

TOWNSHIP: HARKER

REPORT No.: 23

WORK PERFORMED BY: AMAX MINERALS EXPLORATION

CLAIM No.	HoLE No.	FOOTAGE	DATE	NOTE
	<u>^</u>			
₃ L 430920✓	839-24-2	72.Om	June/81	(1)
L 525473	839-24-1	131.65m	June/81	(1)
L 430918	839-24-4	84.0 m	June/81	(2)
· L 430920√	839 - 24 - 5 839-24-6	87.0 m ² 102.0 m	June/81 Aug/81	(2) (2)
L 430191 [%] 🗸	839-24-7	54.0 m	Aug/81	(2)
· L 430920	839-24-8	54.46 m	Aug/81	(3)

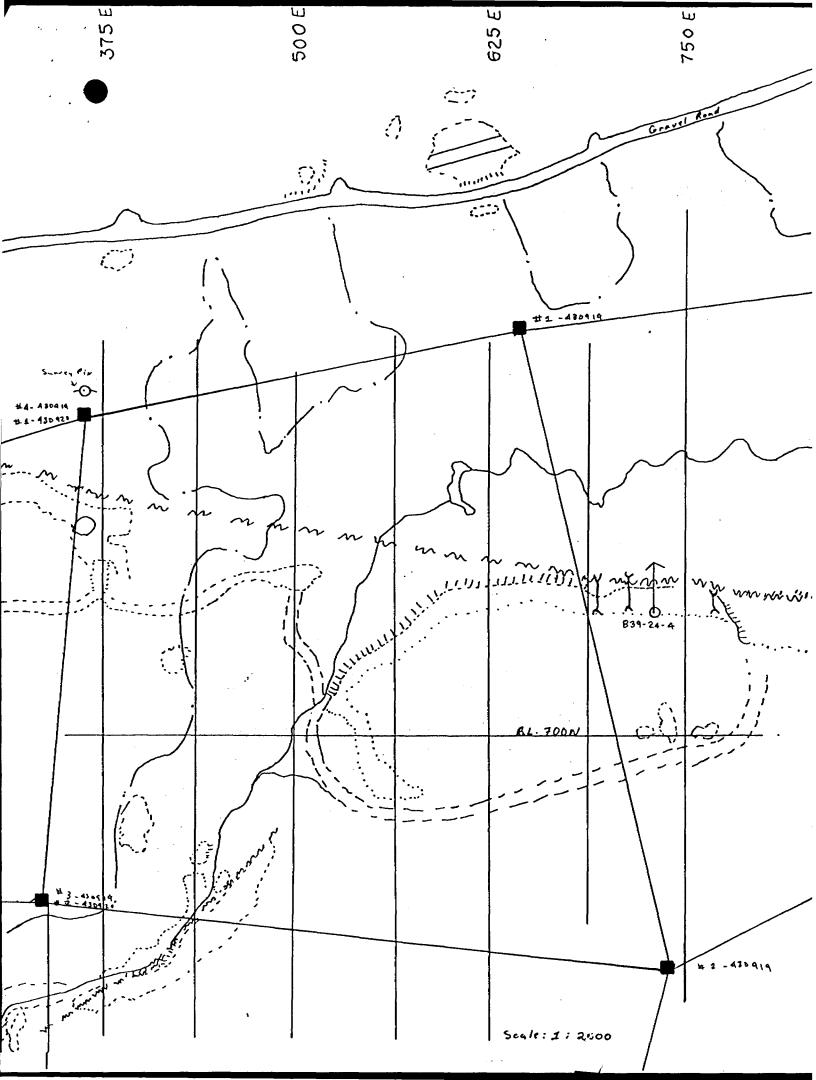
\$37 585.11m

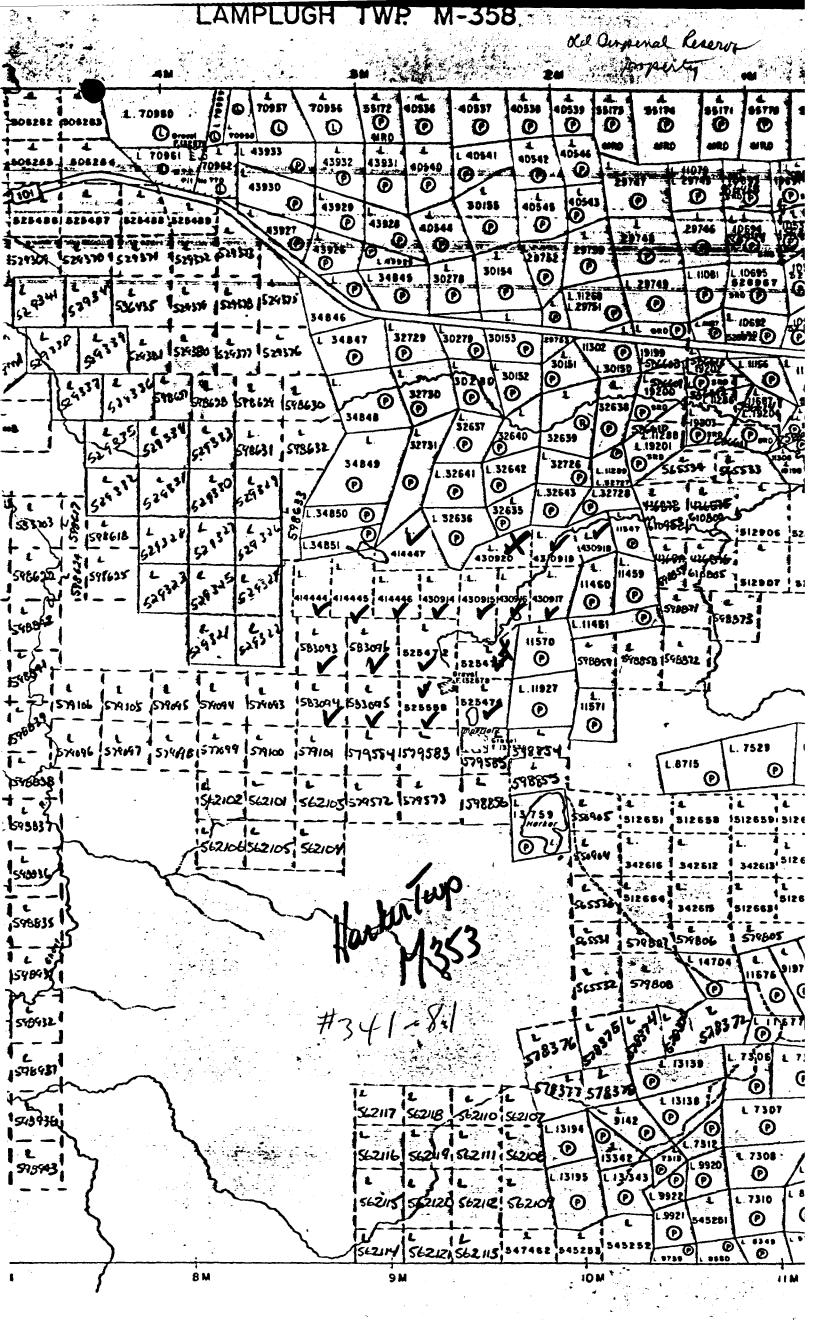
Notes:

