1980 ASSESSMENT REPORT

TITLE: DIAMOND DRILLING REPORT KITSAGLT MINE

CLAIMS: LEASE M 163

MINING DIVISION: SKEENA MINING DIVISION

NTS LOCATION: NTS 103 P/6

LATITUDE &

LONGITUDE: 55° 25'N. and 129° 24' W.

OWNER AND

OPERATOR: AMAX OF CANADA LTD.

AUTHOR: GARY D, SMITH

DATE SUBMITTED: JULY 28, 1980



TABLE OF CONTENTS

INTRODUCTION	Page
Location and Access	1
Physiography	1
History	1
DRILLING RESULTS	1
AUTHOR'S QUALIFICATIONS	5
APPENDIX A - DRILL LOGS	In Pocket

APPENDIX B - STATEMENT OF COSTS

LIST OF FIGURES

Figure 1 - Index Map3Figure 2 - Drill Hole Location Map4

INTRODUCTION

Location and Access

The Kitsault property is located near the head of Alice Arm, about 150 kilometers northeast of Prince Rupert. The drill hole location is approximately 325 meters south-east of the Kitsault open-pit. Access to the drill site is by road from the community of Kitsault to the east waste dump and from there by foot or all terrain vehicle to the drill site (Fig. 1).

Physiography

The drill site is located approximately 675 meters above sea level. (Fig. 2). Patsy Creek is situated in a deep canyon about 150 meters south of the drill site. The area has been recently logged off to within 100 meters of the drill site. A cat road was pushed through the unlogged portion for access to the drill site.

History

The area that was drilled is part of the B. C. Molybdenum Ltd. claim group that was purchased by Amax of Canada Ltd., in 1973. Both drill holes were collared in the "East Lobe" which is believed to be the oldest phase of the Lime Creek Stock. The area drilled, will be the site for a future waste dump, it was therefore expedient to test it for economic mineralization.

DRILLING RESULTS

Hole 80-1 was started on May 5, 1980 and was completed on May 9, 1980. The size of the drill core was N.Q.W.L. for the entire 197.25 meters drilled. The hole was collared vertically and stayed essentially straight, with the inclination being -88° at the bottom.

The hole was collared in weakly altered Diorite, and remained in Diorite, with the exception of a breccia zone which started at 122 meters and ended at 164 meters. The hole also intersected several sets of lamprophyre dykes starting at 112 meters to 121 meters and again at 170 meters for approximately 4 meters. Pyrite and pyrrhotite was the dominant sulfide mineralization. The combined amount started out at 1-2% and decreased gradually toward the bottom of the hole, ending at less than 0.5%. The only economically interesting mineralization occured at 28.66 meters, here a polymettalic quartz vein was intersected. Minerals that were noted were galena, sphalerite and pyrite. Assay results for the 3.048 meter section gave the following values, Au - 0.04 oz per ton, Ag - 1.28 oz. per ton, Mo - <0.001% and WO₃ - <0.01% (for assay results see Appendix B). No other significant mineralization was noted, all molybdenum assays were 0.001% Mo or less. Hole 80-2 was started on May 9, 1980 and completed on May 13, 1980. The size of the drill core was N.Q.W.L. for the entire 157.32 meters drilled. The hole was drilled at an inclination of -45° towards the south at 155°. The hole steepened a little, with the dip test reading -51° at 140.24 meters.

The hole was collared in weakly altered Diorite and crossed the sedimentary-intrusive contact at 148.17 meters. At 128.96 meters the hole intersects a lamprophyre dyke which extends 19.21 meters to the intrusive - sedimentary contact. Pyrite and pyrrhotite was the dominant sulfide mineralization. The amounts varied but were generally around 1% combined, the amount decreased in the lamprophyre dyke to 0.5%. No economic mineralization was encountered in the hole. The molybdenum assays were all 0.001% Mo or less.

The holes were drilled to check the possibility of economic mineralization before waste dumps were established in the area.

Hole 80-1 tested the intrusive to a depth of 197.25 meters and hole 80-2 checked the intrusive - sedimentary contact. Both holes encountered weakly altered Diorite with no economic mineralization. Detailed geologic logs can be found in Appendix A.



(3)

FIG 1



(4)

F/G. 2

Gary D. Smith

.

Education

B.Sc. - Geology, 1972, University of British Columbia

Professional Experience

1967	-	1971	Summer	field work.	Río	Tinto	Canadian	
			Explora	ation Ltd.				
			EXPIOIS	ation Ltu,				

1972 - 1978 Field Geologist - Lornex Mining Corporation Ltd.

1979 - 1980 Mine Geologist - Kitsault Mine (Amax of Canada Ltd.) DRILL HOLE 80-1



10

.

APARA OF CANADA LIMITED

KITSAULT MINE

DIAMOND DRILL RECORD

an anima s

	LAT DER ADD DIR ELE	117778: 177778: 4877788: 48778: 48778: 48778: 48778: 48778:	14205 10610 1550 -450 673.8 157.3	Ë N m 2 m		COL COM COF	LARED Pleie e Sic): []; []:	May May N.O.	9, 1980 13, 1980	DIP T LOGGE DATE	ESTS: 90.24 m - 520 D BY: G. Smith LOGGED: May 26 - Ma	REMARKS: Log Sca 3.05m of core as ay 30, 1981 Ag. Mo, WO3 every
		ROCK	TYPES	e ANG	ALTERATION 2	GR.	PHIC e	LOG LOG	Le		MINER	ALIZATION AND STRU	CTURES
() z .	Plag	K-Spar Mafics	Texture	llardnes	Rock Na Appeara	Depth (Rock Ty	Alterat	Struct	Angle to Core of Axis	Width Of Vein	Mineralization and Faulting	Remarks
20	55	5 20 F Bio Py	Py /rr	4	Diorite <u>Weak Propylitic</u> Altered	6 1	0			70 20 40 & 45 45	1/16 1/8 1/8 x 2 1/16	Cal-Qtz-(Py) Qtz-Py-Pyrr-Cal Qtz-Cal-Py-Pyrrx2 Qtz-Cal-Py-Pyrr	4.27 of Over Burden Diss-Py-Pyrr-partly replaces mafics
							Mod			55 & 30 40 . 50 x 2 25 & 70 50	1/2 & 1/8 1/8 1/16 x 2 1/8 x 2 1/8	Qtz-Py-Pyrr-Calx2 Qtz-Py-Pyrr Qtz-Py-Pyrr x 2 Qtz-Pbs-Py-Pyrrx2 Py-Pyrr-(Cal-Qtz)	Moderate Alt'd mafics bleached to clay
						9	15			$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	1/8 x 2 1/8 & 1/16 h/e x 2 1/16 x 2 1/16 & 1/8 1/8 x 2	Qtz-Py-Pyrr x 2 Qtz-Py-Pyrr x 2 Qtz-Py-Pyrr x 2 Qtz-Cal-Py-Pyrr x 2 Qtz-Py-Pyrr x 2 Otz-Py-Pyrr x 2	

12,20

)

)

)

Fage <u>1</u> of <u>17</u>

HOLE NO: 80-2 CLAIM NO: M-163

> ale 1:60 ssayed for y 30.49m.



AMAX OF CANADA LIMITED KITSAULT MINE

DIAMOND DRILL RECORD

SECTION: LATITUTE: DEPARTURE AIIMITE: JIP: ELEVATION LENGTE:	:		COLLAFED: COMPLETED: CORE SIZE:			DIP 1 LOGG DATE	TESIS: ED EY: LOGGED:	PEVLEES:
R	OCK TYPES .	AND ALTERATION	GRAPHIC LO	G		MINE	PALIZATION AND STRUG	DIGES
QL2. РТад К-5раг Мабіся	Ассевної і си Тектиге	llardness Rock Name Appearance	hepth (m) Rock Type Alteration	Structure	Angle to Core of Axis	Width Of Vein	Mineralization and Faulting	Rezarks
					60 & 45 60 & 50 70 & 55 50 & 75 x 2	h/e x 2 h/e x 2 h/e x 2 h/e x 2	Qtz-Cal-Py-Pyrrx2 Cal-Py-Pyrr x 2 Qtz-Cal-Py-Pyrrx2 Qtz-Py-Pyrr x 2	-
			15.24		50 & 75 50 & 80 70 & 50 65 & 35	h/e x 2 1/16 x 2 1/16 x 2 1/16 x 2	Py-Pyrr-Cal x 2 Qtz-Chl-Cal-Py- Pyrr x 2 Qtz-Chl-Cal-Py-Pyrr Qtz-Py-Pyrr x 2	•
					70 80 60 50 & 35 x 2	1/8 1/4 1/8 1/8 x 3	Qtz-Py-Pyrr Qtz-Py-Pyrr Qtz-Py-Pyrr Qtz-Py-Pyrr x 3	well devel Pyrite
			10 20		80 & 60 80 80 & 40 50	1/8 & 1/16 1/2 3/4 & 1/8 1/4	Qtz-Py-(Pyrr) Qtz-Py-Pyrr Qtz-Py-Pyrr x 2 Qtz-Py-Pyrr	xtals along fractures
		4 Diorite	We Pr	eak rop	45 80 & 40 & 60 65 50	1/4 1/8&1/16x2 1" 1/4	Qtz-Py-Pyrr Qtz-Py-Pyrr x 2 Qtz-(Py-Pyrr) Qtz-Py-Pyrr Otz-Py-Pyrr	
	n , ann a			new one on the statement	60 60 65 K 2 40 K 2 & 30	1/8 1/16 x 2 c/ex2 & /	Otz-Py-Pyrr Orz-Py-Pyrr x 2 3 Otz-Py-Pyrr x 2 Otz-Py-Pyrr x 2	

)



AMAX OF CANADA LIMITED KITSAULT MINE

DIAMOND DRILL RECORD

SECTION: LATIIUDE: DEPARIURE: AZIMUTE: DIP: ELEVATION: LENGTH:	COLLARED: COMPLETED; COPE SIZE:	DIP TESTS: LOGGED BY: DATE LOGGED:
ROCK TYPES AND ALTERATION.	GRAPHIC LOG	MINERALIZATION AND STRUCTURES
Quz. Plag K-Spar Mafics Accessories Texture Hardness Rock Name Appearance	bepth (m) Rock Type Alteration Structure	Angle to Width Mineralization Remarks Core of Axis Of Vein and Faulting
		$80 & 40 \times 2$ $1/8\$h/ex2$ $Qtz-Py-Pyrr \times 2$ $60 & 65$ $1/ & 1/16$ $Qtz-Py-Pyrr \times 2$ $40 & 65$ $h/e & 1/2$ $Cal-Qtz-Py-Pyrr$ $70 & 60$ $1/8 \times 2$ $Qtz-Py-Pyrr$ 80 $8''$ $0tz-Py-Pyrr$ 90 $9''$ $0tz-Py-Pyrr$
Lamprophyre Dyke	24 39	80 90 1 1/2 Dyke 80 & 60 1/2 & 1/8 Qtz-Py-Pyrr x 2 80 & 90 1 1/8 x 2 10tz-Cal-Py
		70 & 50 h/e x 2 Py-Pyrr x 2 60 x 2 & 50 h/e x 3 Py-Pyrr-Calx3 70 x 3 1/16&h/ex2 Qtz-Py-Pyrr-Calx3 20 & 30 & 40 h/e x 3 Py-Pyrr x 3
		70 & 60 h/e x 2 Py-Pyrr-x 2
		70 & 35 $1/16$ & h/eQtz-PY-Pyrr-Cal70 & 60 x 2h/e x 3Py-Pyrr-Cal x 265 x 2 $1/8$ x 2Qtz-Py-Pyrr x 270 & 40 & 80 $1/8&1/16x2$ Qtz-Py-Pyrr-Calx240 $1/8$ 99Gouge-Clay-Cal-
	30.45	301/8Qtz-Py-PyrrSilicious zone with needles40 21/4 & 1/16Qtz-Py-Pyrr x 2of Hornblende

)

