DIAMOND DRILLING REPORT

On The

COOT GROUP

CASSIAR DISTRICT

LIARD MINING DIVISION

BRITISH COLUMBIA

Owner:

Stanley Case

Operator:

Erickson Gold Mining Corp.

Covering:

Coot #1 to #4 (4 units)

Work Performed:

July 5, 1983 - July 15, 1983

Located:

Lat. 59°17'

Long. 129°43

NTS 104P/5E

By:

Alfred Stewart, Geologist Richard Somerville, P. Eng.

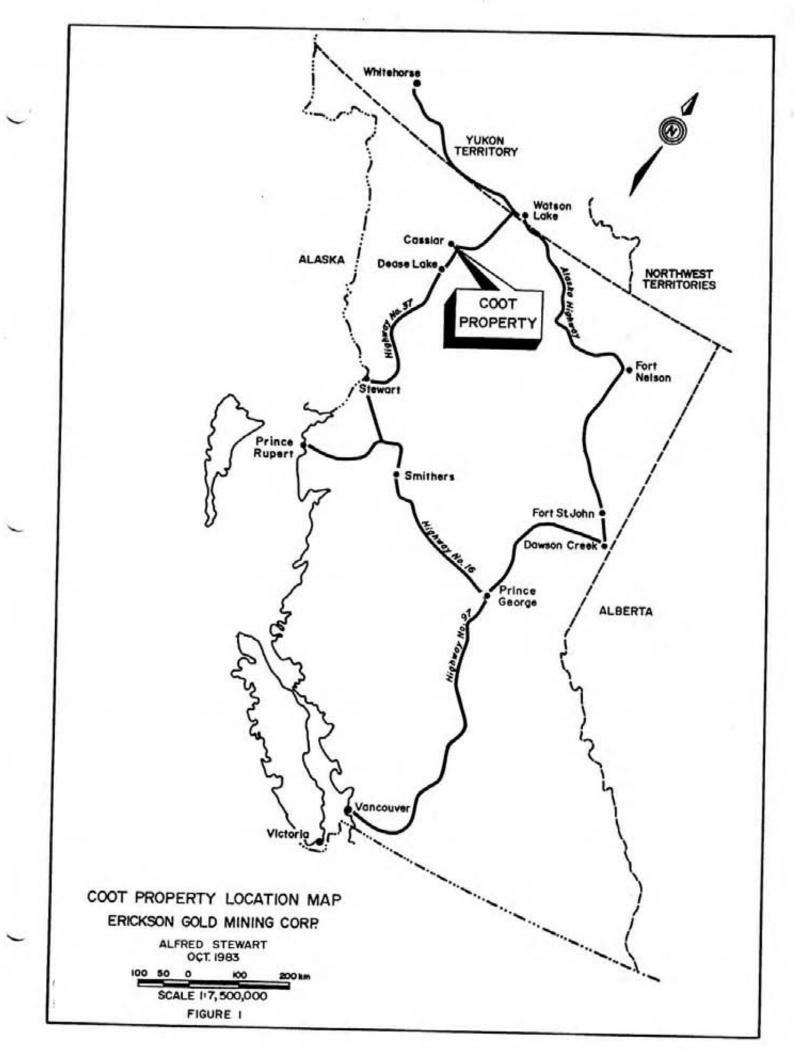
October 6, 1983

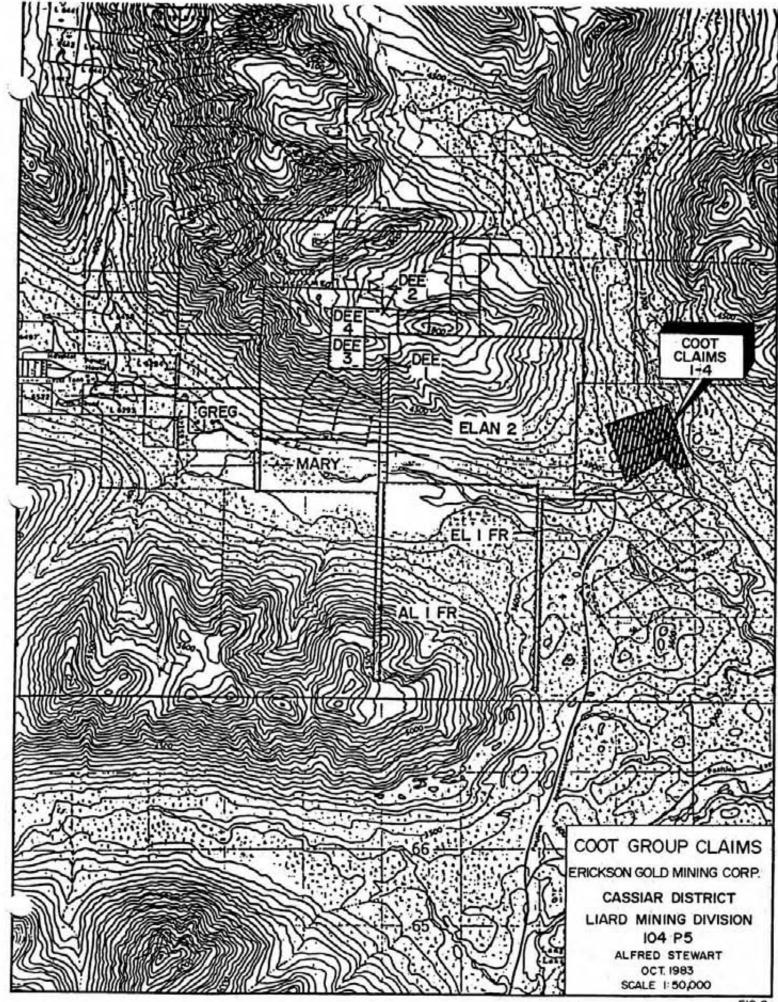
GEOLOGICAL BRANCH ASSESSMENT REPORT

11,305

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Introduction

This report documents the results of a diamond drilling program carried out on the Coot Group of claims. The work was done during the period of July 5 to July 15, 1983. Diamond drill logs with assays and maps showing drill hole location and geology are enclosed.

Property

Coot Group

Claim Name	No. of Units	Record No.	Record Date	Owner	F.M.C. No.
Coot #1	1	956	Sept. 10	Stanley Case	237190
Coot #2	1	957	Sept. 10	Stanley Case	237190
Coot #3	1	958	Sept. 10	Stanley Case	237190
Coot #4	1	959	Sept. 10	Stanley Case	237190

Location and Access

The property is located in northern British Columbia, east of the town of Cassiar, near Quartzrock Creek. The geographic coordinates are 59°17' north latitude and 129°45' west longitude.

Access is by road from the Stewart-Cassiar highway, at a point approximately 150 kilometers south of Watson Lake. From that point, the Cassiar town road is followed for four kilometers to Quartzrock Creek. A four-wheel drive road begins at Quartzrock Creek bridge and extends northwards for one kilometer to the Coot Group.

