</u> - broken and sheared core @ 5° <u>148.1 - END OF HOLE</u>
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DIAMOND DRILL RECORD

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PROPERTY <u>TIDEWATER</u>	Project Numbe	r <u>971</u>		
Hole No. TW80-6	Co-ordinates		Bearing at Collar	3000
			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 <u>NQ</u>	Coring Method		Drilling ContractorConno	rs Drilling

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	<u>Su</u> :	rvey Summa:	ry	Pertinent Ass	ay Data		Pertiner	nt Geology
Depth	Dip	Bearing	Method	Interval	[%] Mo\$2	1 1 1	Interval	Rock Type
				2.4-32.0 (30 m) 32.0-171.3 (140 m	0.057) 0.007	0-2.4 m 2.4-13.9 13.9-39.5 39.5-41.0 41.0-50.3 50.3-103.1 103.1-137.1 137.1-168.0 168.0-171.3		Overburden Tidewater Stock - quartz monzoni Purple and grey-green hornfelsed metasedimentary rocks (Silt- stone, argillite, greywacke). Minor tuff and skarn. Local andesite dikes. Aplite Porphyritic Basalt dike Purple and grey-green hornfels. Variable intensity of horn- felsing Unhornfelsed metasedimentary roc Purple and grey-green hornfels. Unhornfelsed metasedimentary roc

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TIDEWATER PROPERTY

DDH TW80-6 Sheet <u>1</u> of <u>11</u>

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DEPT METRT	LITH. BEDDING	FAULT	RUM ET OF F) ECE3	% RE	ASSA	SAMPLE NC AND INTERVAL	EST. Mos _z	‰ M≏Sz	Mo ppm	QTZ	Qtz Py	Q1Z MoSz	Ру	MoSz	Carb	mu ±q ±py		K-Feld	Biolite	D u u	Mô\$2 diss.	bo	NOTES
0												1								T			2.4-12.2 - Tidewater Stock-variably textured quartz monzo- nite
2			20	98		61801	.080	.040	348	3		15		6		24				.1	tr		- porphyritic, equigranular, pegmatitic phases <u>2.4-3.8</u> - quartz-feldspar-biotite porphyry <u>3.3-3.4</u> - quartz-Mass mains 5 M 2
6			20	94		61802	.040	.123	410	2		16	1	3		24				tr	tr		$\frac{2.5-5.4}{2.5}$ = quartz-MoS ₂ veins & MoS ₂ fractures @750 vein = 15-20% MoS ₂ 3.7-4.0 = quartz-MoS ₂ vein stockwork MoS ₂ in
			20	98		61803	.030	.039	131	7	1	15	3	6		10				tr	tr		vein & wall rock 3.8-4.7 - relatively equigranular quartz monzonite
10			11	95		61804	.040	.049	162	1		16	1	6		7				tr	tr		$\frac{4.7-5.0}{5.0-6.1}$ - pegmatitic phase $\frac{5.0-6.1}{6.1-6.9}$ - relatively equigranular quartz monzonite
12			14	95		61805	.020	.056	188	5		5	1	12		4			Ţ		tr		- phenocrysts-feldspar 20-25% quartz 10-15% bioti 5%
14			20	99		61806	.010	.013	43	2	2	7		2		4				tr	tr		<u>6.9-</u> – equigranular quartz monzonite-feldspar are sericitized
16		2	20	96		61807	.014	.054	180	3	1	11				10			1	1		. 8	MoS ₂ <u>12.2-13.2 - hornfelsed grewwacke-green pltoretion (conductor</u>
18		þ	20	99		61808	.025	.109	364	4	1	14		1	6	2						. 1	and chloritic) adjacent to first contact; contacts @50% 13.2-13.9 - Tidewater Stock - equigranular quartz monzonite
20			14	97		61809	.004	.026	88	2	2	4	3		1							. 3	3.9-171.3- metasedimentary rocks - siltstone, argillite, greywacke
22		2	20	100		61810	.010	.014	47	3		9		2	2	4						.1	<u>13.9-23.6</u> - purple hornfels-spotted and banded section <u>16.0-16.3</u> - quartz-MoS ₂ vein @10°, 1-2 cm wide, 2% MoS ₂ along selvage
2/			20	90		61811	.012	.068	228	8		7		5	12	4						.1	<u>$17.8-18.0$</u> - green chloritic and sericitic alter- ation band, some kspar
26			20	110		61812	.015	.046	152			7		3	20	10			T		t	r	<u>19.2</u> - irregular quartz band @20°, 1 cm wide - no sulphides
28			20]	105		61813	.030	.085	284	6	1	16		7	25	3						1	tion) 22.5-23.6 - broken core
30			20	98		61814	.007	.038	128	 4	2	5		3	20	8					t	r	<u>22.8-23.2</u> - sericitized hornfels <u>23.2-23.6</u> - quartz-feldspar porphyry dike-con-
						•																	Tacts (600 23.6-25.3 - green and purple hornfels

DDH __<u>TW80-6</u> Sheet <u>2</u>__of <u>11</u>__

	GR	APH	IC L	.0G	ن ن		2	A	SSA	Y D	ATA				v	FI	N S		 •/*	MI	NEE	6	
DEPTH Metre	LITH.	BEDOING	FAULTS	NUMBER OF FIECES	% RE	ASSAY		AMPLE NO. AND INTERVAL	EST. Mos ₂	*/6 Mo52		Qtz	Q t z Py	Qtz MoSz	Py	MoS2	Carb		K-Feld	Biotite	UR N		NOTES
																							23.6-24.2 - green sericitized hornfels 24.2-25.3 - broken core along carbonate fractures (400° 25.3-25.7 - feldspar-quartz porphyry dike- contacts (65° phenocrysts-feldspar (sericitized) -30% quartz -20% 25.7-25.8 - hybrid zone-hornfels and feldspar- quartz porphyry dike 25.8-27.1 - green (sericitized) & purple horn- fels 27.1-27.5 - feldspar-quartz porphyry dike as at 25.3-25.7 27.5-29.7 - Greyish-green (sericitized) and hornfels 28.7-29.1 - irregular aplite vein along core 2 - 4 cm wide 29.7-30.1 - porphyritic basalt dike - 15% plagioclase phenocrysts