(1) #341-81

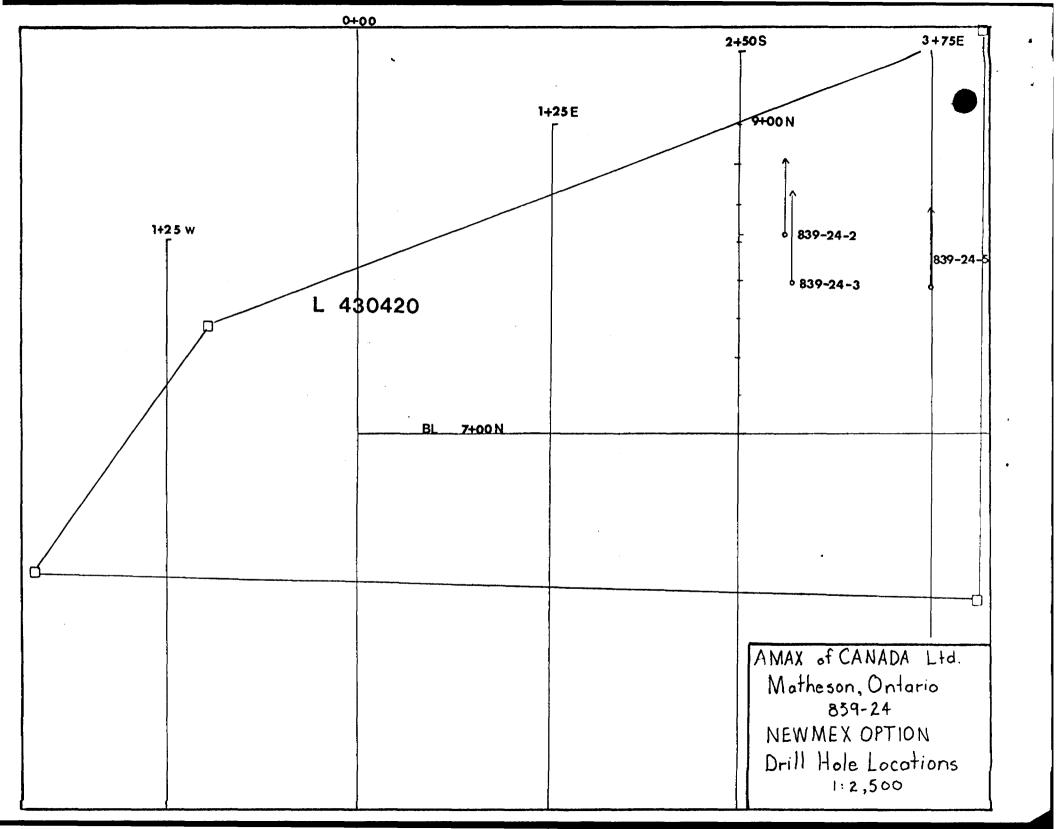
(2) #472-81

(3) #5-82





ELLIOTT TWP M-347



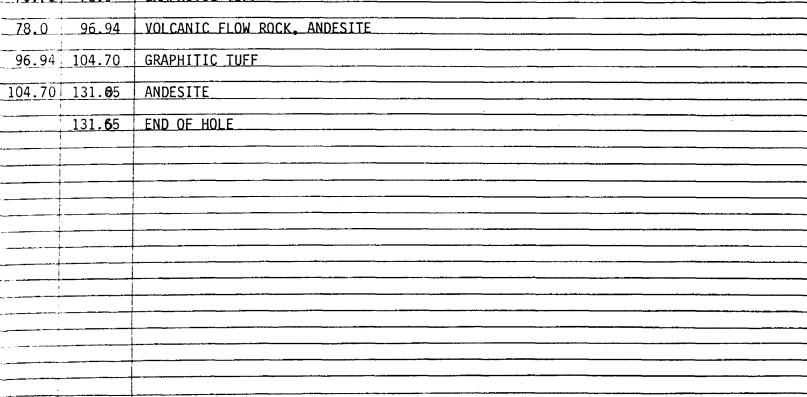
AMAX MINERALS EXPLORATION

(A Division of Amax of Canada Limited)

DIAMOND DRILL RECORD

Hole No. 839-24-1

Hole No. 839-24-1 Sheet 1 Property 839-24; Newmex	Length 131.85 metres Bearing Grid North	Commenced June 15, 1981 Completed June 18, 1981	Dip: Collar		Location Sketch	North
Township Harker	Dip -50 ⁰	Drilling Co. St. Lambert Drilling	Etch Test Depth	Rdg. True	LIA LB	1 1
Location Line A; 87.5m S	Objective To test an H.E.M. target	Core Size BQ None Casing Left/Lost in Hole None	1 131.85m	64 ⁰ 60 ⁰		
Lorged By R. Benoit		Casing Letty Lost in 11010		***************************************	839 24	Claim No.L-525473
Core Location Perry Lake, Ontario				***************************************	- 1225473	Scale: 1"= 1/z mile
Remarks Hole is located in c	centre of large open marsh near so	outh side of creek.				1em = 307m
			-	***************************************		,
ккижжиmetres	DESCRIP	TION				
From To						
0 36.80 OVERBURDEN						
36.80 75.78 ANDESITE						
75.78 78.0 GRAPHITIC TUE	F		<u> </u>			,
78.0 96.94 VOLCANIC FLOW	N ROCK, ANDESITE					
4 !						,





DIAMOND DRILL RECORD

Hole No. 839-24-1 Sheet No....

Footage	- Metres		
From	То	DESCRIPT	CION
0	36.80	OVERBURDEN	
		Sand, silt	
36.80	75.78	ANDESITE	
		W. C	
			green to dark grey in colour, hard,
			eas. The andesite is intruded by
			anging from 1mm to 6cm wide. The
	<u></u>	veins cut the core at all and	les. Some of the veins cut the core
		at b2 to the core axis. Mar	y of the quartz-carbonate veins
			. The Py seems to have formed at
			tre of the veins. The andesite is
			these veins are a medium green
		present - 1 to 3%.	the core at all angles. Pyrite is
		present - 1 to 3%.	
		37.89 - 37.94 Quartz-	carbonate vein, pyritic
			carbonate vein
			carbonate vein
			carbonate vein, pyritic
		66.95 - 67.0 Quartz-	carbonate vein
		75.0 - 75.78 Andesit	e, lighter colour, more pyrite
		3 - 5%	
		<i>"</i>	

DIAMOND DRILL RECORD

Hole No. 839-24-1 Sheet No .__

Footage	e - Metres	DESCRIPTION
From	То	
75.78	78.00	GRAPHITIC TUFF
		Plack support modium nost Sinc quained alightly manuating them.
		Black, greasy, medium soft, fine grained, slightly magnetic where pyrrhotite appears. Very conductive with ohmeter; has scattered
		quartz-carbonate veins which range from 1mm to 3cm wide. Pyrite
		is present from 5-10%. The pyrite is found in stringers, swirls
		and spots or splotches. These stringers cut the core at all
		angles. The graphitic tuff has very sharp contacts - the
		foliation is at 40° to core axis.
78.00	96.94	VOLCANIC FLOW ROCK, ANDESITE
		Very fine grained, dark green to dark grey in colour, very hard.
		Core is intruded by quartz-carbonate veins and by quartz-
		carbonate breccia. The veins are from 1mm to 2cm wide and cut
1		the core at all angles. Most of the quartz-carbonate veins have
		a preferance in how htey cut the core. Some of the veins cut the
		core at 34° to the core axis. Pyrite is present - 1-5%. The
		pyrite is found chiefly with the quartz-carbonate veins or
		breccia.
		78.08 - 78.13 Quartz-carbonate vein, pyritic
		80.71 - 80.70 Quartz-carbonate vein, pyritic
		82.00 - 82.12 Quartz-carbonate vein. pyritic
		85.51 - 85.75 Quartz-carbonate breccia, contains
		angular fragments, 1cm wide to 1mm wide,
		very pyritic. 5-20%; fragments contain
		the most pyrite, the country rock contains
		less pyrite. 90.84 - 90.86 Quartz-carbonate vein, pyritic
		90.84 - 90.86 Quartz-carbonate vein, pyritic

DIAMOND DRILL RECORD

Hole No.839-24-1 Sheet No.____

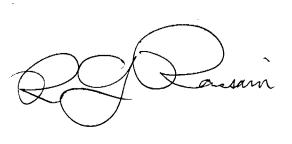
Footage	- Metres		
From	То	DESCRIPTION	_
96.94	104.70	GRAPHITIC TUFF	
		Black, greasy, fine grained, medium soft, slightly magneti	c
		where pyrrhotite appears. Has a sharp contact, intruded b	
		quartz-carbonate veins which range from 1mm to 6cm in widt	
		These cut the core at all angles. Foliation is 42° to cor	
		axis. Very conductive with the ohmeter. Pyrite is presen	
		5-20%. The Py is in rosettes, swirls and stringers. The	Py
		in the rosettes have a colloidal texture.	
104_70	131.65	ANDESITE	
		Fine grained, dark green to medium grey in colour, hard, i	s
		intruded by quartz-carbonate veins which range from 1mm to)
		2cm and cut the core at all angles. There are some areas	of
		carbonate breccia. These are white with andesite fragment	
		The core also contains broken pillows. The pillow rims ra	nge
		from 1cm to 2cm in width. They resemble a breccia. The r	
		sometimes contain py - approximately 1-5%. The core is al	
		speckled with K-feldspar splotches or amygdules. These ar	e a
		pale pink to whitish colour. The core also contains some	
		epidote. This area is a dull olive green. It has a conce	ntra-
		tion of pyrite approximately 5-10% in a 1cm wide area. Py	rite
		is present throughout the core, ranging from 1-10% in some	
		areas. The core also contains little veins or amygdules o	f
		Iron carbonates, probably ankerite. It is a rusty brown c	olour
		and is very carbonaceous. Pyrite is present around the	
		ankerite.	
		104.70 - 107.10 Quartz-carbonate breccia, pyritic w	ith
		some ankerite	
		124.30 - 124.60 Ankerite, amygdules, pyritic	
		129.46 - 129.62 Massive epidote, pyritic	
	131.65	END OF HOLE	

DIAMOND DRILL RECORD

Hole No. .839-24-2

Hole No. 839-24-2 Sheet 1	Length 72 metres	Commenced June 18, 1981	Dip: Collar	Location Sketch	North
Property Newmex Option Township Harker Twp. Location 2+80E, 8+29N	Bearing 00 due North Dip * 450 Objective To test mineralized	Completed June 20, 1981 Drilling Co. St. Lambert Core Size BQ	Etch Test Depth Rdg. True 1 72m 45 ⁰ 46 ⁰	U*505 T	
Logged By Gene Kent Core Location Perry Lake	zone as per Newmex DDH NX-2	Casing Left/Lost in Hole		4509 ZD -21-2	Claim No. 430920
Remarks The target zone was mineralized with py, qtz a	cut as in NX-2. Reddish cherts and carbonate. Sludges were coll	and pyroelastic breccias are ected.		NEWNEX	Scale: 1"= 1/2 mile 1cm = 307 m