Page 3 of 17

HOLE NO: 80-2 CLAIM NO: M-163

	(%)	, COP.	ESTIMA SULPH	TED - IDES -		
age ks	very	• }			PbS	ZnS
Foota Bloc	Reco	Sample No.			Ру	Ро
		99 				
						1
					.2	.2
77				a for the second se	1.0	.5
87					$ \frac{1}{2} = 1$	
		-			.6	.4
angeringen gescher Staffe b	en bonnen er en					
	1					
97					1.11.499 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
				1		

		MAX OF CANADA LIN	AITED			Page <u>4</u> of <u>17</u>	· · ·
		KITSAULT MINE					
	DIA	MOND DRILL RE	CORD	HOLE NO: CLAIM NO	80-2 : M-163		
SECTION: LATITUDE: DEPARTURE: AZIMUTH: DIP: ELEVATION: LENGTH:	COLLARED: COMPLETED; CORE SIZE:	DIP TESTS: LOGGED BY: DATE LOGGED:	REMARKS :	1 1			
ROCK TYPES AND ALTERATION.	GRAPHIC LOG	MINERALIZATION AND STRU	JCTURES	1.10	COF	E ASSAYS	SULPHIDES
aries 88 ame ance	(m) ype ation			cage cks	overy		PbS ZnS
LZ. Lag afics ccesso ccesso iccesso iccesso lardne lardne Appear	Depth Buy Vock J Struc Alter Core o	e to Width Mineralization f Axis Of Vein and Faulting	Remarks	Fool	Sample No.		Py Po
	80 & 60	x 2 $1/8 \times 3$ Qtz-Py-Pyrr x 3 6" Qtz-Py-Pyrr x 2					
	75 x 4 70 & 65	x 2 $\frac{1/8}{1/8 \times 3}$ $\frac{1}{0}$ $\frac{1}{2}$ $\frac{1}{8 \times 3}$ $\frac{1}{2}$ $\frac{1}{8 \times 3}$ $\frac{1}{2}$ $\frac{1}{8 \times 3}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{8 \times 3}$ $\frac{1}{2}$ $\frac{1}{8 \times 3}$ $\frac{1}{2}$ $\frac{1}{8 \times 3}$ $\frac{1}{8 \times 3$		107			
	30-& 35 60 & 70	h/e x 2 Py-Pyrr-Cal x 3 h/e x 2 Py-Pyrr x 2					
							.8 .6
		h/e x 2 h/e 1/8 Py-Pyrr-Cal x 2 Py-Pyrr Py-Pyrr-Cal					
	80 x 2 80 x 3	1/16 & 1/8 Qtz-Cal-Py-Pyrrx2 & 70 h/e x 4 Py-Pyrr-(Qtz)-Cal	<u>1" Zenolith of HNFLS?</u>	.117			
	80 35	1" Qtz-Py-Pyrr 1/2 Qtz-Cal-Xtals					.8.
	36.59 40 × 4 70 & 6 40	$\begin{array}{c c c c c c c c c c c c c c c c c c c $					
	70 & 8 70	0 h/e x 3 Qtz-Cal-Py-Pyrr 1/2 Otz-Py-Pyrr	Plag-Chalky look Slight increase in alt'n	127			
	2 10 2 50 50	1/8Qtz-Py-Pyrr3"Qtz-Py-Pyrr		er Maa Woor Kan			
	39.63			n	,	· · · · · · · · · · · · · · · · · · ·	

Í	δη το πολογιστικού το αλογιστικού που μεγογορογορογορογορογορογορογορογορογορογ		KITSAULT MINE
	SECTION: LATITUDE: DEPARTURE: AZIMUTH: DIP: ELENATION: LENGTH:	COLLARED: CCMPLETED: CORE SIZE:	DIAMOND DRILL RECORD DIP TESTS: LOGGED BY: DATE LOGGED:
-	ROCK TYPES AND ALTERATION BOCK TYPES AND ALTERATION BUILDE	CH (m) CRAPHIC LOG R Type teration Tucture	MINERALIZATION AND STRUCTURES
	QUZ. Play Mafi Mafi Naco Acci Nex App	Der Der Noc	Angle R Of Vein and Faulting Core of Axis Of Vein and Faulting 30 & 65 1/4 & 1/8 Qtz-(Cal-Py-Pyrr) 25 & 65 1/8 & h/e Qtz-(Py-Pyrr)-Py- Pyrr 40 & 50 x 2 1/8 x 3 Qtz-(Py-Pyrr) x 3 Core in 1" pieces Core in 1" pieces
		42,68	60×2 $1/4 \times 2$ $0tx - (Py - Pyrr - Cal)^{+}$ 70 $2"$ $0tz - (Pbs - Sph - Py - Pyrr)$ 70 $4"$ $0tz - (Pbs - Sph - Py - Pyrr)$ 70 $4"$ $0tz - (Pbs - Sph - Py)$ 70 $4"$ $0tz - (Pbs - Sph - Py)$ 70×60 $1/4 \times 2$ $0tz - Py - Pyrr - Cal \times 2$ 70×2 $fr/e \times 2$ $Chl - Pv - Pyrr \times 2$
	La prophyre Dyk	e	50×2 h/e $\times 2$ Py-Pyrr $\times 2$ $20 \& 50$ h/e $\& 1/8$ $0tz-Py-Pyrr \times 2$ 40×3 h/e $\times 3$ $Ch1-Py-Pyrr \times 3$ 80×4 $1/8\&h/e \times 3$ $0tz-Py-Pyrr \times 3$ $80 \& 70$ $1/8 \& 1/4$ $0tz-Py-Pyrr \times 2$ 30×2 $1' \& 1''$ $Dyke-Qtz-Py$
		45.73	$\begin{vmatrix} 30 \\ 1/16 \\ 90 \\ 1/8$
)			$60 & 40$ h/ePy-Pyrr-Ch1-Ca1x2 $80 & 65$ $1/8&1/16$ $Qtz-Py-Pyrr x 2$ $6" - Ground$ $65 & 70$ h/e x2Py-Pyrr x 2Rock is more competent 70×3 $1/16 \times 3$ $Qtz-Ca1-Py-Pyrrx3$ Rock is more competent
		12 - 2	

 $\hat{}$

Page 5 of 17

HOLE NO: 80-2 CLAIM NO: M-163

ESTIMATED SULPHIDES CORE ASSAYS (%) Recovery Pootage Blocks PbS ZnS Sample No. Py Po Aa MoS2 WO3 137 * .8 <u>.</u>4 0.02 0.001 0.01 80012 147 .6 .3 E. ÷., 157 . 1 . 6 .3

a a sen an	900	ANAX OF CANADA LIMITED Page 6 of	_17_
		KITSAULT MINE	
SECTION:		DIAMOND DRILL RECORD HOLE NO: 80-2 CLAIM NO: M-163	
DEPARTURE: AZIMUTH: DIP: ELEVATION:	COLLARED: COMPLETED; CORE SIZE:	DIP TESTS: LOGGED BY: DATE LOGGED:	
LENGTH: ROCK TYPES AND ALTERATION.	GRAPHIC LOG	MINERALIZATION AND STRUCTURES	ESTIMATED Sulphide.
ories ss ance	(m) fype ation ture	v de la constant de l	PbS Zn
lz. Plag K-Spar Mafics Access Textur Hardne Rock N Rock N	Depth Rock ' Alter Struc	Angle toWidthMineralizationRemarks500SampleCore of AxisOf Veinand FaultingNo.	Py Po
		30 & 35 h/e x 2 Py-Pyrr-Ch1 x 2 60 x 2 h/e x 2 Py-Pyrr x 2 70 x 2 h/e x 2 Py-Pyrr x 2	
		60×2 $1/8 \& 1/16$ $0tz-Py-Pyrr \times 2$ 70 1" $0tz-Py-Pyrr$ 75 $1/4$ $0tz-Py-Pyrr$ 35 x 2 $h/e x 2$ $Py-Pyrr x 2$ 50 & 70 $3/4"& 1/16$ $0tz-Py-Pyrr x 2$	
	51.82	70 cuts 50 55 1/8 Py-Pyrr-Cal 30 x 2 h/e x 2 Py-Pyrr 80 & 25 1/8 & h/e Qtz-Py-Pyrr x 2 60 x 2 & 30 h/ex2&1/8 Py-Pyrr&Qtz-Py- Pyrr Pyrr	
		40 & 50 h/e Py-Pyrr x 2 176 $35 & 40$ h/e x 2 Py-Pyrr-Cal 1 $80 x 2 & 70$ $1/8x2&1/16$ $0tz-Py-Pyrr-Calx2$ 1 $40 & 80$ $1/2 x 2$ $0tz-Py-Pyrr-(Pbs)$ 1 50 $1/8$ $0tz-Cal-Py-Pyrr$ 1	.6
	54_88	$\begin{array}{c} 70 \times 2 & 45 \times 31/8 \times 2 - h/e \times 3 & 0 \\ 1/2 \times 2 & 80 & 1/2 \times 2 & 1/4 \times 2 & 0 \\ 1/2 \times 2 & 80 & 1/2 \times 2 & 1/4 \times 2 & 0 \\ 1/2 \times 2 $	
		$50 \& 60 \times 3$ $1/8\&1/16x3$ Py-Pyrr-Cal-Ch1x3 80 $1/4$ $0tz$ -Py-Pyrr $80 \& 40$ $1/8 \& 1/16$ $0tz$ -Py-Pyrr x 2	
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
			.6

)

						re-sevel-on tradition							Ara	AX oi Kitsal	FCANADA LIA JLT MINE	AITED	
	SEC LAT DEP AZI DIP ELE	TIO TIU ART MUI Y: VAT	N: DE: JRE: H: ION:						COL COM COP	LAPED PLETE NE SIZ): ID: ZE:		DIAMO	ND DIP T LOGGE DATE	RILL RE	CORD : REMAR	H C
معموليها ومستهي	• • • • • • • • • • • • • • • • • • •		R00	CK I	YPES	S ANE	ALTERAT	ION	GR#	PHIC	LOG			MINE	RALIZATION AND STRU	JCTURES	
tz.	lag	(-Spar	lafics	Accessories	fexture	lardness	Rock Name Appearance		Depth (m)	Rock Type	Alteration	Structure	Angle to Core of Axis	Width Of Vein	Mineralization and Faulting	Remarks	
		×.		-	-								80 & 50 80 x 3 80x3 & 40x2 80 & 20 & 60	1/8 & h/e 1/4&1/16x2 1/4&1/8&h/e 1/4x2 & h/e	Qtz-Py-Pyrr x 2 Qtz-Py-Pyrr x 3 Qtz-Py-pyrr-Calx5 Qtz-Py-Pyrr x 3		-
							-						20 x 3 40 & 80 80 x 2	1/16 x 3 1/8 & 1/4 2"	Py-Pyrr-Chl-Calx3 Otz-Py-Pvrr Qtz-Py-Pyrr x 2	80° cuts 40°	
	999-2002 ave 1 700		ц р							8			85 80 x 2 50 x 2 80 x 3 50 & 40 x 3	l" 1/8 x 2 h/e x 2 1/4 & 1" 1/4&h/ex3	Qtz-Py-Pyrr Qtz-Py-Pyrr x 2 Cal-Chl-Py x 2 Qtz-Py-Pyrr x 2 Qtz-Qtz-Cal 40° cut 50°		to an anna an anna Anna anna Anna anna ann
													30 & 60 x 3 80 x 2 45 & 80 x 3	h/e x 3 1/8 x 2 1/4&1/8x3	Cal-Chl-Py Qtz x 2 Qtz-Cal-Py-Pyrrx4	1	
			200 miles **	1 1					64.0				80 & 60 50 & 80 80 & 70 40 50 & 65	1/8 x 2 1/8 & 1/4 1/4 x 2 1/2 1/16 x 2	Qtz-Py-Pyrr-Calx Qtz-(Py-Pyrr-Cal x2 Qtz-Py-Pyrr-Calx Qtz-Py-Pyrr Qtz-Cal-Pyx2 500 ruts 650	2 2 2 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	
				4 			Lamproph	yre Dyk	<e ~</e 				80 55 × 2 70 90 × 2 30 ¥ 70	1/8 & 1/10 6" 1/4 & 1/10 1/8 x 2	6 Py-Pyrr-Chl-Calx Dyke 6 Otz-Py-Pyrr-Calx Otz-Cal-Py-Pyrrx	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