TIDEWATER PROPERTY

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DEPT	LITH. BEDDING	FAULTS	PIEE % RE	ASSAY INTERCEI	SAMPLE NO AND INTERVAL	EST. Mosz	% MoSz	Mo ppm		Qtz	Q tz Py	Qtz MoSz	Ру	MoSz	Carb	q∔ mu ≭nv	,	K-Feid	Biorite	Rusc			NOTES
30 - 32-		>2(96		61815	.020	.032	108		6	1	12		4	30	7				tr			<u>30.1-32.3</u> - greenish grey and purple hornfels <u>30.5-30.6</u> - green limy band
- 34-		20) 10		161816	<u>.003</u>	1.008	{ 26 }	 	4		2		1	20		<u></u>			ftr	7		$\frac{32.3-33.4}{33.4-36.9}$ - porphyritic basalt dike-contact @550 $\frac{33.4-36.9}{34.6-35.0}$ - greenish-grey and purple hornfels
- 36-		20	98		61817	.010	6 003	$\frac{10}{10}$				5		5	20	1	Ķ_		_		<u>}</u>		alteration +kspar <u>36.9-39.5</u> - basalt porphyry dike-contacts @800
-38-		20																	1				<u>39.5-41.0</u> - aplite dike-1st contact @45°, 2nd contact @60° <u>39.6-39.7</u> - quartz-MoS ₂ vein @25°, 1%
-40-		20	96 96	T	61818	.007	.051	170		4		2		2	10	2	 	╞╌┤					MoS ₂ <u>40.1-40.3</u> - xenolith of hornfels-MoS ₂ along contact
42		20	99														 			-	_	╡	$\frac{41.0-42.5}{200} - \text{ porphyritic basalt dike-lst contact}$ $(60^{\circ}, 2^{\circ}\text{nd contact } (45^{\circ})$
- 44-		11	. 105	j														╞╌┼	+				2nd contact @10°, 40%-pyroxene phenocrysts <u>44.1-50.3</u> - Porphyritic basalt dike-1st contact
46		16	96														· · ·						(100, 2nd contact (450) 48.6-49.3 - xenolith of hornfels 50.3-50.9 - green and grey-green hornfels
- 501		11	100)																		50.9-57.4 ~ brecciated purple hornfels, green chloritic matrix 51.4-61.8 - nurple and growich error barafala
- 52-		20	98		61819	.006	.011	38		3		7			20					tr		_	varying intensity of hornfelsing-spotted and banded sections
54		19	100		61820	.010	.002	7		5	1	8		2	15	2			+	1			<u>53.6-54.1</u> - garnet diopside skarn-quarts veins have kspar? along selvages <u>5</u> 6.6- diopside-garnet skarn band
56-		20	95		61821	.001	-002	5		2	1	2		-	12	2		┢		2		-	56.7-61.8 - weakly hornfelsed 60.2-60.3 - green alteration and purple bornfels
58		20	98		61823	.002	.001	4		-		ر	+	د 5	20	2		 ┠╌╋	╋	.3	+		
60																							

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TIDEWATER PROPERTY

DDH <u>TW80-6</u> Sheet <u>4</u> of <u>11</u>

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DEPT+ Metre	L I TH. BEDDING	FAULTS NUMBER	FIECES	YO HE ASSAY	INTERCE	SAMPLE NO. AND INTERVAL	EST. MoS ₂	% MoS2	Mo ppm		Qtz	Q t z Py	Q†z MoSz	Py	MoSz	Carb	q+ mu tpy	D D		Feld	Biotite	Musc	2		NOTES
60 62		> 20	0 9	14	Π	61824	.002	.001	4		2		2	2	2	20	3].	2		<u>61.4-61.8</u> - purple hornfels <u>61.8-62.5</u> - porphyritic basalt dike, contacts
-64 -		> 20	010	00	Π	61825	.007	.020	67		1	1	3		3	30	2						1		@80° - phenocrysts-plagioclase 25%, amphibole-10% 62.5-76.9 - relatively weakly hornfelsed argillit.
66		>20) 9	5		61826	.004	.011	37		3		4			20	4						5		siltstone and greywacke. Patches of purple & grey- ish-green hornfels, especially adjacent to quartz
-68 -		>20	<u></u>	00		61827	.012	.002	7			1	5		7	3	4	3					5		veins $\frac{63.3-63.4}{10} - quartz-MoS_2 vein @200 2 cm$ wide $\sqrt{10}$ MeS_
-70 -		> 20		92		61828	.002	.002	8		2	4	3			5	1	5					8		wide, (1% MOS2, fate calcite vern along quartz vern <u>63.4-63.9</u> - purple and green (sericitized hornfels
-72		720	<u>_</u>	20		61829	.009	.002	8		7	2	8			7	2	2					5		wide, 2% MoS_2 $\frac{66.0-}{along selvage}$ - quartz-MoS ₂ vein $@55^{\circ}$ 1 cm
74		>20	<u>)</u> 9	5		61830	.002	.005	16		7		2			20		1					3		66.4 banded quartz-pyrrhotite vein @50°, 2 cm wide sphalerite 67.2 - banded quartz-pyrrhotite-
76 -		X 20	9	4		61831	.003	.004	13		 	_	3			8		5					1		MoS ₂ -chalcopyrite vein @60° <u>69.3-69.6</u> - alteration zone? rosettes
78		X 20				61832	.002	.005	15		2	1	3	 				3	1				2		of biotite in matrix of fine-grained quartz and sericite
80		20)1	Ц	61833	.007	.007	24		2		3		3	15	2	6	1				1		hornfels, some purple hornfels 74.1-74.2 - green limy band-sericite.
82		14	9	4			-				 								ļ						chlorite [±] diopside, carb <u>75.2</u> -quartz-MoS ₂ vein, @ 80 ^c 2 cm wide, < 1% MoS ₂
84		> 20		00-	┯┥	61834	.003	.004	. 14		2		2			3			-			_	r	\parallel	$\frac{76.6-76.8}{\text{associated with quartz pyrrhotite} \pm MoS_2 \text{ vein } @60^{\circ}$
86		720) 91	6		61835	.009	.005	18		8		9			7	1		3				r		contacts @50° 77.1-79.1 - weakly hornfelsed sediments;
88 -		21	9	8		61836	.001	.002	5	<u> </u>	6		1			5	2	2				-	5		patches of purple and greyish-green hornfels 78.6 MoS ₂ band @55 cut
90 -		720	9:	5	Ц	61837	.001	.002	5		4		2			4	1					_	1		by quartz-mos ₂ vern g/0°, 1 cm wide, 17 mos ₂ <u>79.1-79.3</u> - porphyritic basalt dike, contacts @55°
										<u> </u>															<u>at 77.1 m</u> <u>79.3-82.0</u> - weakly developed hornfels as