Footage	e Metres	DESCRIPTION	
From	То	DESCRIPTION	
0	3.80	OVERBURDEN	
3.80	6.21	DIABASIC BASALT (or Greenstone)	
6.21	6.35	SYENITOID DYKE	:
6.35	10.36	DIABASIC BASALT	
10.36	25.70	PINK CHERT	,
25.70	26.57	ANDESITE	!
26.57	28.51	TUFF BRECCIA (Acid)	
28.51	30.00	TUFF BRECCIA (Mafic)	;
30.00	39.50	WELDED TUFF	
39.50	55.88	TUFF BRECCIA	:
55.88	72.00	WELDED CHLORITE TUFF	
	72.0	END OF HOLE	
	1		



Hole No. 83	39-24	-2
Sheet No	3	

Footag	e - Metres	D F C C P I D T I O N
From	То	DESCRIPTION
0	3.80	OVERBURDEN
3.80	6.21	DIABASIC BASALT (or Greenstone)
~		Blackish green, medium grained with macroscopic plagioclase set
		in a dark aphanitic matrix. Matrix is a pyroxene-chlorite-
		magnetite assemblage.
		The rock is moderately to strongly magnetic.
		3.80 - 4.44 - shattered
		Regolith zone - narrow (1-3mm) syenitic veins cut the rock at
		approximately 35° to core axis.
		Disseminated pyrite <<1%, Pyrite-carbonate veins criss-cross
		the core.
6.21	6.35	SYENITOID DYKE (Pink Felsite-Newmex)
		30° to core axis. Medium to coarse grained crystalline rock.
		Red-pink colour with alkali feldspar + minor mafics. Limonite
		stain is seen on contacts. Shearing occurs at 30° to core axis.
		This unit occurred lower down in the basalt in NX-2 crosscutting.
6.35	10.36	DIABASIC BASALT
		Becomes coarser grained near flow bases 8.34.
		9.7-10.36 - Brecciation of basaltic rock with extreme carbon-
		ization and 1-2% pyrite mineralization. The contact with the
		underlying unit is black and chilled looking.
		i.e. Target zone #1 of NX-2.
10.36	25.7	PINK CHERT (Rhyolite)
		Light gray to red in part with disseminated pyrite +1% and
		abundant carbonate narrow 1-3mm veins carry pyrite and quartz.
		Brecciation is common with felsic fragments set in a chloritic
		matrix.
		The rock is aphanitic. Hematite exsolution in the matrix minerals may impart the colour.
		This unit is non-magnetic and extremely hard.
		Till's diffe is not-magnetic and excremely hard.

Hole 1	No 839-24-2
Sheet	No. 4

From To	DESCRIPTION
	12.77 - 12.88: Brecciated-felsic (white) fragments in
	chloritic matrix
	13.65 - 13.79: Pyrite bands (1mm each) at 45° to core axis.
	Pyrîte strînger disseminations lie up hole from
	the bands. Possible indication of syngenetic
	mineralization.
	16.10 - 20-80: Finely disseminated pyrite 1-2%. Less red, more
	gray in the rock. Pyrite stringers carry a
	magnetic mineral, possibly magnetite. Increased
	fracturing of the rock with fractures coated in
	chlorite and unusually magnetic.
	THE PERSON NAMED IN COLUMN TO A STATE OF THE PERSON NAMED IN COLUMN TO A STATE
	20.80 - 24.50: Red-gray chert, nonmagnetic 1-2% disseminated
	pyrite and pyrite veinlets
	por too and por to retinious
	24.50 - 25.70: Breccia: 5% Pyrrhotite and Pyrite - sulphide
	aggregates are highly magnetic.
	Quartz carbonite forms the matrix. Fragments
	are brick red chert. The entire zone shows
	increased sulphide and hematite.
	the casea sorphite and remarket
25.70 26.57	ANDESITE
23.70 20.37	
	Massive andesite flow rock Strongly magnetic with ubiquitous
	Massive andesite flow rock. Strongly magnetic with ubiquitous carbonate veins at 50° to core axis.
	Upper contact is sharp but a leached zone extends in to the
	breccia for 3cm. Disseminated pyrite <1%
	breccia for 3cm. Disseminated pyrite <1%. Upper contact is 30° to core axis.
	Lower contact is 25° to core axis.
	The lower contact is brecciated.
	THE TORES COMMING TO DICCOMMON.
26.57 28.51	TUFF BRECCIA (Acid)
20.37 20.31	TOTA DIRECTA (MCTO)
	Blackish-gray at the top and hematitic towards the base.
	Layering at 45° to core axis as determined from fragments.
	Pyrite <2% disseminated.
	TYTTEC SER GISSEMINGEG.

Trem To To TUFF BRECCIA: (Mafic) Contacts at 45° -conformable to acid tuff above. Criss-crossed by chlorite and quartz veins ≤2mm in width. 5% sulphide within 20cm of the contact. Strongly magnetic and grading into. 30.00 39.50 WELDING TUFF Similar gray colour and strongly magnetic as with contact zone above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <<1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. 39.50 55.88 TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit. This unit is slightly to moderately magnetic. The fragments are
Contacts at 45° -conformable to acid tuff above. Criss-crossed by chlorite and quartz veins ≤2mm in width. 5% sulphide within 20cm of the contact. Strongly magnetic and grading into. 30.00 39.50 WELDING TUFF Similar gray colour and strongly magnetic as with contact zone above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. 39.50 55.88 TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Criss-crossed by chlorite and quartz veins <2mm in width. 5% sulphide within 20cm of the contact. Strongly magnetic and grading into. 30.00 39.50 WELDING TUFF Similar gray colour and strongly magnetic as with contact zone above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <<1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. 39.50 55.88 TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
5% sulphide within 20cm of the contact. Strongly magnetic and grading into. 30.00 39.50 WELDING TUFF Similar gray colour and strongly magnetic as with contact zone above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <<1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
and grading into. 30.00 39.50 WELDING TUFF Similar gray colour and strongly magnetic as with contact zone above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <<1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. 39.50 55.88 TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
30.00 39.50 WELDING TUFF Similar gray colour and strongly magnetic as with contact zone above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <<1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Similar gray colour and strongly magnetic as with contact zone above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <<1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. 39.50 55.88 TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <<1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. 39.50 55.88 TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
above (breccia). Whitish fiammes or lapilli are elongated in the plane of bedding and average 4cm in length. They lie at 80° to core axis. Carbonate and quartz veining is at 45° to core axis. Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <<1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. 39.50 55.88 TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Pyrite occurs in the quartzo-feldspathic fragments, but the average in the core is <1%. Fragments are softer than the matrix. Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Matrix is gray (light) and consists of ash sized material. 35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
35.55 - 35-79: Brecciated Po + Pyrite → 10% magnetic. TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
39.50 55.88 TUFF BRECCIA Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Up to 5% Pyrite Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
Fragmental unit. Coarse angular fragments of varied size and lithology constitute this unit.
lithology constitute this unit.
Inis unit is slightly to moderately magnetic. The tragments are
either mafic chlorite rich material 90%, or Quartzo-feldspathic
material carring up to 90% pyrite in the fragments. Pyrite occurs
as discrete crystals in the fragments.
Matrix material is <5% and is whitish quartz+feldspar.
39.50 - 40.60: Lapilli Tuff with feldspar lapilli and 15-20%
sulphide within 10cm of the upper contact
40.60 - 55.00: Coarser Tuff Breccia: Fragments generally exceed 4cm. Pyrite <2% and occurs interstically
exceed 4cm. Pyrite <2% and occurs interstically
55.00 - 55.88: Tuffite.

DIAMOND DRILL RECORD

Footage - Metres		
From	То	DESCRIPTION
55.88	72.00	WELDED CHLORITE TUFF
		Foliation is perpendicular to core axis. Extremely soft dark-
		green rock with whitish bands and pyroclasts.
		56.51 - 57.64: White and pink quartz carbonate veins. Carbonate occurs as veins up to 1cm in width and constitutes
		10% of the rock.
		The rock is non-magnetic and contains only traces of sulphides.
		Folding of the laminae is common. This high order folding
		may indicate that the major rock units are similarly folded.
		57.00 - 57.45: Possible fault zone.
		37:00 - 37:43. 10331b1e 10010 Zone.
	72.00	END OF HOLE
	72.00	LIV OF TIVES
		