History

The Cassiar district has been prospected since the 1800's and the interest continued after 1874 when placer gold was first discovered on McDame Creek. Although there has been considerable prospecting and development in the area since the middle of this century, there is very little evidence of previous work on the Coot claims. A limited amount of surface trenching had been carried out in the past.

In August 1979, the Coot #1 - #4 claims were staked by a local prospector, Stanley Case. The claims were optioned to Erickson Gold Mining Corp.

Summary of Work

During the summer of 1983, four diamond drill holes were drilled on the Coot Property. A total of 214.5 meters of core was drilled using a Boyles 17A drill. BQ sized core was drilled.

Purpose

The purpose of the 1983 drill program was to test the grade and depth extension of a major east-west striking vein previously exposed by trenching.

Results

Two significant thicknesses of quartz were intersected in 83 E 18. In 83 E 19, both of these veins were again intersected further down dip. Assays from the two quartz veins were low in both gold and silver. A 30 cm vein in 83 E 19 was intersected at a depth of 18.4 m which assayed 0.089 oz/ton Au and 0.03 oz/ton Ag.

Drill holes 83 E 20 and 83 E 21 were located to test a section of the major East-West trending vein where trenching had revealed tetrahedrite mineralization in quartz, with a grab sample assaying .022 oz/ton Au and 4.96 oz/ton Ag. In 83 E 20, as at surface, the quartz vein is divided into two sections by a diabase dike. Weak tetrahedrite mineralization and pyrite was noted in the vein intersection of 83 E 20 but assays were low. The section of quartz below the diabase dike in 83 E 20 assayed trace Au, and 0.22 oz/ton Ag across a 1.9 meter thickness in core.

In hole 83 E 21 a minor quartz vein was intersected at a depth of 11.1 m and assayed trace Au, 0.1 oz/ton Ag over 1.6 m. The major vein structure was intersected at 48.0 m depth and had a diabase dike on the footwall side of the vein. The vein was 1.9 m thick and assayed trace Au and 0.4 oz/ton Ag.

Conclusions

The major quartz vein structure indicated at surface by trenching has been intersected by diamond drilling and found to be only weakly mineralized in the two areas tested.

1

Costs

Diamond Drilling	214.5 m @ \$77.48/m	\$16,619.00
Room and Board	5 men @ \$65.00/day July 5 - July 15, 1983	3,250.00
Cat Rentals	34 hrs. @ \$58.52/hr.	1,989.68
Camp and field supplies		110.00
Vehicle Rental	15 days @ \$32.25/day	483.75
Assaying	41 rock assays for Au and Ag @ \$20/sample	820.00
Report Preparation		300.00
Wages		
Geologist	July 5 - July 15, 1983 @ \$96.00/day	960.00
Travel Expenses		944.40
	TOTAL	\$25,476.83

Statement of Qualifications

I, Alfred Stewart, of 1517 Burrill Ave., North Vancouver, B.C. do hereby certify that:

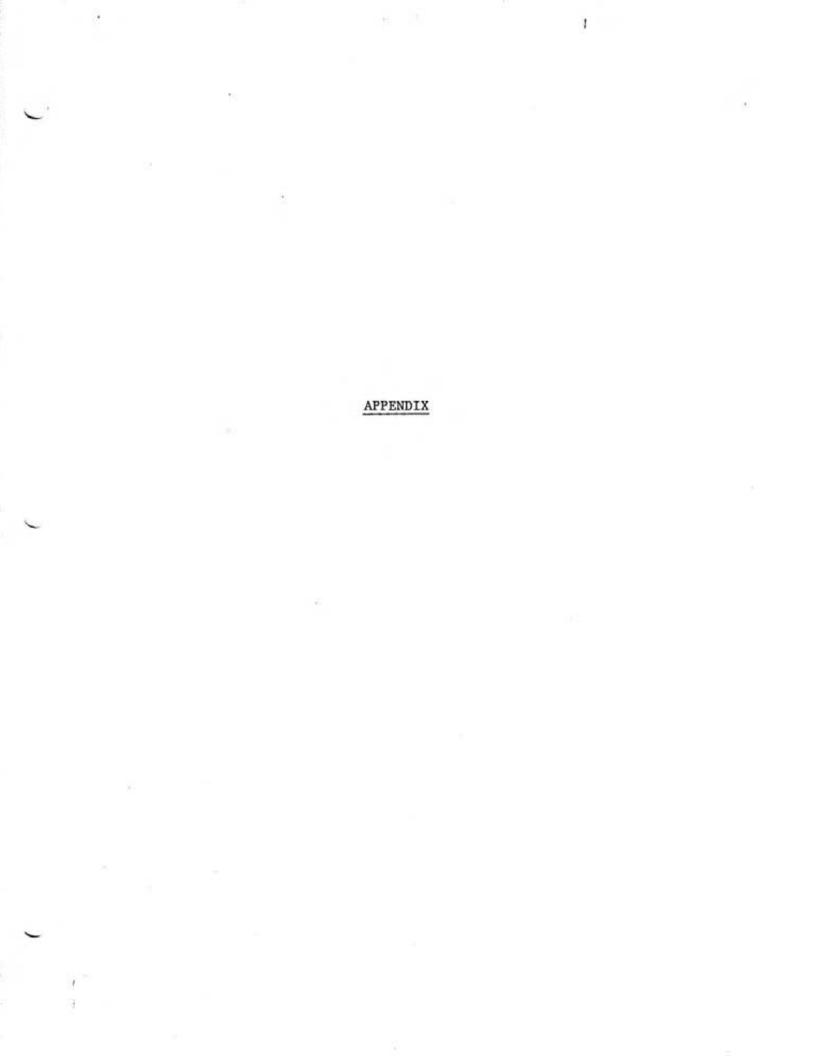
- I am graduate of the University of New Brunswick with a Bachelor of Science Degree (Hons. Geology 1976).
- (2) I have been practising my profession as a geologist for seven years.
- (3) I am the author of this report, which is based upon work under my personal supervision during 1983 on the Coot property.
- (4) While supervising the Coot property work, I was under the direction of R. Somerville, P. Eng., Director of Geological Services to Erickson Gold Mining Corp.

Respectfully Submitted

Alfred Stewart Geologist

Richard Somerville

P. Eng.



NOTE:

Diamond drill core is stored at the Erickson Gold Mine, Cassiar, B.C.

AJM EXPLORATIONS LTD. MINERALS SECTION

Exickson Elan property	GROUND ELEV.
10LE No. 83 -E -/8	BEARING
Coot claims	TOTAL LENGTH 52.4 m
Alf Stewart	HORIZONTAL PROJECT
July 12, 1983	VERTICAL PROJECT
D J Drilling	absent slight
CORE SIZE	moderate Intense
DATE STARTED . July 08	. TOTAL SULPHIDE SCALE
DATE STARTED July 08 DATE COMPLETED July 05 DIP TESTS Qctual corrected 46° (51.4 m)	traces only < 1% 1% - 3% 3% - 10% > 10%
COMMENTS 0 - 86 51@ 46° : 26.21 a	LEGEND

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PAGE 3 OF 5 PROJECT: ELON	Á							HOLE	E No.	83 · E·18
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art.	K	122	0.1	D1859	• 032	-1)	-	+-	-	-
	M	12.2-	'ليا،						-	Au Ag
	M		11 7	D1827	.039	, 20				1018 01151
13.5 - 15.1 9tz Vein Sampled		13.5-14.0	0.5	D1828	Tr	./3				over 2.8 h
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	MIT	+								
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mostly just bull gtz.	1111	+	-	-		-	-	-	+	+
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PAGE 5 OF 5 PROJECT: E	icks	on E	Lan					HOLE	No.	83 E 18
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AJM EXPLORATIONS LTD.