-

)

 \bigcirc

Page <u>7</u> of <u>17</u>

OLE NO: 80-2 MATM NO: M-163

and a second second



	<u> </u>	АЛЛАХ OF CANADA LIMITED KITSAULT MINE								
SECTION: LATITUDE: DEPARTURE: ASIMUTH:	COLLAFED:	DIAMOND DRILL RECORD DIP TESIS: LOGGED BY:								
ELEVATION: LENGTH: ROCK TYPES AND ALTERATION	GRAPHIC LOG	DATE LOGGED: MINERALIZATION AND STRUCTURES								
QEZ. Plag K-Spar Mafics Accessorit Texture Hardness Rock Name Rock Name	bepth (m) Kock Type Alterati Structur	Angle to Width Mineralization Remarks Core of Axis Of Vein and Faulting								
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$								
	70.12	$75 \& 55$ $1/8 \& h/e$ $Qtz-Cal-Py-Pyrrx2$ $50 \& 70$ $1/8 \times 2$ $Qtz-Py-Pyrr-Calx2$ 45 $1/4$ $Qtz-Cal-Py$ 70×2 $1/16 \& h/e$ $Qtz-Cal-Py$ 50×2 $2" \& 1"$ $Qtz-(PY-Pyrr)-Cal$ 50×3 $h/e \times 3$ $Cal \times 3$ 80×2 $1/16 \times 2$ $Cal - Py - Pyrrx2$								
	73.17	$\begin{array}{cccccccccccccccccccccccccccccccccccc$								

-<u>-</u>----

Page <u>8</u> of <u>17</u>

ICLE NO: 80-2 TLAIM NO: M-163



	AMAX OF CANADA LIMITED
	KITSAULT MINE
	DIAMOND DRILL RECORD
SECTION: LATITUDE: DEPARTURE: AZIMUTH: DIP: ELEVATION: LENGTH:	COLLARED: COMPLETED: COMPLETED: CORE SIZE: DATE LOGGED: MINEDALIZATION AND STRUCTURES
ROCK TYPES AND ALTERATION	GRAPHIC LOG -
ttz. Hag (-Spar Accessories Accessories Rack Name Rock Name Appearance	(m) Angle to Width Mineralization Remarks Angle to Width Angle to Core of Axis Of Vein and Faulting
	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
	82.32 70 1/8 Qtz-Cal-Py 40 1/4 Qtz-Cal-Chl (epid) 70 1/16 Py-Pyrr-Cal 70 1/16 Py-Pyrr-Cal × 2 70 & 30 h/e & 1/16 Qtz-Cal-Py 70 & 30 h/e & 1/16 Qtz-Cal-Py 70 & 30 1/4 3 1/16 Qtz-Cal-Py 70 & 1/4 3 1/16 Qtz-Cal-Py-Pyrr- Smaller core fragments 75 & 70 × 2 1/831/16×2 Qtz-Cal&Py-Pyrrx2
	65 & 35 × 2 1/8&h/ex2 Qtz-Py-Pyrr × 2

-

)

)

, <u>)</u>

Page 9 of 17

OLE NO: 80-2 LAIM NO: M-163



ALLAX OF CANADA LIMITED

KITSAULT MINE

DIAMOND DRILL RECORD

LATITUDE: DEFARTURE: ATIMUTH: DIP: ELEVATION: LENGTH:	COLLARED: COMPLETED: CORE SIZE:	DIP TESIS: LOGGED BY: DATE LOGGED:		CODE ASSANS	ESTIMATED
ROCK TYPES AND ALTERATION	GRAPHIC LOG	MINERALIZATION AND STRUCTURES	e ry (%)		SULPHIDES
Qtz. Plag K-Spar Mafics Accessori Texture Hardness Rock Nam Appearam	Depth (m) Nock Typ (m) Alteration Valteria Value to Core of Yric	Width Mineralization Remarks of Vein and Faulting	Footag Blocks Recove	Sample No.	PDS Zris Py Po
	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$1/8 \times 2$ $Qtz-Py-Pyrr-Pbs \times 2$ $1\frac{1}{2}$ "&h/ex2 $0tz-Py-Pyrr(Cal)$ &Calx2 $h/e \times 3$ Cal $\times 3$ $h/e \times 4$ Cal $\times 4$ h/e $0tz-Cal$ $10^{"}$ $0tz-Sph-Pbs-Py-Pyrr$ $1/8 \times 2$ $Py-Pyrr-Cal \times 2$ $2"$ $0tz-Py-Pyrr$	287		.8
Dyke 4 Fine Grainet Redish Aplite Dyke? (Hornfels	$ \begin{array}{c} 88.41 \\ 20 \& 30 \times 2 \\ 70 \\ 45 \times 3 \& 60 \\ 70 \times 4 \\ 80 \times 4 \& 5^{\circ} \\ 50 \times 3 \\ \end{array} $	$1/4x2\&1/2$ 1" 99 $Qtz-(Py-Pyrr)$ Gouge $Qtz-Py-Pyrrx3&Qtz$ Stockwork of Qtz veins $1/8x3\&1$ " $Qtz-Py-Pyrrx3&Qtz$ $h/e \times 4$ $h/e \times 5$ 99Cal x 4 Cal-Py&Cal-Gouge Cal x 3-(Py)-May be Hornfels	296		.6
	$\begin{array}{c} 91.46 \\ 50 \times 4 \\ 35 \\ 60 \times 2 & 45 \\ 50 & 60 \times 2 \\ 50 & 45 \times 4 \\ 45 \times 5 & 10 \\ 7 & 5 \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	307		

94 FT

)

Fage 10 of 17

HOLE NO: 80-2 CLAIM NO: M-163

AMAX OF CANADA LIMITED

KITSAULT MINE

().

)

DIAMOND DRILL RECORD

SECTIO:	S:									
LATITU DEPART AZINUT DIP: ELEVAT LENGTH	DE: URE: H: ION: :		COLLAPED: COMPLETED: CORE SIZE:		DIP LOGO DATE	IESIS: ED BY: LOGGED:	REMARKS :		CORE ASSAYS	
	ROCK TYPES AN	O ALTERATION	GRAPHIC LOG		MINE	RALIZATION AND STRUCTU	RES -	(%)		SULPHIDES
Quz. Plag K-Spar	Mafics Accessories Texture Hardness	Rock Name Appearance	Depth (m) Rock Type Alteration	Angle to Core of Axis	Width ; Of Vain	Mineralization and Faulting	Remarks	Pootage Blocks Recovery	Sample No.	PbS ZnS Py Po
				45 x 2 70 x 2 & 45 x 30 & 60 x 2 30 & 45 60 & 20	h/e x 2 2 h/e x 4 h/e x 4 1 99 & 1/8 1/4 & 1/16	Cal Cal x 4 Cal x 4 Gouge & Otz-Py-Pyrr Otz-Py-Pyrr-Cal-Py-				
	Grn 3	Diorite Mod Propylitic AH	07 56	70 x 2 & 30 25 & 40	h/e x 2&1/ 1/8 & h/e	16Cal x 2&Py-Pyrr Qtz-Py&Cal(cuts 25P)				.5.3
			57.00	35 & 50 60 & 70 55 x 2 80 x 3 80 & 70	4" & h/e h/e x 2 1/8 & 1/16 h/e x 3 1/8 & 1/16	Qtz-Py-Pyrr&Cal Cal-Py-Chl x 2 Qtz-Cal-Py-Pyrrx2 Cal x 3 Qtz-Cal-Py x 2 Chl Py Cal x 2		325 5		
		1		70 <u>\$ 60</u> 35 <u>\$</u> 70 30 <u>\$</u> 80	n/e_x 2 1/8 x 2 1/8 & 1/16	Qtz-Cal(Py-Pyrr)x2 Qtz-Cal(Py-Pyrr)				.42
				40 & 60 & 30 70 & 40 & 60 40 70 × 3 & 65) 1/8&1/163h 1 1/8 99x2& 1/8 99 x 2 h/ex3&1/98	<pre>/e Qtz-Cal-Py-Pyrrx2 & Cal - 1/8Gouge x 2&Qtz(Py- Cal) Gouge 34 Calx3&Qtz-Cal(Py- </pre>		335		
			103.6	40 50 x 2 70 x 3 50	1/4 99 1/16 x 2 h/e x 3 1/8	Pyrr) x 2 Gouge Otz-Cal-Py-Pyrrx2 Cal x 3 Otz-Cal-Py-Pyrr				

Page 11 of 17

HOLE NO: 80-2 CLAIM NO: M-163

			 Sa sum no lutte 	, is been gr	an a	<u></u>		arin 9 an	Refer in a Martin of Martin Providence	ARA		OF	CANADA LIM	are the lat	
										ŀ	(ITS	AU	lt mine		
	SPETTON								DI	ΑΜΟ	ND	DF	RILL REC	CORD	HC CI
	LATITUD DEPARTU AZIMUTE DIP: ELEVATI	E: RE: C:				COLL COMP CORE	ARED: PLETED SIZE	<i>‡</i> 				DIP TE LOGGEE DATE I	STS: DBY: LOGGED:	REMARKS	:
	an a	ROCK I	TYPES	AND	ALTERATION	GFA	PHIC L	.0G				MINER	ALIZATION AND STRUC	TURES -	
LZ.	lag -Spar	afics ccessories	exture	lardness	łock Name Appearance	Depth (m)	Rock Type	Alteration Structure	Co	Angle to re of Axis	Widt Of Ve	h ein	Mineralization and Faulting	Remarks	
÷	~ ×	W V							45 45 60 70 75	x 2 & 70 x 4 & 70	1/8 x 3/4" 1" 99 1/8 x 1/8 x	2 & 1" 4 2	Qtz-Cal-Py-Pyrrx2 Qtz-Py-Pyrr-Cal Gouge&Qtz-Py-Pyrr Qtz-Cal-Py(Pyrr)x4 Qtz-Cal-Py x 2	-	
					-				70× 50 80 70	2 & 60x2 & 60 x 3 x 3	1/16x3 1/16 > h/e x 1/8&1,	38174 < 2. 3 /16x2	tz-Cal-Py(Pyrr) x4 $tz-Cal(Py) \times 2$ Cal-Chl x 3 $tz-Cal(py) \times 2$		
ALL						106.7			50 80 50 60 70	x 3 & 20 & 30 x 6	1/8 1/4&h 1/8 & h/e x 1/8x2	/ex2 h/e 2 -h/ex4	Qtz-Cal-Py-Pyrr Qtz-Py-Pyrr-Cal& Cal Qtz-Py(Pyrr)&Cal Cal x 2 Qtz-Py-Pyrr-Calx2	Blacky Coro	
						100	75		80 70 80	x 3 & 70 x 2	1/8 h/e × 1/4	3	&Cal-Chlx4 Qtz-Cal Chl-Cal-Py x 3 Qtz(Cal-Py)&Calx2	Blocky core	ngenaam vijite sjoed water in de meer fakter, of
					anno - Salanno an Ingo Angalang Gagang Salah Salah Luno ang	103.			80 70 80 60 80) & 70 x 2) x 3) & 60 & 70) x 2 & 40 x	1/4&1 h/e > 1/4&1 1/4 2 h/e >	1/16x2 x 3 n/e&1/8 x 4	Qtz-Cal-Py-Cal Cal x 3 3 Qtz-Py x 2 Qtz-Cal-Py-Pyrr Cal x 4 Cbl-Cal x 3	Blocky Core	
									7(6(8)) & 40 x 2) & 70) x 3	n/e 2" & h/e	1/4 x 3	Qtz-Py(Pyrr) x 2 Cal(Py) x 3		

112.80

Page 12 of 17

HOLE NO: 80-2 CLAIM NO: M-163



		АЛЛАХ OF CANADA LIMITED KITSAULT MINE
SECTION: LATITUDE: DEPARTURE: AZIMUTE:		DIAMOND DRILL RECORD
DIP: ELEVATION: LENGTH:	COMPLEIED: CORE SIZE:	LOGGED BY: DATE LOGGED: MINERALIZATION AND STRUCTURES
ROCK TYPES AND ALLEMATION e s s s s s s s s s s s s s s s s s s s	(m) Type cation	
QLZ. Plag K-Spar Mafies Access Textur Hardm Rock I Appea	Depth Bock Alter Strue	Angle to Width Mineralization Remarks Core of Axis Of Vein and Faulting
	115.85	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
		50 $1/8$ $1/2$ & $1/8$ $0tz-Py-Pyrr-Calx2$ 70 & 80×3 $1/8 \times 4$ $0tz-Cal-Py-Pyrrx4$ 65 & 70 $1/16 \times 2$ $Cal-Py \times 2$ 70×4 $1/8 \times 4$ $0tz-Cal(Py) \times 4$ 20 $1/8 \times 4$ $0tz-Py-Pyrr$ $80 \& 70 \times 2$ $1/4$ $0tz-Py-Pyrr$ $60 \& 70 \times 2$ $1/4$ $0tz-Py-Pyrr$ $60 \& 70 \times 2$ $1/4$ $0tz-Py-Pyrr-Calx2$
		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

121.95

Ξ.