	- <u></u>	
+		

Hole No. 839-24-2 Sheet No.____

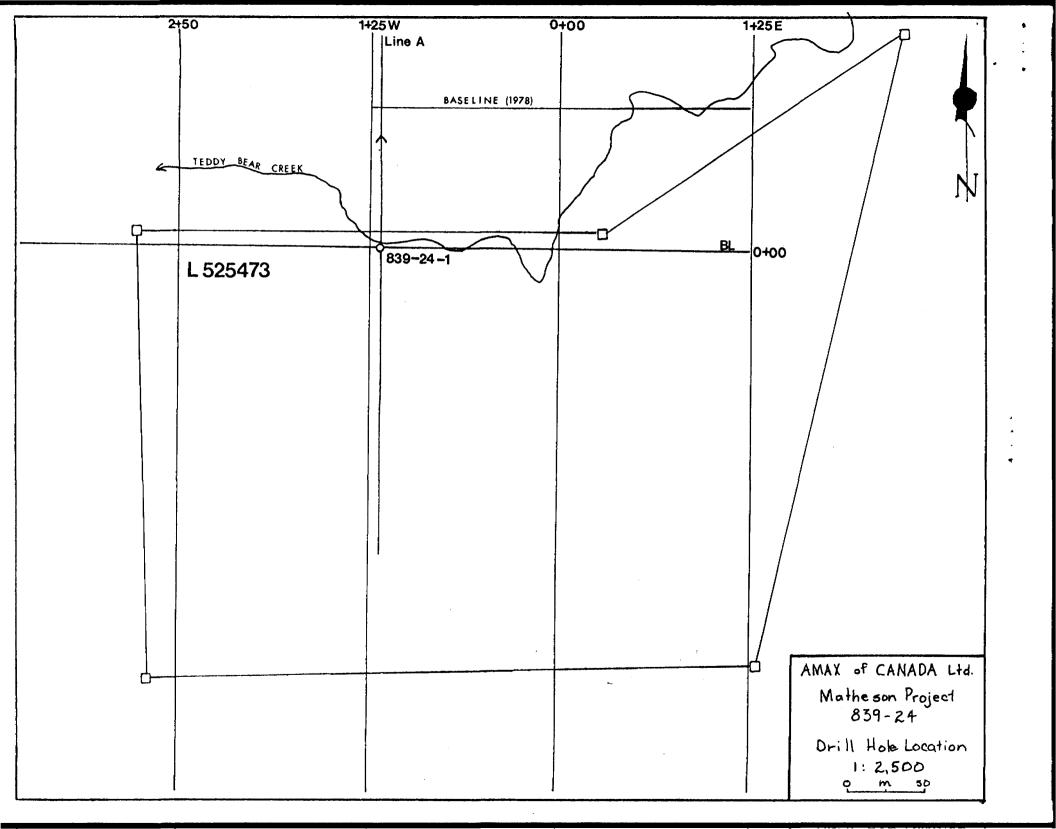
DIAMOND DRILL RECORD

Hole No. 839-24-

Hole No. 839-24-5 Sheet 1 Property Newmex Option Township Harker Location 3+75E, 7+95N Logged By Gene Kent	Length 87 metres Bearing North - True Dip 45 Objective Test chert felsite horizon on the strike extension from DDH	Commenced June 24, 1981 Completed June 26, 1981 Drilling Co. St. Lambert Core Size BQ Casing Left/ Lost in Hole None	Dip: Collar 45 ⁰ Etch Test Depth Rdg. True	Location Sketch	North Claim No. 430920
Remarks Step back (south)	hole and or stripping recommend	ed		L430420	Scale: 1:1200

Footage	/ Metres	DESCRIPTION .
From	То	DESCRIPTION .
0	3.20	OVERBURDEN
3.20	6.05	BRECCIATED BASALT (MINERALIZED)
6.05	11.50	FELDSPAR PORPHYRY (RED)
11.50	12.36	DIABASIC FLOW ROCK
12.36	37.14	BASALT
37.14	37.18	QUARTZ - CARBONATE - PYRITE VEIN
37.18	39.82	CHERT
39.82	43.38	MAFIC BRECCIA
43.38	65.68	BRECCIATED ANDESITE
65.68	69.59	TUFF AND TUFF BRECCIA
69.59	81.15	CHLORITE - CARBONATE SCHIST
81.15	87.00	ANDESITE
-	87.00	END OF HOLE





AMAX MINERALS EXPLORATION

(A Division of Amax of Canada Limited)

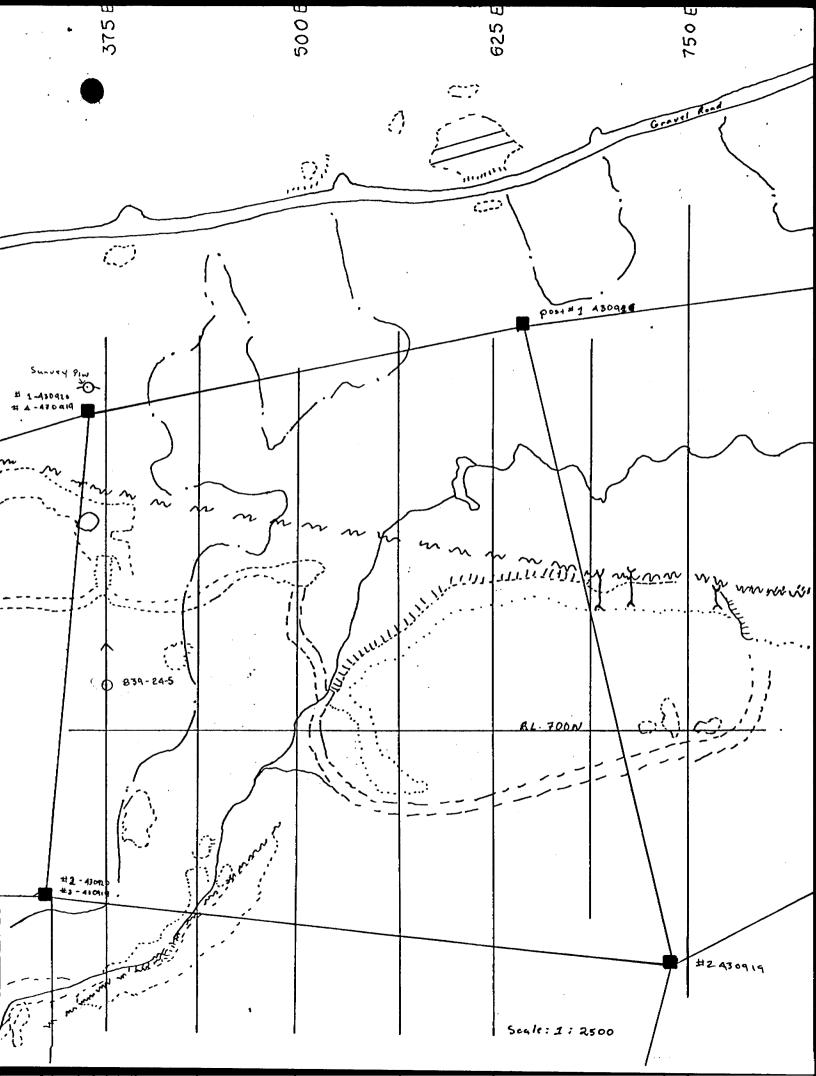
DIAMOND DRILL RECORD

Hole No. ..839-24-

Hole No. 839-24-6 Sheet 1 Property Newmex Option 839-24 Township Harker Location 1+85E 8+09N Logged By Gene Kent Core Location Perry Lake	Dip 45° Objective To t	d North test Zone A - chert	Completed Drilling Co. Core Size	August 7, 1981 August 14, 1981 St. Lambert BQ ost in Hole None	Dip: Collar Etch Test	45 Depth 102m	Rdg. 51m	True 44 ⁰	0 Cabin 839-24	North Claim No430920 Scale: 1:2500
Remarks See L187.5E Multiple chert bands in		ofile. Mineralized zo	one inter	sected 62,4 to 66.48.					8+00N	

Footage	/ Metres	DESCRIPTION	
From	То	DESCRIPTION	
0	10.24	OVERBURDEN	
10.24	11.15	RED CHERT	
11.15	40.42	BASALT	
40.42	43.32	CHLORITE TUFFITE	
43.32	62.40	ANDESITE AND INTERFLOW TUFFS	
62.40	66.48	CHERT	
66.49	91.01	BRECCIATED TUFF	
91.01	102.00	GRADATIONAL CONTACT TO CHLORITE CARBONATE SCHIST	
	102.00	END OF HOLE	

Reserved Barry.



DIAMOND DRILL RECORD

Hole No.839-24

North

Hole No. 839-24-4 Sheet I Property Newmex Option Township Harker Location 7+33E 7+80N Logged By Gene Kent Core Location Perry Lake	Length 84 metres Bearing 340 Dip 55 Objective To test felsite and fault position and mineralization	Commenced June 23, 1981 Completed June 24, 1981 Drilling Co. St. Lambert Core Size BQ Casing Left/Lost in Hole None	Dip: Collar 550 Etch Test Depth Rdg. To 5	rue 5.0
R _{emarks} Eastward extension the Imperial Fault		ble intercept of		

: D	200	\$ 14150 14154 1910 1910 1910 1910 1910 1910 1910 191	Claim No. 430918
	Щ.	 	

Location Sketch

Footage	/ Metres	DESCRIPTION	
From	То	DESCRIPTION	
0	0.75	OVERBURDEN	
0.75	14.54	PORPHYRITIC ANDESITE	
14.54	24.33	CHLORITE - CARBONATE SCHIST (TUFFITE)	!
24.33	30.28	TUFF BRECCIA	
30.28	32.26	FELDSPAR PORPHYRY	1
32.26	32.62	CHLORITE CARBONATE SCHIST	
32.62	32.77	FELDSPAR PORPHYRY	
32.77	32.81	IMPERIAL FAULT	
32.77	40.71	FAULT ZONE	
32.81	42.88	CHLORITE - CARBONATE SCHIST	
42.88	43.99	RED TUFFITE	
43.99	54.40	CHLORITE - CARBONATE SCHIST	
54.40	84.00	ANDESITE	
	84.00	END OF HOLE	
_			

DIAMOND DRILL RECORD

Hole No. 839-24-4 Sheet No.....