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DDH <u>TW80-6</u> Sheet 5 of 11

	GR	APHI	C LO	G	U U	TS	Δ	SSA	ΥD	ΔΤΔ		T			V				a/				
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l ä	MET TH.	EDDI	AUL		~ ~	A 5 S	SAMPLE NO. AND	EST. Mosz	% MoSz			Q12	Q12 Py	Qtz MoSo	Ру	MoSz	Corb		Te id				NOTES
╞═		-	<u> </u>	-	<u>°</u>	=	INTERVAL					<u> </u>							 ¥	Ē		_	
		BEDOIN			R 8	ASS	SAMPLE NO. AND INTERVAL	EST. MoSz	% MoS2			9 1 z	Q 1 z Py	Gtz MoSz	Ργ	MoSz	Corb		K-Feld				<u>19.4-</u> - quartz-pyrrhotite <u>*MoS2 vein (500) with green alteration halo</u> <u>80.0-83.1</u> - Porphyritic basalt dike- contacts (200) - phenocrysts-plagioclase- 25%, amphibole-15%, chilled margins <u>83.1-94.2</u> - weakly developed hornfels as at 77.1 m <u>84.4-84.7</u> - green limy band (sericitic chloritic) associated with quartz-pyrrhotite veins (200) <u>86.0-</u> - quartz MoS2 vein (600, 1cm wide, hornfels halo, pyrrhotite; 2% MoS2 <u>87.1-87.3</u> - Patch of purple hornfels associated with pyrrhotite fractures <u>89.5-89.8</u> - Irregular purple and green hornfels <u>90.6-90.9</u> - irregular, banded convolated quartz veins - hornfelsing adjacent to veins
					ļ											1							
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-	1		┢	+	\neg	┠								$\left - \right $				 	 	 ┼┼	+		

TIDEWATER PROPERTY

DDH __<u>TW80-6</u> Sheet <u>6</u> of <u>11</u>

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METRE	L I TH. BEDDING	FAULTS NUMBER	PIECES	ASSAY	SAMPLE AND INTERVA	NO.E	EST. IoS _E	% MoSz	Mo ppm	Q+2	erz Py	Qtz MoSz	Py	MoSz	Carb	q+ mu ≛py	Po	+ 5 0	K-Feld	Biotite	W	or rs		NOTES
		12	99		6183	8.0	003	.002	6	6		3			6	3						r		<u>92.3-93.0</u> - green and purple-brown hornfels-irregular
		X 20	100	0	6183	9.0	001	.005	15	8				2	4	3		2				1		$\frac{93.9-94.1}{900}$ - green and purple hornfell quartz vein $(60)^{\circ}$
		20	104	+	6184	0.0	001	.001	4	9	1	1			6	6						r		<u>94.2-103.1</u> - purple -brown, grey and green hornfels
		15	95		6184	1 . 0	010	.008	28	6		4			6	4		2				2	\mathbf{T}	- minor unnornieised secti <u>96.2-96.5</u> - quartz-green sericite- chlorite-Kspar-pyrrhotite-MoS2 vein @600 - 51% MoS
		11	100	>	6184	2.0	001	.007	23	10		1			2	3		2						- other minerals as bands quartz
		10	93		6184	3.0	004	.002	8	3		2												<u>97.0-97.3</u> - green limy zone (chlorit sericite, carb.) 98.5-99.3 - green altered hornfele a
		720	105	5	61844	4.0	001	.003	9	2		2			10	5		·····				2		at 97.0 m <u>99.7-99.9</u> - vein as at 96.2- same
		20	94		6184	5.0	001	.004	12	4		1			5		5	3		1		5		mineralogy and attitude <u>101.4-101.5</u> - garnet-diopside skarn, pyrrhotite-1% trace schoolite
		13	100		61846	5.0	004	.004	13	 4		3			12		1				1			<u>102.0-102.2</u> - green limy zone <u>103.1-123.0</u> - Relatively unhornfelsed siltstone
		20	101		61847	, .0	001	.001	4	3		2				2	1			T	L I	-		argillite quartz-arsenopyrite? vei
		20	95		61848	3 . 0	05	.001	3	4		5		2	12	1						1		MoS2 <u>104.2</u> - quartz-MoS2 vein @70 ⁰ - <
		20	98		61849		-	.008	27	 2					11	4					t	r T		<u>105.5-105.8-</u> grey sericitized hornfell <u>105.8-106.0</u> - broken core
		20	93	\prod	61850	.0	01	001	3	8		1			20			3		Ţ	t	r		<u>106.2-106.4</u> - green alteration zone rimmed by purple hornfels
		<u>*</u> 20	100		61851			.002	8	 5					15			6				2		fractures 107.3 guartz-MoS2 vein 0700
		20	95	\square	61852	. 0	01	.005	17	 3		1			25	3					tı	r		MoS ₂ in bands <u>109.5-109.7</u> - green alteration and pur
l																								normieis adjacent to irregular quartz vein @ trace MoS2 .1