MINERALS SECTION

PROJECT	
you aware you	GROUND ELEV.
ELan	1189.410 set 76 Th-7 as 1000,
HOLE No.	BEARING
83 E-19	005°
LOCATION	DIP
9327.005E, 1370.089 N	- 59° · ·
	TOTAL LENGTH
LOGGED BY	HORIZONTAL PROJECT
ALF Stewart	27.28
DATE	VERTICAL PROJECT
July 12, 1983	44.74
CONTRACTOR	ALTERATION SCALE
· · . · ·	
P2 Dulling	absent
CORE SIZE	slight slight
BQ	moderate
DATE STARTED	intense
	1444
July 10, 1983	TOTAL SULPHIDE SCALE
JULY 11, 1983	traces only
DIP TESTS / Actual Correct @ 17 2' 65.5 58.25	< 1%
@172 65.5 58.25	3% - 10%
	> 10%
	19999
COMMENTS Lat. Dp.	LEGEND
0-26,2 = 76.2 0 59 /3.49 22.46	
74 7 - 52.4 = 26.2 @ 58.25 /3.79 22.28	
26.2 32.1	1
27.28 44.74	
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		+	+			-+	+	H	1	+	$\dagger \dagger$	1	U	11	H	1
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	25/				25.2 - 26.2 m quartz vein			Ш	1		Ш	1		11		
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		11		26,9-28,9	Diabase Dike as below		-		4		1	11	Ш	11	Ш	
	80%		356		27-28 m fault gouge non Lithified	- H	+	H	#	H	4	++	1	++	₩	=
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		4					+	Н	K	H	H	H	HAH	+	H	-
	86	4	4		28.9-37.4 Silicification	-H	+	Н	1		H	H	$\{Y\}$	++	H	
		1	11			-H	+	Н	1	H	+	N	H	+	\mathbb{H}	
		\mathbb{H}	Н			-H	+	\mathbb{H}	K	H	H	H	111	+	H	
		7	1	35.2	minor fault gouge	-H	+	H	K	4	H	1	11	+	111	_
		-	H				+	++	K	4	+	1	11	+	H	-
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	,	+++	111	374-38.4			+	#	#	H	4	+	+++	#	++	_
		\mathbb{H}	111	39.4-53.9	Andesite flow	-H	+	H	+	Н	+	1	117	++	H	H

PAGE 3 OF PROJECT: EL	90					1			HOLE N	2 83-E19
MINERALIZATION DESCRIPTION	TOTAL	SULPHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% Au 02/44	% Ag	%		COMPOSIT
nian durantal	+	H	-	_		-				
minor disseminated	$^{++}$	Н	-	-				-		
anyequer batite:	+	Н	-	_		-			-	
	+	H		-				-		
	++	Н	_			-			-	
7	+	H	-			-	-		-	-
	†	Ħ	-			-				-
	#	Ħ	-					-	-	
	Ħ	Ħ			1. 177					
	1	T	-10		1000					
	#	Ħ	7 0					- 1		
	11	Ħ	7							
	11	Ħ	7							
	Ħ	Ħ	-							
	Ħ	Ħ	7							
	Ħ	Ħ						7		
	11	Ħ	-					-		
18.4-187m - gtz vein sampled	材	Ħ	- 18,4- 18,7	2.2	D1730	•089	-3	5		
- humerous aftered volconic	1	Ħ	19,1-20,2		D1731	.037				
fragments, enhedral pyrite	11	H			ULIZI					
patches, mixor dolomtie	11	Ħ	7							
contact 550 to cla	11	Ħ						_		
194 m - miler gta vein	11	Ħ	<u>.</u>							
way ribbox texture 3cm wide 65° to ch	Ħ	П	7							
19,2-20,2 m · pyritic andesite	A		25.2-26.2	1.0	11732	7-	-02			
To minor got stringer sampled		П	-		1	-				
25.7-26.2 m att ven sampled		П								
9th a py ribbons and colone stel's	N	П					- 4			
ainir Volcanic fragments	7	П	29.6-30.6	40	D/733	980	-11			
29.6-326 Pyritic andesite to	1	П	306-326	20	D1734	-04/	./3			
gta stringers sampled	1	П								
32.6-34.3 Ote vein sampled 45% da	1	П	326-336	10	D1736	44	.05			
abundant ribboned pyrite, z s tages afotz			33-6-343	0.8	D1737	-044	.08			
white glesseni clearate, Lower	1	T	34.3-15.3	10	D17-38	.070	-14			
vein contact is stringer cone	1	11	35.3-36.3	10	11779	. 048	. 14			
34.3 - 37.3 Qte stringer zone	V	1	34.3-32.3	1.0	D1740	.038	.10			
Sapled	V	Ħ					-10			
384-384 Otz stringer zone sappled	X	T	3 8.4-384	1.0	D1741	. 027	.10			
39.4 -44.7 Gtz Vein Sampled	11	Ħ	204 404	10	D1742	J.	.06		-	