Footag	e - Metres	
From	To	DESCRIPTION
0	0.75	OVERBURDEN
0.75	14.54	PORPHYRITIC ANDESITE
		Massive andesitic rock gray colored and containing phenocrysts of
		feldspar up to 2cm in diameter. The Phenocryst are white and show well
		formed octahedral shape.
		Possibly spherulitic
		The unit is non magnetic and shows only traces of sulphide.
		Epidote veining is common.
		Grading into
14.54	24.33	CHLORITE - CARBONATE SCHIST (TUEFITE)
		Marker horizon in 24 -2 and 24 -3 Diamond Drill holes. Soft,
		green and white unit with 75% chlorite, 25% carbonate.
		Schistosity or lamination is at 30° to core axis, with some folding
		present.
l ————————————————————————————————————		Traces of pyrite, usually in the carbonate bands.
		Grading into
24.33	30.28	TUFF BRECCIA
	30.20	TUFF DREUGIA
		Slightly harder unit, somewhat brecciated and intercalated with
		chlorite-carbonate schist.
		Upper contact shows veins of pink carbonate, noted in previous holes.
		28.45 - 28.67 disseminated pyrite adjacent to pink carbonate 4%.
30.28	32.26	FELDSPAR PORPHYRY
		Fault Slice
		In sharp tectonic contact with surrounding units. Upper contact 45° to core axis. Lower contact at 70° to core axis.
l		Brick Red unit with tabular white to pink colored phenocrysts of
		feldspar up to 3mm in size. Minor brecciation at the upper contact
		with increasing brecciation and fracturing towards the lower contact.
32.26	32.62	CHLORITE CARBONATE SCHIST
	32.02	CHEUNITE CONDUNITE SUITS!
		As described previously upper + lower contacts at 620 to core axis.

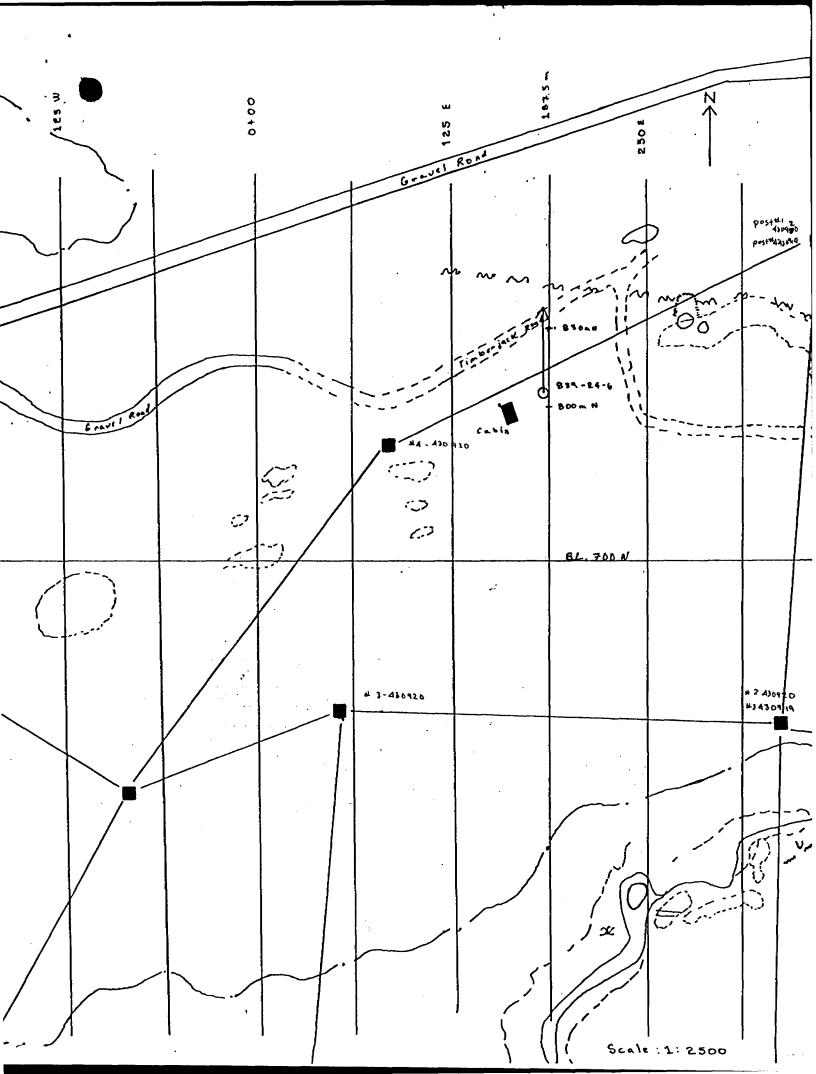
DIAMOND DRILL RECORD

Hole No. 839-24-4 Sheet No. 4

Footag	ge - Metres	
From	То	DESCRIPTION
_32.62	32.77	FELDSPAR PORPHYRY
		Brecciated and in faulted contact with underlying rocks.
	32.81	IMPERIAL FAULT
		60° to core axis - chloritic mud light green in colour.
32.77	40.71	FAULT ZONE
		Many narrow fault gouges averaging 10cm in width occur in this zone.
32.81 _	42.88	CHLORITE - CARBONATE SCHIST
		Schistosity averages 60° to core axis. Carbonate up to 30% of the rock.
		Pink-white carbonate veins are common and carry up to 2% pyrite
		over narrow widths.
42.88	43.99	RED TUFFITE
		Highly altered rock with a reddish-brown colour. Upper contact
		60° to core axis.
		Lower contact at 40° to core axis.
		Reddish lappilli of feldspar up to 2mm wide occur in a chloritic
		matrix. Pink carbonate veins the rock
		Traces of py and cp. This unit is moderately hard and slightly magnetic.
	-	This unit is moderately hard and slightly magnetic.
43.99	54.40	CHLORITE - CARBONATE SCHIST
		As described previously grades progressively into massive andesite
		bands of ankerite up to 10cm wide.
54.40	84.00	ANDESITE
		Black-green colour fine to medium grained.
		Carbonate veining decreases down in the unit, epidote veining
		increases.
		54.40 - 66.40 Fine grained with up to 5% Carbonate lensing, traces
		of cp, py highly cloritized in part.
		יי ער ארץ אין שאמייי עווי שאמייי עין ניון דיי ער אין

Hole	No	839-2	4-4	
Sheet	. No	5	-	

Footage	- Metres	
From	To	DESCRIPTION
ĺ		71.32 - 80.64 Extensive epidote and quartz carbonate lensing. Carbonate veins have deep rust colored hematite stains.
		Carbonate veins have deep rust colored hematite stains
		The host rock is slightly coarser grained and displays
		diabasic_texture.
		Spotty, weak magnetism occurs throughout the unit.
	84.00	END OF HOLE
-		
		



DIAMOND DRILL RECORD

Hole No. 839-24

Hole No. 839-24-7 Sheet 1 Property 839-24 Newmex Option Township Harker Location 4+70E 7+90N Logged By Gene Kent Core Location Perry Lake	Length 54 metres Bearing North Dip 45 Objective To test strike extension of chert + fault zone.	Commenced August 17, 1981 Completed August 19, 1981 Drilling Co. St. Lambert Core Size BQ Casing Left/Lost in Hole	Dip: Collar	Location Sketch North Claim No. 4309.19 Scale: 1:10000
Remarks				BL 780 ()

Footage/Metres		DESCRIPTION
From	То	DESCRIPTION
0	5.70	OVERBURDEN
5.70	6.43	RED TUFF
6.43	39.07	BRECCIATED CHERT AND FELSIC TUFF
39.07	45.00	CARBONATE-CHLORITE BRECCIA
45.00	54.00	CHLORITE-CARBONATE SCHIST
	54.00	END OF HOLE
		······································

Hole	No	839-24
	NT.	3

Foota	ige - Metres	
From	То	DESCRIPTION
_0	3.20	OVERBURDEN
3.20	6.05	BRECCIATED BASALT (MINERALIZED)
		Massive black-green colored rock. Hard and showing moderate to strong
	 	magnetism. White carbonate, ankerite, epidote and pyrite are observed as fracture
	-	fillings. py 1% 2% and is found essentially as vein fillings. Mineralization
		becomes weaker towards the lower contact.
		Limonite stain is also seen in fractures.
6.05	11.50	FELDSPAR PORPHYRY (RED)
	11.50	1 EEDOTAN TONETH THEO
		Red with white or pink phenocrysts of feldspar. Feldspars are square to
	ļ	tabular and constitute 20 - 30% of the rock. Pyrite is disseminated in trace
		amounts. Phenocrysts occur up to 8mm in size. An apparent intrusive rock, upper
· 		contact shows signs of chilling 34° to core axis. Lower contact 34° to core axis, sharp contact but without any apparent chilled
		margin.
		10.84 - 11.50
		Increasing hematite content and more shearing. Fractures are filled with
		chlorite or calcite.
11.50	12.36	DIABASIC FLOW ROCK
		Marrian 67 and annual files in a land display display and the files and
	ļ	Massive flow rock green-black in colour displaying pink feldspars in a diabase texture. The unit is moderately magnetic and displays sharp contacts.
		Lower contact occurs at 70° to core axis. Minor pyrite mineralization.
12.36	37.14	BASALT
		Mafic flow mock Apparitic with dark gray to black colour. Pistachio groon
		Mafic flow rock. Aphanitic with dark gray to black colour. Pistachio green epidote veins cross the rock at angles nearly perpendicular (80°) to the core axis
		Ankerite, calcite, epidote and pyrite are associated and occur in veins up to
		13cm wide (ie. 22.88 - 22.99); 5% py.
		(18.15 - 18.32) Specularite - calcite veins occur as narrow <2mm veinlets and at
		variable orientations indicating a seperate mineralising event. The rock is highly
		magnetic. Epidote pyrite veins show faint conductivity. Small graphitic lenses 18.52 - 18.57 are conductive; and carry 4 - 5% py.
		10101 are conductive, and carry 4 = 5% py.