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1 = 8	GN	APHI	: LOG	3	ບ່	PTS	A	S S A	Y D	ΑΤΑ				V	EI	N S		 •/	M	NE	RΔ	1 5	
DEPTI	LITH.	BEDOING	FAULTS NUMBER	PIECES	% R£	ASSAY	SAMPLE NO A NO INTERVAL	EST. Mos ₂	°∕n MoS⊵		Qtz	Q f z Py	Qtz MoSz	Py	Mosz	Carb		K-Feid	Biotite	2 Music			NOTES
																							111.4-111.6- irregular quartz-MoS2 vein stockwork; purple hornfels 115.1-115.3- ueins @700 - associated green-grey alteration 119.3-119.6- garnet-diopside skarn

Ξů	GRAP		06	ပံ	PTS	A	SSA	Y D	ATA				VE	ΞIΝ	15			%	ML	NER	ALS	
METR	LITH. BEDDING	FAULTS	PIECES	38 %	ASSAT	SAMPLE NO AND INTERVAL	EST. Mos ₂	%₀ MoS2	Mo ppm	Q † 2	Q tz Py	Qtz MoSz	Py	MoSz	Carb	q+ mu ⊈py	q+ po	K-Fald	Biolite	Po		NÖTES
120		>	20	95		61853	.001	.002	7	9	1	1			10	4				tr		<u>121.3-121.5</u> -quartz-pyrite vein @45°,
122			20	120		61854	-	.002	6	4					20					tr		quartz-MoS ₂ vein @75 ⁵ , 1% MoS ₂ <u>123.0-</u> - brecciated quartz chlorite
124			14	105																		$\frac{123.0-127.1}{0}$ porphyritic andesite dike-contacts
120			13	106	┢	61855		.001	3	2	1		4		20					tr		<u>127.1-137.1</u> - unhornfelsed siltstone and argillite with some patches of green-grey and purple hornfels
120 130			20	105		61856	.001	.004	13			1	1		20		1			5		brown alteration zone 128.5 garnet-diopside skarn band
1 32			20	90		61857	.002	.008	27	 2		2			15					.3		-2 cm wide, trace scheelite <u>129.3-</u> - quartz-pyrrhotite-sphaler-
-134			20	90		61858	.003	.002	8	1		2			20		2			.3		$\frac{130.2}{-}$ quartz-MoS ₂ vein, 1 cm wide - @65°, 1-2% MoS ₂ , <1% pyrrhotite
-136-			20	102		61859	.001	.017	57	6		1			25		4			.8		130.5 - quartz-MoS ₂ vein, @ 75°, <1 cm wide, 2% MoS ₂
138			20	105		61860	.008	.004	12	25+		10			25		4		_	tr		$\begin{array}{c} 132.9-133.3 \\ 0 \\ 133.8 \\ 133.8 \\ 0 \\ 133.8 \\ 0 \\ 0 \\ 133.8 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $
140		K	20	110		51861	.001	.008	26	70+		1			40+		2			tr		MoS ₂ -1 cm wide <u>134.0-</u> -quartz-MoS ₂ vein @55°, 1%
142		1	20	95		61862	.001	.008	26	30		1			40		3			tr		MoS2-1 cm wide <u>134.4-134.9</u> - diopside-garnet skarn, gree
144		K	20	96		61863	.003	,005	17	40+		3			30		1			tr		wide, 1% MoS2
146			20	95		61864	.004	.004	12	8		3			30		4		+	1.1		$\frac{136.2-136.3}{1300}$ broken and sheared core
148			20	91	╟╟	61865	.003	.008	25	10		3			25		5			tr		<u>137.1-131.5</u> - purple and grey-green horntels <u>137.1-143.2</u> - irregular stockwork of quartz veins -3 per cm
150			20	105		61866	.003	.008	25	3		3	1		40		2		_	tr		- trace MoS ₂ and pyrrhotite, sphalerite?
																						- cut by later quartz-MoS ₂

TIDEWATER PROPERTY

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Ξ	- 1	APHIC	L06	ပဲ		ËL.	A :	SSA	Y D	ΑΤΑ				V	E۱۲	v S		%	MIN	ER	ALS	S
DEPT Metr	LI TH.	BEDDING		8 H 8	ASSA	INTERCE	AMPLE NO. AND INTERVAL	EST. Mos _z	*% MoSz		Qtz	Q 1 z Py	Q12 MoSg	Py	MoS <u>z</u>	Carb		K-Feld	Biotite Musc			NOTES
																						<pre>- much broken core, rock is hornfelsed-purple->brown <u>141.7-142.0</u>- irregular patches of green (sericitic, chloritic) alteration <u>142.1-</u> - quartz-MoS₂ vein @80°, 2 cm wide 1% MoS₂ <u>143.1-</u> - quartz-MoS₂ vein @80°, 2 cm wide, 1% MoS₂ <u>143.5-</u> - sericitic alteration <u>144.1-</u> - quartz-MoS₂ vein @65°, <1 cm wide <1% MoS₂ <u>145.3-146.0</u>- patchy quartz vein stockwork 1 vein per 4 cm2 <u>145.9-</u> - quartz-MoS₂ vein @45°, <1 cm wide, 5% MoS₂ <u>146.4-146.6</u>- sericitized zone <u>147.0-147.2</u>- quartz-MoS₂ veins @80°, associated green alteration - cut by 2 cm wide porphyritic andesite dike @250 <u>149.3-</u> - quartz-MoS₂ vein @80°, 1 cm wide, 1-2 MoS₂</pre>