GEOLOGICAL DESCRIPTION ZED CAS DE EL STATION ZED CAS DE EL STATION	PAGE	4		OF		PRO	JECT: ELax	_					E No.	83 £	- 19	
39.4 -44.7 Quartz vein 44.7-53.9 moderate light grey brown colored dolorate alteration 45.0.48.0 m moderat Silicification poss. fault at 52.7 minor SI.5-529 chlorate alteration med green 53.57 end of bole 53.9 m	HES)	re Recy	OLOGY	CTURE			GEOLOGICAL DESCRIPTION			Ι.,	TION	T				
39.4 -44.7 Quartz vein 44.7-53.9 moderate light grey brown colored dolorate alteration 45.0.48.0 m moderat Silicification poss. fault at 52.2 - minor 51.5-529 chlorite alteration med green 53.57 end of bolx 53.9 m	P. B.	°0°	Ē	STRU			19	CA	EB	c	20	E	E	Ž		
brown colored dolerate alteration 45.0.48.0 m maderat = silicification poss fault at 52.2 - minor 51.5 - 529 chlorite alteration med green M S3.5 m end at helx 53.8 m			Ц	Ш			39.4 -44.7 Quartz vein	Ш	Ш	Ш	\parallel	Ш	И	Ш	Ш	1
brown colored dolerate alteration 45.0.48.0 m maderat = silicification poss fault at 52.2 - minor 51.5 - 529 chlorite alteration med green M S3.5 m end at helx 53.8 m			11	Щ				Ш	Ш	Ш	11	11	H	H	11	H
brown colored dolomite alteration 45.0.48.0 m maderat = Silicification poss fault at 52.2 minor 51.5-529 chlarite alteration med green 53:9 end of hole 53.9 m 60			#	Ш				Ш	##	111	11	11	1	Ш	111	H
#5.0-48,0 m moderat < silicitication poss fault at 52.2 - minor 51.5-529 chlorite alteration med green 53:9 m end of holx 53.9 m 60			#	Щ.			44.7-53.9 moderate ught grey	Ш	Ш	##	#	W	H	Ш	₩	H
poss fault at 52.2 - Minor 51.5 - 529 chlarite alteration med green 53.9 m end of holx 53.9 m			11	111			brown colored dolarite alteration	Ш	Ш	Ш	1	1	11	Ш	Ш	+
poss fault at 52.2 - Milhor 51.5 - 529 - Chlorite alteration med green 53:9 m end of holx 53Am 60			4	Ш			45.0.48,0m moderate	Ш	Ш	111	W	1	11	Ш	Ш	4
poss fault at 52.2 - Milhor 51.5 - 529 chlorite alteration med green 53.9 m end of hole 539 m			11	Ш			silicification	Ш	111	111	K	1	11	Ш	11	4
51.5-59 chlorite alteration med green s3:9n end of holz 53Am		1	11	Ш.				Ш	111	111	1	1	1	Ш	11	4
51.5-59 chlorite alteration med green s3:9n end of holz 53Am		1 1	11	Ш				Ш	Ш	111	11	1/	11	Ш	11	1
51.5-529 chlorite alteration med green 53:970 end of hole 5:3A70	90	Ш	11	Ш			poss fault at 52,7 - minor	Ш	111	111	1	14	W	Ш	11	4
med green end of bole 53Am 60			11	Ш			51.5-529 chlorite alteration	Ш	111	111	11	1/2	112	Щ	11	4
60			11	1			med green	Ш	111	W	11	X	11/2	Ш	11	4
-co				7	53:	in	end of hole 53Am	Ш	111	M	11	И	Ш	Ш	Ш	1
-¢a		1						Ш	Ш	Ш	Ш		Ш	Ш		
-¢a		11	П	П											Ш	
-¢a		11	T	III						Ш	П		Ш			
-¢a		11	11	111				П	TII	Π	T					
60	-		11	Ħ							T		Ш	П	T	1
			11	††				П		TI	T	П	Ш	П	IT	П
			#	111		-		Ш	111	111	11	III	Ш	П	T	П
	-60	\vdash	+	H				Π	111	111	11	Ш	Π	Ш	T	П
			+	111		_		H	††	111	T	Ħ	††	Ш	T	IT
			+	H	-			H	11	111	11	111	III	Ш	T	Ħ
			++	+++	+	-		Н	111	111	#	††	††	Ħ	11	Ħ
			++	H				11		111	11	111	ttt	Ħ	11	Ħ
			++	+++	-	_		††		111	11	111	111	††	11	Ħ
			+	H	-	-		H		111	#	††	111	ĦĦ	++	tt
			+	+++	-			H	++	+++	#	Ш	Ш	Ħ	#	Ħ
			+	₩	-	-		Н	+	HH	++	Ш	111	Ħ	#	H
			+	+++	-		1:	Н	++	Н	++	Н	+++	+++	+	H
	_	-	#	111	8			$^{++}$	++	НН	₩	₩	₩	HH	++	H
			11	111	-			+	++	+++	+	₩	+++	₩	+	H
			11	Ш	-			#	1		+	₩	#	+++	++	H
		1	11	Ш	-			++	1	Ш	11	Ш	##	##	+	H
			Ш	Ш				11.	1		11	111	##	##	+	H
		1						11	Ш	Ш	11	Ш	111	Ш	11	H
		1						11	Ш	Ш	11	Ш	Ш	Ш	11	Ħ
		1		\prod				11	Ш	Ш	11	111	111	Ш	11	11
		1								Ш		Ш	Ш	Ш	Ш	П
		9	П	TT			1					Ш				Ш

AGE S OF PROJECT: EL	_		_		%	%	%	HOLE	E No.	B3E P
MINERALIZATION DESCRIPTION	TOTAL Sur PHIDE		WIDTH	ASSAY NUMBER	A4 02/tox	Ag	,,			ASSAYS
Ptavein @ 39.4-44.7 is mostly	M	40.4-41.4	1	D/743	tr	.02				tr, . 04,
massive bull of . MINOT sections		41.4-42.4	1	D17744	++	.03				, ,
of everts is ribdons and		42.4-43.4	1	D1745	tr	.06				
exhapt dissembations are	M	43.4-44.4	1	D1746	++	,08				
present Minor sphalente.		44,4-44,7	0,3	D1747	.02	.09				
Lower year contact 550 today	\mathcal{U}	49, 7-45.7	1.0	D 1748	tr	.13				
	70	45.7-46.7	1,0	D1749		- 14				
4.7-47.7 Pritic andesite	\mathcal{U}	467-47.7	1,0	P1750						
with minor atz stringers	И								100	
								-	-	
traces of enhadral pyrite	H	1								
The state of the s	1									
	И					1 1075			-	
end ofhale 53.9 m									_	
nat -										
		П	,							
•									-	
		П								
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	-	#								
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AJM EXPLORATIONS LTD.

MINERALS SECTION

ELan	GROUND ELEV.
A Company of the Comp	1220.00 m
83 - E - 20	BEARING
1351.09 N 9017.684 E recalc	- 45. °°
9017.684 E	TOTAL LENGTH 53, 34
ALF Stewart	HORIZONTAL PROJECT
July 13, 1983	VERTICAL PROJECT 37. 子
CONTRACTOR	ALTERATION SCALE
DT Drilling	absent slight
CORE SIZE	slight moderate intense
Suly 12, 1983	TOTAL SULPHIDE SCALE
JULY 13,1943	traces only
none	< 1% 1% - 3% 3% - 10% > 10%
COMMENTS	LEGEND