Page 13 of 17

HOLE NO: 80-2 TLAIM NO: M-163





		AMAX OF CANADA LIMITED	Paga <u>14</u> cf <u>17</u>
		KITSAULT MINE	
		DIAMOND DRILL RECORD	OLE NO: 80-2 LAIM NO: M-163
SECTION: LATITUDE: DEPARTURE: AZIMUTE: DIP: ELEVATION:	COLLARED: COMPLETED; CORE SIZE:	DIP TESTS: LOGGED BY: DATE LOGGED:	ESTIMATED
ROCK TYPES AND ALTERATION	GRAPHIC LOG	MINERALIZATION AND STRUCTURES	SULPHIDES
z. spar fics cessories ardness ardness ock Name opearance	Jepth (m) Rock Type Alteration Structure	Angle to Width Mineralization Remarks Core of Axis Of Vein and Faulting	PbS ZnS PbS ZnS Sample No. Py Po
		80 & 70 x 2 $1/16 x 3$ $Qtz-Cal-Chl-Py-$ Pyrr x 260 & 70 $1/16 x 2$ $Qtz-Chl-Cal-Pyx2$ 65 & 70 $h/e x 2$ $Chl-Cal-Py x 2$ 65 x 70 $h/e x 5$ $Cal-Chl-Py x 5$ 60 x 5 $h/e x 2$ $Qtz-Cal-Py-Pyrrx2$ 5 & 70 $h/e x 2$ $Qtz-Cal-Py-Pyrrx2$ 5 & 70 $h/e x 3$ $Qtz-Cal-Py-Pyrrx2$ 80 & 70 $1/8 \& 1/16$ $Qtz-Py-Pyrr-Calx2$ 80 & 60 x 3 $h/e x 3$ $Chl-Py-Pyrr x 3$ 60 $1/2$ inchLamprophyre Dyke60 & 70 x 2 $h/e x 3$ $Chl-Py-Cal x 3$	406
4 Lamprophyre Dyke Diorite	Mod Prop	80 & 50 x 3 60 & 50h/e x 3 1/2 x 2Ch1-Ca1-Py-Pyrrx4 Qtz-Ca1-Py&Qtz- mafic needles Qtz-Py-Pyrr Qtz-Ca1-Py-Pyrrx3Dyke is Olive Green color - a few Small Phenocrysts of Plag Broken Core60 50 & 40 x 21/4 1/16&h/ex2Qtz-Py-Pyrr Qtz-Ca1-Py-Pyrrx3Dyke is Olive Green color - a few Small Phenocrysts of Plag Broken Core70 x 3 60 x 3Qtz h/e x 3Qtz-Ca1-Py Cal-Py-Pyrr x 3Z" Silicious Zone (needles of Mafics)70 x 3 60 x 3h/e x 3Cal-Py-Pyrr x 3Discon. veins of Py-Pyrr	
Dyke Lamprophyre Dyk Olive green	28.05 (ce	60 $1/8$ $Qtz-Cal$ Calcite vein (hareline) stock work 50×4 $h/e \times 4$ $Cal \times 4$ $Cal(Py-Pyrr) \times 2$ Plag Phenocrysts range in size up to 1 cm 50×2 $1/16 \times 3$ $Cal(Py-Pyrr) \times 2$ Plag Phenocrysts range in size up to 1 cm 20×3 $1/16 \times 3$ $Cal(Py-Pyrr) \times 2$ Plag Phenocrysts range in size up to 1 cm 60×2 $1/8 \& 1/16$ $Cal(Py-Pyrr) \times 2$ Broken Core $50 \times 6 \& 60$ $h/e \times 7$ $Cal \times 7$ Broken Core	427

)

an a	AMAX OF CANADA LIMITED
	KITSAULT MINE
	DIAMOND DRILL RECORD
SECTION: LATITUDE: DEPARTURE: ALIMUTE: DIP: ELEVATION: LENGTH:	COLLARED:DIP TESTS:REMARKS:COMPLETED:LOGGED BY:CORE SIZE:DATE LOGGED:
ROCK TYPES AND ALTERATION.	GFAPHIC LOG MINERALIZATION AND STRUCTURES
.z. Lag -Spar afics ceessories exture lardness lardness Appearance	(E) and by and b
Green Block Lamp. Dyke	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Reddish Pink Black - Lamp.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Red. Lamp (Hornfels? Black Lamp.) 60×3 h/e x 3 Cal x 3 70 1/8 Calcite 70 80 & 65 h/e x 2 Cal x 2 20 & 30 1/16 x 2 Cal x 2 $1/16 \times 2$ Cal x 2 $1/16 \times 2$ Cal x 2 $1/16 \times 2$ Cal x 2
Diorite Black Lamp Dyk	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
(Hornfeis?)	140.24

·~`\

 \mathbb{C}

N.

Page 15 of 17 OLE NO: 80-2 LAIM NO: M-163 ESTIMATED SULPHIDES CORE ASSAYS (%) Recovery Footage Blocks PbS ZnS Sample No. Py Po WO3 MoS2 Ag 98% 437 0.02 0.001 0.01 80009 95% 447 .1 .05 455 60% 3. 14 .2

.

ARAAX OF CANAE LIMITED KITSAULT MINE DIAMOND DRILL RECORD

								0.2 0.2 0.2	1.221 21212 21212	2 2 2 2 2 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3			DIF I Logge Date	ISIS: DET: LOGFED:	FELFIZ:
JEZ .	rlag.	K-Spar	Bafics W.	Accessories 21	Pextante 0	Hardneaß 2	Rock Name Appearance	Depth (m)	Rock Type	Alteration 65	Structure	Angle to Core of Anis	VINER Width Of Vein	ATIZATION AND STRU Mineralization and Faulting	CITES - Remarks
												80 40 × 3	1/4 h/e-x-3	Qtz-Py-Cal Cal x 3	'S' Grand Grand Core
	 A set and statement is shown in the statement of a set and se Set and set and set						Lamprophyre Dyke	143.	29			45 x 2 10 45 x 100 30 x 1ots	1/8 & 1/16 3 4" ħ/e x 100 ħ/e x	Qtz-Cal x 2 Silicious Zone diss Py 100's of hairline fract-Cal Cal-Qtz	1 cm Qtz frag-included in Dyke
							Lamprophyre Dyke Hornfels? Black Fragments	146	.34			30 · x lots 5 x 3	hairline x 1/16 x 3	Calcite-hairline filled fract Cal-Py x 3-	Could be intrusive sed. contact - very difficult to drill - 10-20% core reco
		1			1		:	149	: - - 39 - 6					š	recorvered

)



AFAA COFCANADA LIMITED KITSAULT MINE DIAMOND DRILL RECORD

SECTION: MATITUDE: DEPARTURE: ALIMPTE: DIE: ELEVATION: LEVATION:			C 0 1 2 0 1 2 0 2 2 7	LAFED: PLETEL: E SIZE	: :		DIP I LOGGE LATE	ESTS: D BY: 107551:	EEL-ELS:
ROCE	. TYPES ACO	ALTERATION	GEA	PHIC	0G		MINES	ATTENTION AND SERU	OTTRES .
-		a ante	(m)	ype.	t ion ure				
QUZ. Plng K-Spur Naficu	Ассевно Тех Епге На гопее	Rock Ne Appear	bepth	Rock 'r	Altera Seruct	Angle to Core of Amis	Width Of Veia	Mineralization and Faulting	Remarks
									Fragments less than 1" Py (Pyrr) on fractures
			152.4	4					
		Mixed Zone of Lamprophyre Dyke				70 65 & 45	1/16 1/4 x 2	Cap-Py Qtz-Py-Pyrr x 2	65 ⁰ cuts 45 ⁰
		dnu_==0=111 e+5	55 /						
		Hornfels (Dyke?) Reddish fine grained				75 & 25 80 & 70	1/8 h/e	Qtz-(PY-Cal) x 2 Cal x 2	75 ⁰ cuts 25 ⁰
		End of Hole							
	•		10	с л		•			• •

158.54

)

Bage <u>17</u> of <u>17</u>

ETTE NC: 80-2 CLATE NO: M-163



DRILL HOLE 80-2

 $\left(\right)$

Ć

(

.

Abbreviations - H C C	h/e - h h/a - C h/z - Q	airline Py alcite Pyr Wartz dis	- Pyrit r - Pyr s - dis	e rhoti semina	te atted		ARA			CEED
F	Flt - F	ault Chl	- Chlo	rite				RIT54		
] 4 <u>2</u> (3)	5 E						1000	PHI PT	O O R D
	10610 Vent -900 673.1 197.1	u N icle 18m 25 m				May I May I N.Q.	5, 1980 9, 1980		11919: 197.26m - 27 121 97: G.D. Smith 2 119721: May 6 - Ma	1.13 1 FELEFIS: Dri Log Log 23, 1980 2.0
E DOEL T	115 41								FRANCIACIÓN AND SIR	COURTS AND
		baner. Frank	(m)	, Alte	10110		- - - -	• • · · · · •		·
рых. Рады Кантери Алесия Алесия		North Appea	i terja Lin	ألا ومدر أف	A H 0.1	ant ta	: Angle it Jore of Aris	Middii 15 Meith	llineral losifon and Coulting	3+511 s
10 60 5 20 5 G Prty Py Altd Cal to Ser.	rn 3 4	Diorite Mafics (Biotite partly altered Sericite - Rock is dark green.	e) to		WM		30 & 20 10 & 60 20 & 45 10 & 20 20 & 60	h/e & 1/S 1/4 & 1/16 h/e h/e x 2 1/32 & 1/8	Cal x 2 Otz-Cal & Cal Py&Cal Py-Cal Py&Cal (Pyrr)	<pre>10' of over burden - 1-2% diss. pyrite -Sections less alt'd - 6" - lengths</pre>
Cnl.			6.10	V X	W		20 x 4 40	h/e x 4 1/4	Cal x 4 Qtz-Cal	2"-bleached zone around Qtz-Cal-Vein
15 55 5 20 5 Eio Enbld. 10 Gr	Sil 4		- ·		Med B	Тоскј	5 & 60 20 & 10 10 & 20 20 70	1/2 & 1/8 1/16 & h/e 1/4 x 2 1/8 1/8 99	Cal-Qtz- x 2 Cal x 2 Qtz-Cal-Py x 2 99 Flt	Diss. Py & Pyrr
			. 9.15	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						
5 50 5 35 34	4	Diority Marios a an					, 45 30 8 45	1/4 h/e x 2	99 Flt Cal x 2 -	Rock competency increases
		. (un the post cart.			Weak		50 40 55	1/8 -1/16 1/16	(tz-Cal Py & Mafics Cal-Py-Trace(Pyrr)	2'-3' - Solid pieces
								•	- · ·	

-

7aga <u>1</u> 15 <u>22</u>

HOLE VI. 80-1 TLAT VI. M-163

- - . .!