Hole No. 8.	39-24	-5
Sheet No	4	

Foota	ge - Metres	
From	То	DESCRIPTION
		22.99 - 26.50
	1	Medium grained with less veining and brecciation - possible flow base. Pyrite
		2-3%.
		Unit shows extremely high magnetism at this point, caused by disseminated
		magnetite.
		26.50 - 28.64
		Finer grained with minor sulphides and veining.
	1	28.64 - 37.14
	ļ	Brecciated with quartz carbonate veins between fragments of mafic volcanics.
		Epidote ankerite speculanite and minor pyrite occurs in veins which make up
		5% of the rock.
		Strong magnetism_is_still_noted.
37.14	37.18	OUADTZ CARRONATE DVDITE VEIN
37.14	37.10	QUARTZ - CARBONATE - PYRITE VEIN
		25% pyrite in voin. An apparent contact accurs along the unit at 520 to
		25% pyrite in vein. An apparent contact occurs along the vein at 53 ⁰ to core axis.
		COTE UNIS.
37.18	39.82	CHERT
	03.00	O TENT
		Pale gray colored chert. The contact with overlying volcanics is altered
		with chlorite bands running at 65° to core axis.
		Disseminated pyrite occurs 3-%. Minor brecciation and quartz veining is
		seen. Moderately magnetic.
		Tuff Breccia (Acid)
		20 20 00
		39 - 39.82
		Gray-white and pink, non magnetic and very siliceous.
		Upper contact is sharp, and strikes 30° to core axis.
		Quartz and pink calcite occur as vein fillings around the fragments.
	Δ.	Disseminated pyrite occurs in chlorite fracture fillings and in quartz-
<u> </u>		
		carbonate veins, 1%.
		Contact 37° to core axis.
38.82	43.38	MAFIC BRECCIA
30.02	43.30	PMI TO DINECOTA
		Extreme brecciation with 50% clasts 50% fracture filling Traces of pyrite
		appear (<1%) in the rock, no magnetism is noted.
		Appear (1707 III one rock; no magnetism is noted.

DIAMOND DRILL RECORD

	ige - Miches	
From	То	DESCRIPTION
		The clast sizes averages 1-2cm and the rock is intermediate in composition
		with fragments of mafic and felsic rocks.
		Chlorite occurs as bands 0° - 45° to core axis and as fracture fillings.
		Brecciated areas are silicified and quite hard. Massive or less brecciated
		segments are soft and chloritic.
		The original rock may have been an andesite.
		39.82 - 43.36 50:50 clast to matrix
		39.82 - 41.48 Mafic breccia with occasional fragments of red chert. White
		carbonate - quartz veins. 4% py.
		41.48 - 42.80 Siliceous to intermediate breccia pink-white quartz-carbonate
	1	veins are up to 2cm wide. Pink carbonate also occurs as clasts.
	<u> </u>	Finely disseminated pyrite <1%.
		Contacts 46 to core axis.
	<u> </u>	42.80 - 43.38 Finely brecciated rock with quartz veins and mafic fragments.
	<u> </u>	Red cherty fragments are noted <3% of fragments average
		5 - 10%mm and 1% pyrite.
	<u> </u>	o Tomas and the pyrioc.
43.38	65.68	BRECCIATED ANDESITE
		Rock appears similar to overlying breccia unit in colour and grain size.
		Breccia accounts for less of the rock.
		Multiple flow units with distinctive flow top breccias occur with flows
		averaging 2m in width.
		Breccia tops contain quartz carbonate-pyrite is disseminated, averaging 1%
-1: -1 : -1: -1: -1: -1: -1: -1: -1: -1: -1: -1:		with breccias containing 1 - 2%.
	1.	Flow centres are massive gray-black rock with chloritic fractures and
		minor quartz-carbonate veins.
		Non magnetic.
65.68	69.59	TUFF AND TUFF BRECCIA
		Lappilli tuff containing fragments of various origins, including sulphide
		fragments.
		Lowering determined by clast orientation is 40° to core axis.
		The contact is gradational at the top.
		Fragments consists of mafic volcanics pyrite fragments and red cherty
		fragments consists of maric voicantes pyrite fragments and red cherty fragments which display magnetism, in order of abundance.
		The rock is fairly hard and contains a great deal of carbonate.
		68.05 - 68.72 Pyrite= 2 - 5%
		00.03 - 00.72 Pyrite- 2 - 3/6

Footage - Metres

DIAMOND DRILL RECORD

Footage - Metres				
From	To	DESCRIPTION		
_69.59	81.15	CHLORITE - CARBONATE SCHIST		
		Sharp contact at 85° to core axis. Schistosity averages 85° to core axis		
		with alternating green and white bands and minor folding.		
		Carbonate content decreases down the unit.		
		70.27 - 70.34 Fault-chloritic mud, see also 72.15.		
	-	68.59 - 73.65 30% carbonate		
	+	73.65 - 81.15 averages 15 - 20% carbonate grades into		
81.15	87.00	ANDESITE		
	07.00	MOCOLIC		
		Meta-andesite; chloritic with large 1 - 2mm flakes of chlorite scattered		
		through the rock. Fine to medium grained grey-green rock. Pyrite <1%, minor		
		carbonate veins.		
	87.00	END OF HOLE		
	 			
	 			
	<u> </u>			
	 			
	 			
		·		

Hole No. 839-24-5 Sheet No...

DIAMOND DRILL RECORD

Hole No. 839-24-8

837-4-8

North

Claim NoL-430920

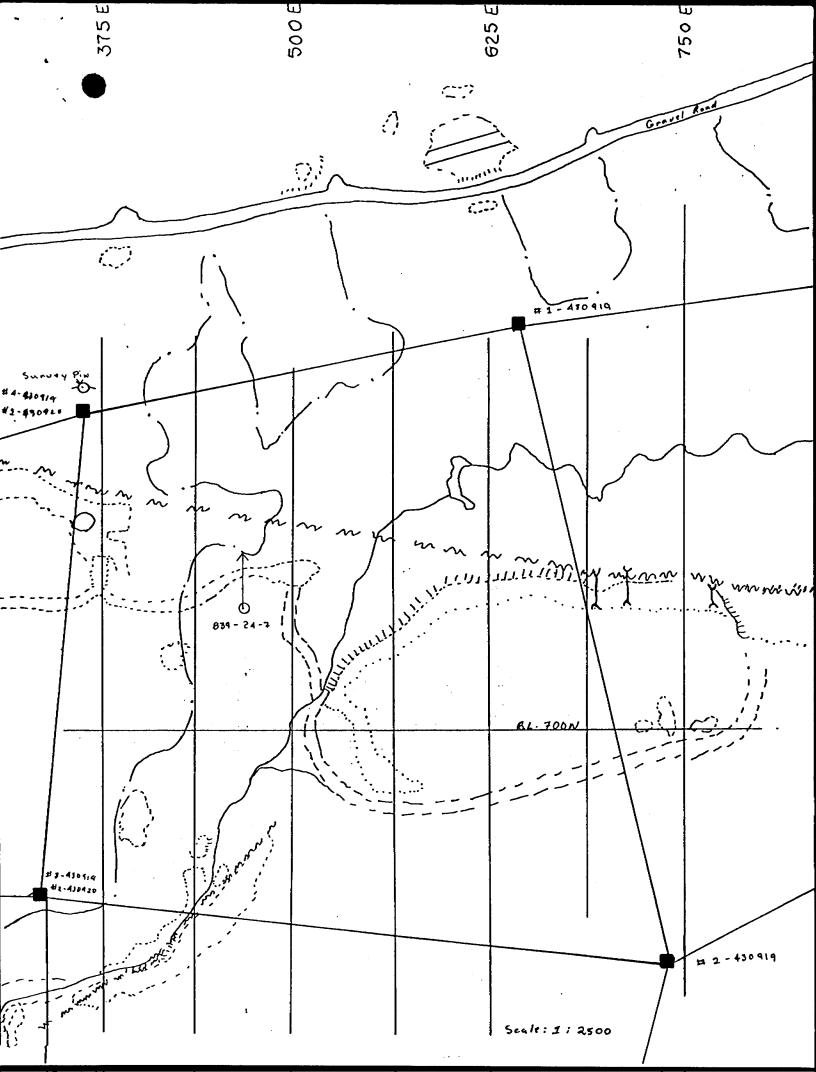
Scale: 1:10,000

Location Sketch

Hole No. DDH8 Sheet 1 Property 839-24, Newmex Township Harker Location L62.5W, 6+90N Logged By Gene Kent Core Location Perry Lake	Length 54.46 metre Bearing Grid North Dip -45 Objective To test interflow chert horizon for gold potential.	Commenced August 15, 1981 Completed August 17, 1981 Drilling Co. St. Lambert Core Size BQ Casing Left/Lost in Hole	Dip: Collar . Etch Test none	-45 Depth	Rdg.	True
Remarks The chert is mine	ralized with sulphide but lacks t					