AGE	2		OF .	5 PR	DJECT: ELQA					HOL	E No. 9	3E,	20	
(M) 3S)	% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	<	ALT CL	Ep	D	<u> </u>	FRACT	k		
=	% /40	ᄀ	Ts.	- / 1	Т	Â	III	11	P	Ιħ	$\frac{1}{1}$	1	Ш	1
	1	+	+	0-6.10	Casing	H	ttt	††	H	Ш	††	11	$\dagger\dagger$	
	1	++	++					Π	П				Ш	
	1	#	#					Ш	Ш	П	Ш	Ш	Ш	
		11	1			Ш	Ш	Ш	Ш	Ш	Ш	Ш	Ш	
		549	П	6-1-	Andesite flow	Ш	14	Ш	Ш	Ш	1	Ш	Ш	-
			П		massive med green	M	14	Ш	Ш	Ш	N	Ш	Ш	H
			П		calcute veining 6.6- 18, on	X	M	Щ	Ш	11	N	Ш	Ш	-
					chlorite altered everned	M	N	Ш	Ш	11	N	Ш	Ш	-
		T			6.1-15.0 mode chlorite alt'h	W	M	Ш	Ш	11	И	Ш	Ш	-
10		11	Ш			12	И	Ш	Ш	11		Ш	Ш	L
		#	Ħ			M	W.	Ш	Ш	Ш		Ш	Ш	L
		++	Ш		1	M	\mathbf{R}	Ш			M	Ш	Ш	
		+	H			X	M	Ш	Ш		INI	Ш	Ш	
		++	+++			X	Ш	Ш	Ш	T		Ш	Ш	
		++	Н			n	Ш	Ш	П	П	M			
		+++	Н				111	111	Ш	11	M	Ш	П	Ī,
		Н	Н	-		U	111	111	11	1	TXT		T	1
		Ш	Ш		the state of the s	f	111	111	1	11	171		1	İ
		Ш	Ш	-	18.0-29.4 mottled mad-	++	+	111	W	H	M	111	11	t
20	L	Ш	Ш	-	interse dolo alteration from	#	HH	#	W)	H	T/I	11	1	t
1000	1	Ш	Ш	-	hight greengrey to but	++	HH	+	V.	#	11	#	11	t
		Ш	Ш			++	Н	+	W	##	11	#	11	t
		Ш	Ш			+	HH	1	K	₩	H.	+	11	1
		Ш	Ш		250-284 mod clay all'h	+	1	1	V	H	11	++	H	1
		Ш	Ш			+	1	1	W	Ш	11	1	H	1
		Ш				++	1	n	1	И	+1/	HX.	+++	+
		П	Π		28.4-29.4 - tock is incompetent due +	0	n	12	H	H	+11	H	1	+
		П	I		Intense clay afterestion .	11	11	1	A	H	11	1	7	
		П	T		A Comment of the Comm	4	IN.	1	1	11	11	1	H	
_		П	T		29,4-31,0 m Quartz vein	11	Ш	Ш	Ш	Ш	11	111	Ш	
-30	1	111	11		31.0-380 mad grey grees	11	Ш	Ш	Щ		IA	N	Ш	_
		H	11		to intense buff-grey dolomite	11	Ш	Ш	N	11	11/	H	Ш	-
	1	H	+		alteration		Ш	Ш	11	11	11	IN	Ш	H
		+	+		andesite has clay altered				In	W	N	IN	Ш	1
		H	++		phenociysts of feldspar		\prod		M	1				
		+	++	-	310-380 week clay altin	11	111	Ш	M	A		IN		
_		+	+++			11	111	111	TH	X	I	И		
		#	1	-	38,0 - mod calcite and	+	111	111	T	1	11/	IV		ſ
	1	H	Ш		1380 - mod corrite and	H	111	111	111	11	111	11	T	Γ
		1	Ш	1	chlarite altered bindesite	1	11)	111	111	11	1117	111	11	T
4,	1	11	Ш			_//	IV	ш	ш	11	$-\mu$			-

PAGE 3 OF 5 PROJECT: ELQ N									HOLE	No. 8	3 E 2 0
MINERALIZATION DESCRIPTION	TOTAL	SOLUTION	INTERVAL	WIDTH	ASSAY NUMBER	% Au 03/tox	% Ag	%			COMPOSITI ASSAYS
	₩	Η,							_		
	+++	+	- 1			-	-		-	-	
C.L-273 enhadral disserie	+++	+	1	-	-			-	-		
traces of pyrite	+++	+	1	-							
	111	+:	1	-			20 50				
	W	+	1								
	11	H	- 1								
	u1	1	- 1								
	M	+				-			-		
	H	-	1				-	-			
	1	+	- 4								
	111	+				-				-	
	W	+									
	11	+						-	-		
A	H	+								-	
	M	+	- X								
, 	M	+	*5				-	-			
	Иt	+	. 9								
	H	+				-		7			
	H	+									
	H	+				-		-			
	И	+		-		-	-	_			
	11	+		\vdash	A						
	И	+					-	11			
	И	+				1			1		
	ИH	+			_	+-					
27. 20 1 1 1	121	27.	3-261	0,8	1851	.058	.16				
273-28, Ryritic andesite+	W	#			105 .	1034	110				
9ta stringers	W	28.	1-28.5	0.4	1857	+r	.09	7			
28.1-285 9+2 vein sampled 70° to c/9	11	29.	4-29.7	0.3	1853	tr	.06	1	1	.22	11.9 M
29.4-30.9 Staveir sampled	M	29.	7-249	0.2	1854	+r	-93	(1,12		
	KI	29.	9-30,9	10	1855	++	.6				
2 stage att veining - cloudy ssemi clear		#		110	حدما	100	10	-			
pyritictibbans 3.5%, no corb., 2000 Section of 1-3% tetra, +1% Sp. Miller		#									
	M	#									-1217
diss sp throughout vein, some	И	#									
"hg" section to tetra sampled	M	\dagger									
Canandali Ou - 207-70 Qu	U	\dagger									
Seperately from 29.7-29.9 m banding in vein 70° to c/a	+	+				1			1		

AGE	L	1	OF	5	PRO	JECT: ELAN					HOL	E No	83	E 20	>
(ME, _S)	% Core Recy	LITHOLOGY	STRUCTURE		FC	GEOLOGICAL DESCRIPTION	C	1	Ep c	D	S	FRACT	TENSITY		
40,	8	7	S	- 3	كرم	Continued from Lim	A	В	C	D	E		<u> </u>		
40,		11	Ш				· K	IN	И			W	Ш		
		11					X	ľИ	И		1	H	П	\prod	П
1		П	П			massive, honogenous	77	М	M	Ш	11	Ш	П	П	П
		T	T			a reex anderida it what	1/1	TH	ЙT	Ш	11	Ш	Ш	††	П
		11	1		_	green andesite w minor epidote pillow fractures	1/1	M	111	Ħ	+	Н	Ш	#	H
		#	+			Chiarre bittom tractures	-14	HJ	ĦŦ	Н	++	H	Н	+++	Н
	1	++	++	-			-14	H)	И	Н	+	+++	Н	+	Н
	H	++	++	-	_		-14	W	H.	Н	++	H	Н	+	Н
	1	++	+	-	_		-14	1	H	Н	++	H	Н	++	Н
		++	++	-	_		1	M	All	11	++	1	H	++	H
50.	Н	11	++	_			-14)	И	И	Ш	11	Ш	Ш	11	Н
		4	11		-		11	1И	И	Ш	11	Ш	Ш	Ш	Ц
- 9			11				M	ľИ	1			Ш			
1			Ш	53,	3	end of hole	M	M	111						
			П	T			M	711	Ш	П	T	П	П	T	П
3	1		П					111	ΠT		11	Ш	П	Π	П
	П	11	11				111	111	††	Ħ	11	111	H	#	Н
- 1	П	11	+		-		-111	+++	+++	Ħ	++	111	Н	#	Н
-	Н	++	+				- 111	+++	+++	Н	+	H	Н	+	Н
Ţ,	1	++	+	-	_		-+++	₩	₩	Н	+	H	Н	++	Н
		+	+	_			+	₩	##	Ш	+	ш	Ш	++	Н
60		+	+				-111	111	Ш	Ш	+	Ш	Ш	#	Н
		11	4				-111	Ш	111	Ш	4	Ш	Ш	11	Ц
			Ш				Ш	Ш	Ш	Ш	11	Ш		11	
- 1			Ш	T -			111							\coprod	
				0 1100											
	П							Ш	Ш	П	П	П	Ш		
		П				10	. 111	Π	Ш	П		Ш	П	T	П
		11	11				111	111	Ħ	††	11	111	111	11	Ħ
		+	#				-111	111	$^{++}$	Ħ	+	++	H	11	H
	1	1	+		-		+++	+++	111	††	#	+	H	#	H
	}	++	+	- 4	-		+++	+++	+++	H	+	+++	H	++	H
70	Н	+	+	-	-		+	+++	+++	111	+	1	H	++	H
	}	111	+	-	-2		+	##	111	H	+	111	Ш	+	H
- 0		111	11				-111	111	111	Ш	11	111	Ш	#	Ц
		Ш	11	-	10.15			Ш	Ш		11	Ш	Ш	11	Ц
				1				Ш				Ш		\coprod	Ц
			1	1						11					
		T	T		C 11 0			111	111		T	П	П	T	П
	1	111	11				111	111	111	111	1	111	111	11	Ħ
		111	11				111	†††	+++	H	#	111	111	#	H
		111	++				-111	+++	+++	111	++	111-	ш	++-	н