. .

ill collared on the "East Lobe" - Diorite o Scale 1:60m OBm of core split every 30.49m: assayed for Ac.MoSo...03 1977 APEL PREMIER CORE AREANE Косологу (Х) . : Electric angles Electric en electric electric en electric PpS InS . ----Starle No. P_V Ξo -10 12 17 -----21 1 .05 : - -NENE 1 27 2-3% .1 37.... ÷ 1

. [.]

										-			
-										DIANO	ND D.	RILL RE	
	1 EF 2 F.1 2 I I S 1 1 1 I S 1 2 I S 1 3 I S 1	· · · · · ·			-						213-1 11733 1478	12813: 11 27: 11 7722:	
		• •		سيني ۽ سيني ۽				123		· · · · · · · · · · · · · · · · · · ·		911141119 467 STR	
			яног бтв цке	515+11	Manue a Gance	(m) n	odA].	111, É (11)					
		nul i	ACCO Trest	0.1321	and water	hilit	Rock	VIL		<pre>ingle to Core of Ander </pre>	vieta (CE Vale (Moerilization eni Caulting	Jesztys
	• • • • • • • • • • • • • • • • • • •		·, · · · · · · · · · · · · · · · · · ·				5.7	······································	· · · · · · ·	60 30 & 40 20 50 x 2 45 & 35	h/e 1/8 x 2 1/4 1/16 x 2 1" & 1'	Cal-Py Qtz-Cal-Py x 2 Otz-Cal-Py(Pyrr) Cal-Py x 2 Otz(Cal) & Sil. zone-Qtz vein	Brownish-Tinge (Biotite)
						15.2		•	· · · · ·	50 & 65	3/4" & 1/16	Otz-Py	-increase in pyrite xtal size up to 2 mm.
		- 	•					•		35 40 30	h/e 1/8 1/8	Py-Cal Otz-Cal-Py Qtz-Py	Py & diss. Pyrrhotite
		•	•			• •				45 & 50 45 & 20 30 & 25	1/16 & 1/8 1/16 x 2 1/16 x 2	Ctz-Cal-Py x 2 Otz-Cal-Py x 2 Otz-Cal-Py	
15	50 5	19 Bio 15 Hnbi	1 Gri d	n 4	Diorite	18.29		Weak to Mod		40 20 & 40 40 35 30 × 3	h/e h/e x 2 1/8 1/2 h/e x 3	Py-Cal Py-Cal Cal-Mafics (Py) Otz-Py Py x 3	Diss-Pv-Pvrr
5	55 5	4 19			<u>.</u>			• • • •		40 20 & 10 35 & 45	1/8 1/2 & 1/8 h/e x 2	Otz-Cal Otz(diss-Py-Cal) Cal x 2	Solid Core 2'-3' lengths

and the second



2 : 22

DIAMOND DRILL RECORD

SE 11 101 24 LATI 101 24 L SPARTORIZA		
AICTIE: 119: El2"AILDI: 12"372:	2011-49EI: 1942-1812: 2012: 8105:	117 12513: 119211 13: 1472 11921:
ROPOTYPES AND ALTERATION	GEARHID 199	MICERALIZATIN AND STRUCTURES
r an rúc a Na an rúc a Na an c	(m) Type at ion	
et a. Plag Flag Koeg Roek Roek	Bepth Bock ATree Struc	Angle to Width Viveralization Reparks Cira of Ania 15 Vein and Faulting
Biotite has reddish hue	Prop Sil	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Slight increase by 2-3% Ch12	27.44	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Dyke Fine grained (green)	DX 2	401/16Py-Ch1-Cal20 x 2h/e x 2Py-Cal x 2351'Qtz vein-with- massive pads - sheared along contacts of Py351/2(Pbs-Zn?-Cpy) Pv-Galena-Zn?-Cpy Ag?
Diorite	30.43	30 3.5"-5" Massive sulphide vein at contact of dyke H.W. & Otz vein F.WPbs-Py-Zn? Solve 2 h/e 2al-Py Py & (Cpy)



Je 3 75 22

ABANNÉ CERÉRA LIMERA

KITSAULT MAE DIAMOND DRILL RECORD

SECTION: 14010074: 1204077781: 200407781: 100747112: 100747112: 120747112:	00114781: 0 4244782: 0078 8118:	LIP IDID: LIP IDID: LATE LORDEL:	i Reilesos :
POTR TYPES AND ALTRATION	GF4FX10-100	MINEFALIDATION AND STRUCTURES	
Quat Play Cospar Nafica Acceasurien Texture Racheas Rock Bane Appearance	pepth (a) Rock Type Alteration Structure	Angle to Width Mineralization fore of Axis Of Vein and Faulting	Fezeria
20 55 5. 19 1 Grn 4 Bio Py Red Brown Tinge	Weak to Mod	45 h/e Py-Cal 45 & 30 h/e 2 Py-Cal(Ch1)x2 55 1/2" Qtz(Py) 20 h/e Py Py-Cal x 2 40 & 45 h/e x 2 Py-Cal x 2 30 x 2 h/e x 2 Py-Cal x 2 25 x 2 h/e x 2 Py-Ch1-Cal x 2	
	M Weak Prop	40 $1/2$ $0tz$ (Py) $10 & 40$ $1/8 & 1/4$ $Cal-Py-& Py$ 35 $1/2$ $0tz-Py-Cal$ $20 & 35 & 40$ $h/ex2&1/4$ $Calx2&0tz-Py-Cal$ 40×2 $h/e & 1/16$ $Py-Cal \times 2$ 45 $1/16$ $Py-Cal$ 45×2 $h/e & 1/16$	
Decrease in Diss Py	Weak Prop	35×3 $1/8 \times 3$ $(tz-Py(Cal) \times 3)$ Very so 45×2 $1/8 \times 2$ $0tz-Py-(Cal) \times 2$ Very so $35 \& 25$ $1/8 \times 2$ $0tz-Py-(Cal) \times 2$ Core 3' $1/8 \times 2$ $0tz-Py-Pyrr-Cal \times 2$ $0tz-Py-Pyrr-Cal \times 2$	id lengths
	39.63	20 & 35 1/8 x 2 (tz-Py-Cal x 2 - Almos	Diorite



E 15 15 80-1 Martines N-163

7 4 22

AFIAN OF CHARMED

KITSAULI MINE DIAMOND DRILL RECORD

			OTANO.	IYU U	L V E Luni Inni L V Trom	
lating et						
189480182: 417674: 122: 122: 12040100: 120302:	00114320: 201712060: 2032-3122:			2 ID 10 23 1415	TESTS: ED ET: 1097EL:	100 <u>775</u>
ROGE TENES A.C.	ALTERATION GRAPHIC LD		•	<u>NT:E</u>	PALITATION AND SIRU	CTURES
Qtz. Ptag K=Spar K=Spar Accessor Texture Itardnesr	Rock Ban Appeara Depth G Rock Ty		Angle IO Time of Amis	Width Of Vein	Mineralization and Faulting	Rezerks
20 55 5 19 1 Grn 4	Diorite \\		20 x 2	1/16	Py-Cal x 2	-
Py			35 & 30 35 & 30	1/8 x 2 1/16 & 1/8	Py-Cal(Qtz) x 2 Py-Cal(Qtz) x 2	
			30 55 x 2 ⁻	1/16 1/4 x 2 -	Py-Cal(Chl) Py(Cubes)&Qtz x 2	
	42.68		50 & 20 55 & 20 30	1" & 1/16 1/8 & 1/16 1/16 1/8 & 1/16	Qtz(Py) & Py Qtz-Py & Py-Cal Py (Cal) Py-Pyrr-Coy?-Cal	Later Py vein cuts Qtz-Py @ 20 ⁰
			20	1/8	Cal (Py)	
Decrease			45 30 x 2 20 45	1/8 1/8 × 3 1/8 1/4	Qtz-Cpy-Cal Qtz-Py-Cal x 3 Py-Qtz-Cal Otz (Py)	
10- 15% Bio	48.78	ak to od	10 & 25 20 & 45 x 2 20 & 10	1/2 & 1/8 1/4&1/8x2 1/16 x 2	Qtz-Py-Pyrrhotite Qtz-Py-Pyrr&Qtzx2 Cal-Py x 2	

18.1.5.1 22

EDIF 2004 8041 CLAIR NI: M-163



DIAMOND DRILL RECORD

	III I I I I I I I I I I I I I I I I I					:: :::::::::::::::::::::::::::::::::::							
			t alterite		:3710	100		•		BALTIATION ATT STEL	077723		
·	aat ieu vagorieu	Lure Iness	e Manee earanse	t.h (m)	ads., a	eration	ucture						
	K-51 March	Text Hare	kook	191	, 11 J	ALE	507	Angle to Core of Axis	CE Vela	Minerelization : and Faulting	F 2027/15		
		3			ンシン			30 & 40 25 x 2 55 x 2 55	1/16 x 2 1/16 x 2 1/8 x 2 2"	Otz-Py-Cal x 2 Py(Chl-Cal) x 2 Otz(Py)(Pbs) x 2 Otz(Py)	-		
				51.82	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Weak Prop	1	25 45 & 20 45	1/4 1/8 & 1/16 1/4	Qtz-Py-Cal Qtz-Py&Py(Chl) Qtz			
		4				Weak to Mod		20 30 x 3 50 35 x 2	1/4 1/16 x 3 1/2" & 1" 1/8 x 2	Qtz-(Py) Qtz (Py) x 3 Gouge & Qtz-Py Qtz-Py-Pyrr-Calx2	Diss Py-Pyrr Grnd 2" of core.		
				54.83	· · · · · · · · · · · · · · · · · · ·			45	1/2				
			e - La Brenne - La		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Weak Prop		40 & 35 35 & 30 35 x 2 20 & 30	1/8 x 2 1/8 x 2 1/8 x 2 1/8 x 2 1/16 x 2	Qtz-Py(Pyrr) Qtz-Py-Pyrr x 2 Qtz-Py(Pyrr)-Calx Cal&Py-Cal	2		
					N/			20 10 & 35	1/16 1/8 x 2	Cal-Gouge Qtz-Cal-Py	Slicken sides at 50 ⁰ to Gouge surface.		
		, t	: :	57,9	3:						1		



DIAMOND DRILL RECORD

SECCLU LEPART ALEXAT LEPART LEPART	5: 12: 7:22: 2: 103:			1.4751 21372 21372	: 2: 2:			TIP TIP TATE		
	POIR TIFES AN	I ADTERATION			103	1		میں اور	ALLIATION AND STR	POTTRES
qtz. Plag K-Spar	на Гісв Ассеявог Гев Техтиге Нагдиевя	коск Мане Арреагансе	Depth (m)	Rock Type	Alteration	Structure	Angle to Core of Amis	Vieth St Teit	Mineralization ani Faulting	Fletterics
				 \/ \'			45 35 & 10 50 & 35	1/4 1/8 × 2 1/16 & 1/8	Qtz-Py-Pyrr Qtz-Py-Cal x 2 Qtz-Pyrr&Py x 2	Pyrr Py
			• •	-1-			45	1/8	Otz-Py-Pyrr	
							35	1/8	Qtz-Py	
			60.9	-//				•		
	Grn	Diorite		1.1.			45 & 20 25	1/3 & 1/16 1/16	Py-Qtz-(Pyrr) x 2 Cal- Grey-Mangane Zeol?	se
	4		1	1			35	1/2 & 1/8	Qtz-Py-Pyrr x 2	1
			64.02	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Mod		5 40 & 35 90 & 45 x 2 10	1/16 1/8 & 1/16 1/15 1/4	Qtz-Py Qtz & Cal Cal-Py x 3 Qtz-Cal-Py(some ī	Grnd 2" s cubes - increase in Chl?
							40 & 20 40 40 x 2 20 & 30	h/e x 2 1/8 h/e x 2 1/8 & 1/16	Qtz-Cal (Py) Qtz-Cal (Py) Cal x 2 Qtz(Py)&Py-Otz-Ca	-
	Slight Decrease 5%		67.0	-1.	Med		40 & 45 & 20 45 × 2 45	1"&1/8&h/e h/e x 2 1/4	Qtz(Py-Pyrr) x 2 Qtz-Py x 2 Qtz-Cal-Py	



Foga <u>7</u> = 22.