Footag	e / Metres	DESCRIPTION	
From	То		
0	3.00	OVERBURDEN	
3.00	10.02	DIABASIC BASALT	
10.02	11.38	CHERT BRECCIA	
11.38	19.96	CHERT	
19.96	35.56	ANDESITE	
35.56	44.44	CHERT	
44.44	48.69	MAFIC LAPILLI TUFF	
48.69	54.46	BASALT/ANDESITE	
		() and	





DIAMOND DRILL RECORD

Footag	ge - Metres	DESCRIPTION
From	То	DESCRIPTION
0	10.24	OVERBUREN
		sand, clay, boulders
_10.24	11.15	RED CHERT
		Described and anti-
		Deep red aphanitic, chert, non magnetic unit with disseminated pyrite 1% or less.
		The rock is extremely hard and appears identical to cherts in DDH 2
		and 3.
		True width unknown. Lower Contact 40° to core axis.
11.15	40.42	BASALT
		Massive basalt black-green in color and highly chloritized. This
		rock is strongly magnetic.
		77.7.7.0.67
		17.7 - 17.9 Flow top ≃50° to core axis.
		9.16
		Chloritized Mafic Flow rocks (basalt)
		CHIOTICIZED MATIC TION TOCKS (DASATC)
		Large blades of chlorite are seen in the core at random orientations.
		The rock is gray-green. 21.46 - 21.60 vesicular flow top with quartz-
		feldspar fillings
		The flows are highly magnetic except along their margins.
		Carbonate-pyrite veins cross the rock at random orientations. The
		veins are narrow (<5mm) and widely spaced.
		29.9 - 30.10
		Fault
		Core is broken up and weathered.
		30 0 onidate alteration
		38.8 - 39.0 epidote alteration
		37.00 - 40.42 Basalt is more massive, it lacks the chlorite alteration,
		and appears to be amphibolitized.
		Fault 40.42 200 to core axis.
		rudic 40.42 20 to core axis.
-		
	j	

Hole No. 839-24-6 Sheet No...

DIAMOND DRILL RECORD

Footage - Metres		
From	To	DESCRIPTION
40.42	43.32	
		tectonic slice> or alteration unit associated with faulting. Medium
		green color fairly soft. The rock is vesicular, containing minute <⅓mm
		inclusions aligned at 32° to core axis.
		The rock contains breccia fillings of quartz.
	1	
		42.75 - 43.32 Chlorite - quartz breccia
	 	43.32 Fault:
43.32	62.40	ANDESITE AND INTERFLOW TUFFS
		Light grey colored rock with minor carbonate veining and disseminated
	ļ	pyrite. Inclusions up to 5cm long are orientated at 15° to core axis.
		Bands and fracture fillings of chlorite are common, and form ≃10% of
		the rock.
		CO CO F1 26 Tuff with lamilia sized foregreents and musical 2 This is
	<u> </u>	50.60 - 51.26 Tuff with lapilli sized fragments and pyrite 2 - 5% in a carbonate matrix.
	ļ	Fragments aligned at 40° to core axis.
	ļ	50.80 - 51.00 15% pyrite.
<u> </u>		53.30 - 54.10 5% disseminated pyrite
		53.30 - 53.50 possible fault
	 	33.30 - 33.30 possible rault
···		59.45 - 62.4 Layered tuff
		Finely laminated tuff with alternate mafic and felsic laminae.
		Foliation and contact orientations are 45 - 50° to core axis.
		Fragments are lapilli sized and range up to 5cm. The unit is
		weakly magnetic. Pyrite is finely disseminated 1 - 2%. The rock is
		highly carbonatized and many of the light colored laminae are carbonate.
		The rock grades into a fragmental tuff towards the base:
		Younging to the top of the hole i.e. south.
		Lower contact at 25° to core axis.
	_	Start mineralized zone
62,40	66.4	CHERT
		Pinkish grey to red in color. This rock is extremely hard and
		has been extensively brecciated and fractured. Pyrite occurs 5 - 10%
		as fracture fillings and disseminations.

Hole No. 839-24-Sheet No....

DIAMOND DRILL RECORD

Foota	ge - Metres	
From	To	DESCRIPTION
		Variation in core angle indicates folding.
		63.00 - 64.60 highly shattered, 10% pyrite
		Abundant carbonate
		Abundant Carbonate.
66.49	91.01	BRECCIATED_TUFF
		Layered tuff grading from felsic at the top to mafic at the base.
	<u> </u>	Upper contact is sharp at 60° to core axis. Lower contact is gradational.
		Lapilli fragments of carbonate and feldspars and set in a grey colored
		matrix. The rock is hard and moderately to strongly magnetic. Sulphides
	 	are pyrite and pyrrhotite.
		66.49 - 67.32 cut by quartz + pink calcite 5% sulphides py, po.
		Lapilli orientated 45° to core axis.
		67.90 - 70.40 intermediate to mafic tuff cut by quartz carbonate veins
		and stringers of pyrrhotite + pyrite 3-5%.
		72.35 - 73.28 Quartz-carbonate breccia. Fragments of red chert and
		mafic rock in quartz-carbonate matrix disseminated pyrite
		+ pyrrhotite 5-10% and in sulphide laminae. Finely
		brecciated.
		The core is faintly conductive across the width but
		non conductive along core axis.
		74.00 - 75.28 Coarsely brecciated with mafic fragments up to 5cm.
		Sulphides are 1-2% in disseminations and narrow stringer
		veins
		76.69 - 76.91 Brecciated + quartz veined 10% py
		81.62 - 83.62 Intermediate lapilli tuff.
		Finely disseminated pyrite
		2-3% felspar lapilli in a chloritic matrix. Carbonate
		veining + fragments.
		Foliation 50° to core axis.
		85.62 - 86.60 Finely brecciated tuff, splotches of pyrite in quartz-
		carbonate matrix material. Highly siliceous tuff 2% pyrite
		88.65 - 89.40 Lapilli tuff with disseminated pyrite 2-3%. Non magnetic.
		Fragments 55° to core axis.
1		

Hole No. 839-24-6 Sheet No.....

DIAMOND DRILL RECORD

Hole No. 839-24-6 Sheet No.

Foota	ge - Metres		
From	To	DESCRIPTION	L.A
91.01		GRADATIONAL CONTACT TO CHLORITE CARBONATE SCHIST	_
		Unit above coarsens with carbonate clasts up to 6cm. Clasts are stretched in the plane of foliation and shearing. Grades into a schist with alternate carbonate and chlorite bands. A distinctive unit easily used as a marker in previous drill holes. The rock is extremely soft and carries traces of pyrite. Fault 92.40 - 92.48 chlorite mud Imperial fault 62 to core axis. 95.83 - 96.20 chlorite mud	
		Carbonate constitutes 20% of the unit, decreasing down the hole.	<u> </u>
	102.00	END OF HOLE	
			_
			\exists
			_
			_
	-	·	
			i

Hole :	No. 8	39-24	-7_	·
Sheet	No	3		

Footag	e - Metres	
From	То	DESCRIPTION
_0	5.70	OVERBURDEN
		clay + boulder
5.70	6.43	RED TUFF
		Siliceous brick red tuff: this unit : 17
		Siliçeous, brick red tuff; this unit is weakly magnetic and extremely hard. (6). Layering is at 30 to core axis.
_		The rock has been highly shattered and many narrow (1mm) quartz veins
		are present both in the foliation plane and cross cutting it.
		The rock appears to be in fault contact with underlying units, as
_		suggested by a zone of broken and weathered rock at 6.38 - 6.48 metres.
		6.07 - 6.44 ≤5% pyrite finely disseminated.
6.43	39.07	BRECCIATED CHERT AND FELSIC TUFF
		· ·
		Upper contact-broken
		Lower contact-sharp at 55° to core axis.
		Brick red to grey in color with ubiquitous shattering and quartz
		veining in the rock.
		The rock is very hard with a great deal of free quartz. A distinct
		foliation due to fragment orientation or lamination is prominent. This
		foliation varies down the section from 35 to core axis near the top (10.5m)
		to 10° to core axis at 30.4m. Folding is thus indicated.
		The rock varies from intermediate to felsic in composition, and carries up to 10% sulphide in breccia sections. Fragments of red chert
		are the most common type in the breccia.
	<u> </u>	Mafic fragments have been altered to chlorite and many blasts
		of chlorite are seen growing within the foliation planes.
		The unit is non-magnetic over most of its length, however the
		more mafic and intermediate sections show weak magnetism, and an
		occasional *lithic fragment shows magnetism (*Iron Formation).
		Ouartz veins are narrow, but have a great density: ~5/1cm.
		Microfaulting is evident in the offset of these veins
		microrauting is evident in the oriset or these verils
		6.56 - 9.08 red tuff breccia, siliceous with 2-5% finely disseminated
		pyrite contact or foliation at 350 to core axis.
		9.08 - 16.42 red tuff breccia, as above 1-2% pyrite lower contact at 55° to
		core axis.