PAGE 5 OF 5 PROJECT: E	Lan							HOLE	No.	83 F20
MINERALIZATION DESCRIPTION LUCIA description continued	TOTAL	INTERVAL	WIDTH	ASSAY NUMBER	%	%	%			COMPOSIT
apper flower rein contact save bytes	<i>*</i>	-								
traces of pyrite										
		-50								
										,
		-								
		-60								
		Ŧ								
	#	-								
		70								
		-								
		<u> </u>								
	#	‡								

PROJECT		GROUND ELEV.
Elan		1221.8
HOLE No. 83 £ 21		357 -08 33 (recale
1330,913 H 9016,294	recale	TOTAL LENGTH
		54.9 m
LOGGED BY ALF Stewart		HORIZONTAL PROJECT
July 14, 1983		VERTICAL PROJECT
		38.29
CONTRACTOR		ALTERATION SCALE
DJ Drilling		absent
CORE SIZE B Q		slight moderate
DATE STARTED JULY 14, 1983		TOTAL SULPHIDE SCALE
DATE COMPLETED	2	traces only
DIP TESTS Actual	Corrected	——————————————————————————————————————
@180,1 F4 52°	43.5	1% - 3% 3% - 10% > 10%
COMMENTS	Lat. DR	LEGEND
0-90.05 (+ = 27.45. @ 450	19,4	
90- 180,1 = 27.45 A@ 43.5	39,31 38,29	

PAGE	. 1	2	ÒF		PROJ	Ect: Elan	-				HOL	E'N	. 6	38	4)	
- 6	ecy	5	R					ALT	ERAT	ION		Ι.	2			
(ME,cs)	% Core Recy	LITHOLOGY	STRUCTURE			GEOLOGICAL DESCRIPTION	CA	ch B	Ep	D	5	FRACT	INTENSITY	k		(
		П	П	0-4.6	m	COSIAG	П	M	П	П	T	П	T	TÌ	П	Γ
	H	T	Ш				П	11	Π	Ш	11	Ш	\parallel	II	П	
		П	П				П	Ш	Ш		H	П	\prod	П		
		П	П	4.6-		Andesde flow pale green		ИТ	П	И	П	M	\coprod	П		
	[II	Ш			arey	П	И	Ш	M	П	И	\prod	П	П	
		П	П		- 9	6.0 - 20.0m - moderate gray	П	M		M	П	И	П	T		Ī
		П	Ш			dolo alteration	П	N	Ш	M	T	И	П	П	П	
		T	Ш				П	N				П				
		П	Ш			possiclay offered feldspor		M	Ш	W	П	И	П	П		
10		T	Ш			x'tols in the andesite				K	П			1		
10	П	П	П			quartz yein 11.1-12.7 m	-+		Ш		1	Π	H	1		
		T	П			3	П	TXT	Ш		T	M	TV	1	И	
		TT				cobrofordesite a slightly	П	η T		W		\prod	П	II	И	
		П	П			more gravial toxe - small	Ш		Ш	W	K	11	1	1	И	
			П			potches of tan brown clay		NT.		W.	1	11	Π	T	И	
	1	T	П			altered perphyritic feldspars	П	TIT	П	W	T	W	\prod	1	n	
		П	Ш			7	П	ИT	П	W	T	П	11	T	И	1
-	11	11	П		14			M		M	П	П	П	T	И	ľ
	П	1	П				П	U	Ш	N		П	П	П	П	
15	11	11	111				Ш	u	111	U	11	14	T	11		
,, 5	П	11	Ш				П	И	П	K	T	П	П	П	П	Ī
	П	11	Ħ				Ш	И	Π	1	T	И	T	П	П	
	П	11	Ħ				Ш	111	Ш	10	П	IИ	Π	T		
			Ħ				Ш	111	Π	17		ТИ	T	T	П	r
	П	11	Ш				П	Ш	Ш		П	Ш	T	T	П	Ī
		#	Ш				Ш	Ш		V		Π		П	П	Ī
		1	Ħ		- 6		П	Ш	Ш	W	П	Π	. 11	T	Ħ	T
		11	Ш				П	Ш	Π	V.	П	17	П	T	П	ľ
	11	#	111				П	111	Ш	K	П	ТИ	Π	11	11	Ī
		1	111				П	††	III	1	П	TH	T	T	IT	t
20	Н	#	Ħ	1			H	111	††	1	П	ТИ	\Box	11	Ħ	t
		#	H			more homogenous med green	K	W	И	\dagger	Ħ	T	1	1	IT	t
		#	111	-			M	M	ИТ	11	11	11	11	1	11	t
		+	111			dark chloritic fracture	1	12	M	#	11	11	11	#	1	t
		+	H		-		1	W	11	#	H	TV	1	#	11	t
		+	H	1		- minor valcanie by sections	14	H	Иt	#	111	11)	1	#	#	1
_		H	##	-	-	22 - 43 m . med to Interes	1	W	1	#	H	11	,#	1	#	f
		++	111		_		H	W	1	#	111	TH	1	1	11	1
	3	++	+++			alteration	1	H	11	#	H	11	1	1	#	t
	1	1	#	1		g c + c + q	1	W	12	#	111	111	H	1	#	t