ATTACK OF CRUZA LINE 20

KITSAULT EINE

DIAMOND DRILL RECORD

SECTION: LATINUE: DEBLETTE:		DIAMOND DI	RILL RECORD				
AINTIE: 117: 117: 117: 117: 117: 117: 117: 11	00114720; 204712720; 2042 \$122;	117 TESTS: 1. : 1197EL 57: 14TE 1197EL:					
ROUR TYPES AND ALTERATION	TRAFHIC 100		AZIZAZION AND STRUCTUPES				
z. Spar Spar Fics retues rduess ek Manue pearance	pth (m) ek Type teration ructure						
Ac Ra Ac Ac	ALL Roa	Angle to xicta Core of Amis Of Tein	Anteralization Remarks and Faulting				
Occasional White Phenocryst of Qtz ground mass greener (Chl)	s Mod	45 x 3 h/e x 3 40 & 45 1/16 x 2 45 x 3 1/16 x 3	Cal x 3 Otz-Py-Pyrr& Cal Qtz-Cal-Py-Pyrrx3				
	70.12	40 x 2 & 45 1/16 x 3 40 1/16	Qtz-Cal=Py x 3 Qtz-Cal				
Ground mass is quite dark (Ch1)	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	45 x 2 & 50 h/e x 3 45 x 2 h/e x 2 40 1" 45 3 20 x 2 1/162h/ex2	Py-Pyrr&Ch1&Ca1x2 Ch1-Ca1-Py x 2 Qtz-(Py-Galena- Spha1-Ca1) Qtz-Py-Ca1-x 2				
	73.17	45 x 3 1/16 x 3 45 x 3 1/16 x 3 45 x 3 & 25 h/e x 2	Qtz x 3 Qtz(Cal-Py) x 3 Cal x 3 & Qtz				
		40 x 3 & 15 h/e x 3 70 & 45 h/e x 2 60 & 25 1/8 45 x 3 1/16 x 3	Cal(Py) x 3 Py-Cal x 2 Qtz-Py x 2 Otz-Cal(Py) x 2				
		45 x 3 1/16 x 3 45 x 2 1/8 & 1/16 40 x 3 1/16&1/8x2	Qtz-Cal(Py) x 3 Qtz-Py-Pyrr (Cpy) Alt's mafics around Qtz veins Qtz(Py-Cal) x 3 -have brown red tinge.				
H	10.29° , N						

I 4 5 8 55 22

BILT DO: CLAIM NI:



DIAMOND DRILL RECORD

	: 17775: 487785: 17775: 1777: 1775:			1717.20 10 2012 10 72 3	II : III : III :			- 1177 1277 1277	1175: 1727: 1727:	
an a			T ALTERATION					<u> </u>	ALIATIN AN SIN	
				(m)		5,1				
vis. Plag	and and a	Arcesso Yexture Hardnes	kock Na Appenta	Rook 'V	Alterat	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Angle to Core of Arris	WIEE DE Vein	iliteralication and Pauloing	FETATIS
			Chl decreases				45 x 3 40 x 3 40 x 6&70 x 2 50 x 3&20 x 2	1/16 x 3 1/16 x 3 1/6x6&h/ex2 h/e x 5	Qtz(Py-Cal) x 3 Qtz-Py x 3 Qtz-Py-Cal x 8 Cal-Qtz(Py) x 5	-
			Rock is a lighter color	/			50 40 & 45 x 2	1/8 1/16 x 3	Qtz-Py-Cal Qtz-Cal(Py) x 3	2" - bleached zone around Qtz vein.
			Darker Chl.				60 & 30 30 45 x 3 45	1/16 x 2 h/e 1/16 x 3 1½"	Qtz-Cal x 2 Cal-Py Qtz-Cal-Py(Pyrr]x Qtz-(Py)	3
			Decrease in Chl.			,	45 x 2 & 30 45	1/16x2&h/e 1"	Cal-Qtz(epīd) Qtz-Py(Pyrr)	
			Ground mass is lighter in color	82,32			'45 x 3 45 x 4 40 & 45 x 2 45 x 2	1/16 x 3 h/e x 4 1/16&1/8x2 1/8 & 1/16	Qtz-Cal(Py) x 3 Cal-Py-Pyrr x 4 Qtz-Cal-Py(Pyrr)x Ntz-Cal-Py x 2	3
					1		25 & 30 45 & 20 x 2	1/16 x 2 1/8& 1/16×2	Otz-Cal-P <u>y</u> Otz-Cal-Py x 2	Plag – has grey greasey look

35.37 - 🔨

9 22

HTIE HI: 80-1 TLAIN NO: M-163



CEPTATION FORMAN

DIAMOND DRILL RECORD

	UTION: HARTURE CONTE: P SOUTE: UTE:	:			577 10 10	114867: B18181 82 S128	:			1 IP J 1092 1412	2818: 2 87: 109/22:	FEL-FIS :
ana ang na sa sa sa		en a de la companya en entre de la companya a serie de la companya a serie de la companya a serie de la company en en en entre de la companya a serie de la companya de la companya de la companya de la companya de la company en entre de la companya de la company entre de la companya de la companya entre de la companya		ALTERATION	37.	22223	.03	1			ALIEATION AND STAU	011725
		8.0		-		c	ē	5				
yez. Plag	kabpar Nafies	Ассевног 1 Техциге	1665 4114 451	воск Лаш Арреалани	bepth (m	לא, אסטא	Alteration	10 June 15	Angle co Core of Aris	wiith 15 Veit	Mrerelizztica 275 Faulting	5.e 3 2 7 4. 8
			, 			51			45 x 2	1/8 & 1/16	Qtz-Py-Pyrr-Calx2	
		-	1		1		3		20	1/16	Cal-Qtz	
		4 1	1		¢. 1	12			25	1/2	Qtz-Cal-Py-Pyrr	
						۲			35 & 20	1/8 & 1/16	Qtz-Py-Pyrr x-2	
	anan		1				;		40	ħ/e	Cal-Py-Pyrr	Mafics generally alt'd to Chl
					88.4				25 & 30	1/16 x 2	Qtz-Cal-Py	Hnbld Bio
r agus e, in ann ann	ann, an thainn marchair a feithir rean 1 1		1	an a	00	1			45 & 20 x 2	h/e x 3	Qtz-Cal-Py-Pyrr	
•	1				i . F	N			45 & 20	1/8 &1/16	Qtz-Cal x 2	
					1				45	1/8	Qtz-Cal	
									45 x 2	1/16 x 2	Qtz-Cal-Py	
			-			11			50 & 45	3/4" & 1/2"	Qtz-Py-Pbs&Pyrr& Cal-Qtz	
			1			N			45 x 2	1/16 & 1/8	Qtz-Cal-Py x 2	
		r			91.4	6 1			20 & 45	1/8 x 2	Py-Pyrr&Qtz-Cal	Increase in Chl.
	ыт ынженды н			(a) A second s second second se second second seco second second sec	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					-		
	•		2	Vein-Gouge-Int		>	-		60	7"	Qtz-Py-Pyrr	
	n -	5		Alt'd Zone Diorite			Intens	e		· · · ·		Diss-Py-in Gouge
					1				60	6" 99	Gouge-Diss-Pv-Pvr	
		- 			1				45	1/4	Otz-Py-Pyrr-Pbs	
		1				<u>`</u> /		· .	50 & 35	1" & 1/4	Otz-Pv-Pvrr-Pbsx2	1
1						1					. – u u - – – – –	



ι η τοτική Γ. Γ. Γ. Γ. Γ. Γ. ь. т , 1 1 ند . اه نو _من ۲

DIAMOND DRILL RECERD

a ser	aya nati ya satila		 ::						1.2			911147100 AVI 4191		
.2.19	11-11-1	E Span		sar totsoo W	texture lardness	Rosk Bane Appedizio	(m) (h)god	સ્વર્થ, તુરાવ્ય	Attendent	 ergle to Core of Aris		1.1maralization art Talling		
		a w.					. <u></u> .	いいい		 20 x 2 45 x 2 20 & 30 45	h/e x 2 h/e x 2 h/e 1/16_	Py-Pyrr-Cal-Chlx2 Chl-Py-Cal x 2 Py-Pyrr-Cal x 2 Py-Pyrr-Cal	Ground 6"	-
	~~						97.5			 40 45 & 20 40 & 20	1/8 h/e x 2 h/e x 2	Qtz-Cal Cal-Chl-Py x 2 Cal-Chl-Py x 2		n Na sa
										45 & 20 x 2 20 & 45 30 & 20	1/16 & h/e h/e x 2 1/16 x 2	Py-Pyrr x 2 Cal-Py-Pyrr x 2 Py-Pyrr-Cal x 2		
						Diorite - Very weakly alt'd Maf are fresh	ics	1.1.1	 ; ; ; ;	45 20 x 2 & 35 45 & 50	1/4 1/16 x 3 1/16 x 2	Qtz-Py-Pyrr Cal-Py-Pyrr x 3 Qtz-Py-Pyrr	Bio Hni	old
		• •		۰ میں در بر		Lose green grou mass of chlorit	und te			 20 & 45 45 x 2 20 x 2 45	h/e x 2 h/e x 2 h/e x 2 1/8	Pyrr&Py-Cal x 2 Py-Pyrr-Cal x 2 Cal-Py-Pyrr x 2 Qtz-(Py-Pyrr)		
	2 2 3 3				5		•		-	: .	•	- -		

103.FE

)

11 22

BODE 01: 80-1 TLOTION: M-163



ARANCE STREAM (1997)

KITSAULT LINE

DIAMOND DRILL RECORD

DEULAGAE IATITTE: TEPAPTTE: ATINTTE: IIF: ILENATION: LENATION:	DILLARD: DIVENTE: DIVENTE:		DIP I L.AG LATE	ESIS: 1038: 1038:	5 <u>7. 1</u> 7.12 :
ROCH TYPES AND AUTERATION			MINE:	VALIDATION AND STRU	TITES
Чых Рыв К-Spar Маffes Лесевяо Техture Паrdnes Rock Na Appeara	Dept.h. (Rock Ty Atterat Structy	Angle to Core of Amis	Width Ci Vein	Mineralization and Faulting	Retarks
Weakly alt'd Diorite	Weak	25 45 40 40 20 20 35 & 40 25 × 2	1/16 1/8 1/4 1/8 1/8 1/4 h/e x 2 h/e x 2	Qtz-Py-Cal Qtz-(Py-Pyrr) Qtz-(Cal) Qtz-Hnbld - partly Qtz-(Py-Cal) Qtz-Py-Pyrr Qtz-Py-Pyrr Cal x 2	y replaced by pyrite
		45 15 25 50 & 20	1/16 1/4 8" 1/2 & 1/16	Qtz Qtz(Py-Pyrr) Qtz(Py-Pyrr) Qtz (Py)	Bio - slightly alt'd to drown - in vincinty of Qtz veining. 20 ⁰ vein cuts 50 ⁰ vein
Zone of Hornble needles Lamprophyre Dyk	109.76 Inde	5 & 40 20 & 60 45 4 40 35	1/8 x 2 1/8 1/8 1/8 1/8 1/2" 1 1/1	Qtz-Py-Pyrr-Qtz Qtz Qtz Qtz Qtz-Py-(Pyrr) Dyke	5 ⁰ cuts 40 ⁰