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_ s	GR	APHI	C LOG	ن	7TS	Α	SSA	ΥĎ	ΑΤΑ					V	ΕI	NS				%	M	INE	RAL	S
DEPTH Metre	LITH.	BEDOING	FAULTS NUMBER	% RE	ASSAY	SAMPLE NO AND INTERVAL	EST. Mos ₂	°‰ MoS₂	Mo ppm		Q12	Q12 Py	Qtz MoSz	Ру	MoSg	Carb	q 🕇 po	·		K-Feld	Biotite	Muse		NOTES
150			20	92		61867	-	.002	7		8					30+	3					t	r	<u>151.5-153.0</u> - porphyritic andesite dike-contacts @35 ⁰ -15% plagioclase phenocrysts
152			20	105		61868	.003	.020	65		3		1		2	30+						t	r	<u>153.0-168.0-</u> grey-green and purple hornfels-weak hornfelsed sections <u>153.7-</u> - guertz-MoS2 weine and Mo
1.54			20	91		6186 9	.003	.005	17		1		5			20						t	r	fractures (85°) - quartz-MoS ₂ veins and Mo <u>15</u> 6.5 quartz-MoS ₂ vein (80°) ,
156			20	98		61870	.004	.013	43		4		3			20	1						2	1 cm wide; pyrrhotite, 1% MoS2 157.5 quartz-MoS2 vein @80°,
160			20	99		61871	.001	.003	11		2		1			20	2					t	r	- purple hornfelsing adjac to vein
162			20	98		61872	.003	,006	20		2		2			15	2					t	r	siltstone
1641			20	115	┨┈┠╌	61873	.004	.005	18		8		5			40	2		ļ			•	1	vein $(80^{\circ}, 1-2 \text{ cm wide}, \frac{158.7-}{2\% \text{ MoS}_2}$
166-			20	95		61874	.006	.007	22		10		3		 	8	4					t	r	zone <u>160.7-160.8</u> - quartz-MoS ₂ v
168-			20	98		61875	.003	.021	71		304	-			2	20	2		 			-	1	and late carbonate vein @25° <u>160.9-</u> - quartz-MoS ₂ v
-170			20	96		61876	-	.003	10	·	9					25	3					t :	r	$\frac{163.0-163.1}{4.1-3 \text{ cm wide, } < 1\% \text{ MoS}_2}$
			20	100	⊥.	61877	.002	.030	100		3		3			10	3		-				r	$\frac{163.4-}{\text{cm wide, tr MoS2}} - \text{quartz-MoS}_2 \text{ veins @15^{\circ},1}$
												-										_	_	$\frac{104.1-104.2}{164.2-} = \text{fregular quartz velning}$ $\frac{164.2-}{2 \text{ cm wide, } \leq 1 \text{ MoS}_2} = \text{quartz-MoS}_2, \text{vein } \text{ (e) } 55^\circ,$
4																						_		$\frac{164.6-164.8}{\text{mos}_2 \text{ vein}}$ to quartz - Mos ₂ vein
								:											-					- vein @45°, trace MoS ₂ (chloritic, sericite) 166.0 quartz-MoSo vein @45. 2
										·							-					-		wide, <1% MoS ₂ - disseminated - disseminated fine-grain
																								sphalerite?

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DDH <u>TW80-6</u> Sheet <u>11</u> of 11

End End <th></th> <th>GRA</th> <th>PHIC</th> <th>LOG</th> <th>0</th> <th>15</th> <th>Δ</th> <th>SSA</th> <th>Y D</th> <th>ATA</th> <th></th> <th></th> <th></th> <th>VI</th> <th>EIN</th> <th>۱<u>S</u></th> <th> </th> <th>%</th> <th>MIN</th> <th>ER</th> <th>ALS</th> <th></th>		GRA	PHIC	LOG	0	15	Δ	SSA	Y D	ATA				VI	EIN	۱ <u>S</u>	 	%	MIN	ER	ALS	
Image: Second	DEPTH	LITH.	FAULTS	NUMBER OF	% R E	ASSAY INTERCEP	SAMPLE NO. AND INTERVAL	EST. Mo 52	% Mo52		Q f z	Q t z Py	Q1z MoSg	Py	MoSz	Carb		K-Feid	Biotite Musc			NOTES
																						166.0-168.0- irregular patchy quartz vein stockwork - some disseminated sphale- rite? (2%), pyrhotite (tr) 168.0-171.3- relatively unhornfelsed argillite and siltstone 168.0-171.3- relatively unhornfelsed argillite and siltstone - quartz-pyrrhotite vein 050° 170.0 quartz-MoS2 vein 078, (1 cm wide, \$1% MoS2 170.7-171.3- broken core, sheared 010° chlorite 171.3 End of Hole

Form # DL _2

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		<u>D</u> :	IAMOND DRILL RECOR		
PROPERTY _	TIDEWATER	Project Number	971		
Hole No	TW 80-7	Co-ordinates		Bearing at Collar	-
				Dip at Collar	-90 ⁰
		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 % MoS2	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.