PAGE 3 OF PROJECT: ELa	h			1. 440				HOLE	No. 83	E21 -
MINERALIZATION . DESCRIPTION	TOTAL SIII BHIDE	INTERVAL	WIDTH	ASSAY NUMBER	% 02/42 Au	% oz/4 Ag	%			COMPOSITE ASSAY
	1	+	-					-		
	1	+								
	IT	†								
	Ш	Ì								
	Ш	I								
	111	4								
	1	+	-					-		
	1	+	-	-		\vdash				
	H	10	10	10.01	-115			1		
10.1-161 Pyritic Andeside with		11.1-12.0	2.9	1856	.045 +r	.15		220		
11.1-12.7 Q+z vein Sampled		12.0-12.7	0.7	185+	++	.09		5		,
bullight to mixor culed py, patches mented					7.	,5,	+			
nurtic wilders & stylolites	AT	12.7-13.2	.5	1859	. 046	.16				,
pyritic ribbons & stylelites of upper & Lower contacts (55°+0c/a)	a			142,						
:exter of year is barren bull of										
no tetra, visible					,					
50 mp Led with minor stringer	Ш				(CALL)					
sampled with minor stringer	1	15				\vdash				
of 9+2 (10% of sample)	1	+					V		_	
	1	+	_		-			\vdash		
	1	+			5 4			-		
	++	+	-		-	\vdash	-	1		
	++	+	-				-	\vdash		
	+++	+	-					1		
	1	+	-				-	\vdash		-
	1	H								
	++	+	-		-	-				
	1	- v	-					\vdash		
	1	+								
	1	T :								
MARIE IIIII AND	1	T			1					
	1	T.								
	1	T								
	1	T								
	П	T								
	1	T								
		T								

(

t	c	F	PRO	JECT: ELAN				- 1	HOLE	No.8	3E	21
% Core Recy	LITHOLOGY	STRUCTURE		GEOLOGICAL DESCRIPTION	c	CÁ	ERAT	D,	S	FRACT		
*	╬	Ň	5(0 00)	Thued	â	13	11	D	11	 -	1	1
Н	$^{+}$	Н			1	т	#	₩	Н	₩	₩	+
H	$^{+}$	Н		Variably textured andesite	H	И	H	₩	H	₩	Н	+
Н	₩	Н		potches of fragmental texture	4	И	Ш	₩	Н	₩	Н	+
H	$^{++}$	Н		Cot pillow rims) interspersed	X	M	₩	₩	Н	₩	₩	Н
H	11	Н		with disbasic textured andésita	H	ru	₩	₩	₩	₩	H	Н
13	4	Н		and parphyritic feldspar	41	H	н	₩	₩	₩	(H	+
H	+	Н	- 2	gadeste (both clay oftered)	4	N)	₩	₩	₩	₩	H	+
H	$^{++}$	Н		occassianal epidate pillau	\mathcal{H}	M	₩	₩	Н	₩	И	+
H	₩	Н		tin	4	Ш	н	₩	Н	₩	Н	H
-++	H	Н			4	H	₩	₩	₩	₩	H	$^{+}$
H	#	++			4	H	₩	+++	₩	₩	1	+
H	$^{+}$	++		†	++	H	H	H	₩	+++	14	+
H	†	H			+	Н	₩	M	Н	$^{++}$	Н	+
H	††	#			Ħ	₩	††	И	Ш	##	V)	+
H	#	Ħ			11	††	ĦĦ	tr	Ш	##	K	+
H	Ħ	Ħ			†	††	††	W	ttt	111	M	†
H	Ħ	Ħ			11	Ħ	Ħ	W	Ш	Ш	1	1
Н	††	††			11	111	††	И	Ш	111	M	+
H	11	Ħ			11	111	##	M	††	111	ľИ	†
-11	11	Ħ			11	††	††	17t	Ш	††	10	7
H	11	Ħ			11	111	††	M	111	Ш	1/1	1
H	11	Ħ			11	111	ĦŦ	W	111	Ш	1	1
H	11	Ħ		thinor flects of mariposite in		TH	Π	W	111	Ш	N	7
П	Ħ	Ħ		andésite near etz veza contact	П	Ш	Ш	17	111	Ш	1	1
П	11	Ħ		The second of th	П	Ш	Ш	17	111	Π	1	1
H	11	Ħ		48,0 -49,9 CHZ VEIN	П	Ш	Ш	m	Ш	Ш	1	
П	11	П				Ш	Ш	Ш	Ш	Ш	Π	I
	П	П				Ш	Ш	Ш	Ш	Ш		1
10	2	Ш	49,9 -51	Diabase dike - intensely doyall'd		Ш	Ш	Щ	Ш	Ш	1	1
Ш	П	Ш		51,1-51,3 Qtz veil	Ш	Ш	Ш	W	Ш	Ш	1	1
Ш	Ш	Ш	51.1-549	Andesite flow	Ш	Ш	Ш	M	Ш	Ш	1	1
		\prod		Gray to green gray - carb elteration	Ш	Ш	Ш	A	Ш	111	1	1
		Ш		dies out gurkly. And has perphyritic		Ш	Ш	11	Ш	111	1	1
				clay altered feldspars	Ш	Ш	Ш	n	Ш	Ш	1	1
	\prod	П				M	Ш	11	111	111	1	1
	\prod				Ш	A	Ш	TH.	Ш	44	Ŋ	1
					Ш	N	Ш	1	Ш	44	1	4
1	1	11			Ш	1	\mathbf{H}	M	Ш	111	1	4
	Ш	Ш	54.9	end of hole	Ш	Z	Ш	И	Ш		1	