Ć



CETHINA CAMADA NO CARA DA KITSAULT MINE DIAMOND DRILL RECORD 122222722: DIR IISIS: 10.0000 EI: 212: 2ATE 1077ED: 007E 312E: 1212121 MENERALIZATION AND STRUCTURES ELEETO DOG FOR THES AND ALLERATION Alteration л.1, Х.њ. коск Маше Арреаталет (E) llardmen 'h'ext'm'e Ae cession Depth Mafica K-Bpar Rock Remarks Minaralization Width ingle to P Lap, վեշ. and Faulting *CE Vei*z Core of Axis Mod 1 Prop 1/8 Qtz 40 ~ Otz-Py-(Pyrr) 4" 40 1.5 Black-green Lamp Dyke 312" 1-2 mm white pheocrysts - of Plag. Lamprophyre Dyke 50 5⁰ cut by 25⁰ and 20⁰ cuts 25⁰ - 3 stages Otz&Qtz-Py x 2 1/4 & h/e 25 & 5 & 20 1/4&1/2×2 Otz x 3 San Sail 15 x 3 Ţ Otz ~ 1/8 35 45 cuts 15 off. 1/481/8 x 2 Qtz x 3 1 15 x 5 & 45 1 Gouge - Clay 1/2 99 115 Otz-Py(Pyrr) 1/16 45 1, Lamp Dyke 2' 20 Lamprophyre Dyke 118.90 120. Lamprophyre Dyke Qtz 1/2 40 1 Qtz veins displaced by 250 $\sum l$ Otz x 3 1/8x3&h/e99 25 x 4 Flt. ~ Qtz-Cpy 1/4 35 Lamprophyre-Dyke Dyke Contact 30 Otz-Cal 11/8 35 Otz x 3 1/8 x 3

Diorite

101,05

30 x 3

3 age 13 af 22

HILE NI: 80-1 CHAIM NI: M-163



CETIMILLEANAD TO FCANADA LIMITED KITSAULT MINE

DIAMOND DRILL RECORD

			-				ی ایس ایس ایس ایس ایس ایس ایس ایس ایس ای	1 440 7 1 1 1 2 1 2 1 3 1 2	: ::: ::::::::::::::::::::::::::::::::		_	0 IF 2000 2 ATE	IISIS: ED EX: LOGGED:	
يەلەيھەر - مەلىيەرىي	ar y . 		 	TPE	5 A27	D ALTERATION H			LOG E	2	•	MINE	PALIZATION AND SIN	SERUTO:
QUZ.		K-Spar Maf les	Accessor	'l'exture	Пагапевв	Rock Name Appearatue	1. 1. 1. (m)	Rock Typu	Alteratio	Structur	ingle to Core of Axis	Width Of Veit	Mineralization and Faulting	Renarks
						Mixed Zone Diorite Dyke and Some Breccia Silicified Breccia Silicified Breccia cont. Fragments of Diorite-Lamprophy Dyke - Silicious Zones	125. yre				5 & 50 25 20 40 \times 4 40 \times 2 40 \times 2 40 \times 2 45 \times 3 40 \times 8 $\&$ 15 15 45 \times 3 40 \times 2 40 $\&$ 45 \times 6 20 40 \times 3	1/16 x 2 1/8 h/e x 4 h/e x 2 1" & 1/2" 1/2 & 1" 1/16x8&1/4 1/2" 1/8 x 3 1" x 2 1/16 x 6 3/4" 1/8	Qtz-Cal-Py x 2 Contact of Diorit Qtz-Cal-Py-Pyrr Cal-Py (Pyrr) Py-Pyrr x 2 Qtz-Py-Pyrr x 2 Qtz-Py-Pyrr x 3 Qtz(Py-Pyrr)x83Qt Qtz-Py-Pyrr(Mass Qtz-Py-Pyrr x 3 Qtz(Py-Pyrr(Pbs) Py-Pyrr-Qtz-Calx Qtz-Py-Pyrr x 3	e - Basic fine grained Dyke <u>Stock work of hairline</u> fractures coated with Py-Pyrr Fragments of Dyke and Cherty fragments z cut by 450 veins ve Zeol) <u>Diss-Py-Pyrr</u> Stock work of Qtz-Py veins
						Diorite vein Silicious		A A A A A A A A A A A A A A A A A A A			25 x 2 45 x 2 20 rx contact 40 x 3	1/16 1/16 × 2 1/16 × 3	Qtz(Py-Pyrr) Qtz-Cal-Py-Pyrrx Qtz-Py-Pyrr	At least 3 periods of Qtz veining 2 Looks a little like a aplite Dyke
			and a subscription of the subscription of	2 4 - 4 - 1		Silicified Breco	ria 131		4		45 rx contac			

<u>2454 14 - ² 22</u>

80-1 CLATK NT: M-163



AAAAX OF CANADA LIMITED KITSAULT MINE DIAMOND DRILL RECORD

		IDE: IDE: IE: E: E:	÷	5				<u>1.73</u> 21273 21573			-	DIP I 1995 DATE	ISIS: D EF: LORFED:
gart							m) []	9310 E	iten DC	n.e		MINER	ALIIATION AND STRUCTURES
QUZ. Plan	r eng K-Spar	Maf ice.	Ассеянот	្រាំខេងងារខេ	Hardnen	Rock Nri Appeara	bepth (Rock 'Fy	Alterat	Structi	Angle ID Core of Anis	Vićch Of Veia	Minaralization and Faulting
									an - panty and a start of a start		45 x 3 20 x 3 40 x 5 40 x 6	1/8 x 3 h/e x 3 1/16x3&h/ex2 h/e x 6	Qtz-Py-Pyrr Stock work of hairline Qtz Cal-epid-Chl? x 3 veins 10 to an inch Qtz-Cal-Py-Pyrr Qtz-(Py-Pyrr)x6
							34.1				45 & 40	1/8 & 1/16	Qtz-Cal-(Py-Pyrr) x 2
								A P A A P			45 & 40 45 x 2 45 & 40	1/8 x 2 1/8 & 1/16 1/16 x 2 h/e x 6	Qtz-Cal x 2 Qtz-Cal(Py-Pyrr) x 2 Qtz-Cal x 2 Dtz-Cal(x6)(Py-
						-	1 37.1				40 x 4 & 45 40	h/e x 5 1/2	Pyrr) Qtz-Cal(Py-Pyrr) x 5 Qtz(Biotite along contact)
						Mixed Zone - decrease in Fragments - increase in Diorite		V A V A V			35 x 6 45 x 2 40 40 & 45 x 3 40 x 5 35 x 6 40 x 3 & 45 x 25 x 4	h/ex5&1/16 1/16 x 2 1/4 1/16 x 2 h/e x 5 h/e x 6 3 1/16 x 6 h/e x 4	Qtz-Cal(Py-Pyrr)x6Stock work of Qtz-Py Otz-Cal(Py-Pyrr) Otz-Cal(Py-Pyrr) Otz-Cal x 4 Qtz-(Cal) x 5 Qtz-(Cal)-(Py-Pyrr) x 6 Otz(Cal-Py-Pyrr)x6 Otz-Cal(Py-Pyrr)x4

ian 24

Storation:

Bage 15 55 22

MITE NO: 80-1 CLAIN 11: M-163



	perception in the second s				ET ED	
		. .	(IT SAU			
		DIAMO	ND DF	RILL RE		11
SECTOR: SECTOR: Sector States and Sector State			1 w.			-
ADINITE: ADINITE: I IP: ELEVATION: A LENGTE:	IIIIARED: DILENLERE: DIRE SICE:	- -	TIR T Lisat Late		2782775 :	204ap.17
ROLE TYPES AND ALTERATION	GEREETC 100		177757.	ALTIATION AND STRU	CTURES	
	() H	c				
дых. г.1 пд к-3раг Май 1св Ассевзог Коек Nam Коек Nam Аррептан	Depth (n Rock Ty ₁ Alterati	Angle to Core of Amis	Width CE Vein	<u>Mireralization</u> and Faulting	Remarks	
Silicified Breccia	A A A A A A A A A A A A A A A A A A A	45 & 40 x 3 20 & 30 25 40	1/8&1/16x3 h/e x 2 1/8 3"	Qtz(Cal-Py-Pyrr)x4 Cal-Qtz x 2 Qtz-Cal-Py-Pyrr Sil-Zone	2"-4" Fragments of Hornfels Silicious Pods	a a state and a state of the st
Diorite	43.29	45 x 3 45 x 3 35 x 6	1/8&1/16x2 1/16 x 3 1/2&1/16x5	Qtz-Cal(Py-Pyrr) Qtz-Cal-Py-Pyrrx3 Qtz-Ser-Py-Pyrrx6	Stock work of hairline Qtz- Cal vein lets	an a
Mafics are smaller less than		30 40 x 3	1/16 h/e x 3	Cal-Qtz Qtz-Cal-(Py-Pyrr) x 3		A STATUTE AND A STATUTE AND A STATUTE A
		20 & 45 40 & 45 45 40 x 3	1/16 x 2 1/4 x 2 1/16 1/16 x 3	Qtz-Py-Ser x 2 Qtz-Py-Pyrr Qtz-Py-Ser Qtz-Py-Pyrr-Serx3	Hornfels Fragments on	
Silicified Zone	146.34	40	21	Silicious Zone	Contacts of Sil Zone.	+
Silicified Zone Diorite 4		40 50	1/4 h/e	Qtz-Py Massive-Py-Pyrr o Frct	Hornfels Fragments	
		40 x 3 40	1/16 1/2&1/8 x 2	Qtz-Py-Pyrr Qtz-Cal-Py&Py x 2	Vein lets cross cut Soth Diorite & Hnfls - Some vein lets Otz-Py	
	149.39/ \					i



KITOAULT MHI

DIAMOND DRILL RECORD

SECTION: Lation:E: Coraritre: Litrue:			TESIS:	с Т. ЭШСАРИЯ :
118: ElforT1100: 1600771:		103 0423 -	II II: II 2722:	na a sananan sa ma manana ku sa ku sa Ta sa
ROOK TYPES AND ALTERATION.	GILFEIC 109 =	. XIG	FALICATION AND STRU	CTURES .
цгз. РТав К-Spar МаГіся Ассеявогіс Техтиге Пигдиеяя Коск Name Арреаганс	Dopth (m) Rock Type Alteratio Structure	Angle to Width Core of Amis Of Vein	Mineralization and Faulting	Remarks
Mixed Zone 4 of Diorite and Hornfels		50 x 4 & 20 1/16 x 5 60 1/2 40 x 3 h/e x 3 40 x 3 h/e x 3	Qtz-Cal-Py-50 cuts Qtz-Py-Pyrr Qtz-Cal(Py) x 3 Qtz-Cal x 3	20 ⁰ Py - are just in the Hornfels fragments - suggest- ing Hornfels was mineralized before the intrusion of the Diorite - (Hnf - diss-Py-Pyrr)
Fragments - (Silicified)	152.44	30 x 3 1/8&h/e x 2 30 x 3 h/e x 3 40 x 2 & 20 1/16 x 2 20 x 2 h/e x 2	Qtz-Cal-Py-Pyrrx2 Py-Pyrr x 3 Qtz-Cal & Py Cal-Py-Pyrr x 2	circle of baipline frac-
		45 x 2 40 40 x 5 1/8 & 1/16 1/8 h/e x 5	<pre>Qtz-Cal-Py x 2 Qtz-Ser-Cal-Py (Pyrr) Qtz-Cal x 5 Ctal San Cal</pre>	tures
Breccia fragments of -Hornfels		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Qtz-Cal-Py-Pyrrx3 Qtz-Py-Cal Qtz-Cal-Chl-Py	Numerous fractures forming a stock work of Calcite-Py- Pyrr
-Diorite		45 x 3 h/e x 3 50 & 30 1/16 & h/e 45 x 2 1/16 x 2 60 & 45 1/2 & 1/16	Cal-Py x 3 Cal-Qtz(Py) x 2 Qtz-Py-Pyrr x 2 Qtz-Ser-(Py) x 2	30º displaces 50º -
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<pre>Otz-Cal & Otz-Cal (Py) x 2 Otz-Ser Otz-Ser x 2 Otz-Cal(Pv-Pvrr)x</pre>	10