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TIDEWATER PROPERTY

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DDH <u>TW 80-7</u> Sheet <u>1</u> of <u>7</u>

- ø	GRAPH	IC LOG	40		2 A	S S A	ΥD	ATA			-	V	EIN	S			%	MI	INE	E A	ALS	
DEPTI	LITH. BEDOING	FAULTS NUMBER	PIECES	ASSAY	SAMPLE NO AND INTERVAL	EST. Mos _z	% MoS2	Mo ppm	Qtz	Q t z Py	Qtz MoS ₂	Py	MoS ₂	Carb	Qtz H Pyrr		K-Feid	Biotite	Musc	Pyrrho		NOTES
- 2																						1.9 - 190.5 - Metasedimentary Rocks - siltstone, argillite, greywacke and hornfelsed equivalents.
4		720	9	4	61878	-	2001	3	 2					3						7		$\frac{1.7 - 75.0}{2.6 - 2.7 - Green limy hand (sericite + chlorite)$
		720	9	4	61879	-	2.001	2	1				2	0						1		<pre>± diopside, carbonate) 3.3 - 4.0 - alternating argillite and greywacke</pre>
- 8-		720	10	5	61880		c. 002	5	 4				h	5						2		$\frac{4.3 - 4.7}{5.0}$ - broken and sheared core @ 50° 5.0 - aplite @ 35°, 2cm wide - purple-brown bornfels adjacent to aplite
- 10-		>20	9	6	61881	-	K 001	3	 ı				2	:0	7							$\frac{5.2 - 7.1}{6.6 - \text{ gtz vein @ 55° 1 cm wide}$
12		720	9	3	61882		C 001	4	3				2	0	14				,	1		<u>9.9 - 11.5</u> - numerous quartz-pyrrhotite-sphal- erite (?) veins @ 45 ^o - associated purple
14-		720	10	3	61883		¢.001	4	2				2	5	4				-	2		hornfels 12.7 - quartz vein @ 15°, trace MoS2 14.3 - 14.6 - some shearing along some
161		720	9	4	61884	.00:	k 001	4	4		1		12	0						ł		$\frac{14.3 - 14.6}{14.7 - 15.0} - \text{patchy purple and green hornfels}$ $\frac{14.7 - 15.0}{15.4 - \text{guartz-MoS2 vein @ 25^{\circ}, 1-2\% MoS2.}$
18		720	10	5	61885	.00	<001	2	4		1		3	0	3				ť			associated hornfels 16.1 - 16.6 - broken and sheared core @ 2°
20		12	9	5	61886	-	<001	1	3					8	1				f			24.8 - 25.0 - grey-green alteration (sericitized hornfels)
- 22-		720	8	9	61887		c.001	2	3				2	5	3				6	($\frac{25.3 - 25.6}{25.4 - 25.5} - \text{broken and sheared @ 50°}$ $\frac{25.4 - 25.5}{25.6 - \text{guartz } \pm \text{MoS2 vein, @ 20°, 2 mm wide,}}$
		720	10	3	61888	-	c,001	3	4				1	2	1				/	1		trace MoS2 26.4 - quartz vein @ 25, 1 cm wide, trace ser-
24		720	10	9	61889	.00	≲0 01	3	3		1		2	5	3				f	/		icite, pyrrhotite <u>28.6</u> - quartz-pyrrhotite vein @ 75 ⁰
20		720	10		61890		c. 001	2	5				2	0	1				ļ	1		
20		720	10		61891		2,001	1	6				μ	0	3					2		
30																				T		

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DDH <u>TW 80-7</u> Sheet 2 of 7

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O E P T H METRE	LITH. BEDDING	FAULTS	NUMBER 07	% RE	ASSAY INTERCEP	SAMPLE NO AND INTERVAL	EST. Mose	% Mo52			Qtz	Q12 Py	Qtz MoSz	Py	MoS ₂ Co	or b +	tz Py oti	rr te	K-Feld	Biotite	VEN			NOTES
30 -32 -			19	100		61892	-	.001	4		2					7	5				. 1			$\frac{30.4}{31.9}$ - quartz- pyrrhotite ± sphalerite @ 60, 2 cm wide $\frac{31.9}{32.0}$ - quartz-pyrrhotite-sericite-chlorite veins
-34 -			16	98	ļ	61893	-	2. 001	1		1					6	2				tı			$\frac{33.1}{34.8} - \text{quartz-pyrrhotite vein @ 80^{\circ}}$
-36 -		>	20	94		61894	-	¢.001	. 1		2					5	2			\downarrow	tr			36.1 - 37.0 - feldspathic and some mafic metavolcanic fragments - tuff
-38 -			14	95		61895	-	2.001	1	 	7				1	.0	2				1			<u>37.8</u> - 3 quartz-sphalerite(?) <u>+</u> pyrrhotite veins @ 40°, 1 cm wide 37.2 - irregular-guartz-sericite-biotite-pyrrhotite band
40 -		>	20	101		61896	-	2.001	2		8				1	.5	6				tr		Ц	<u>38.1</u> - quartz-pyrrhotite-sericite vein @ 75° - wall rock sericitized
42 -		7	20	97		61897	-	∠. 001	2		2				1	.5	3				tr			$\frac{39.5 - 39.6}{40.0}$ - green sericitized zone, carbonate $\frac{40.0}{41.5}$ - quartz-pyrrhotite vein @ 35°, 2 cm wide
-44 -		>	20	98		61898	-	4. 001	1		4				1	.0	2				tr			$\frac{42.6}{45.0}$ - 47.3 - zone of quartz veining - associated
-46 -			8	100		61899	-	4.001	1		3					3 1	5			_	tr			hornfels - green and purple - banded - quartz veins contain pyrrhotite and a drak grey sulphide (?sphalerite
48 -		7	20	102		61900	-	<. 001	1							В	0			_	tr			meter of core - 2 major vein attitudes - 0.40° , 070° (possibly younger)
50.			╞			64001	-	∠. 001	1	-	2					_	1							$\frac{47.7}{100}$ - white sericitized hornfels with green alteration halo (sericite + chlorite <u>+</u> diopside, carbonate)
52 -			-			64002	-	c. 001	1		3	1					2		\square	-	_			<u>49.2 - 49.3</u> - green limy zone <u>53.3 - 53.4</u> - green limy zone diopside, sericite, carbonate
54 -			┝			64003	-	<.003	2		1						1							53.6 - 53.7 - as at 53.3 m 53.8 - 53.9 - purple hornfels and green alteration
56 -			-			64004		2.001	1							-	2			_	_			55.1 - 55.2 - green limy band 55.7 - green limy band 57.8 - green limy band
58			\vdash			64005 64006	-	K. 001	1							-	1			+	-			58.2 - 58.3 - grey-green alteration zone - chlorite, diopside, carbonate
60 T						04000			<u>.</u>							+	_		 ┠╌┠	+			H	<u>59.0 - 59.1</u> - quartz-chlorite-sericite vein @ 55 ⁰
						L			_															