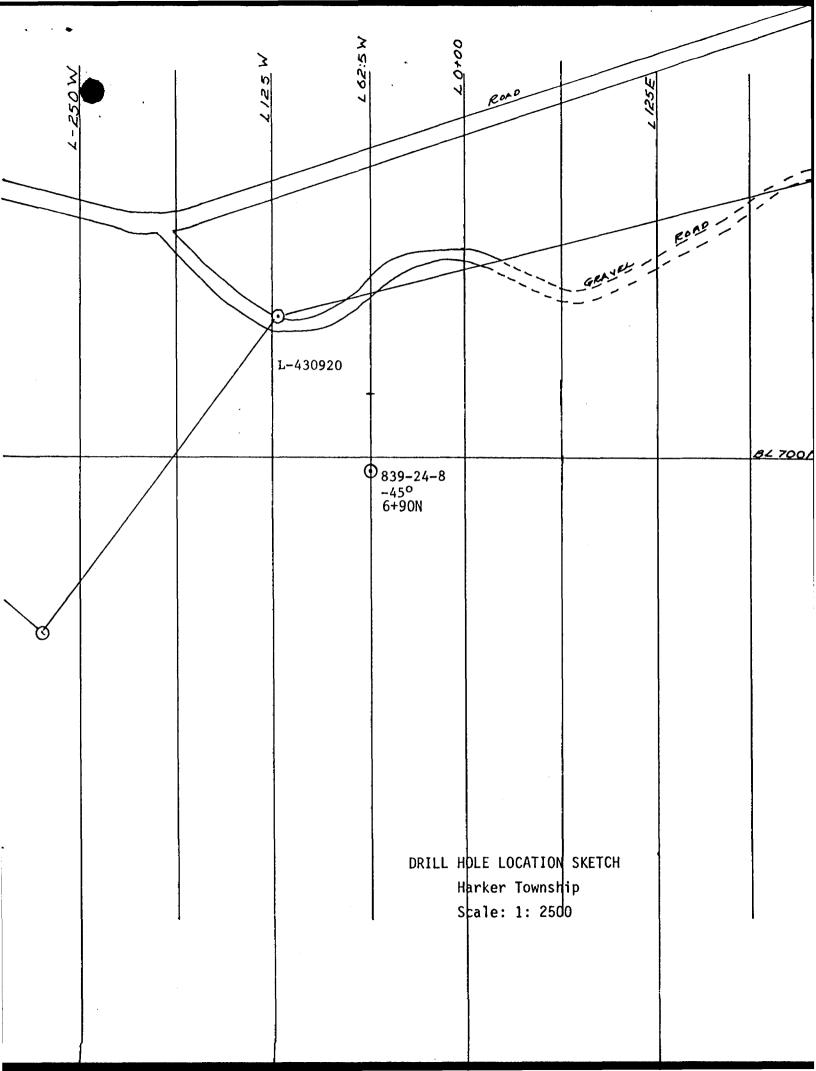
Hole No. 839-24-7	
Sheet NoA	

Footage	- Metres		
From To			DESCRIPTION
		16.42 - 18.82	Intermediate tuff felsic section. Grey color, pyrite ≤1%.
		18.82 - 26.05	Brick red chert, brecciated in part, with magnetite - quartz stringer veins. Large fragment of dark intermediate rock at 24.88 - 25.26. Irregular contact with alteration along the rim. pyrite <1%
		26,05 - 26,66	Mafic/Intermediate tuff Lapilli tuff containing fragments up to 5mm in size. Traces of pyrite are present.
		26.66 - 30.09	Red tuff - breccia Siliceous tuff hard and showing erratic magnetism. Pyrite ≃1%
		30.09 - 30.89	Intermediate lapilli tuff Lapilli average 10-15mm in size and are elongate. Alignment at 10° to core axis. Contacts are brecciated and contain chert fragments in a sulphide matrix 80° to core axis. Pyrite ~1-2%
		30.89 - 39.07	Brecciated tuff Polymictic tuff containing fragments of many rock types. Mafic fragments are highly magnetic and occur up to 5cm in size. Sulphides are locally up to 5% in small breccia
		zones. ie =	30.12 - 30.16 32.76 - 33.00 34.32 - 34.57
		37.20 - 37.61;	4-5% disseminated pyrite in quartz-carbonate veins. Finely brecciated rock showing extreme carbonatization
		37.61 - 39.07	1-2% pyrite Contacts at 55° to core axis.

DIAMOND DRILL RECORD

Footage - Metres		
From	То	DESCRIPTION
_39.07	45.00	CARBONATE - CHLORITE BRECCIA
		Fragments of carbonate 1-5cm is size in a chlorite matrix. Cb:Cl = 2:3
	ļ	Fragments become stretched and gradually the unit becomes banded.
		Disseminated pyrite <1%.
45.00	54.00	CHI ODITE CADDONATE COLLET
45.00	34.00	CHLORITE - CARBONATE SCHIST
		As described in previous drill holes.
		Alternate bands of chlorite and carbonate.
		A very soft non magnetic rock. Foliation is at 55-60 to core axis.
		Small scale Folding is apparent in the carbonate layers
		Fold axis are at 90° to core axis.
·		40.05 40.11 5-11 4
		48.05 - 48.11 Fault - trace of the Imperial Fault. Gouge contains chlorite
	54.00	mud.
	54.00	END OF HOLE
	-	
		·
	L	·

Hole No.839-24-7 Sheet No.___



Hole No8	39-24-8	}	
Sheet No			_

Foota	ge - Metres					
From	То	DESCRIPTION				
_0	3.00	OVERBURDEN				
		sand + boulders				
3.00	10.02	DIABASIC BASALT				
	ļ <u> </u>					
		Coarse grained and strongly magnetic unit with grey-green mottled				
	 	colour. The rock contains disseminated pyrite with concentrations on				
		chlorite filled fractures.				
		The unit is chilled towards the base. Sulphide content increases				
		towards the contact. Strongly magnetic rock representing the peak				
		seen on L62W magnetic profile.				
10.02	11.38	CHERT BRECCIA				
		Contact business with annual contact about at 940				
		Contact breccia with upper contact sharp at 84°. Quartz carbonate				
		and pyrite occur as breccia fillings, with pyrite averaging 5-10% over				
	<u> </u>	the length. The rock is light grey, with an occasional pink tinge.				
		The rock is extremely hard and is non-magnetic.				
		10.85 - 11.10 - Visible gold - coated on pyrite surface along with				
		pyrite oxide. Vuggy quartz vein material with 10-15%				
		pyrite.				
11.38	19.96	CHERT				
		The upper contact is gradational and the lower contact is sharp at				
		37° to core axis.				
	-	Aphanitic rock, extremely hard and non magnetic.				
		The rock is brecciated and gash veined in part. Brecciated sections				
		contain up to 3% pyrite. Quartz and carbonate are the vein fillings.				
		Foliation (laminae) occur at 45° to core axis.				
		11.38 - 12.63 brecciated				
		18.38 - 19.96 brecciated				
19.96	35.56	ANDESITE				
		Medium grey, fine grained rock. This rock is weakly magnetic and				
		becomes fine grained towards the margins.				

DIAMOND DRILL RECORD

Footas	ze - Metres	
From	То	DESCRIPTION
		The lower contact is at 35 ⁰ to core axis.
		Veining is uncommon but narrow quartz - carbonate sphalerite veins
		are seen. Disseminated pyrite occurs in trace amounts.
35. 56	44.44	CHERT
<u> </u>	17.33	MILLIX
		Grey to pink in colour, extremely hard and non-magnetic. Fractured
		sections contain disseminated pyrite <1%. Fractures are chlorite coated.
		Bending occurs in the rock at 45-50° to core axis. Lower contact
		sections contain disseminated pyrite <1%. Fractures are chlorite coated. Bending occurs in the rock at 45-50° to core axis. Lower contact at 35° to core axis.
44.44	48.69	MAFIC LAPILLI TUFF
		Grey coloured rock with small lapilli of feldspar or other leucocra- tic minerals. Foliation is at 35° to core axis. The rock is extremely
		tic minerals. Foliation is at 35° to core axis. The rock is extremely
		hard (6 - 6.5). This unit does not appear to be mineralized. The lower contact is brecciated and at 65° to core axis. Chlorite pyrite
		lower contact is precciated and at 65 to core axis. Unforte pyrite
		and carbonate occur on the contact in 1cm wide margin.
48.69	54.46	BASALT/ANDESITE
		Fine to medium grained grey - black rock chilled at the top and
		becoming progressively coarser grained. The rock contains prismatic
		crystals of amphibole or pyroxene.
		Weak magnetism is noted in the rock.
	54.46	END OF HOLE

Hole No.839-24-8

Sheet No. 3