•



AND AND & OF CANADA LESTED

KITSAULT MINE

DIAMOND DRILL RECORD

			: E: FE:							:			DIP LIGT DATE	TESTS: ED ET: 107-GED:	
		, aanto, oo waxaa kaan	300				Auteration 1 S	6 (1	AFRIC 2				MINE	HALFEATION AND STRU	CITFES
	1 ar	K-Spar	Mafice	Ассевног	Pexture	llardness	Rock Nam Appearan	Depth (n	Rock Tyr	Alternt	Brometan	Angle to Core of Amis	Width Of Teit	Mineralization and Faulting	Remarks
									$ \begin{array}{c} \bigtriangledown \Delta \\ \Delta \\ \neg \\ \neg \\ \neg \\ \Delta \\ \neg \\ \Delta \\ \overline{\nabla} \\ \Delta \\ \overline{\nabla} $			45 x 20 40 x 5 30 x 4 60	1/8x3&h/ex17 h/e x 5 h/e x 4 3/4	Qtz-Cal(Py-Pyrr)x Qtz-Cal(Py-Pyrr)x Qtz-Cal(Py) x 4 Qtz-Cal-Py-Pyrr	20 Stock work of Calcite filled fracture of various orientation mostly 40-45
								161.					-	Ota Cal(Py_Pyrr)	
20	50	5	20				Contact Zone Diorite		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		· · · · · · · · · · · · · · · · · · ·	30 40 x 3 25 x 3 20	1/8 h/e x 3 h/e x 3 h/e	Qtz-Cal-Py-Pyrrx3 Cal(Py-Pyrr)x3 Cal-Py	
	ann - Anna Anna Anna Anna Anna Anna Anna								~~~~			40 35 x 2 25 x 2	1/4 1/8 x 2 1/8 x 2	Cal-Py-Pyrr Qtz-Py-Pyrr x 2 Qtz-?y-Pyrr-Calx2	
								104				20 & 30 40	h/e x 2 3/4	Cal x 2 - Otz-Cal(Py)	
a substantia de la constantia de la consta			1		1 4 2 2 2 2 2 3 3 3 3 2 1 4 3 2 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	an a			ント			20 25	1/4 99 1/16 x 2	Cal-Grenulating bonds of Chl-Cal Qtz-Cal x 2	Quartz veins with needles of Hnbld up to J" long
				-	i	-		167	. 68						



A FAAAA OF CAHADA LIMITED KITSAULT MINE

DIAMOND DRILL RECORD

SECILON: <u>Ta</u> tatu se				
DEPARIURE: AZINTUR: DIR: ELECATION: LECTR:	COLLAPED: CIMPLETED: COFE SISE:	I DP D Loga DATE	ESIS: D ET: LOGGED:	75:44775:
ROTE INFES AND AMTERATION	GRAPHIC LOG	MINER	ALIIATION AND STRUCT	IURES
8 1 08 11 08 11 08	m) pe ston		-	
Quz . Plag K-Spar Maffes Accessio Parture Bardues Rock Na Rock Na	Depth (Rock Ty Alterat Structu	Angle to Width Core of Axis Of Vein	Mineralization and Faulting	Remarks and the second s
		70 1/8	Qtz-Cal	
		20 h/e	Ch1-Py	
		60 & 20 1/16 × 2	Cal(Py) x 2 Q	tz-veins with Hnbld needles 3/4" long
	170.73			
Lamprophyre Dyke		20 1 1/2'	Dyne-some pheros of plag & Mafics 1 mm Qtz-Cal	
Lamprophyre Dyke		1/8 1/8 1/8	Qtz-Py-Pyrr Cal-Chl	
Lamprophyre Dyk	e 173.7 8	60 x 2 ħ/e	Cal x 2	
	-	50 1/4	Shear Zone(Py- Pyrr)	
Mixed Zone Braccia - Diorit	e	35 1/2 20 1/8	Qtz-Cal Qtz-Cal-Py	
		40 1/4 40 1/2 1/2 1/2	Qtz-Py-Pyrr Qtz-Py-Pyrr Qtz-Cal-Py-Pyrr2	
	176.83	40 & 60 1/8 x 2 80 1" 30 1/4	Qtz-Chl Qtz	Green Silicious Swirls



AFAAX OF CANADA LIMITED KITSAULT MINE DIAMOND DRILL RECORD

51.01 1.471 0.134 4.114 1.134 1.134 1.134	110X : 1777 5 : 1777 5 : 1778 :					03 00 00	11 APEI MD12 II RE 1913	: 		-	DIR I LOGGE DATE	ISIS: D EY: 109GED:	E 4 F 1 5 ;
Υς μπα έμ ασκαιασιβούς στατακτέλουσ			1725	5 ANI	ALTERATION	GP.	APEIC	LOG			MINER	ALIIATION AND SIRU	CICES
		10.8		,	- - 	0	Ŭ	lion	. 9 1				
Quz. Plag	K-Spar Maring	Ассенног	arng kagi	llardness	Rock Nam Appearau	Depth (n	Rock Tyr	Alterat	Structu	Angle to Core of Axis	Width Of Vein	Mineralization and Faulting	Remarks
					en ny panamanana da da karang katalan ara da mang katalan da karang katalan karang katalan karang katalan karan Ma	<u> </u>				70	1"	Qtz-Py-Pyrr	
										70	1/16	Py-Pyrr	
		35%			Diorite		1			35 x 2	ħ/ex2	Qtz x 2	
		Bio			Mixed Zone	-	1	1	1	20 & 30	1/8 & 1/4	Qtz x 2	Very Silicious
	-	1			Breccia - Diori	te	11	- 		30 x 2 & 20	h/e x 3	Cal-Py-Pyrr x 3	Stock work of Utz-Cal Trac-
	a a na ana a tanàna amin'ny taona mandritra dia mampika minina dia mandritra dia mandritra dia mandritra dia m					170	11				•		
	. a contrato a serie a	1	ا مستحد ا	1				1		30 & 20	h/e x 2	Cal-Py-Pyrr x 2	
							14		.	70	4"	Sil - green zone	
						-				30 × 4	h/e x 4	Cal-Qtz(Py-Pyrr) x 4	Hornfels frag surrounded by Qtz
		<u> </u>	<u> </u>		en and the second s		1-1	1	1	60	1/2	Qtz	
				T			1			40	1/4	Qtz-Cal (Py)	
							-1.			40	1/4	<u> </u>	
		1				182	031			30 x 3	1/16 x 3	$Cal-Qtz(Py) \times 3$	
	1 1 1					104	1.7			20 & 40 x 4	h/e x 4	Cal(0,tz) x 4	Very Silicious-Hnfls
			1					1		50	1/4 99	Qtz-Gouge	Frag partly alt'd to Hem- atite
		t t	•			•	11		-	30 & 40	1/4&h/ex6	Qtz&Qtz-Cal x 6	5" Qtz-Silic Zone
				1 1		<u> </u>		τ <u> </u>	1	60	11/4	Qtz	
		1 2		ł			11	,		35 × 2	h/e & 1/16	Qtz-Cal-Py-Pyrr	
		1						N	1	30 x 3	ħ/ex3	Qtz-Cal x 3	
			1		-	•		/			•	:	

185.98''



ARAX FCAHADA LIMITED KITSAULT MINE DIAMOND DRILL RECORD

	ECTION ATTICU ERART LETAT LETAT ELOTE	: E: : : :						<u>14750</u> 21171 21513	: :: ::			DIP I Logg DATE	TESTE: ED EX: 1095ED:	
C. Weiter, Many - Maria - Maria	يەرىپى سىرىپ يىرەرس			 1725		O ATTERATION	<u> </u>	AFE10	203			MINE	PALIZATION AND SIRU	CIURES
ц(х. Р1ав	PLAR E-Spar Accessories Texture Texture Rock Name Appearance				hepth (m)	Rock Type	Alteration	Structure	Angle to Core of Axis	Width Of Vein	Minerelization and Faulting	Recettes		
						Diorite		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			70 35 x 4 45 20 45	1/2 1/16 x 4 1/8 h/e h/e	Qtz Cal-Py-Pyrr x 4 Qtz-Cal(Py) Cal-Py Cal-Py	Diss-(Py-Pyrr)
							189.				30 40 50 25 × 2	1/8 1/16 1 1/2" 1/16 x 2	Qtz-Py-Pyrr-Cal Qtz-Cal Qtz-Py-Pyrr Cal-Py-Pyrr x 2 Qtz-Py-Pyrr	
					na fe under solet einer so		192.	07			20 45 20 x 2 45 x 2 20 & 25 40 60 x 4	1/2 h/e x 2 1/16 1/16 x 2 1/16 1/16 x 4	Qtz-Ser-Cal-Py Cal-Ch1 x 2 Cal-Ch1 x 2 Cal-Ch1 x 2 Qtz-Py-Pyrr Qtz-Ch1-Ser x 4	
						Breccia					30 × 4 25 × 2 25 × 3	ħ/e x 4 1/16 x 2 1/16 x 3	Cal-Chl x 4 Cal-Py-Pyrr x 2 Cal-Py-Pyrr x 3	Stock work of Calcite covered fractures diss-Py- Pyrr

المعجد



Fage 21 cf 22

										•		A.A.	ax o	F CANADA LI	
										• •			<itsai< th=""><th>jlt mine</th><th></th></itsai<>	jlt mine	
	551	· · · · · · · · · · · · · · · · · · ·										DIAMO	ND D	RILL RE	CORD
		211 2141 2141						00 00 00	ILAFED MRLEIE FE SEI	: 3: 2:			DIP 1 Logg DATE	TESIS: ID ET: LOGGED:	
		1999-987-9 ¹⁹ 5-5-385-5887					<u>107224770</u> %	GE	AFEIC	LOG			MINE	PALIZATION AND SIRU	CTURES .
				ri cu		=	- Marce	(m	be	ion	110				
uta.	310 L (und8M	Mafles	Ассевно	annaa'f	lardnea	Rock Na Appeara	bepth (Rock Ty	Alterat	Structi	Angle to Core of Axis	Width Of Tein	Mineralization and Faulting	Retaths
			; ; ;		Ì	cuercum (m) (u) (c 2 4 4 1 1 1 1	Nated and the many setting is a given set of the set of the set of the set of the setting set of the set of the		Weak			25 x 2	h/e x 2	Qtz-Cal x 2	
						-						30 20 & 25	1/8 x 2	Qtz-Py-Pyrr & Qtz- Qtz-Py-Pyrr & Qtz- Cal-(Cutting 200)	
					, , , , , , , , , , , , , , , , , , ,				. \ \			20 40	1/8 99 1/8	Cal-Gouge-Py-Pyrr Qtz-Cal-Py-Pyrr	Slight increase in alt.
								107	26					End of Hole	
-				- - -					different en la			-			
At and and the second second		* * 100 ** 5, 100* 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	- 	- - 100 - Molenet - - -									•	-	
an - Anto Maria ya Aranga na Manana a M				:		· ·									

Fage 22 cf 22 80-1 M-163 HOLE NO: CLAIM FIL: ²ESTORATED STLEETLEE CIFE ASSAYS (\mathbb{Z}) Роотаре ВТоекя Кесоvery Pbs ZnS Sample No. Py Po • -647 -.2 .4 ÷ 4

APPENDIX B

•

.

STATEMENT OF COSTS

COST STATEMENT

.

(a)	Two diamond drill holes - total footage 354.57 meters	\$31,691.12
(Ъ)	Room & board for diamond drillers	
	4 drillers \$25/day for 12 days	\$ 1,200.00
(c)	Survey hole location	
	\$45/hour (2 men) for 4 hours	\$ 180.00
(d)	Mobilization to Kitsault from Vancouver Rivtow barge and flat deck rental	\$ 1,300.00
(e)	Clearing drill site & an access road to site	
	D-6 Cat - \$100/hour X 16 hours = \$1600	\$ 1,600.00
(f)	Helicopter service to fly drill into site	
	3-2 hours Vancouver Island Helicopter	\$ 1,363.20
(g)	Assaying 13 samples X \$15.00 Mo, Wo ₃	
	13 samples X \$9.00 Au-Ag	
	Rossbacher Laboratory Ltd.	\$ 312.00
(h)	Geologists Wages: Drill Supervision - Core, logging & splitting & report writing	
	\$190/day X 14 days	\$ 2,660.00
	TOTAL	\$40,306.32