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0 E P T	LITH.	BEDDING	PIECES	% RE	ASSAY	SAMPLE NO AND INTERVAL	EST. Mos _z	% MoS₂	Mo ppm		Qtz	Qtz Py	Qtz MoS ₂	Py	MoSz	Carb	Qtz Pyrr	+	2	K-Feld	Biotite Muse				NOTES
60 - 62						64007		2.001	1		1						2								<u>60.5</u> - quartz-pyrrhotite veins @ 35 ⁰ , brown biotite adjacent to vein
-64·						64008	-	4.001	1								1								62.4 - 62.7 - grey limy band - diopside + carbonate 63.5 - 64.0 - grey alteration-chlorite + sericite
66.						64009	-	4. 001	1																$\frac{1}{65.0}$ - $\frac{65.7}{65.7}$ - broken and sheared core @ 65° - grey alteration
-68.						64010	- •	¢.001	3		1						3							Ц	65.7 - 70.3 - Irregular purple and grey-green hornfels - 70% of core is hornfelsed.
-70-						64011		< 001	1		1														<u>70.3 - 72.3</u> - unhornfelsed argillite - contorted bedding? 72.3 - 75.0 - Diabage dike - fine to redier
-72-						64012		 001	1																grained - contacts @ 45° 73.6 - 73.9 - Xenolith of argillite
.74.							-																		75.0 - 84.6 - Weakly hornfelsed metasediments - irregular banding - some beds more hornfelsed
-76 -			Ц			64013	-	< 001	2		1						1								than others. <u>81.2 - 81.3 -</u> green alteration - diopside + chlorite + sericite
-78 -						64014	-	2.001	2		3						1								82.0 - 83.0 - broken and sheared along core - carbonate and pyrite along fractures
80 -					:	64015	-	∠. 001	3		1										-				<u>83.6 - 83.9</u> - green and purple alteration (horn- fels) - irregular quartz veining
82			\square			64016	-	~ 001	2		1														green and purple) - strongest hornfelsing associated with quartz veins and guartz - biotite
-84 -						64017		4.00 1	2								2		-			ŀ			sericite-pyrrhotite veins <u>84.6 - 87.0</u> - irregular stockwork veining
86 -						64018	-	<.001	2		4						8								
88						64019		2.001	2		5						15								
-90 -						64020		د. 001	2		2						4					$\left \right $			
		l.																							

DDH TW 80-7 Sheet 4_ OF 7___

	GRAI	PHIC	LOG	ပ်	E E	A .	S S A	Y D	ATA				V	EIN	NS.			%	MIN	Δις	1	
DEPTH	LITH.	FAULTS	NUMBER OF	% RE	ASSAY	SAMPLE NO. AND INTERVAL	EST. Mos _z	% Mosz	Mo ppm	Qtz	Q tz Py	Qtz MoSz	Ру	Mosz	Carb	Qtz Pyr	+	K-Faid	Biotite Muse			NOTES
90						64021	-	k.0 01	2	1						2						<u>92.0 - 97.2</u> - broken core, considerable quartz
- 92-						64022	-	Ł.001	3							20+					1 .	<pre>veining - sheared @ 5° ->10° - carbonate on shears 94.0 - 101.0 - Unhornfelsed metasedimentary rocks</pre>
						64023;	-	L.001	3	5						2						- siltstone dominant - occasional patches of hornfels
98.						64024		001	2	2						5					1	<u>101.0 - 102.1</u> - diopside skarn and grey-green alteration - quartz banding @ 60 ⁰ - trace schee-
100						64025		ζ.001	2	1											1	<u>102.1 - 114.0</u> - Unhornfelsed metasedimentary rocks - occasional hornfelsed patches
102						64026	_	(. 001	2	5						3]	103.2 - 103.8 - weak green and purple hornfels $104.2 - 105.5$ - broken and sheared core @ 10° -
104						64027	<u> </u>	¢.001	2	3						1]	<u>104.5 - 104.6</u> - irregular quartz banding and hornfels
106						64028		.001	2	 2												107.2 - 108.0 - weak purple and green hornfels - carbonate bands
108						64029	-	<.001	2	 1						4						108.9 - 109.1 - weak purple hornfels 112.6 - 113.1 - weak grey-green hornfels 114.0 - 114.8 - Andesite dike - areas of plagio-
110-						64030	-	k. 001	1	3												clase phenocrysts - contacts @ 25° <u>114.5 - 114.7</u> - xenolith of altered metasediment
112						64031	- «	(.001	5							1						- quartz veins <u>114.8 - 121.2</u> - Unhornfelsed metasedimentary rocks - siltstone and grouwacks dominant
114.						64032	-	4. 001	1							1						siftstone and greywacke dominant.
116-						64033		<u> </u>	5	 						2						
118-						64034	-	<,001	3	 4						1			1			
120			┝┤			64035		.001	4	 1						1						

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DDH ______ W 80-7 SHEET 5__ OF 7____