PAGE 5 OF PROJEC	ct: Elan								HOLE	No.	83E21
MINERALIZATION DESCRIPTION	N .	SULPHIDE	U INTERVAL	WIDTH	ASSAY NUMBER	% A 4 02/ton	% Ag 02/40x	%			ASSAYS
- No. 25		1	-				,			14	
		++	- 1		·	-	\vdash	-	+-		
	100	++	+ 1				\vdash				
		+++	+ 1	-			-		-	1	
		H +	+ 1	H		-	-		\vdash		
		+++	+ 1						-	-	
	-	+++	+ 1	-					-		
		1	+ 1				\vdash	-	-		
	-	+++	+ 1				\vdash			-	
		1	40	\vdash			\vdash		-		
		+++	+ 1	-			\vdash		-		
	-	+++	+ 1	H					-	1	
		1	+ 1				-		-	-	
- 'v 1		+++	+ /	\vdash		-	\vdash		-		2 V
47.5-48.0 Pyritic and sompled La. disser	esite	+++	+ 1	-		-			-	-	
sampled la disser		+++	+ 1	\vdash			-		-	-	
	4 4	111	-				• 1	4		-	
pyrite Ytal's in an	desite	₩	+	-					-	-	
	deside	Щ	-			·					
	desile					·					
pyrite Ytal's in an			45				Is				
Mr. te Ytal's IN an 200 py. 200 py. 48.0 - 49.9 questo	veix scapled		47.5-49.0	0.5	1860	.038	-	7		Ly	0.4/19 m
48.0 - 49.9 Querts	veix sampled		47.5-49.0	0,5	1861	.a38	.64	7	g. ķ.	tr	o.4/1.9 m
48.0 - 49.9 Querts	veix sampled	₩	47.5-48.0 48.0-48.5 48.5-48.5	1.0	1862	.038	. 64	7	g. k	tr	, o.4/1,9 m
48.0 - 49.9 Querts upper contact 53° to signer section has cloudy verning x cut by pyrthe	veix sampled	₩	47.5-48.0 48.0-48.5 48.5-48.5	1.0	1862	.038	.64	3	9. k	tr	, o.+/1,9 m
48.0 - 49.9 Querts 48.0 - 49.9 Querts 4pper conduct 53° to clay 4pper section has cloudy 4eming x cut by pyrde	veix sampled		47.5-48.0 48.0-48.5 48.5-48.5	1.0	1862	.038	. 64	3	J. k	tr	,o.4/1.9 m
48.0 - 49.9 Querts 48.0 - 49.0 Querts 48.0 -	yen sampled atta atylocotes material		47.5-48.0 48.0-48.5 48.5-48.5	1.0	1862	.038	. 64	3	9. k	ty	o.4/1.9 m
48.0 - 49.9 Querts 48.0 - 49.9 Querts 4pper conduct 53° to sign upper section has sloudy verning x cut by pyrote 210% ofreit, dissemine Eq. tetrohedrite in pl appears to be a steep	veix scapled atta attyloches cated Laces (~1%)		47.5-49.0 48.0-48.5 48.5-49.5 49.5-49.9	1.0	1862	.038	. 64	3	J. K	tr	,o.+/1.9 IT
48.0 - 49.9 querts 48.0 - 49.9 querts 4pper conduct 53° to sign upper section has cloudy verning x cut by pyrote 210% of rein, disseminated to be a steep 30° to c/q - numerous	yen scapled gtz stylolities mated laces(~1%) band at		47.5-49.0 48.0-48.5 48.5-49.5 99.5-49.9	1.0	1862	.038	. 64	\frac{7}{5}	9. k	ty	, o.4/1,9 m
48.0 - 49.9 Querts 48.0 - 49.9 Querts 4pper conduct 53° to cla 4pper section has cloudy 4cming x cut by pyrote 21070 ofreit, disseming 6a. tetrohedrite in pl appears to be a steep 30° to c/q - humerous at versous and less lide	ven scapled atta attylocates cated cates(~1%) band at py, fractives closed, etc		47.5-49.0 48.0-48.5 48.5-49.5 99.5-49.9	1.0	1862	.038	. 64	3	2· k	tr	, o.+ /1,9 In
Hyrite Ytal's in an 27c px. 27c px. 48.0 - 48.9 Querts 4pper conduct 53° to siquely 4pper section has cloudy 4eming x cut by pyrite 21076 ofrein, disseming 6q. tetrohedrite in pl appears to be a steep 30° to c/q - numerous at revious engles lete in fillings of byoted do	veix scapled atta attylocities cated laces (~1%) band at py, fractives clocked. ete		47.5-49.0 48.0-48.5 48.5-49.5 99.5-49.9	1.0	1862	.038	. 64	3	J. k	ty	, o.4/1.9 In
48.0 - 49.9 querts 48.0 - 49.9 querts 4pper conduct 53° to sign upper section has cloudy verning x cut by pyrole 210% of rein, dissemn fig. tetrohedrite in pl appears to be a steep 30° to c/q - numerous at revious engles late infillings of by sted do 220% - no visible	ven scapled atta stylolities hand at py, fractives clocked. ete		47.5-49.0 48.0-48.5 48.5-49.5 97.5-47.9	1.0	1862	.038	. 64	3	3-k	ty	, o.+ /1,9 m
Apper contact 53° to sign upper section has cloudy verning x cut by pyrthe 210% of reily, disseming appears to be a steep 30° to c/q - humarous at ranious angles. Late in fillings of by ted clouds a rection from 48.5-99.	veix scapled atta attylocities cated cates(~1%) band at py, flactors claced. ete audy ete tetra 1x		47.5-49.0 48.0-48.5 48.5-49.5 97.5-47.9	1.0	1862	.038	. 64	3	J. k	tr	, o.+/1.9 IT
the ytal's in an 270 py. 48.0 - 49.9 Querts 48.5 - 49. 48.5 - 49. Vein 15 cut by diobase	veix scapled 2 to stylolities 2 to stylolities 2 to ses (~1%) 2 bornd at 2 to sed (~1%)		47.5-49.0 48.0-48.5 48.5-49.5 97.5-47.9	1.0	1862	.038	. 64	3	3-k	ty	, o.+ /1,9 Ir
48.0 - 49.9 Querts 48.5 - 49. 48.5 - 49. 48.5 - 49. 48.5 - 49. 48.6 eads at 51.1 - Ansental eads	veix sampled att att att att conded band at py, fractives classed.gte audy att trita in e dike atles		47.5-49.0 48.0-48.5 48.5-49.5 97.5-47.9	1.0	1862	.038	. 64	3	J. k	tr	, o.+ /1.9 IT
the ytal's in an 27c py. 48.0 - 49.9 querts 48.5 - 49. 48.5 - 49. 48.5 - 49. 48.5 - 49. 48.6 ends et 51.1 - and 60 ch of vein on o	veix scapled 2 tylolites 2 tylolites 2 total 2 total 2 total 4 total		47.5-49.0 48.0-48.5 48.5-49.5 97.5-47.9	1.0	1862	.038	. 64	\frac{7}{5}	3-k	+*	, o.+ /1,9 IT
Apper contact 53° to sign upper section has cloudy verning x cut by pyrote appears to be a steep 30° to s/q - numerous at revious engles. Late in fillings of by ted cloude section from 48.5-99. Vern is cut by diobase which ends at 53.1 - and 10 ch of vern on a side of dike co	veix scapled 2 tylolites 2 tylolites 2 total 2 total 2 total 4 total		47.5-49.0 48.0-48.5 48.5-49.5 97.5-47.9	1.0	1862	.038	. 64	3	2· k	+*	, o.+ /1.9 IT
the ytal's in an 27c py. 48.0 - 49.9 querts 48.5 - 49. 48.5 - 49. 48.5 - 49. 48.5 - 49. 48.6 ends et 51.1 - and 60 ch of vein on o	veix scapled 2 tylolites 2 tylolites 2 total 2 total 2 total 4 total		47.5-49.0 48.0-48.5 48.5-49.5 97.5-47.9	1.0	1862	.038	. 64	\frac{7}{5}	3-k	+*	, o.+ /1.9 IT
Apper contact 53° to sign upper section has cloudy verning x cut by pyrote appears to be a steep 30° to s/q - numerous at revious engles. Late in fillings of by ted cloude section from 48.5-99. Vern is cut by diobase which ends at 53.1 - and 10 ch of vern on a side of dike co	veix scapled 2 tylolites 2 tylolites 2 total 2 total 2 total 4 total		47.5-49.0 48.0-48.5 48.5-49.5 97.5-47.9	1.0	1862	.038	. 64	3	2· k	+*	, o.+ /1.9 P