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DEP.	LITH.	BEDDIN		ж К	ASSA	SAMPLE NO AND INTERVAL	EST. Mos ₂	% MoSz	Mo ppm		Qtz	Q f X Py	Qtz MoSz	Py	MoSz	Carb	Pyr			K-Feld	Biotite	Musc			NOTES
120						64036	-	.001	5		2														<u>121.2 - 123.3</u> - Weakly hornfelsed siltstone and argillite
122						64037	_	.001	4		3														$\frac{121.2 - 121.9}{121.9 - 123.3} - \text{grey-green hornfels}$
1261						64038	-	.001	4		1														123.8 - 125.7 - Variably hornfelsed siltstone and greywacke
128-						64039	-	.001	5		4				ĺ				 						<u>125.0 - 125.5</u> - part of Basalt dike along core <u>125.7 - 126.8</u> - Basalt dike - contacts @ 10° <u>126.8 - 147.9</u> - Unbernfolsed metasodiment - mainly
130-						64040	- ·	k. 001	3		1						1								siltstone - some hornfelsed patches <u>131.3 - 132.5</u> - weak purple and green-grey horn-
132-						64041	- 4	.001	3		1							ļ			_				fels <u>133.7 - 133.9</u> - purple hornfels halo around quart
134.						64042		.001	3								2								<u>136.2 - 136.3</u> - green (diopside + chlorite + sericite + carbonate) hornfels and purple horn-
136-						64043	-	.002	7		4				 		 								fels <u>137.7 - 138.4</u> - purple and green hornfels with
138			-			64044	-	.001	4												_				<u>139.4 - 139.6</u> - green alteration patch (sericite, diopside, chlorite, carbonate).
140-			-			64045		.003	10								1								140.0 - 140.2 - green alteration as at 139.4 m 140.7 - 140.8 - green alteration as at 139.4 m
142-			\vdash			64046	-	.005	16		6						1	-							$\frac{143.3 - 144.4}{wacke} - very weakly normielsed grey-wacke\frac{147.9 - 150.2}{wacke} - contacts @ 10^{0}$
144-			$\left \right $			64048	-	.001	4		1 3						4	\vdash				-	-		
146			-	-		64049	-	.001	4		1						4			╏		+			
148-			\vdash			64050	-	. 001	3									 		╞╌┨					
150					1				<u></u>									·							

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	METRE	BEDDING	FAULTS	PIECES	% RE	A S S A Y INTERCEI	SAMPLE NO. AND INTERVAL	EST. Mos _z	% MoSz	Mo ppm		Q1z	Q 1 I Py	Qrz MoSz	Py	MoSz	Carb	Qtz Pyr	; + r		K-Feid	Biotite	Musc			NOTES
	.50 52						64051	-	.002	2 7		4						1								<u>150.2 - 155.8</u> - Variably hornfelsed siltstone and greywacke - purple-brown and grey-green hornfels -
	54						64052	 _	<.001	3		2				ļ		8								coarsely banded in places <u>153.6 - 155.8</u> - Quartz-pyrrhotite-sphalerite(?) veins - <1 to 10 cm wide - up to 9 per meter
	56			_	_		64053	-	¢.001	3						- ·		15							╞	- 40° - 50° dip <u>155.8 - 160.3</u> - Unhornfelsed metasediments - silt- stone and argillite
h	58			+	_		64054	-	K. 001	. 2										-				_	+-	<u>160.3 - 162.3</u> - Purple-brown and grey-green hornfels associated with quartz veining - skarn
	60			+	_		64056			3								20+								<pre>bands <u>161.2</u> - quartz-pyrrhotite-scheelite vein in skarn.</pre>
-	62				-		64057	 _	.002	2 6		3						7						╎		<u>162.3 - 183.5</u> - Unhornfelsed Metasediments-silt- stone, argillite - hornfels patches associated
1	54						64058	-	.002	2 5		4						7		_				1	╞	<u>163.5 - 164.1</u> - purple-brown hornfels associated with quartz-pyrrhotite veins @ 75°
	58						64059	-	.001	. 4								3								<u>165.1 - 165.8</u> - weakly hornfelsed sediment - green & purple banded sections. 170.0 - 170.5 - Purple-brown hornfels associated
	701						64060		. 001	. 3		2						2							-	with quartz-pyrrhotite \pm (sphalerite?) veins. (<u>172.9 - 173.1</u> - purple-brown hornfels adjacent to (Quartz-pyrrhotite \pm (sphalerite?) veins
4	72.						64061	-	.002	5		2	-					10			-					(173.4 - 173.5 - same as 172.9 - 173.1. 178.6 - 178.9 - purple and grey-green hornfels
ł	74-			+	_		64062 64063	-	.007	22		3			- - -	-		4	-				_	+	-	- limy band
	6-			+	┥		64064	-	c. 001	3								3							┢	
P.	8						64065	-	.002	7		 				1		1		$\left \right $						
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TIDEWATER PROPERTY

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DDH <u>TW 80-7</u> Sheet <u>7</u> of <u>7</u>

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0 EPTH METRE	LITH.	BEDOING	FAULTS NUMBER	% RE	ASSAY	SAMPLE I AND INTERVA	10 EST MoS	- % Mo\$2	Mo ppm		Qtz	Q t I Py	Qtz MoSz	Py	MoSz	Carb	Qtz Pyr	+ r	 K-Feid	Biotite	MUBC			NOTES
180						6406	5 -	<.001	. 3		1						1							183.5 - 187.6 - Variable green and purple hornfels associated with quartz-pyrrhotite - (sphalerite?)
102						6406	7 -	< 002	2 7		1						3							<pre>veins - veins 1 to 10 cm wide up to 5 per meter - contain, chlorite, sericite, biotite, 197.6 - 190.5 - Unbernfelend siltstere and availlite</pre>
						6406	в -	k. 00]	3	ļ	3						7							- interbanded 190.5 - End of Hole.
188-						6406	9 -	4.001	3		1						11							
190-			-		-	6407	<u>- c</u>	4 .001	1 3		2						2				_			
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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

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



N.T. S. Ref. 103 P 5 FIG. 3

